

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064156.D
 Acq On : 08 Nov 2019 14:35
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Nov 08 16:21:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	11/13/2019 11:06:43 AM
1) Pentafluorobenzene	7.98	168	853450	50.00	ug/l	0.00	
34) 1,4-Difluorobenzene	8.87	114	1225157	50.00	ug/l	0.00	
63) Chlorobenzene-d5	11.65	117	1068093	50.00	ug/l	0.00	
72) 1,4-Dichlorobenzene-d4	13.58	152	516214	50.00	ug/l	0.00	

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	151902	21.97	ug/l	0.00
Spiked Amount			Recovery	=	43.94%	
35) Dibromofluoromethane	7.92	113	146168	19.47	ug/l	0.00
Spiked Amount			Recovery	=	38.94%	
50) Toluene-d8	10.34	98	548217	18.36	ug/l	0.00
Spiked Amount			Recovery	=	36.72%	
62) 4-Bromofluorobenzene	12.64	95	186866	18.88	ug/l	0.00
Spiked Amount			Recovery	=	37.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	136080	16.022	ug/l	96
3) Chloromethane	2.21	50	162577	12.084	ug/l	97
4) Vinyl Chloride	2.35	62	162714	11.198	ug/l	98
5) Bromomethane	2.76	94	103121	10.972	ug/l	98
6) Chloroethane	2.92	64	106745	11.778	ug/l	99
7) Trichlorofluoromethane	3.27	101	263978	12.985	ug/l	99
8) Diethyl Ether	3.71	74	79053	20.838	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	149511	19.171	ug/l	98
10) Methyl Iodide	4.30	142	144701	15.279	ug/l	98
11) Tert butyl alcohol	5.25	59	50014m	129.988	ug/l	
12) 1,1-Dichloroethene	4.06	96	144709	19.469	ug/l	92
13) Acrolein	3.93	56	38289	86.645	ug/l	96
14) Allyl chloride	4.71	41	258010	27.361	ug/l	97
15) Acrylonitrile	5.43	53	172126	121.158	ug/l	98
16) Acetone	4.17	43	162782	120.919	ug/l	98
17) Carbon Disulfide	4.40	76	453745	19.849	ug/l	100
18) Methyl Acetate	4.73	43	97107	26.645	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	364833	23.540	ug/l	98
20) Methylene Chloride	4.96	84	178371	19.422	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	164677	19.774	ug/l	95
22) Diisopropyl ether	6.37	45	495004	24.722	ug/l	99
23) Vinyl Acetate	6.31	43	1418285	128.759	ug/l	99
24) 1,1-Dichloroethane	6.27	63	283323	21.504	ug/l	99
25) 2-Butanone	7.22	43	231091	125.052	ug/l	96
26) 2,2-Dichloropropane	7.21	77	276635	22.023	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	183424	19.832	ug/l	98
28) Bromochloromethane	7.55	49	84161	17.763	ug/l	97
29) Tetrahydrofuran	7.57	42	141621	130.268	ug/l	98
30) Chloroform	7.71	83	292945	19.759	ug/l	100
31) Cyclohexane	7.98	56	266715	20.680	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	272330	19.696	ug/l	99
36) 1,1-Dichloropropene	8.11	75	226025	19.570	ug/l	100
37) Ethyl Acetate	7.30	43	104625	28.054	ug/l	99
38) Carbon Tetrachloride	8.10	117	238826	19.113	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	11/13/2019 11:06:43 AM
39) Methylcyclohexane	9.36	83	271447	19.343	ug/l	98	
40) Benzene	8.36	78	630396	20.114	ug/l	97	
41) Methacrylonitrile	7.54	41	67372	30.162	ug/l	97	
42) 1,2-Dichloroethane	8.43	62	198350	23.567	ug/l	98	
43) Isopropyl Acetate	8.46	43	208005	27.303	ug/l	99	
44) Trichloroethene	9.11	130	184873	19.554	ug/l	99	
45) 1,2-Dichloropropane	9.39	63	155323	21.162	ug/l	96	
46) Dibromomethane	9.48	93	84690	19.655	ug/l	98	
47) Bromodichloromethane	9.67	83	223213	20.352	ug/l	97	
48) Methyl methacrylate	9.46	41	101246	28.637	ug/l	97	
49) 1,4-Dioxane	9.47	88	20895	429.480	ug/l	91	
51) 4-Methyl-2-Pentanone	10.23	43	514585	128.557	ug/l	100	
52) Toluene	10.40	92	409903	18.940	ug/l	99	
53) t-1,3-Dichloropropene	10.63	75	224218	21.733	ug/l	99	
54) cis-1,3-Dichloropropene	10.09	75	262313	21.544	ug/l	97	
55) 1,1,2-Trichloroethane	10.80	97	114726	18.948	ug/l	98	
56) Ethyl methacrylate	10.66	69	162272	23.782	ug/l	99	
57) 1,3-Dichloropropane	10.95	76	201901	19.988	ug/l	99	
58) 2-Chloroethyl Vinyl ether	9.94	63	328057	117.731	ug/l	99	
59) 2-Hexanone	10.99	43	355468	125.344	ug/l	99	
60) Dibromochloromethane	11.14	129	156356	18.980	ug/l	99	
61) 1,2-Dibromoethane	11.25	107	114357	18.944	ug/l	100	
64) Tetrachloroethene	10.88	164	162818	20.834	ug/l	97	
65) Chlorobenzene	11.67	112	439505	19.920	ug/l	100	
66) 1,1,1,2-Tetrachloroethane	11.74	131	165613	19.985	ug/l	99	
67) Ethyl Benzene	11.75	91	785554	19.959	ug/l	99	
68) m/p-Xylenes	11.86	106	598665	38.157	ug/l	100	
69) o-Xylene	12.18	106	275508	19.211	ug/l	99	
70) Styrene	12.20	104	494719	20.048	ug/l	99	
71) Bromoform	12.36	173	96886	21.635	ug/l	98	#
73) Isopropylbenzene	12.48	105	754088	20.647	ug/l	99	
74) N-amyl acetate	12.29	43	190749	29.482	ug/l	99	
75) 1,1,2,2-Tetrachloroethane	12.74	83	124174	21.689	ug/l	99	
76) 1,2,3-Trichloropropane	12.79	75	96211m	26.886	ug/l		
77) Bromobenzene	12.76	156	184841	20.887	ug/l	96	
78) n-propylbenzene	12.83	91	854308	20.038	ug/l	98	
79) 2-Chlorotoluene	12.91	91	489990	21.219	ug/l	100	
80) 1,3,5-Trimethylbenzene	12.96	105	624021	20.547	ug/l	100	
81) trans-1,4-Dichloro-2-buten	12.53	75	43328	24.433	ug/l	100	
82) 4-Chlorotoluene	13.01	91	511392	20.883	ug/l	100	
83) tert-Butylbenzene	13.23	119	541772	19.913	ug/l	100	
84) 1,2,4-Trimethylbenzene	13.27	105	617158	20.279	ug/l	99	
85) sec-Butylbenzene	13.41	105	727257	19.594	ug/l	99	
86) p-Isopropyltoluene	13.52	119	690844	19.826	ug/l	99	
87) 1,3-Dichlorobenzene	13.52	146	342137	19.684	ug/l	100	
88) 1,4-Dichlorobenzene	13.60	146	333106	19.335	ug/l	98	
89) n-Butylbenzene	13.85	91	625069	19.491	ug/l	100	
90) Hexachloroethane	14.12	117	128679	19.631	ug/l	98	
91) 1,2-Dichlorobenzene	13.90	146	292469	19.538	ug/l	99	
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22402	25.908	ug/l	97	

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Manual Integrations
APPROVED

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Quant Time: Nov 08 16:21:18 2019
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Quant Title : SW846 8260
QLast Update : Fri Nov 08 15:32:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	11/13/2019 11:06:43 AM
93) 1,2,4-Trichlorobenzene	15.17	180	227117	20.880	ug/l	99	
94) Hexachlorobutadiene	15.27	225	140011	21.650	ug/l	99	
95) Naphthalene	15.41	128	386566	21.869	ug/l	99	
96) 1,2,3-Trichlorobenzene	15.60	180	190856	20.212	ug/l	99	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

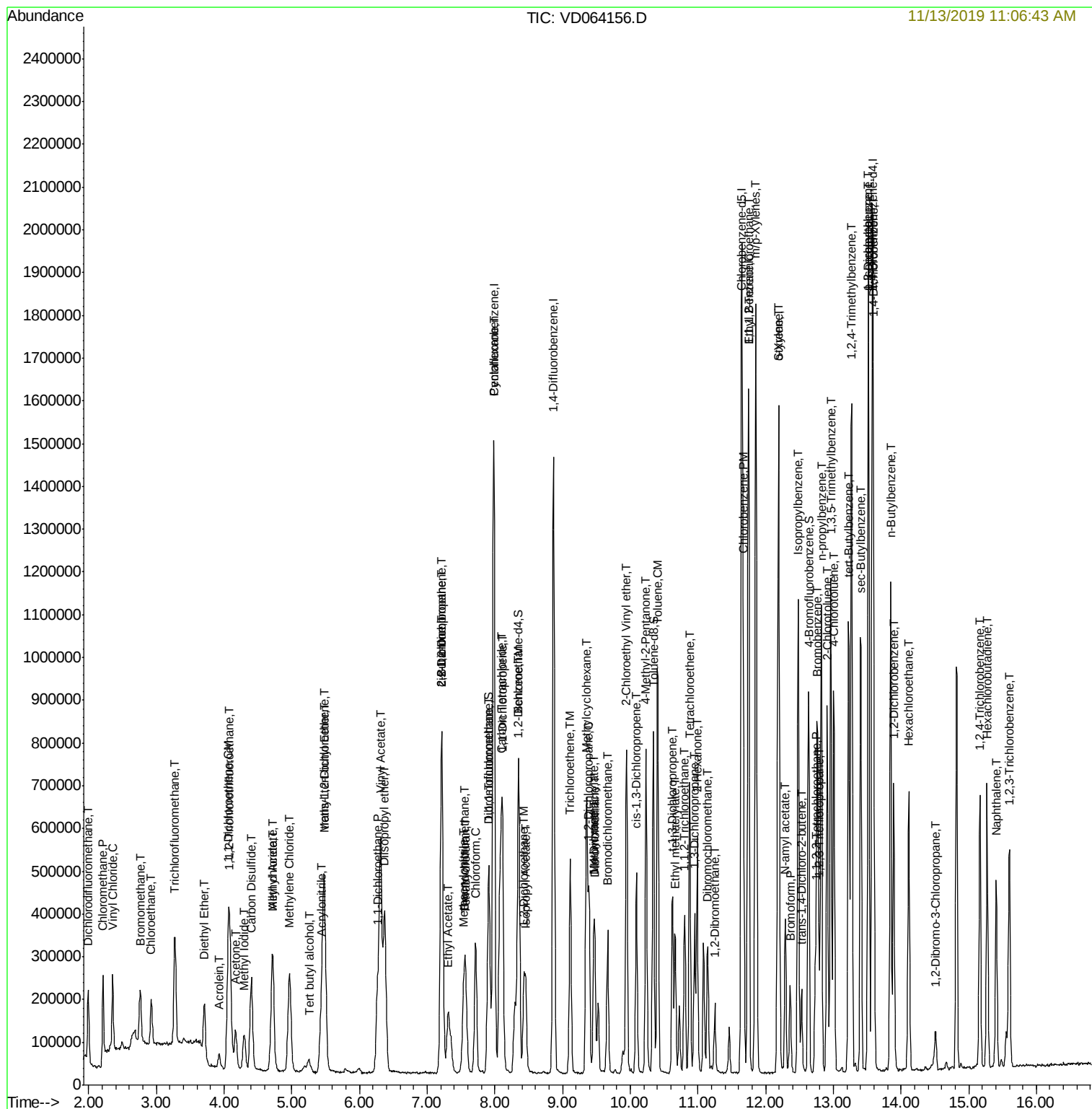
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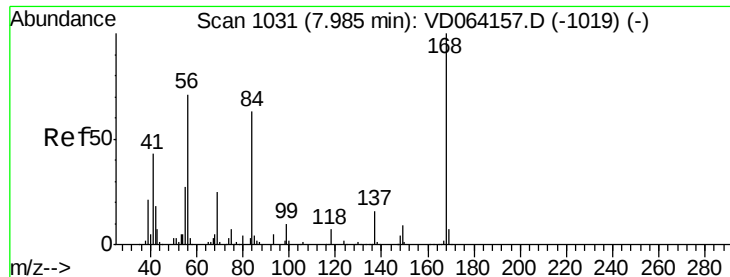
Instrument :
 MSVOA_D
 ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 853450

Ion Ratio Lower Upper

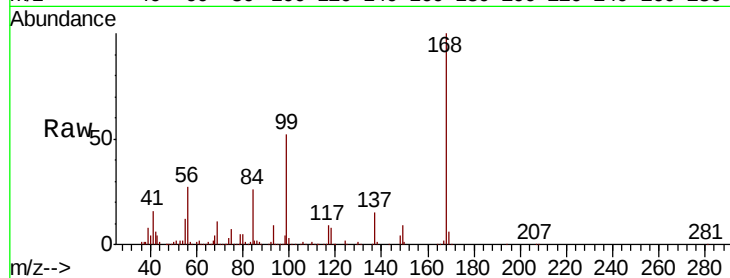
168 100

99 51.3 41.6 62.4

Manual Integrations

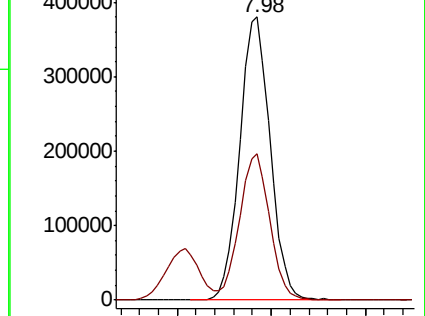
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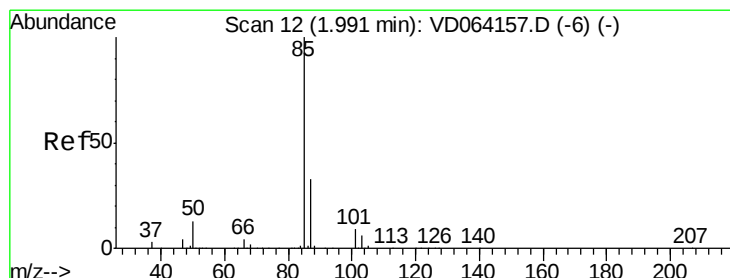
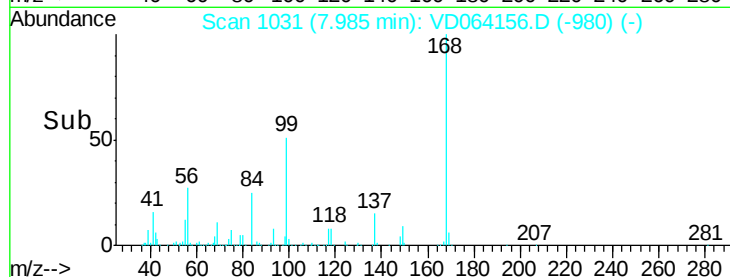


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



11/13/2019 11:06:43 AM



#2

Dichlorodifluoromethane

Concen: 16.022 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064156.D

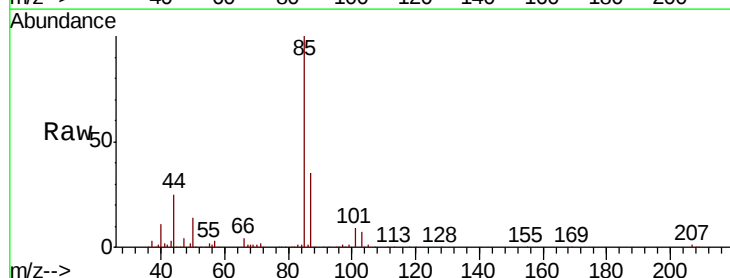
Acq: 08 Nov 2019 14:35

Tgt Ion: 85 Resp: 136080

Ion Ratio Lower Upper

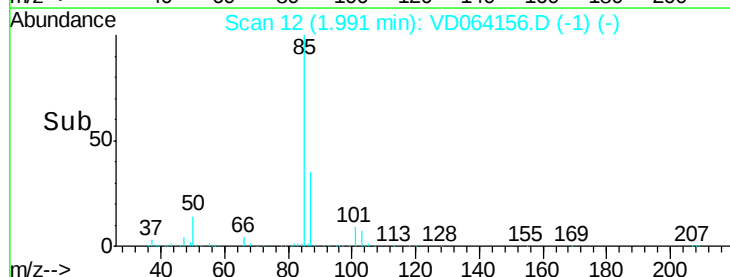
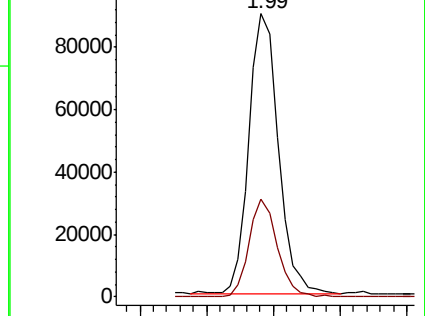
85 100

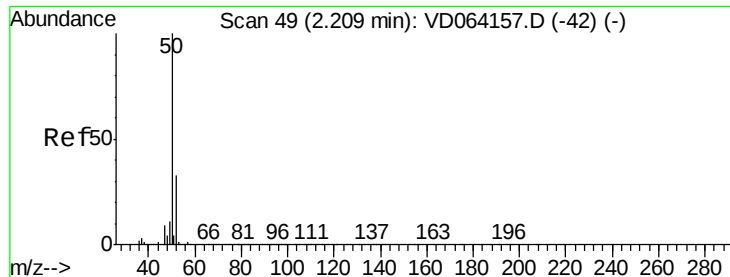
87 35.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 12.084 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 162577

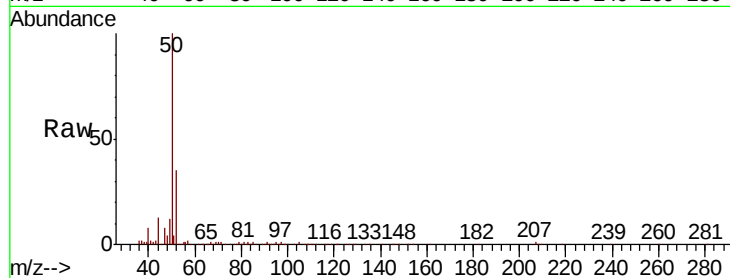
Ion Ratio Lower Upper

50 100

52 34.4 26.2 39.4

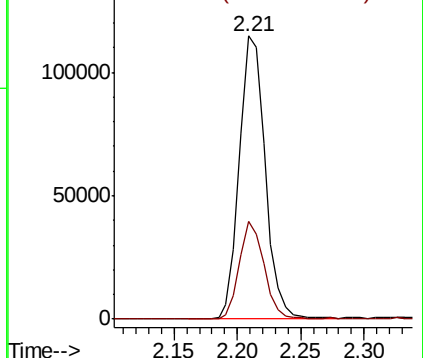
Manual Integrations
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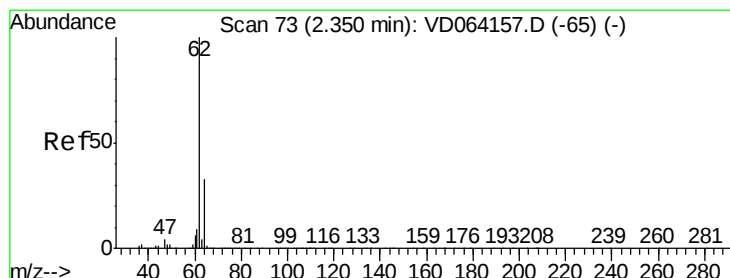
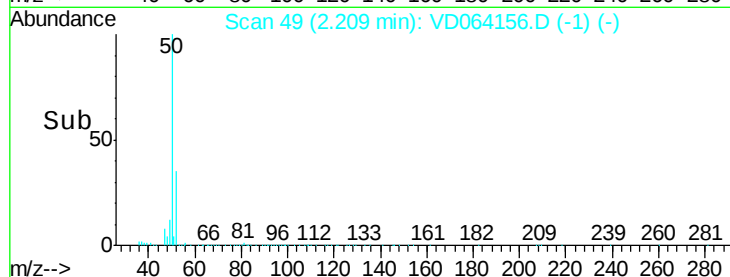


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



11/13/2019 11:06:43 AM



#4

Vinyl Chloride

Concen: 11.198 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064156.D

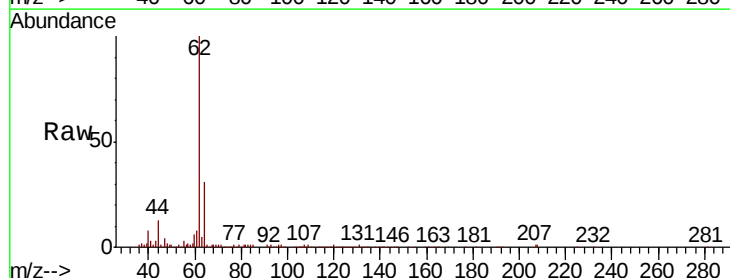
Acq: 08 Nov 2019 14:35

Tgt Ion: 62 Resp: 162714

Ion Ratio Lower Upper

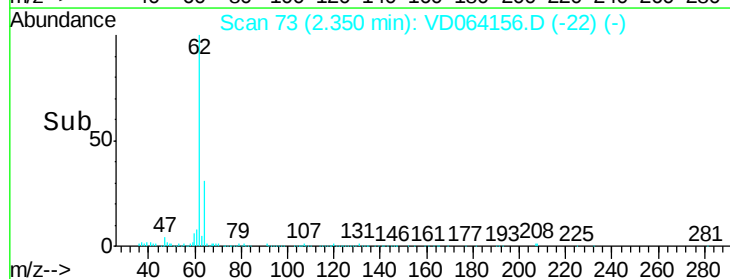
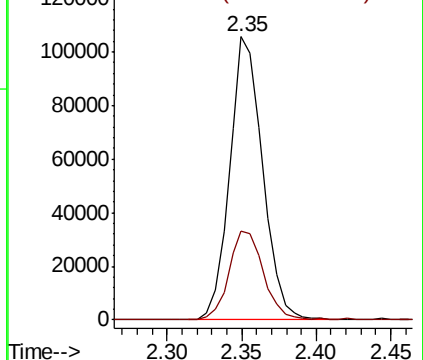
62 100

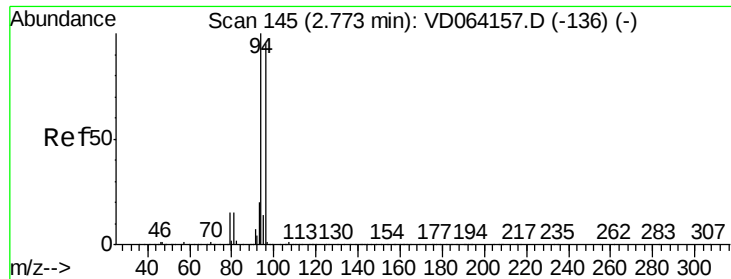
64 31.4 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 10.972 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

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Tot Ion: 94 Resp: 103121

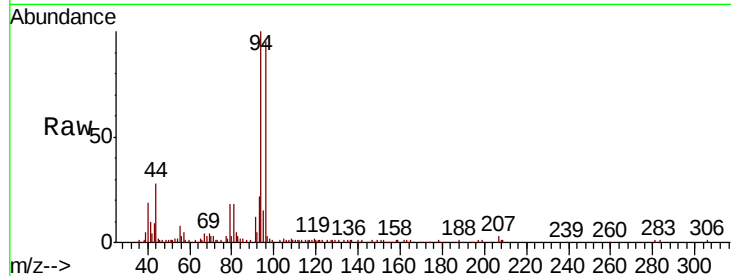
Ion Ratio Lower Upper

94 100

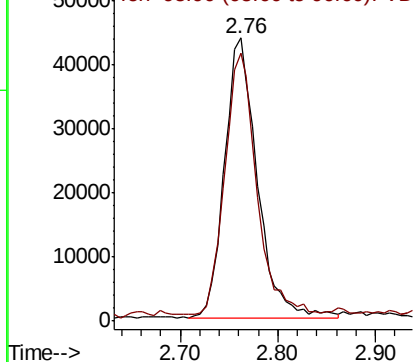
96 93.2 76.2 114.4

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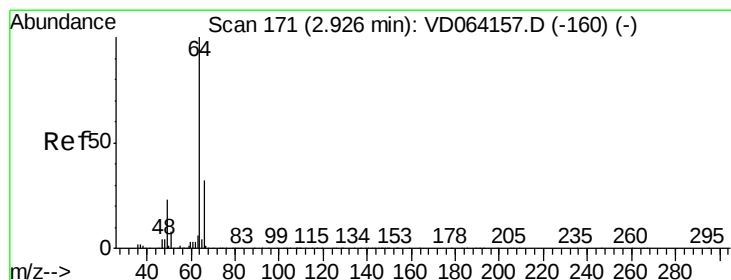
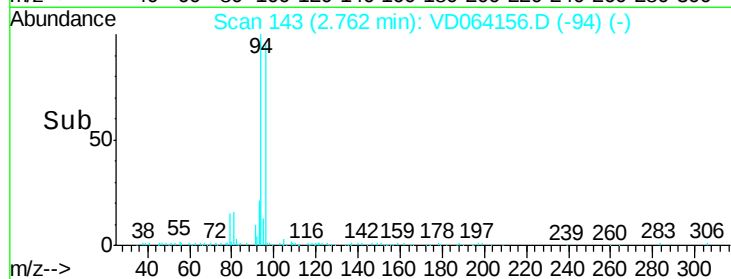
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Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



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#6

Chloroethane

Concen: 11.778 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064156.D

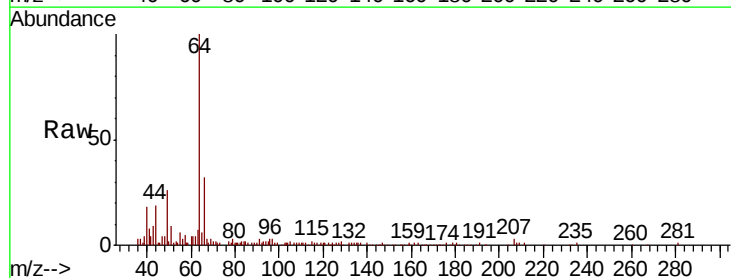
Acq: 08 Nov 2019 14:35

Tgt Ion: 64 Resp: 106745

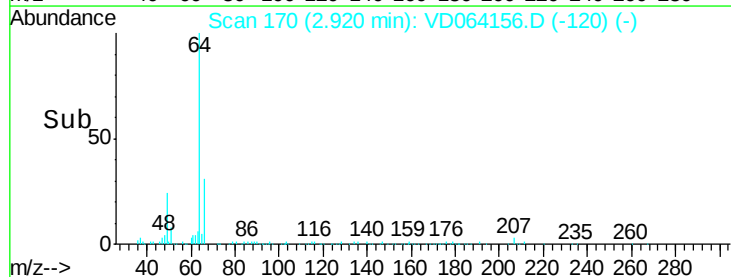
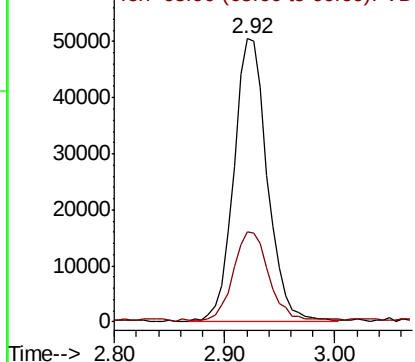
Ion Ratio Lower Upper

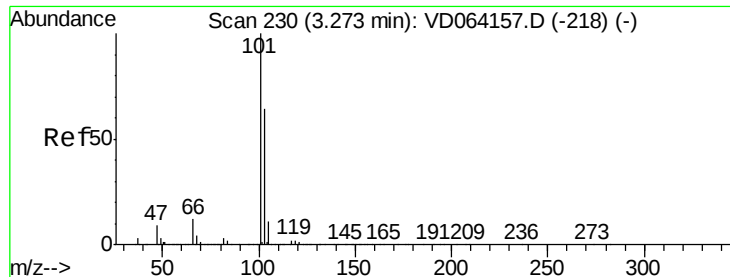
64 100

66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

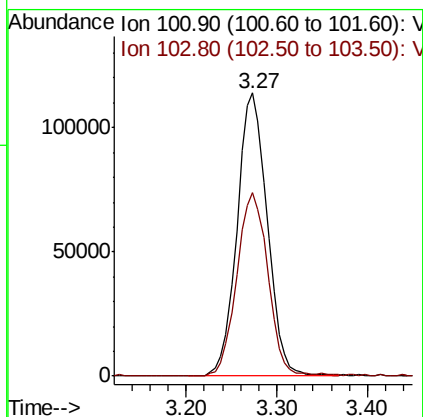
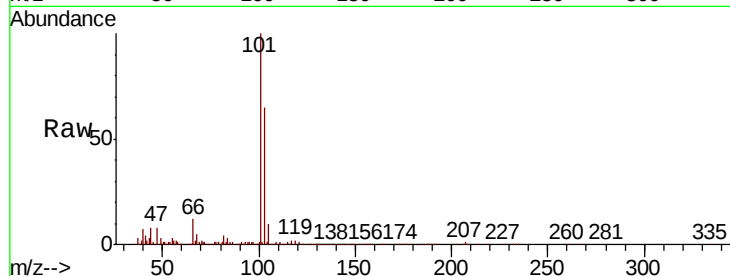
Trichlorofluoromethane
Concen: 12.985 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

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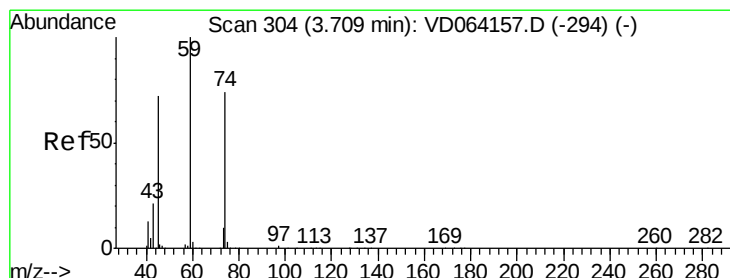
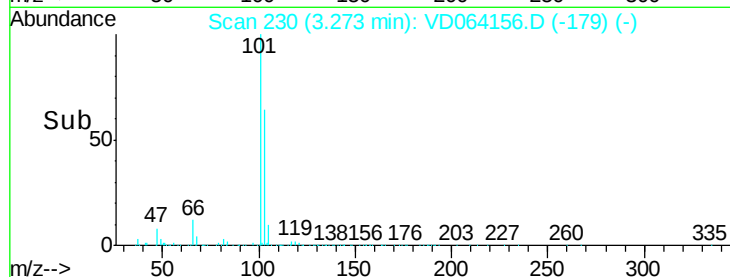
Tot Ion	Ratio	Resp	Lower	Upper
101	100	263978		
103	64.4	50.8	76.2	

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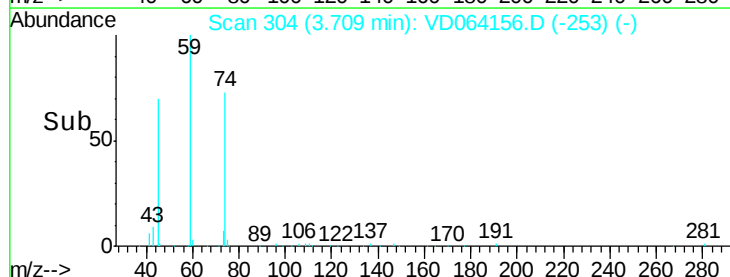
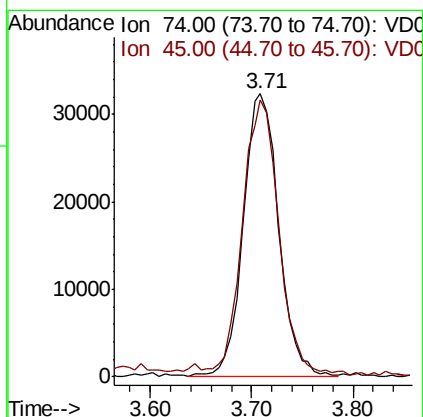
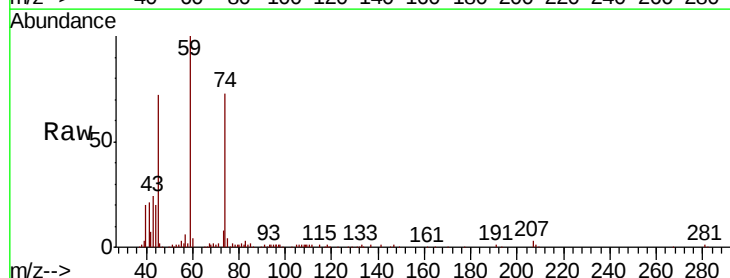
11/13/2019 11:06:43 AM



#8

Diethyl Ether
Concen: 20.838 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79053		
45	97.1	47.9	143.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.171 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

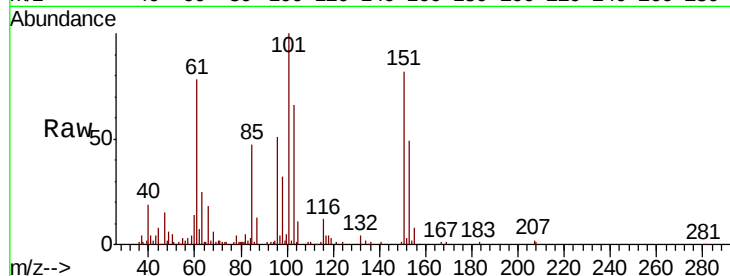
ClientSampleId :

VSTDIC020

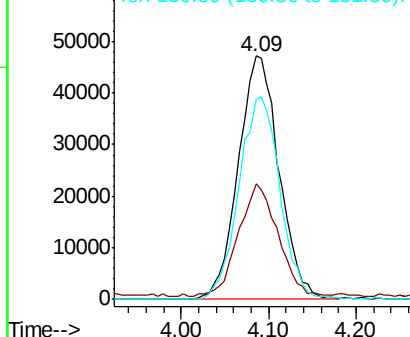
Tot Ion:	101	Resp:	149511
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.4	51.6
151	83.7	68.1	102.1

Manual Integrations
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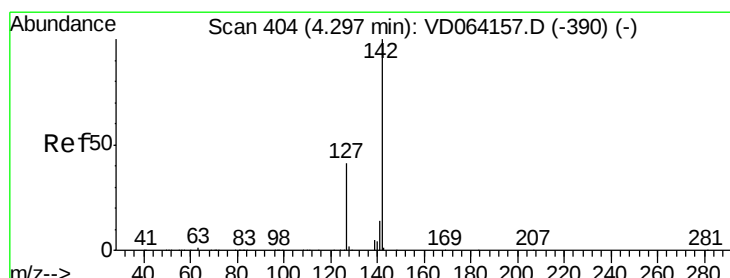
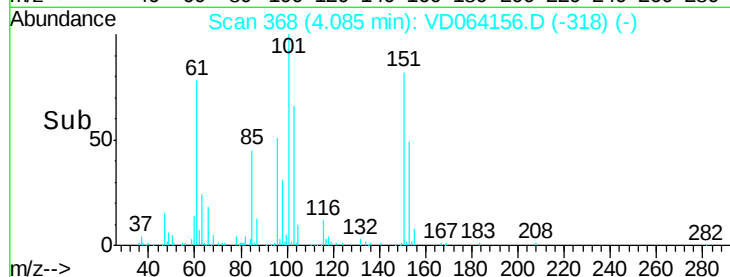
MMDadoda



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 15.279 ug/l

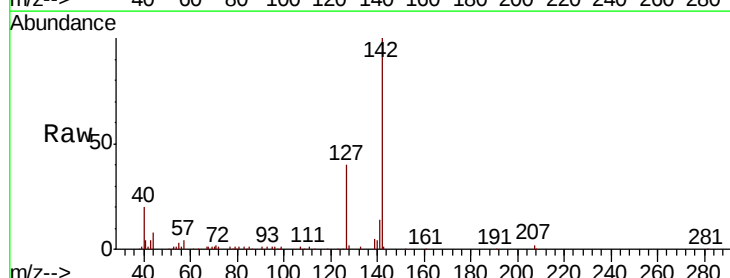
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

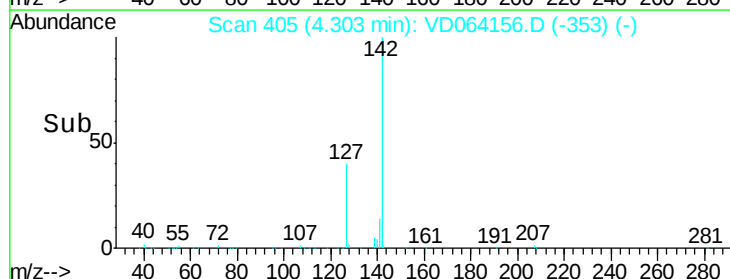
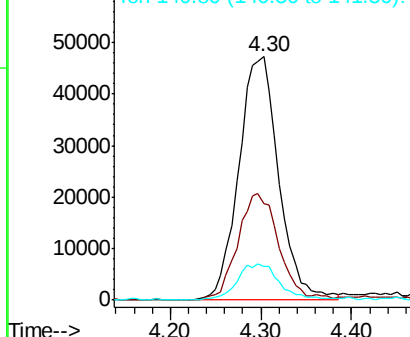
Lab File: VD064156.D

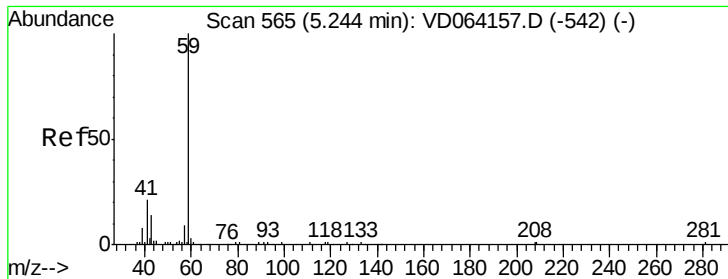
Acq: 08 Nov 2019 14:35

Tgt Ion:	142	Resp:	144701
Ion Ratio	Lower	Upper	
142	100		
127	44.1	34.4	51.6
141	15.7	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





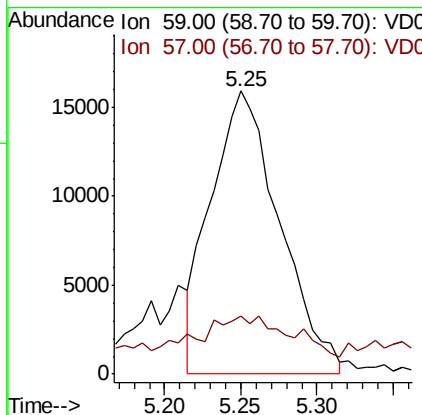
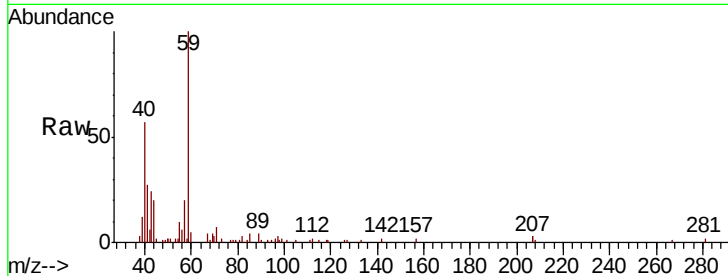
#11
Tert butyl alcohol
Concen: 129.988 ug/l m
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

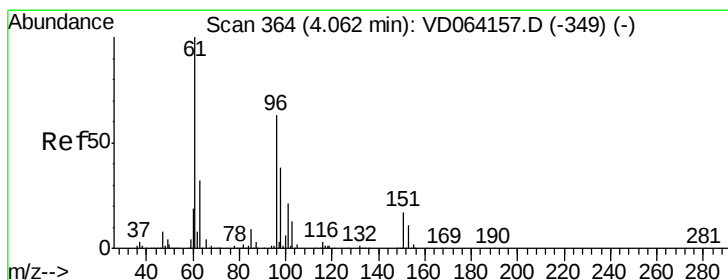
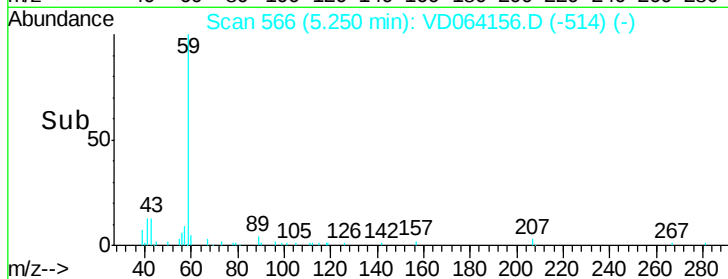
Tot Ion: 59 Resp: 50014
Ion Ratio Lower Upper
59 100
57 19.1 9.4 14.2#

Manual Integrations
APPROVED

MMDadoda

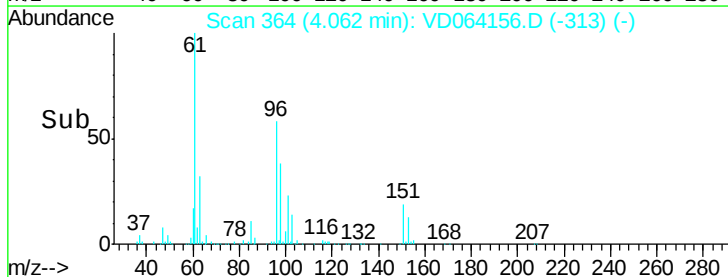
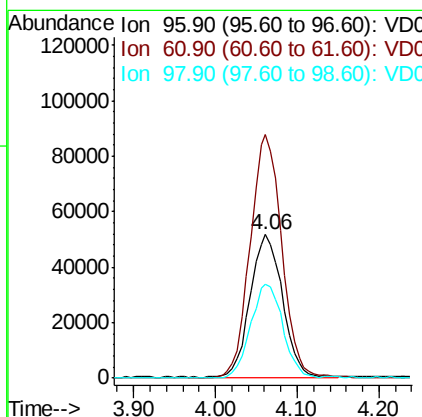
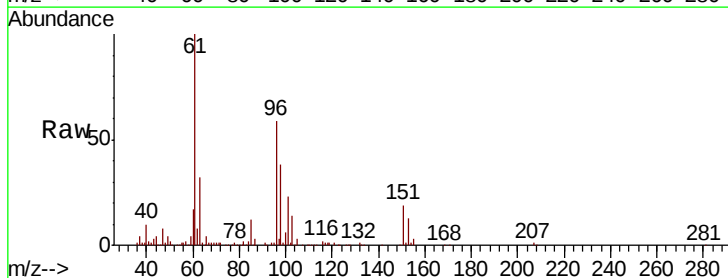


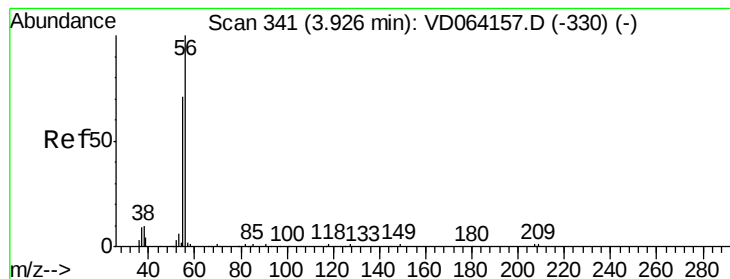
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#12
1,1-Dichloroethene
Concen: 19.469 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion: 96 Resp: 144709
Ion Ratio Lower Upper
96 100
61 170.0 127.4 191.2
98 65.2 48.1 72.1





#13

Acrolein

Concen: 86.645 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 38289

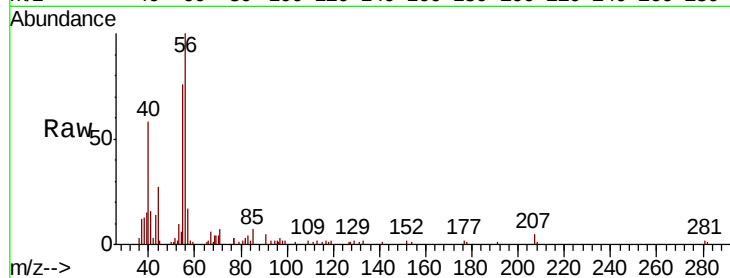
Ion Ratio Lower Upper

56 100

55 73.2 56.1 84.1

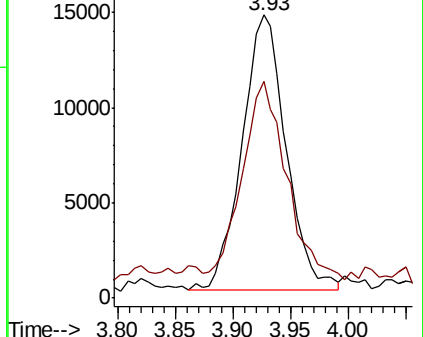
Manual Integrations
APPROVED

MMDadoda

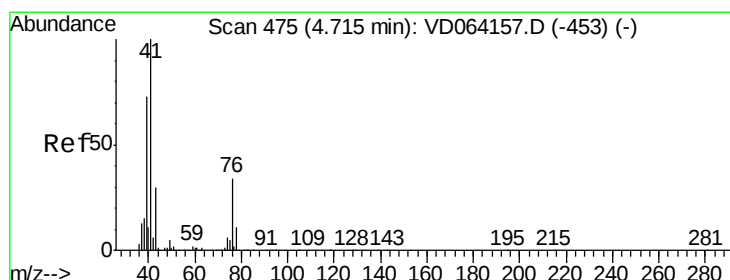
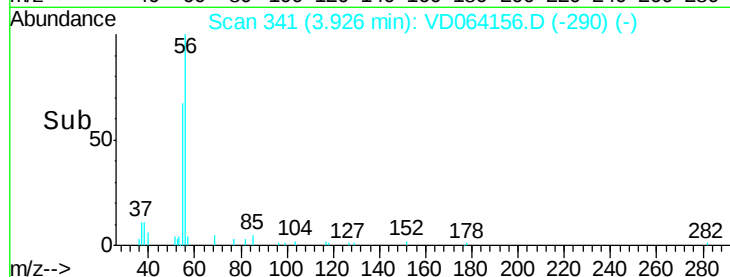


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



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#14

Allyl chloride

Concen: 27.361 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

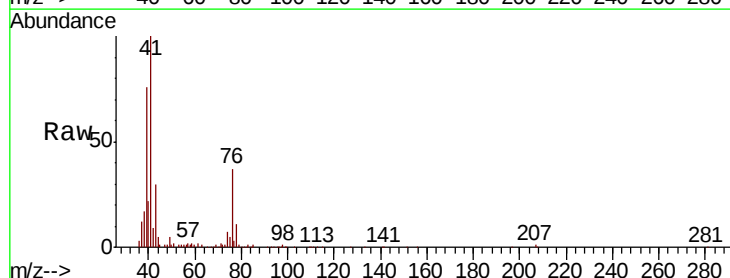
Tgt Ion: 41 Resp: 258010

Ion Ratio Lower Upper

41 100

39 74.4 57.5 86.3

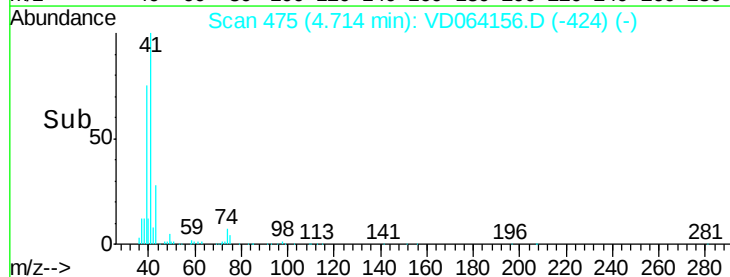
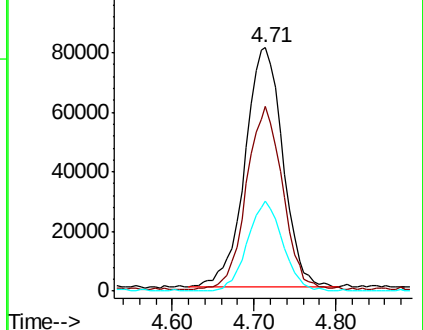
76 35.1 26.8 40.2

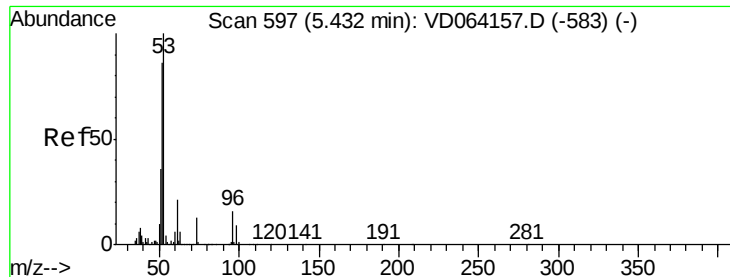


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 121.158 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 53 Resp: 172126

Ion Ratio Lower Upper

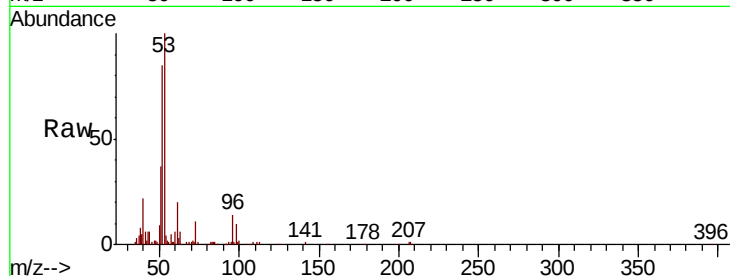
53 100

52 81.0 66.7 100.1

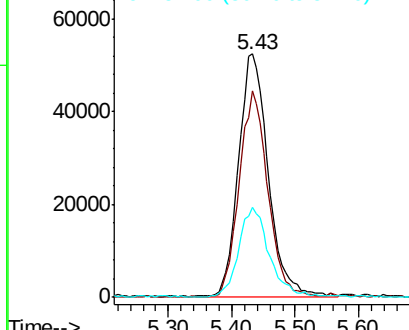
51 37.8 30.6 46.0

Manual Integrations
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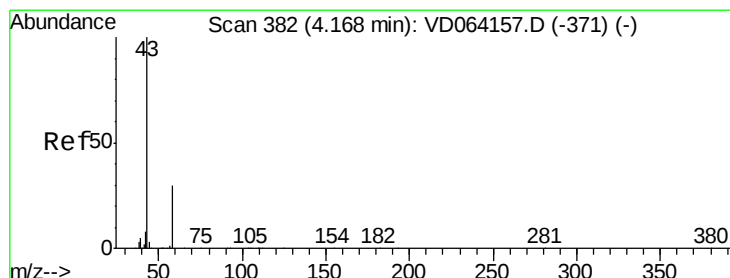
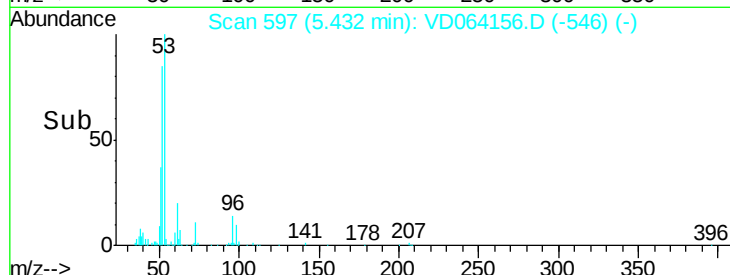
MMDadoda



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



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#16

Acetone

Concen: 120.919 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064156.D

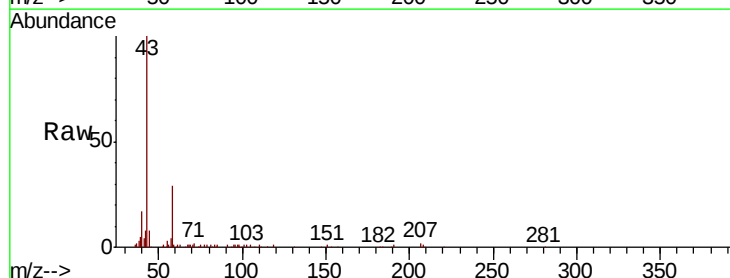
Acq: 08 Nov 2019 14:35

Tgt Ion: 43 Resp: 162782

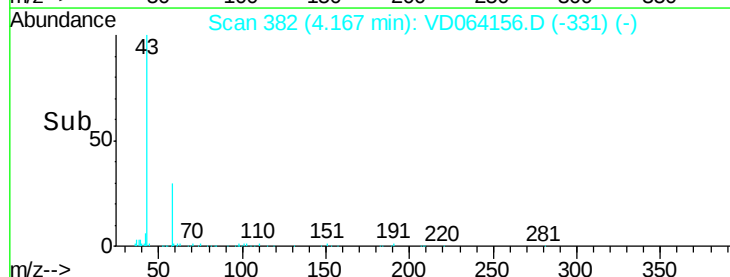
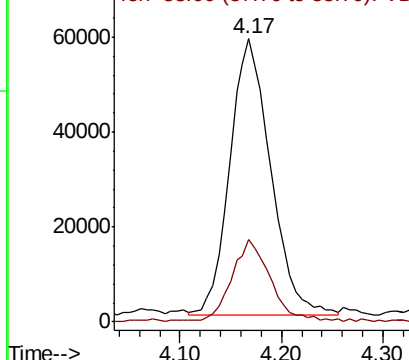
Ion Ratio Lower Upper

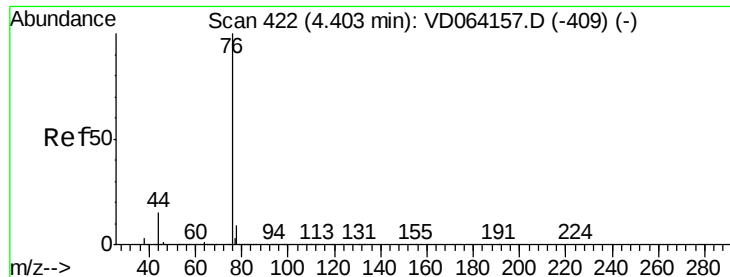
43 100

58 29.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





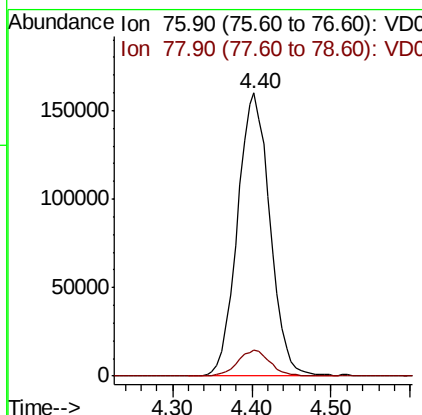
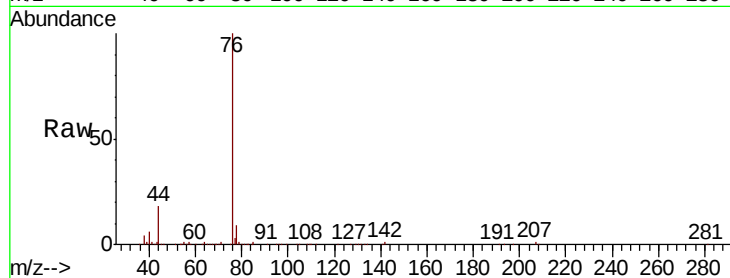
#17
Carbon Disulfide
Concen: 19.849 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

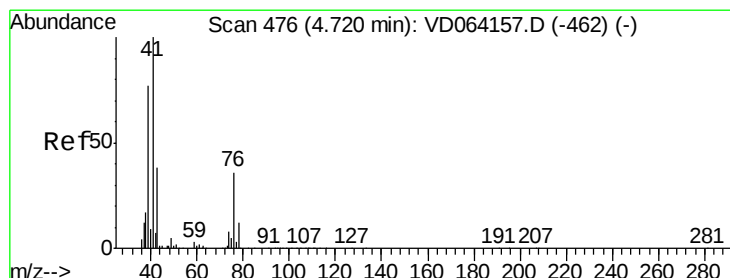
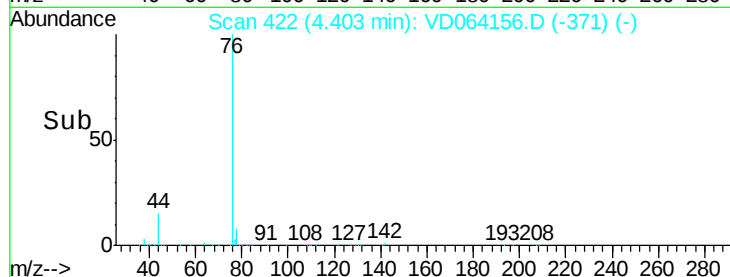
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

Manual Integrations
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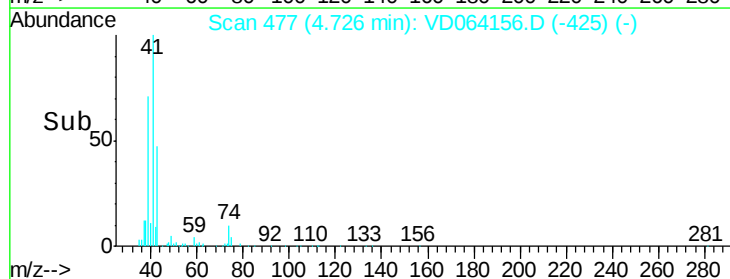
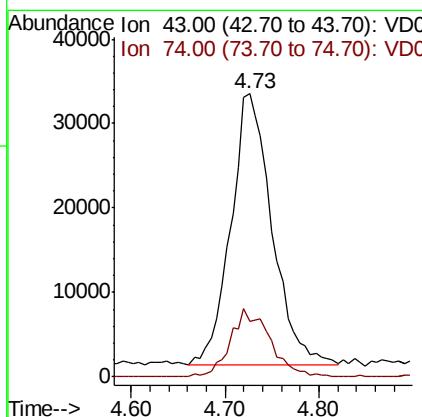
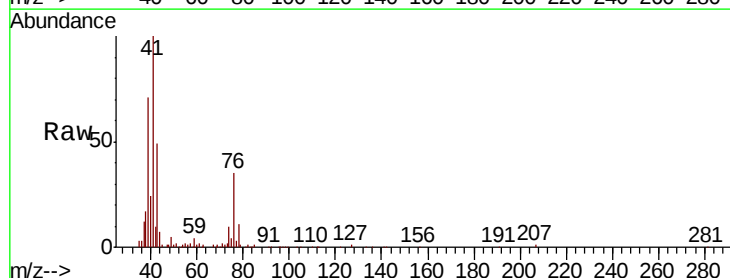


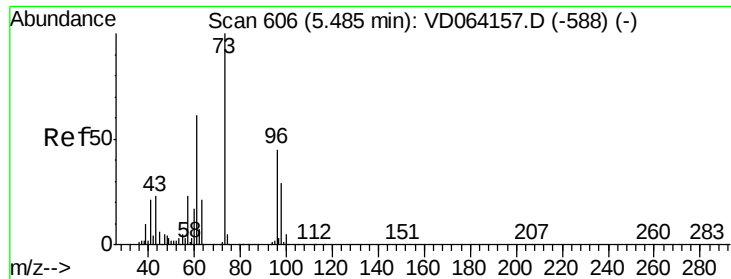
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#18
Methyl Acetate
Concen: 26.645 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.4	27.6





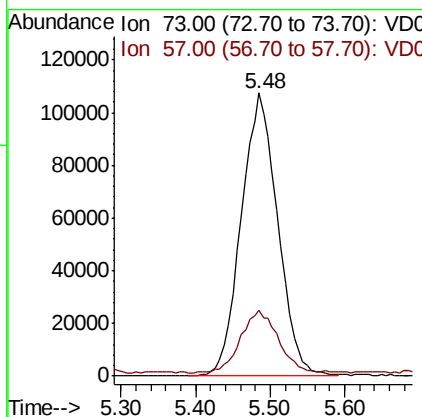
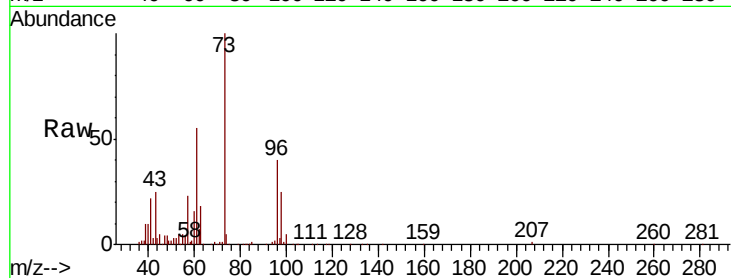
#19
Methvl tert-butvl Ether
Concen: 23.540 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

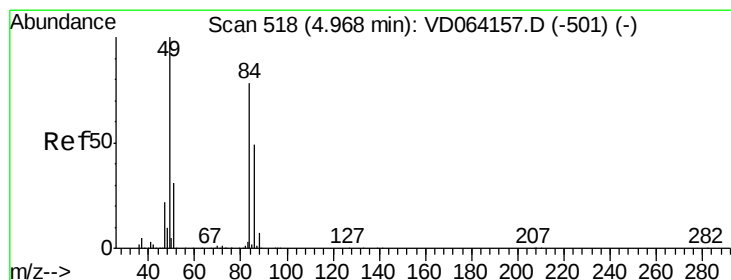
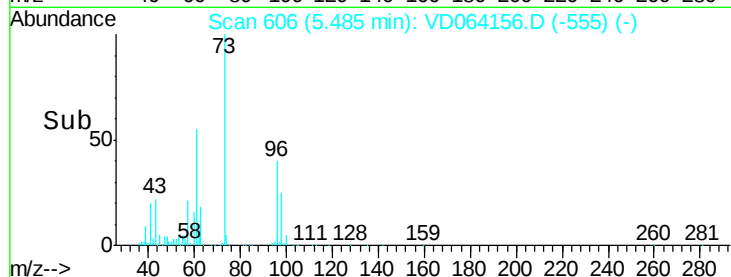
Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.4	27.6

Manual Integrations
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MMDadoda

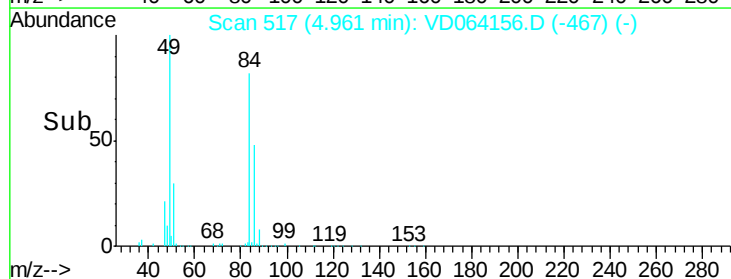
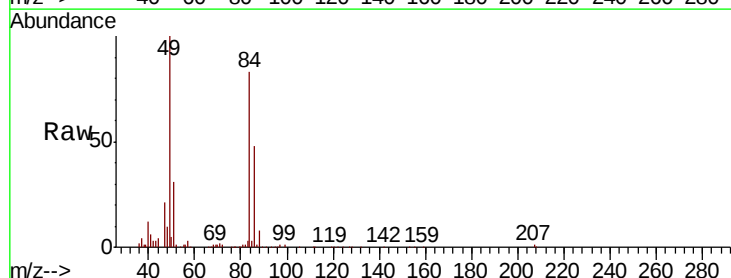
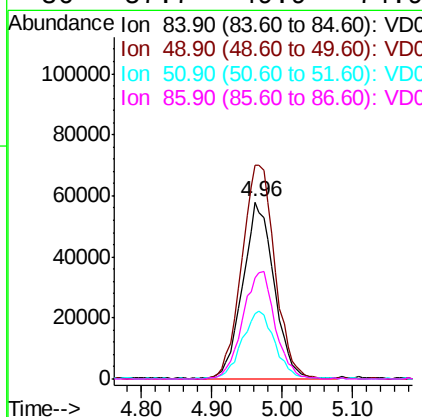


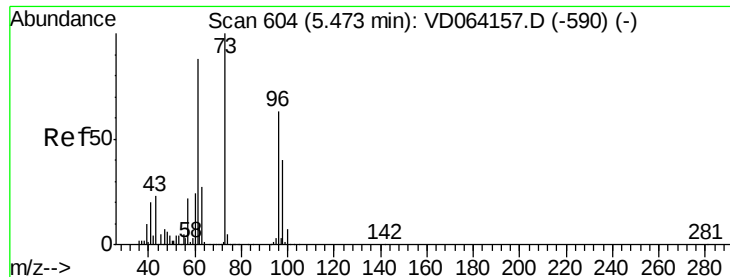
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#20
Methylene Chloride
Concen: 19.422 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	102.1	153.1
51	37.2	32.2	48.2
86	57.7	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.774 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

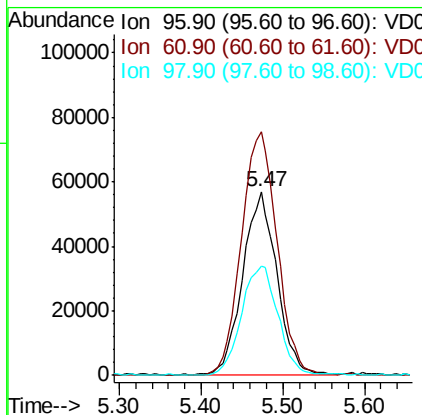
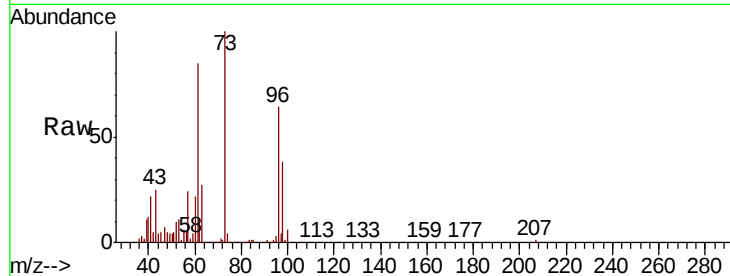
ClientSampleId :

VSTDIC020

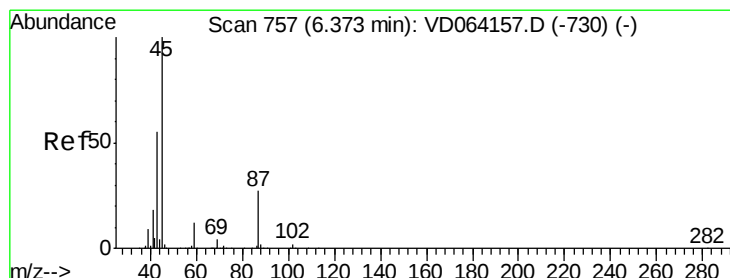
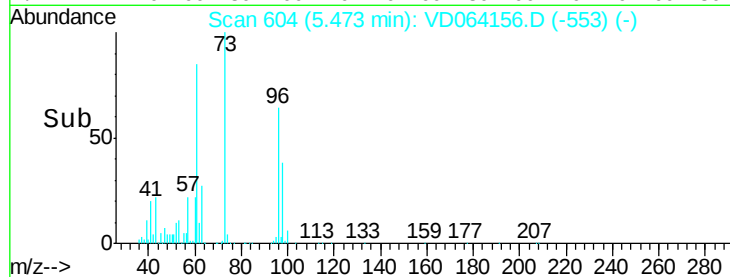
Tot Ion:	96	Resp:	164677
Ion	Ratio	Lower	Upper
96	100		
61	132.7	111.8	167.6
98	59.5	50.3	75.5

Manual Integrations
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MMDadoda



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#22

Diisopropyl ether

Concen: 24.722 ug/l

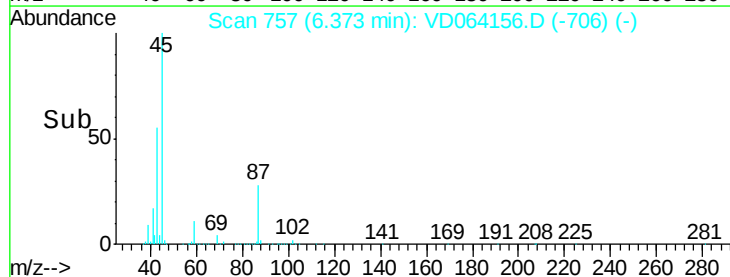
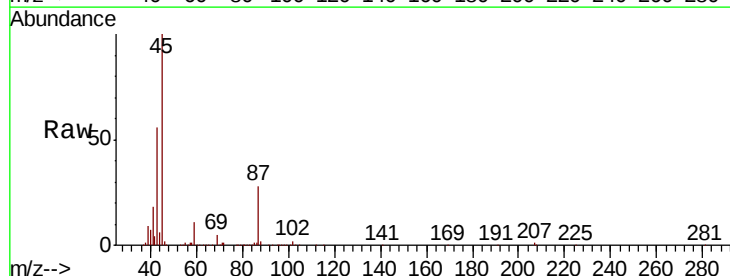
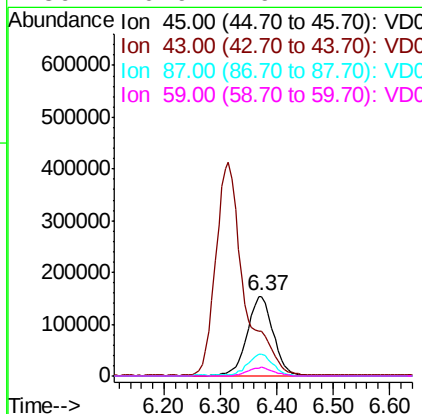
RT: 6.37 min Scan# 757

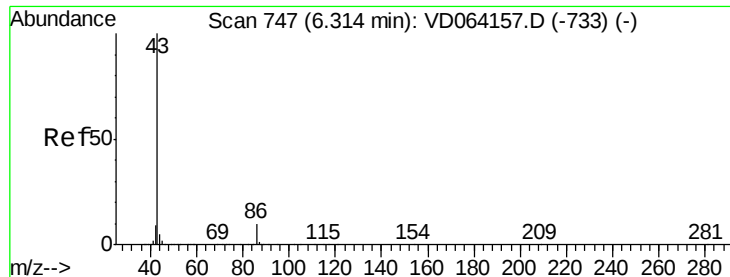
Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Tgt Ion:	45	Resp:	495004
Ion	Ratio	Lower	Upper
45	100		
43	54.7	44.4	66.6
87	28.0	21.9	32.9
59	10.9	9.4	14.2





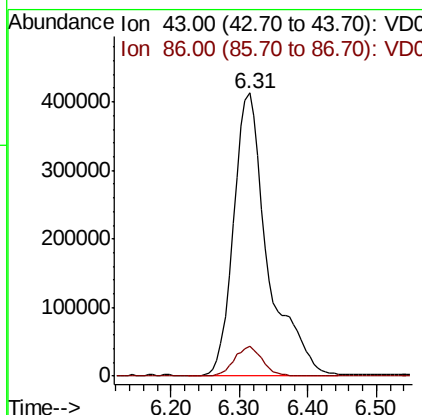
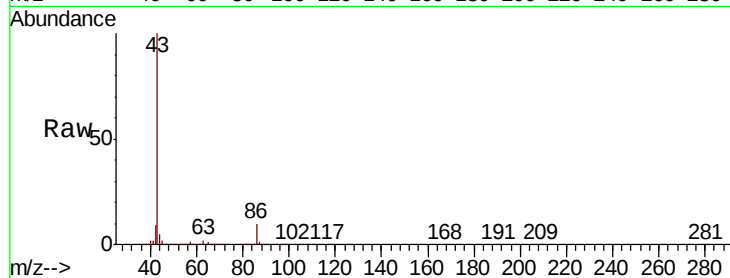
#23
 Vinyl Acetate
 Concen: 128.759 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

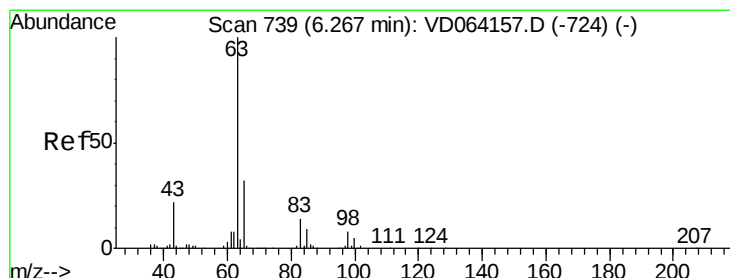
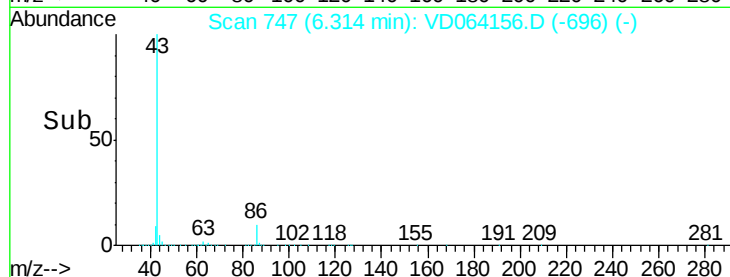
Tot Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.2	12.2

Manual Integrations
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MMDadoda

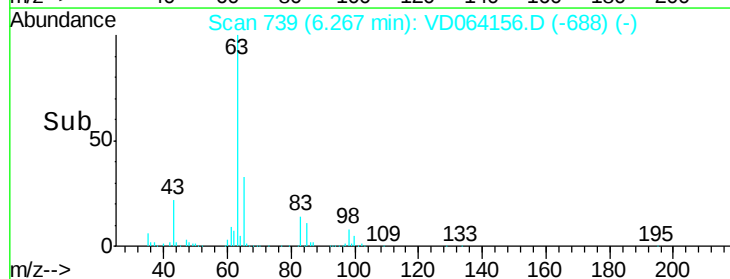
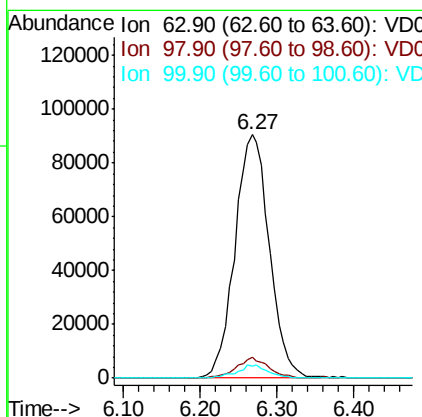
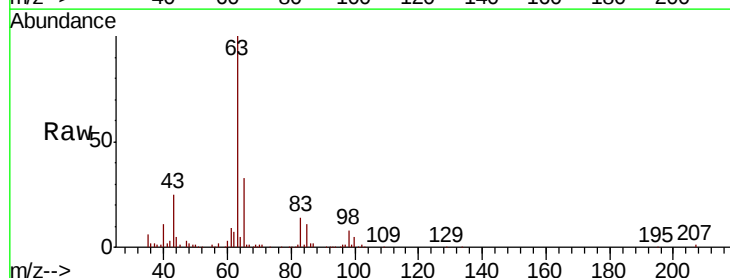


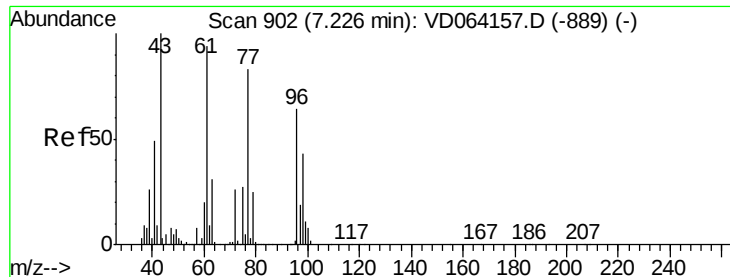
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#24
 1,1-Dichloroethane
 Concen: 21.504 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.8	11.4
100	4.8	2.4	7.2





#25

2-Butanone

Concen: 125.052 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 231091

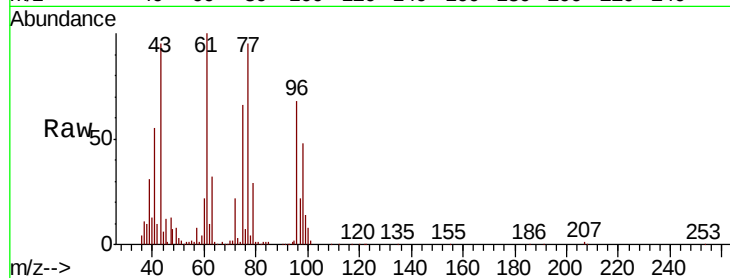
Ion Ratio Lower Upper

43 100

72 23.6 20.6 30.8

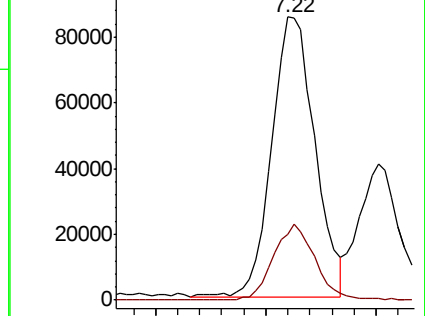
Manual Integrations
APPROVED

MMDadoda

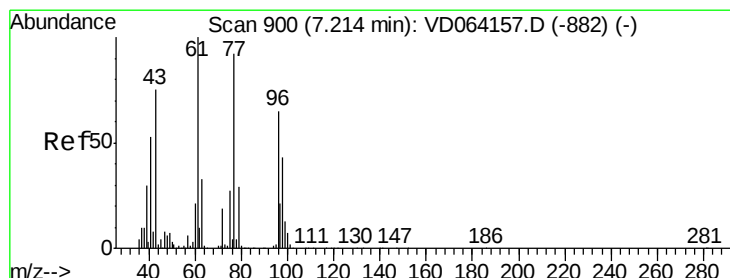
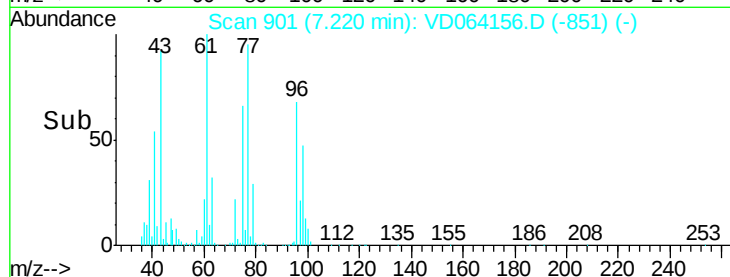


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



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#26

2,2-Dichloropropane

Concen: 22.023 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064156.D

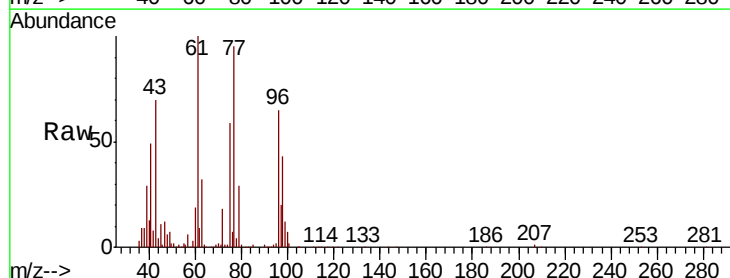
Acq: 08 Nov 2019 14:35

Tgt Ion: 77 Resp: 276635

Ion Ratio Lower Upper

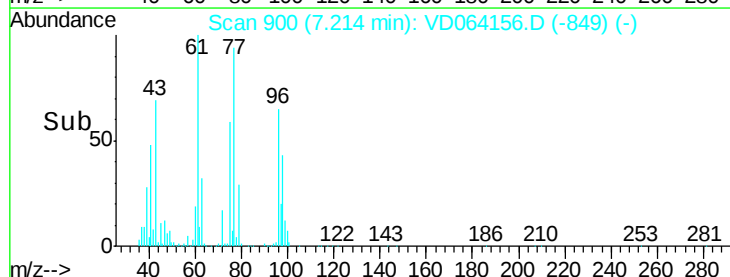
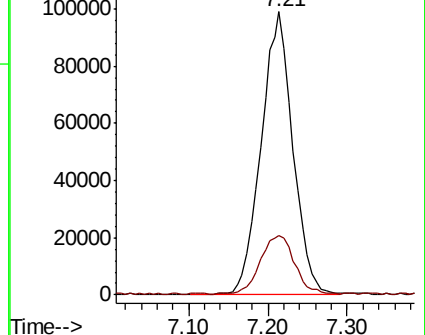
77 100

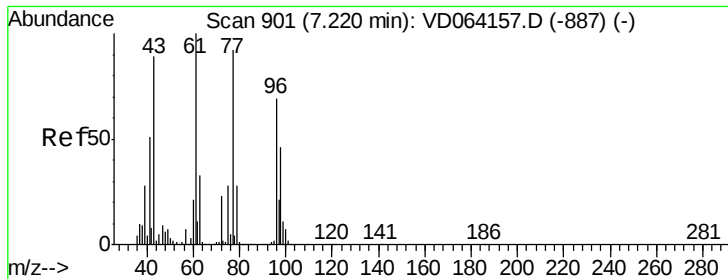
97 22.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

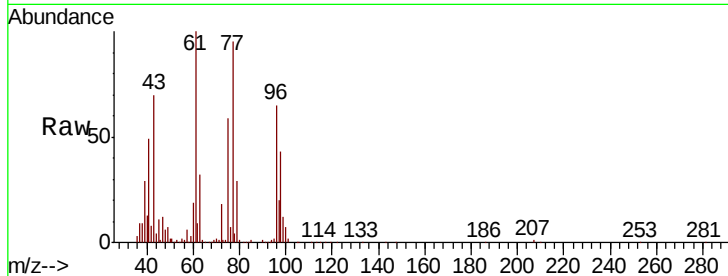
cis-1,2-Dichloroethene
Concen: 19.832 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

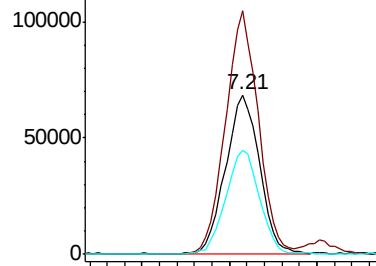
Tot Ion	Ion	Ratio	Resp	Lower	Upper
183424	96	100			
	61	147.2	0.0	301.4	
	98	65.5	0.0	133.2	

Manual Integrations
APPROVED

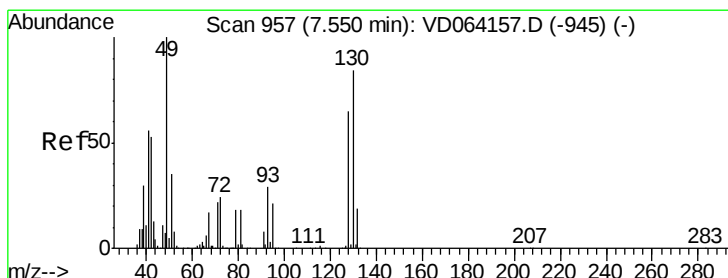
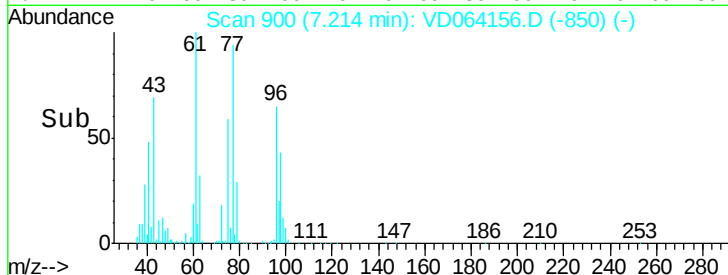
MMDadoda



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



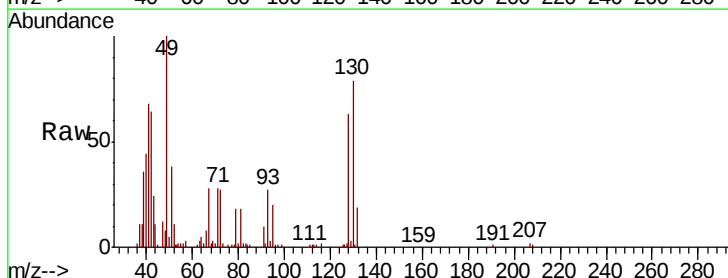
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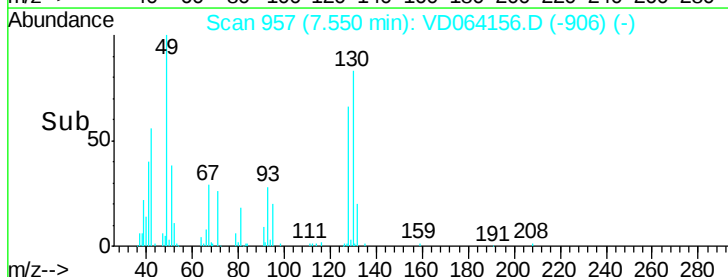
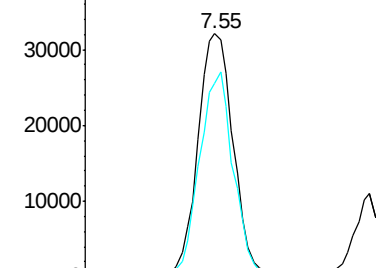
#28

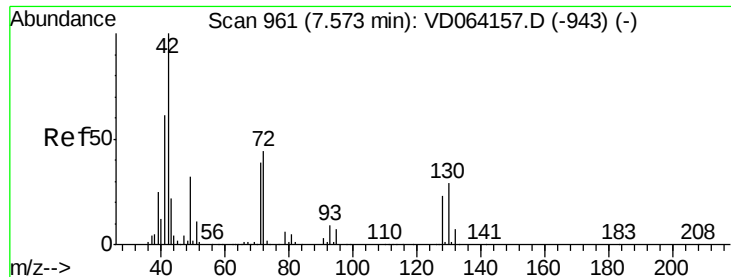
Bromochloromethane
Concen: 17.763 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84161	49	100			
	129	2.5	0.0	4.4	
	130	81.2	66.8	100.2	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





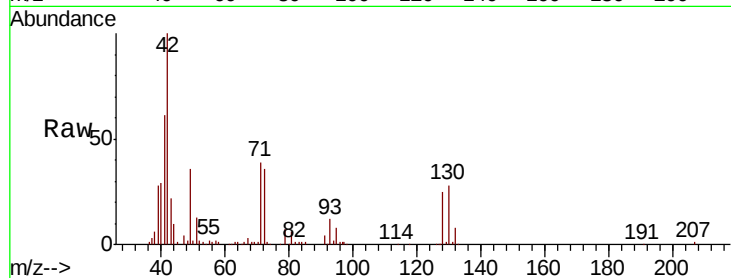
#29
Tetrahydrofuran
Concen: 130.268 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

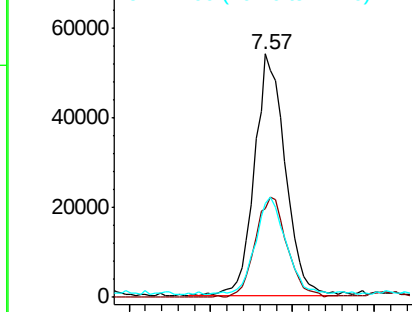
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.4	50.2
71	40.2	31.0	46.4

Manual Integrations
APPROVED

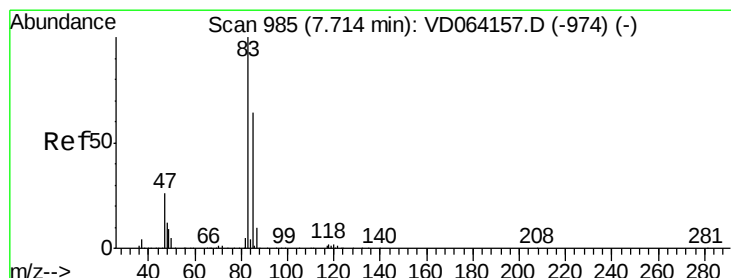
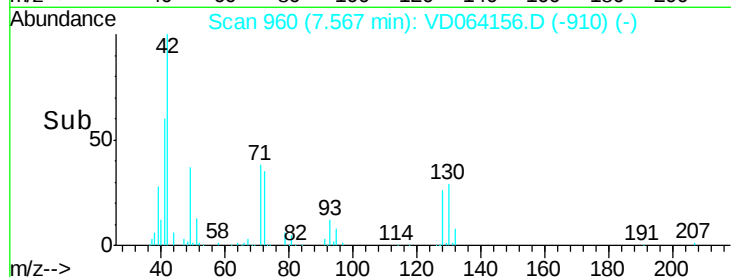
MMDadoda



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

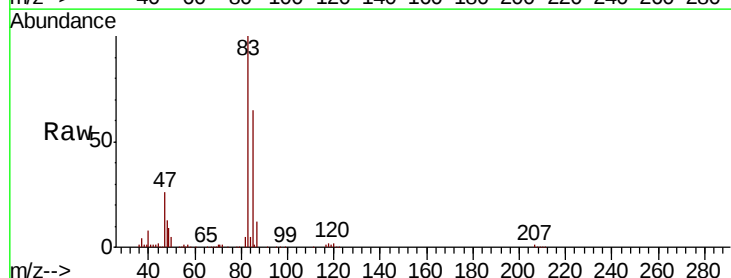


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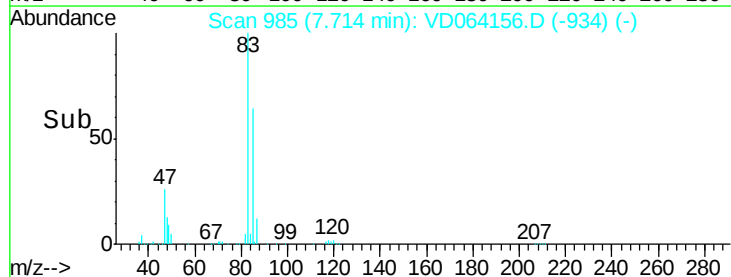
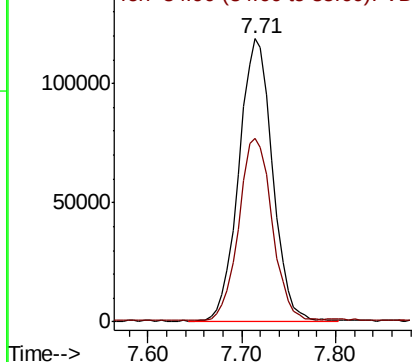


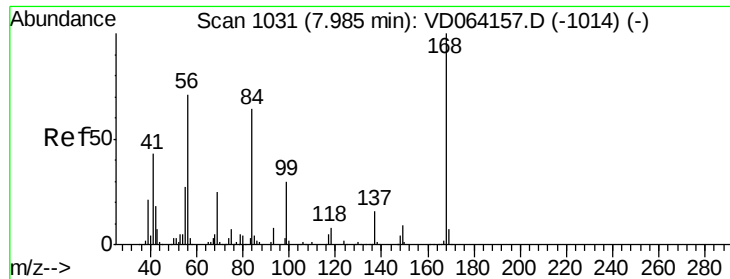
#30
Chloroform
Concen: 19.759 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





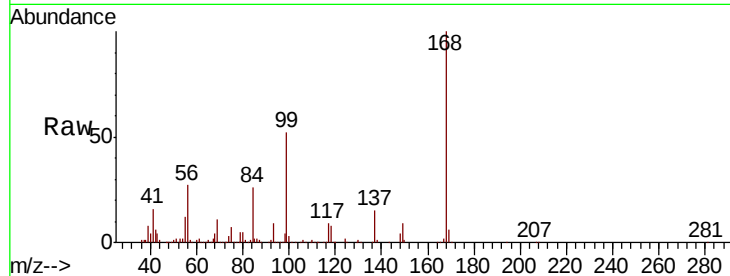
#31
Cyclohexane
Concen: 20.680 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

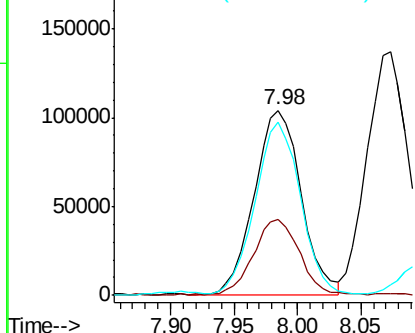
Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	28.2	42.4
84	92.8	71.8	107.6

Manual Integrations
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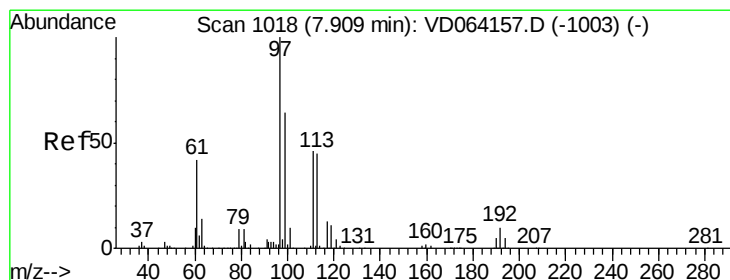
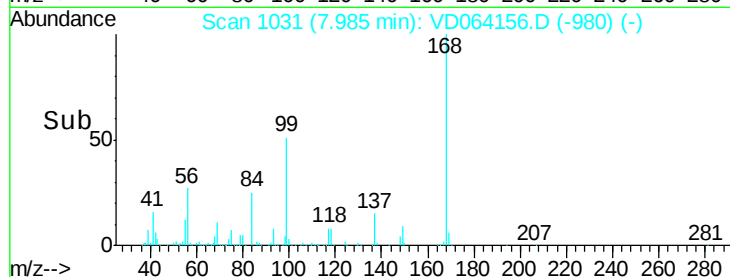
MMDadoda



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

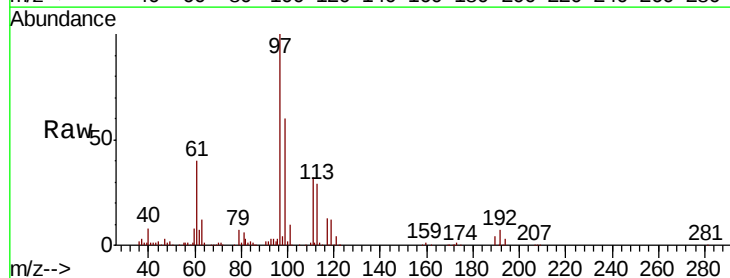


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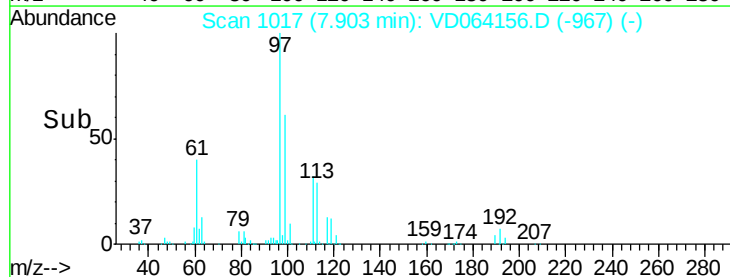
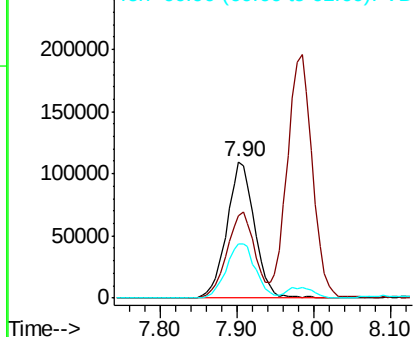


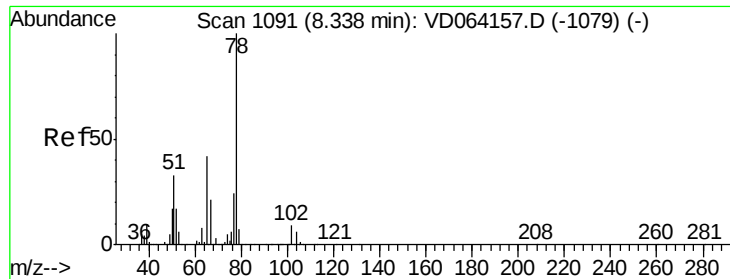
#32
1,1,1-Trichloroethane
Concen: 19.696 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	42.1	34.2	51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





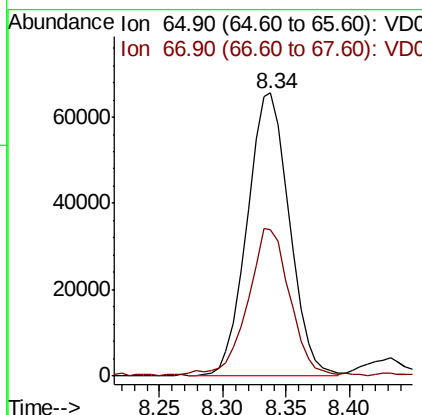
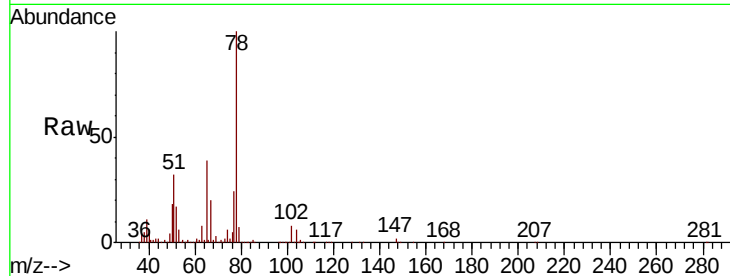
#33
 1,2-Dichloroethane-d4
 Concen: 21.967 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

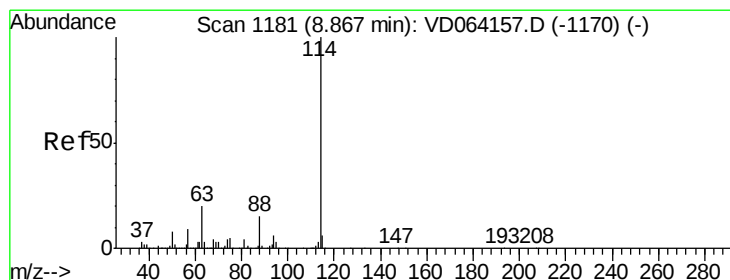
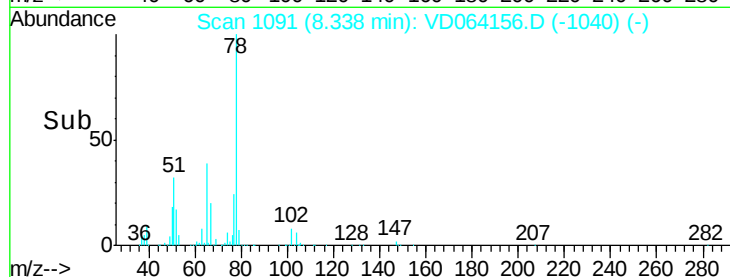
Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	104.4	

Manual Integrations
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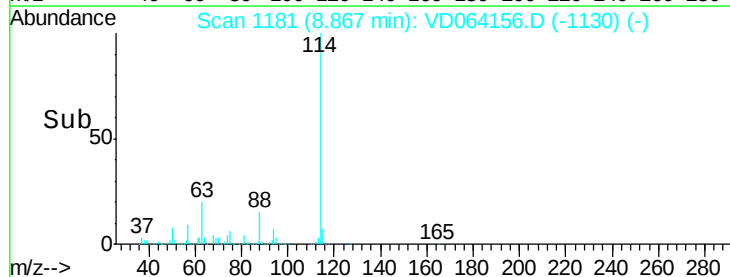
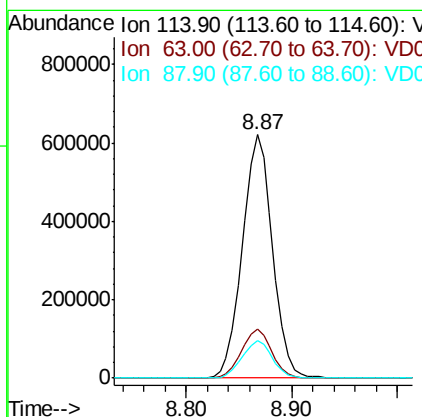
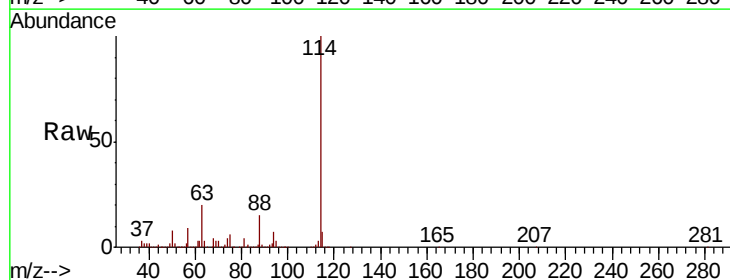


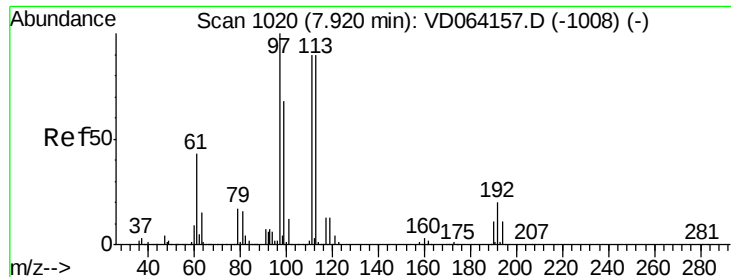
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	40.0	
88	15.3	0.0	30.2	





#35

Dibromofluoromethane

Concen: 19.472 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

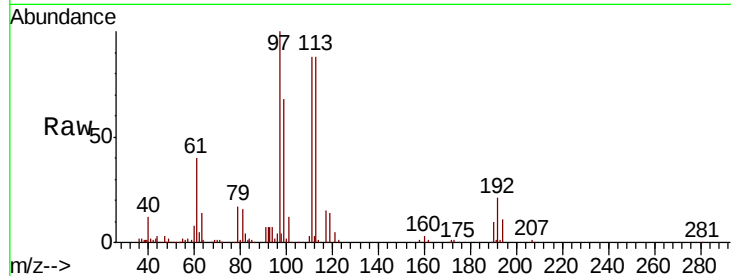
ClientSampleId :

VSTDIC020

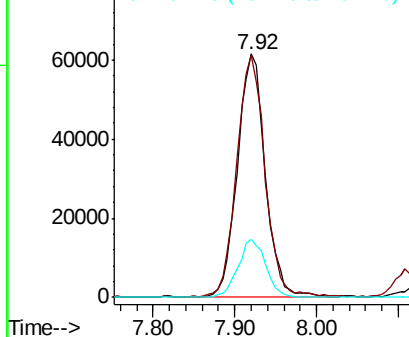
Tot Ion:	113	Resp:	146168
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.5	122.3
192	23.6	18.8	28.2

Manual Integrations
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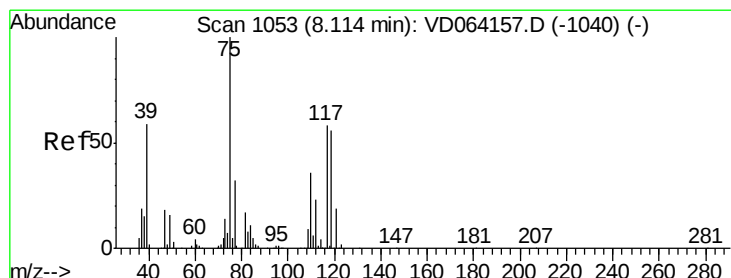
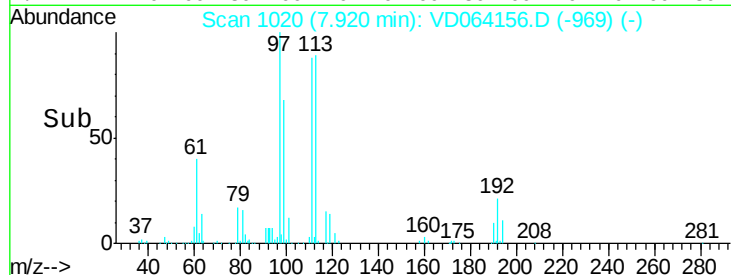
MMDadoda



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



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#36

1,1-Dichloropropene

Concen: 19.570 ug/l

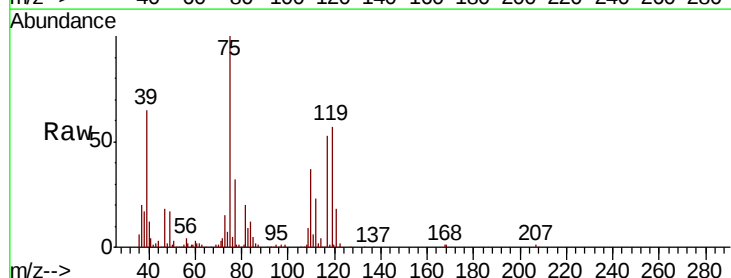
RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

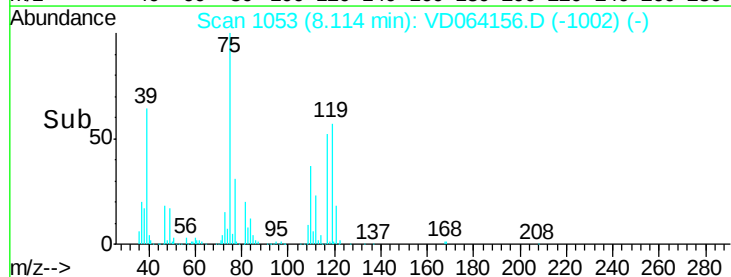
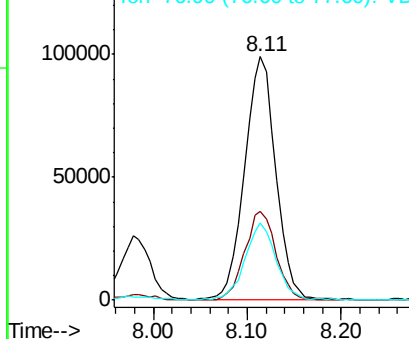
Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Tgt Ion:	75	Resp:	226025
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.3	54.9
77	31.1	25.0	37.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





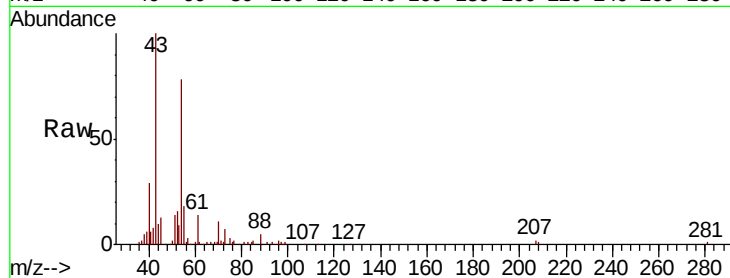
#37
Ethyl Acetate
Concen: 28.054 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

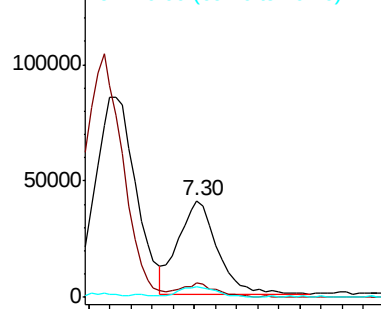
Tot Ion:	43	Resp:	104625
Ion Ratio	Lower	Upper	
43	100		
61	12.9	10.2	15.2
70	10.1	8.5	12.7

Manual Integrations
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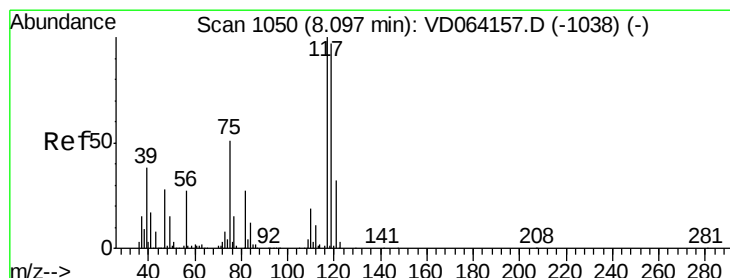
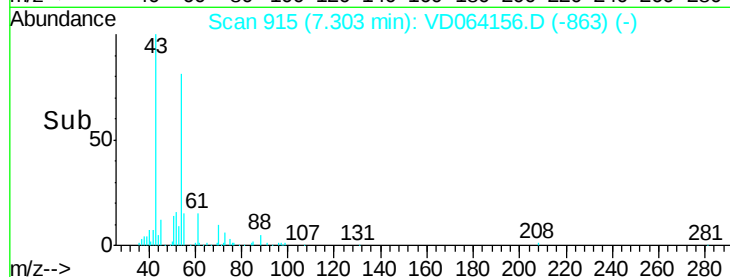
MMDadoda



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

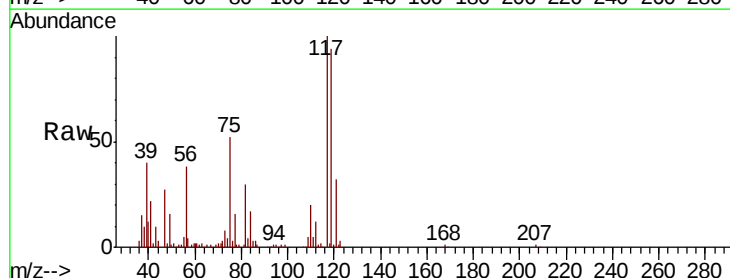


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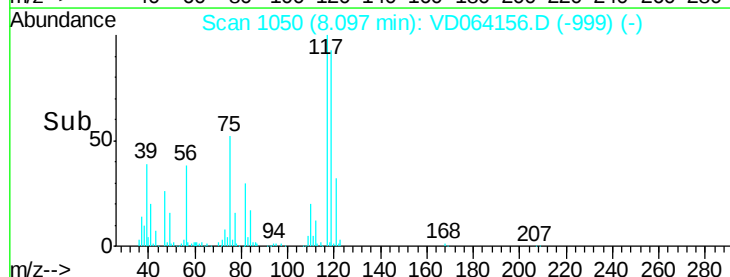
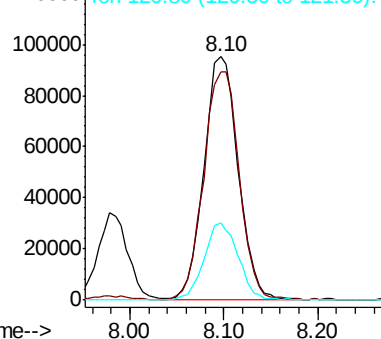


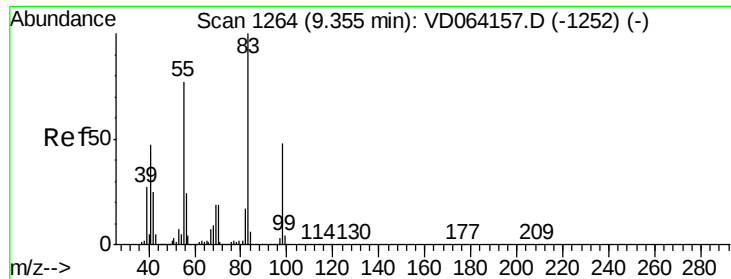
#38
Carbon Tetrachloride
Concen: 19.113 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion:	117	Resp:	238826
Ion Ratio	Lower	Upper	
117	100		
119	93.5	77.2	115.8
121	31.8	25.5	38.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





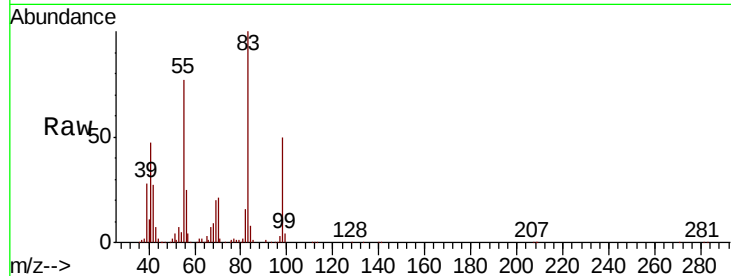
#39
Methvlcvclohexane
Concen: 19.343 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

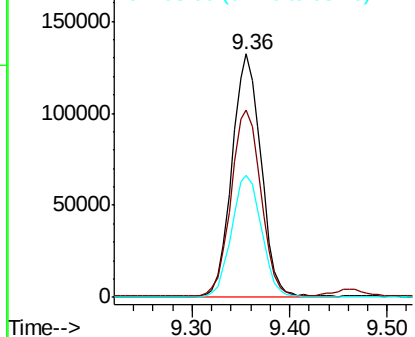
Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.7	92.5
98	50.1	38.6	58.0

Manual Integrations
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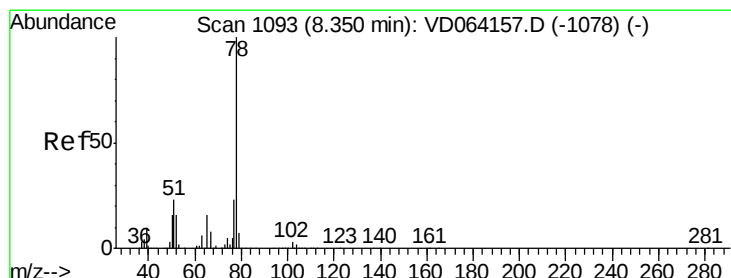
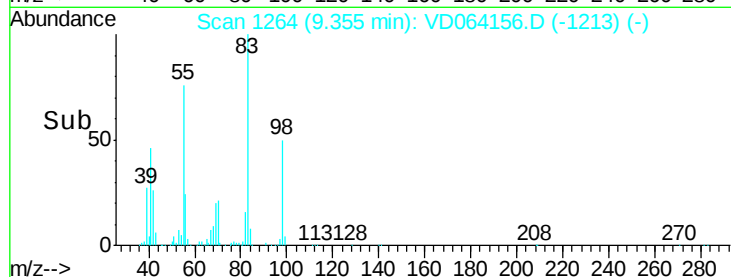
MMDadoda



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

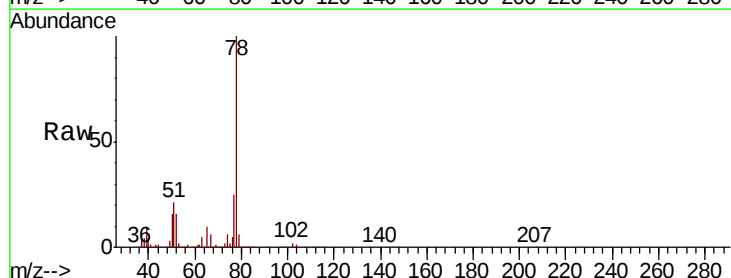


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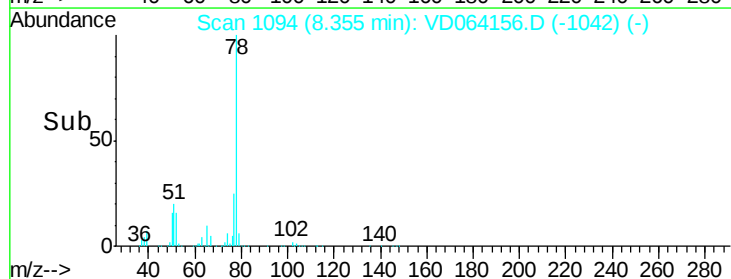
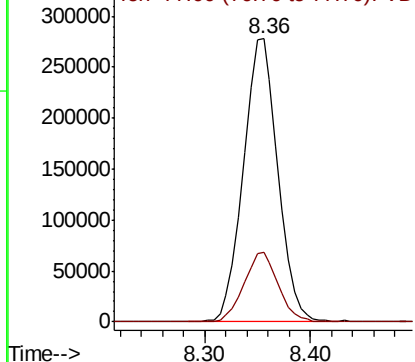


#40
Benzene
Concen: 20.114 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





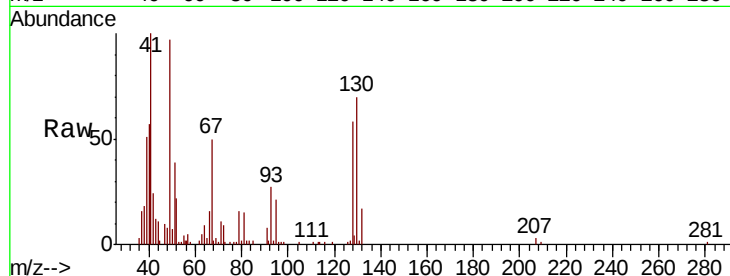
#41
Methacrylonitrile
Concen: 30.162 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

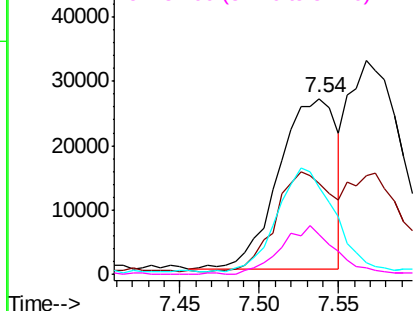
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.3	49.4	74.2	
67	60.9	49.6	74.4	
52	26.6	21.4	32.0	

Manual Integrations
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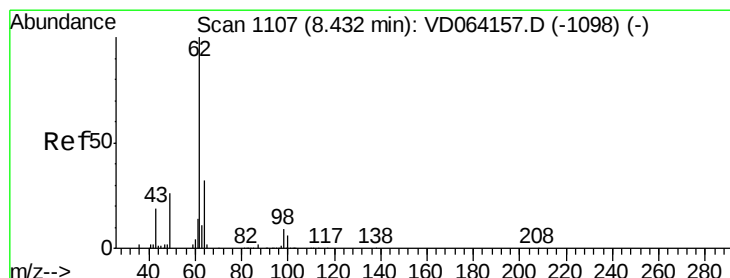
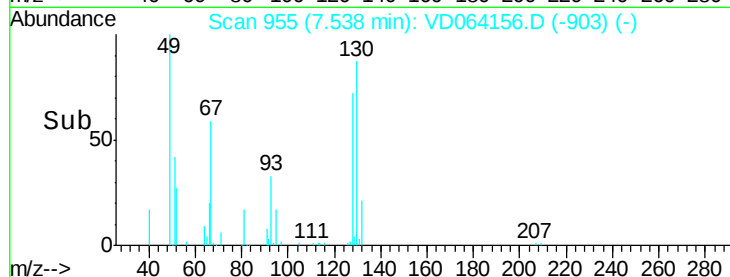
MMDadoda



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

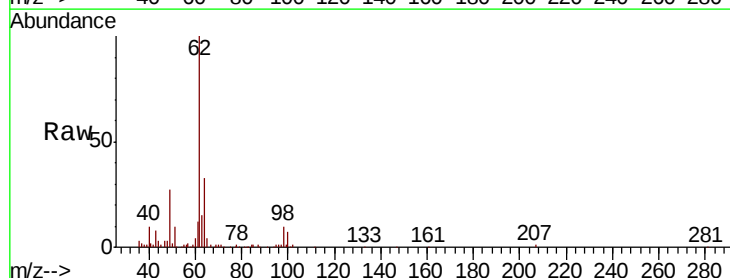


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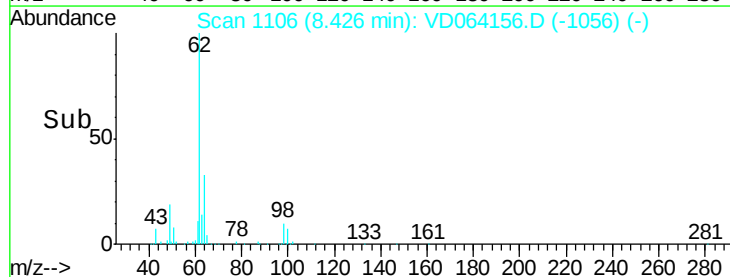
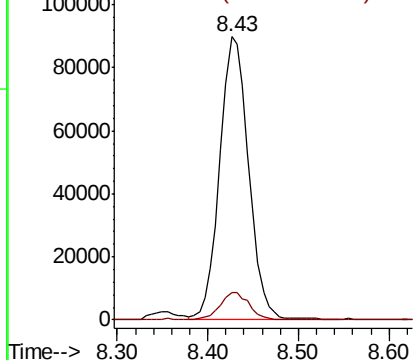


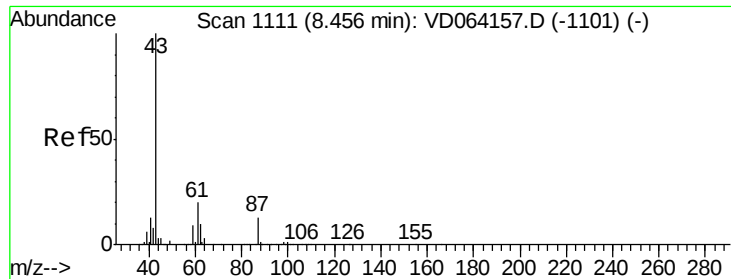
#42
1,2-Dichloroethane
Concen: 23.567 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.0	



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





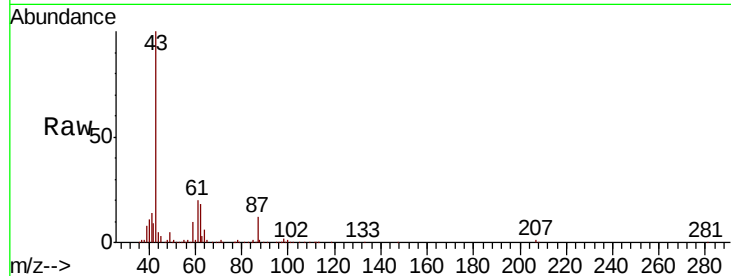
#43
Isopropyl Acetate
Concen: 27.303 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

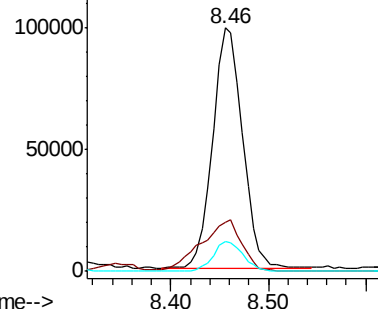
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.9	34.3
87	12.6	10.2	15.2

Manual Integrations
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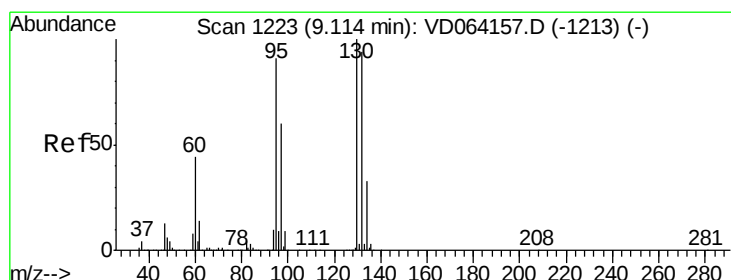
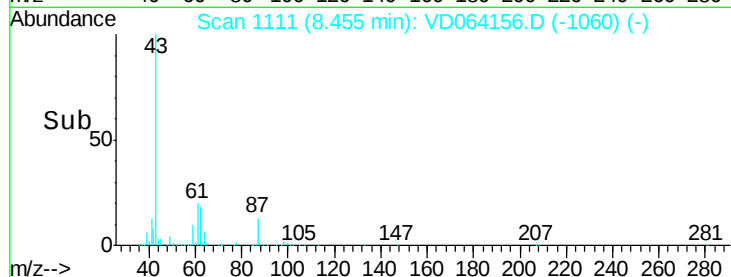
MMDadoda



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

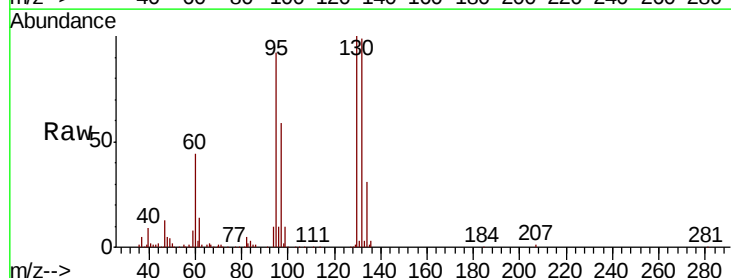


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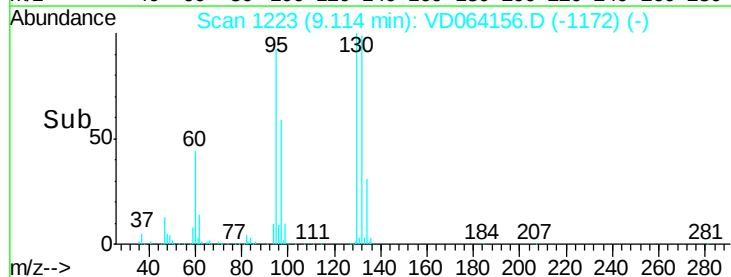
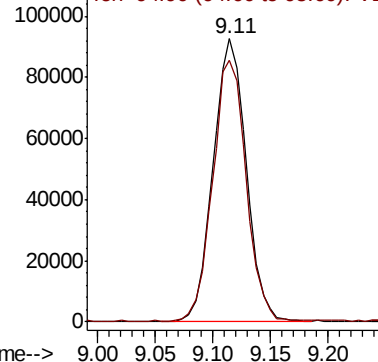


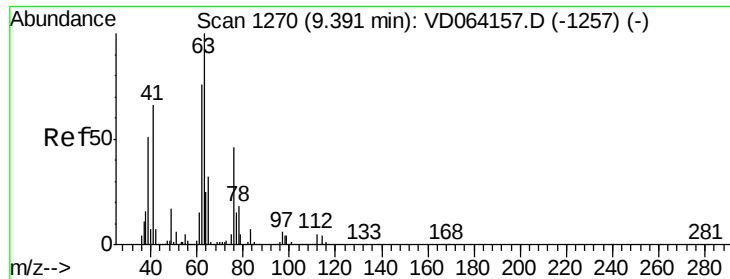
#44
Trichloroethene
Concen: 19.554 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





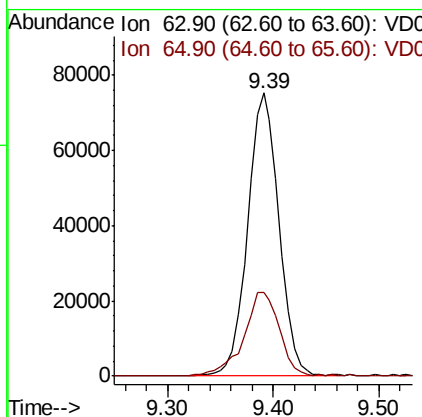
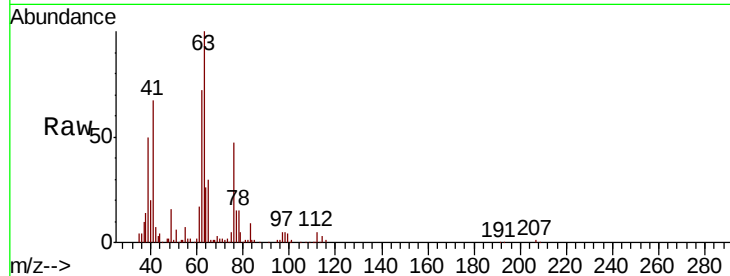
#45
 1,2-Dichloropropane
 Concen: 21.162 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

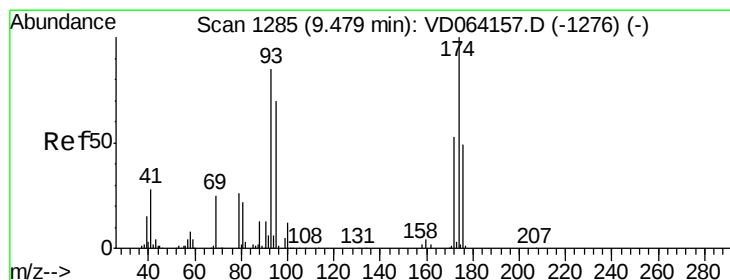
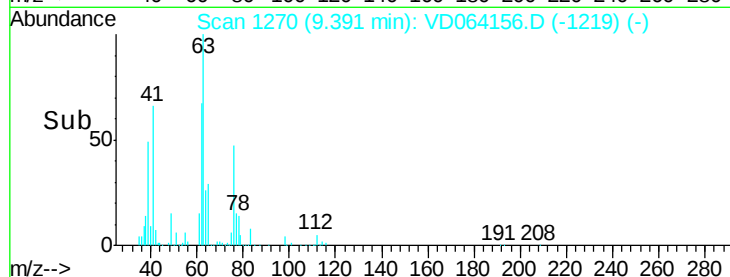
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	25.7	38.5

Manual Integrations
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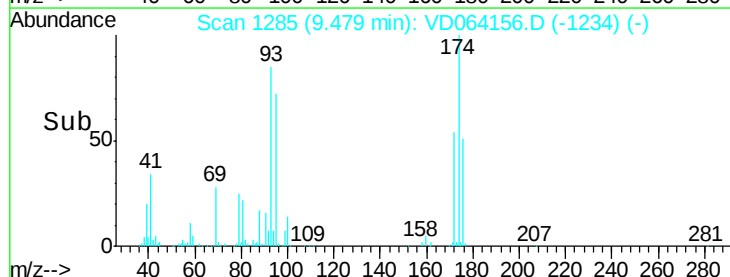
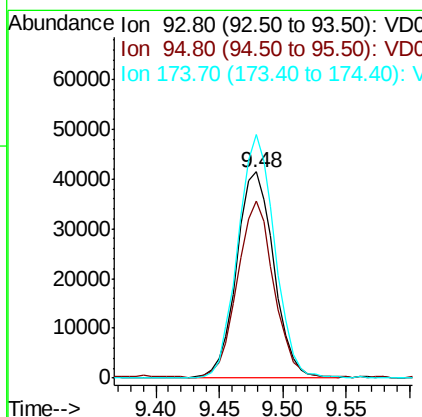
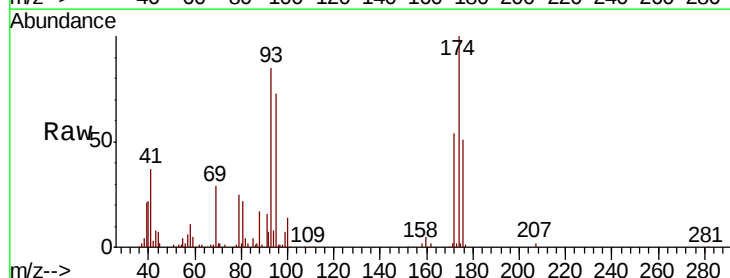


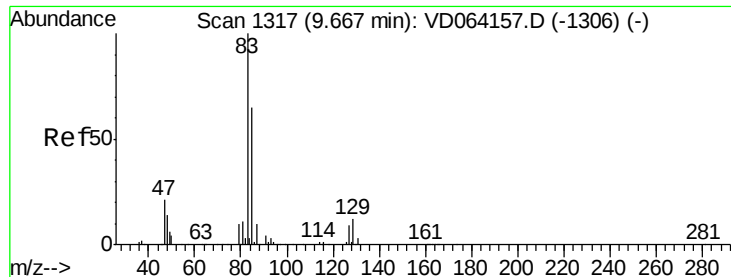
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#46
 Dibromomethane
 Concen: 19.655 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	65.5	98.3
174	116.5	93.9	140.9





#47

Bromodichloromethane

Concen: 20.352 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

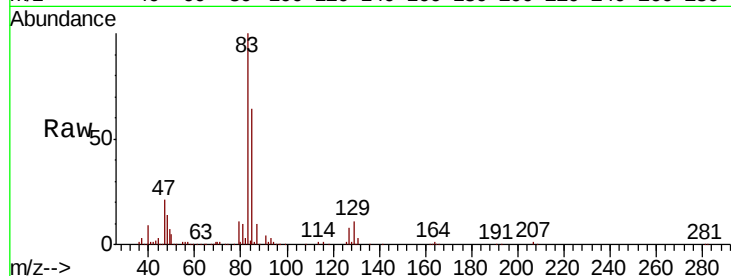
ClientSampleId :

VSTDIC020

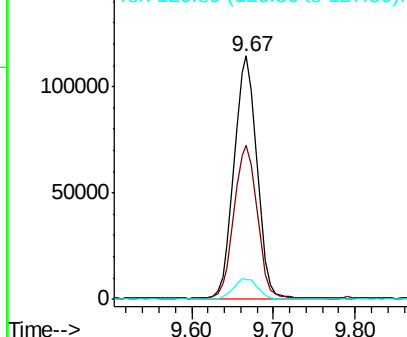
Tot Ion:	83	Resp:	223213
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.4
127	7.9	7.5	11.3

Manual Integrations
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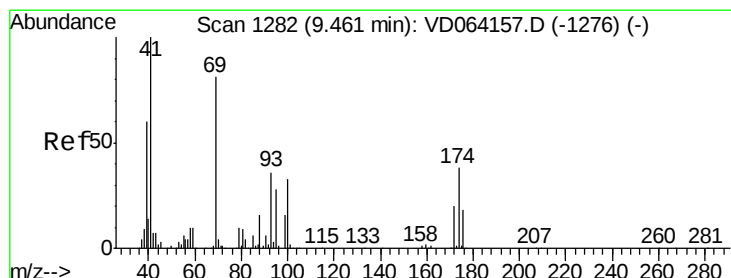
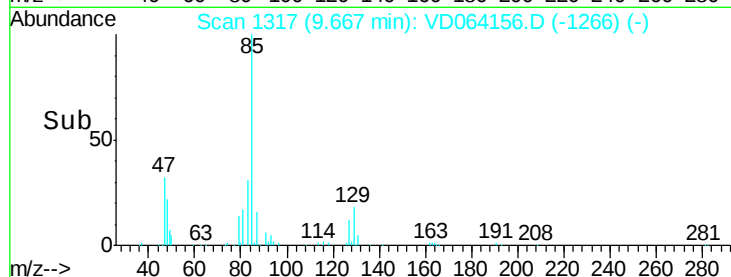
MMDadoda



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



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#48

Methyl methacrylate

Concen: 28.637 ug/l

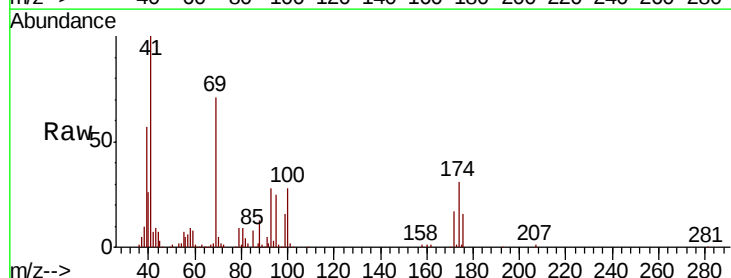
RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

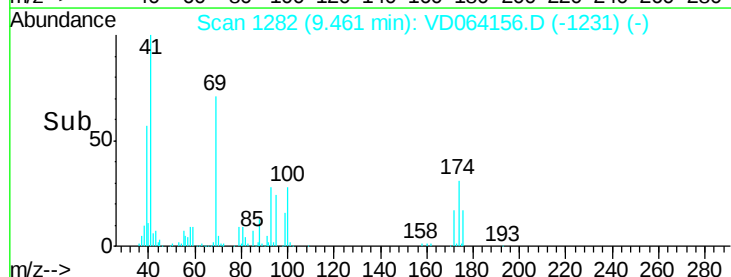
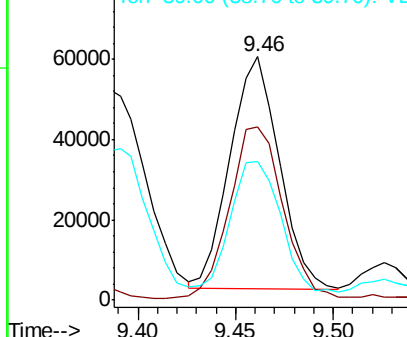
Lab File: VD064156.D

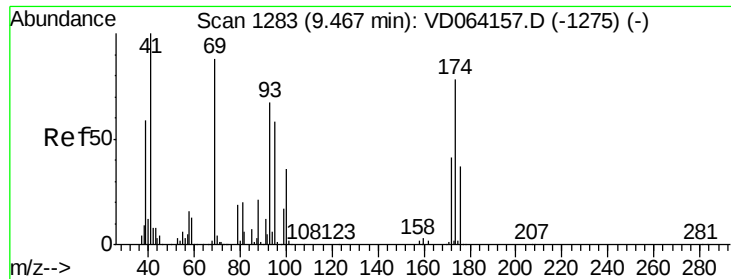
Acq: 08 Nov 2019 14:35

Tgt Ion:	41	Resp:	101246
Ion	Ratio	Lower	Upper
41	100		
69	79.6	64.6	97.0
39	57.0	48.2	72.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





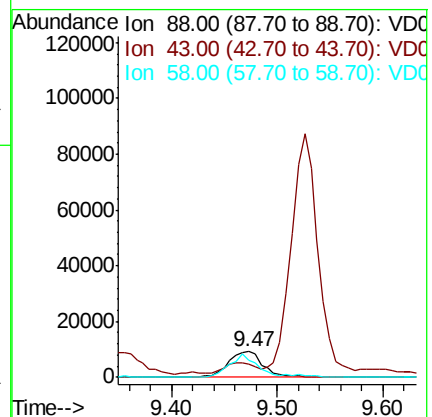
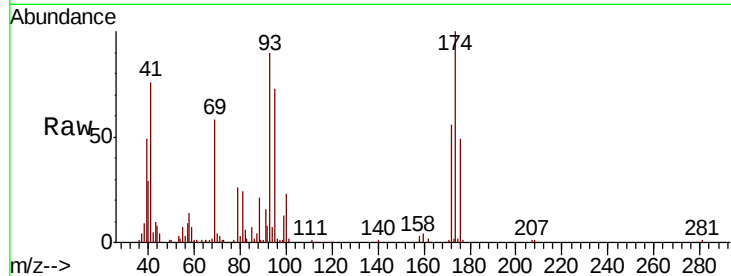
#49
1,4-Dioxane
Concen: 429.480 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

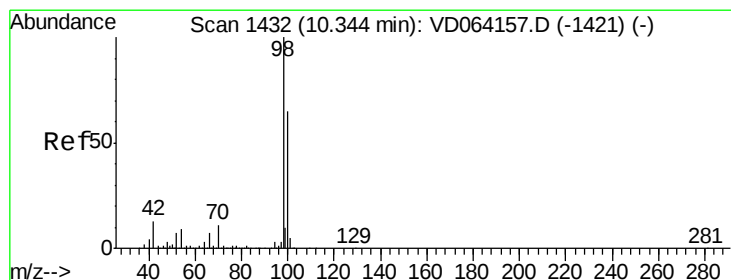
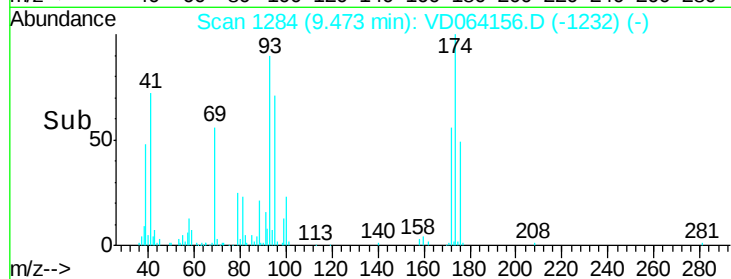
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	29.8	44.8
58	83.2	58.1	87.1

Manual Integrations
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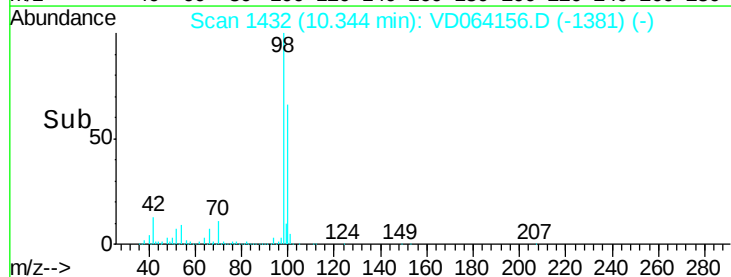
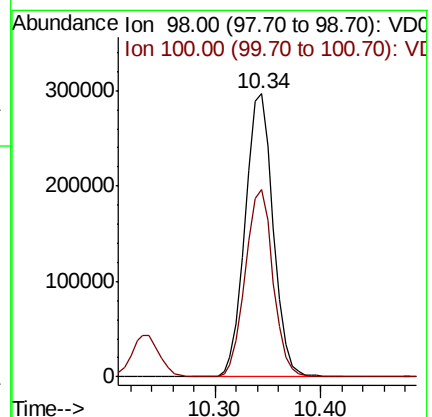
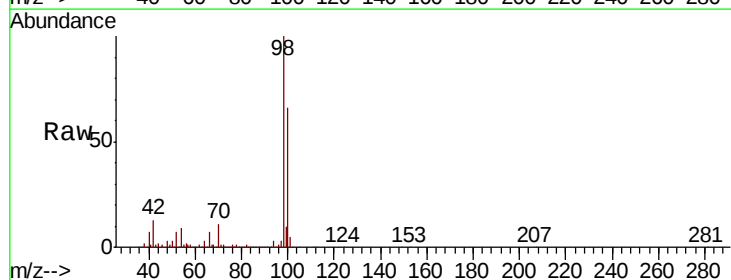


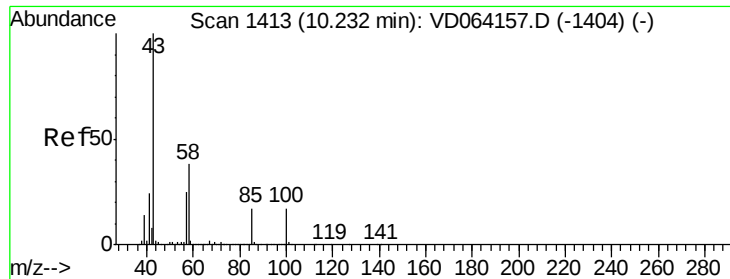
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#50
Toluene-d8
Concen: 18.356 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	78.8





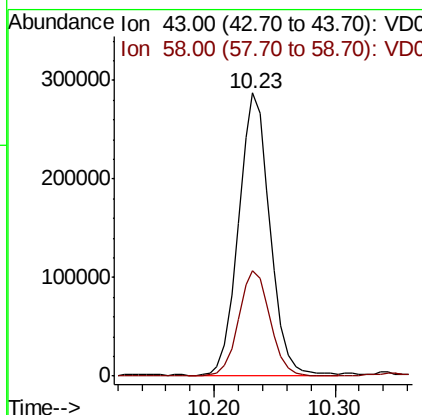
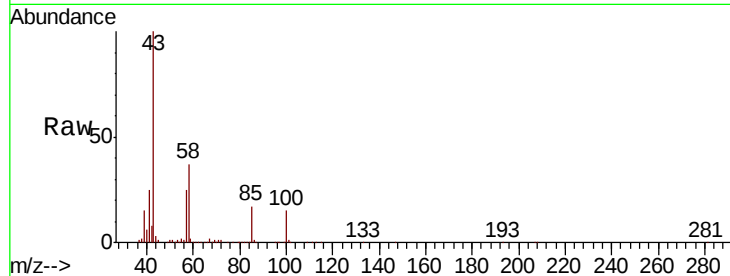
#51
4-Methyl-2-Pentanone
Concen: 128.557 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

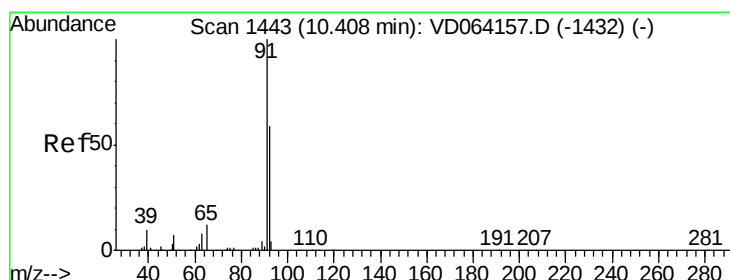
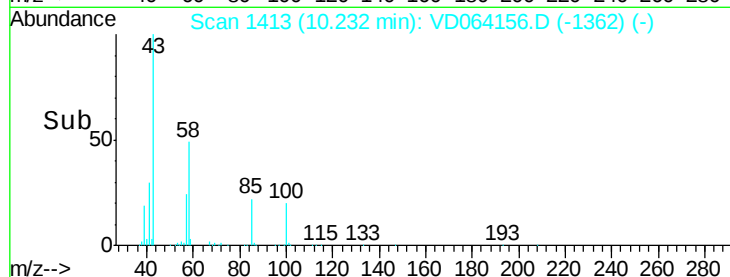
Tot Ion: 43 Resp: 514585
Ion Ratio Lower Upper
43 100
58 37.9 30.2 45.4

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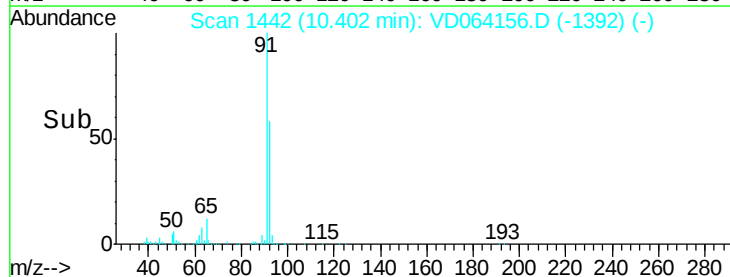
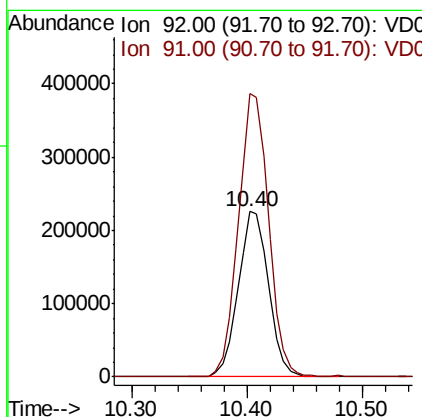
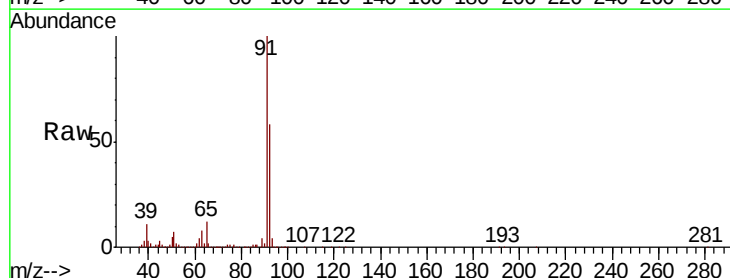


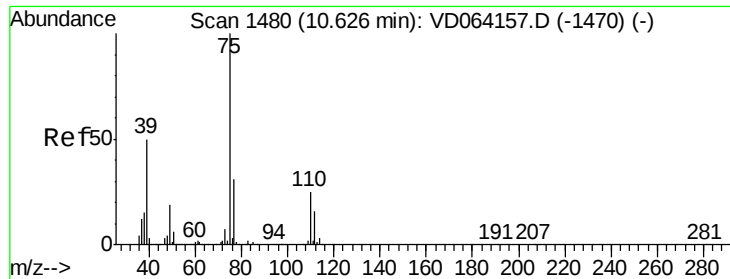
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#52
Toluene
Concen: 18.940 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion: 92 Resp: 409903
Ion Ratio Lower Upper
92 100
91 171.2 136.4 204.6





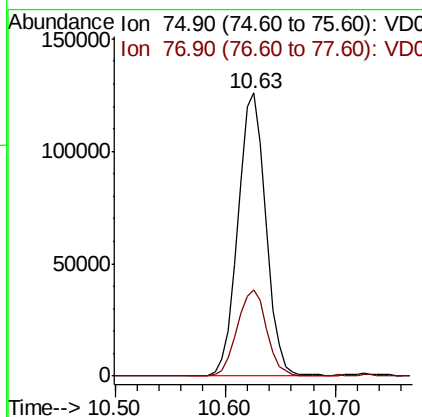
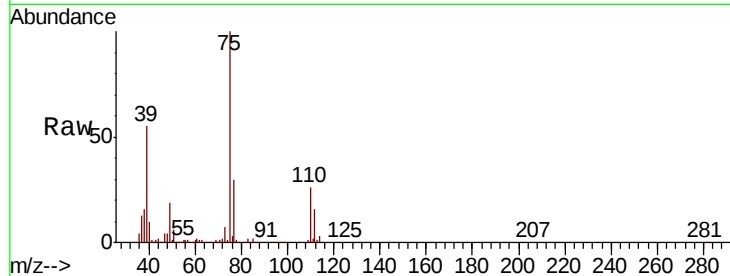
#53
t-1,3-Dichloropropene
Concen: 21.733 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

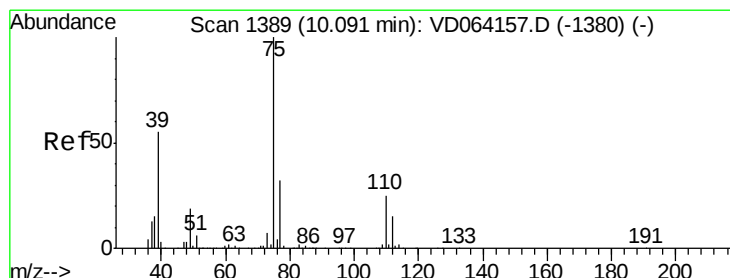
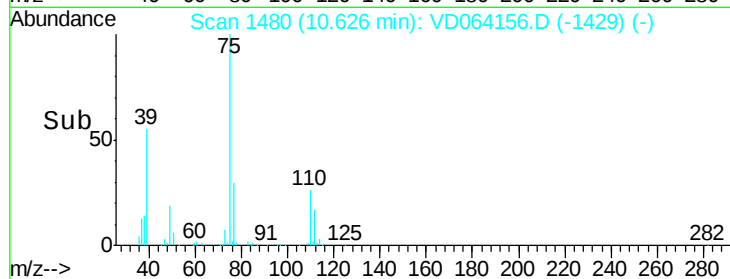
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.7	37.1

Manual Integrations
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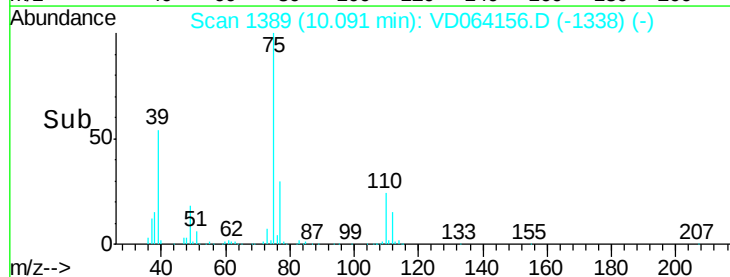
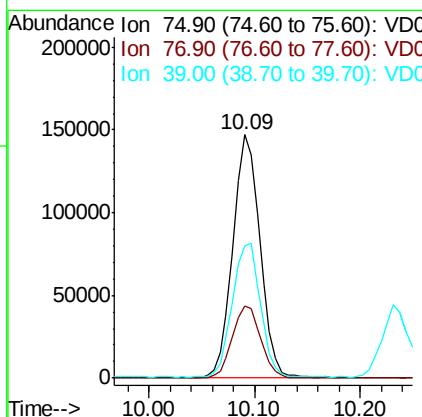
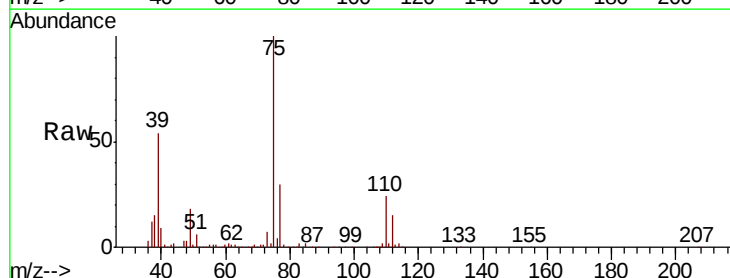


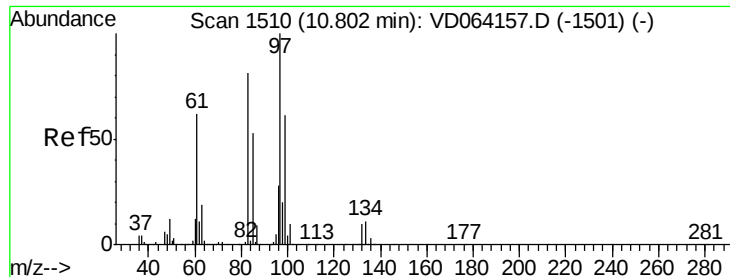
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#54
cis-1,3-Dichloropropene
Concen: 21.544 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.2	37.8
39	53.8	44.2	66.2





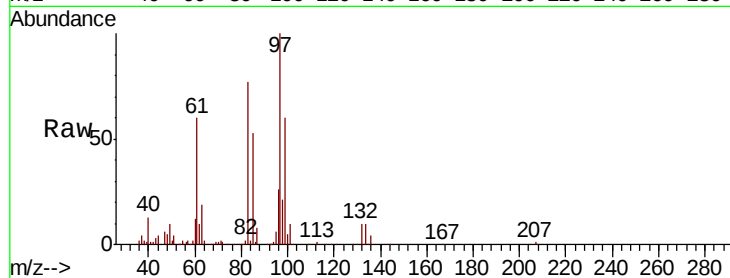
#55
 1,1,2-Trichloroethane
 Concen: 18.948 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	114726
Ion	Ratio	Lower	Upper
97	100		
83	77.0	65.1	97.7
85	52.3	42.0	63.0
99	60.5	48.9	73.3

Manual Integrations
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MMDadoda



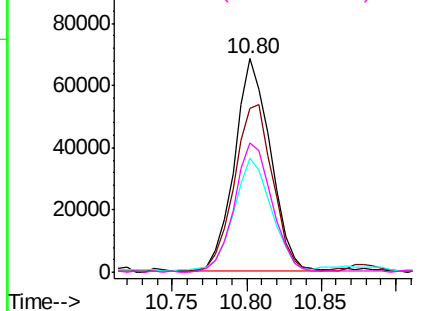
Abundance

Ion 96.90 (96.60 to 97.60): VDC

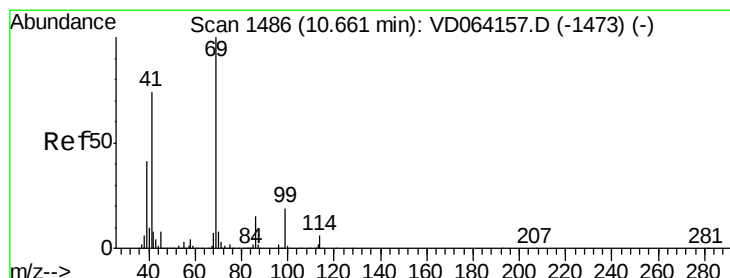
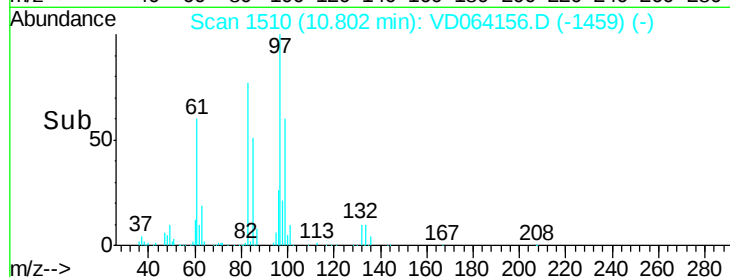
Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

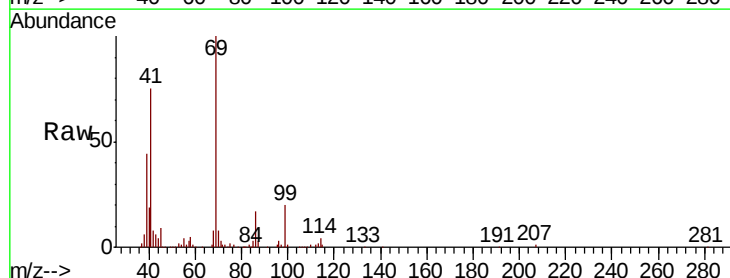


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#56
 Ethyl methacrylate
 Concen: 23.782 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Tgt Ion:	69	Resp:	162272
Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.9	86.9
39	37.0	29.0	43.4

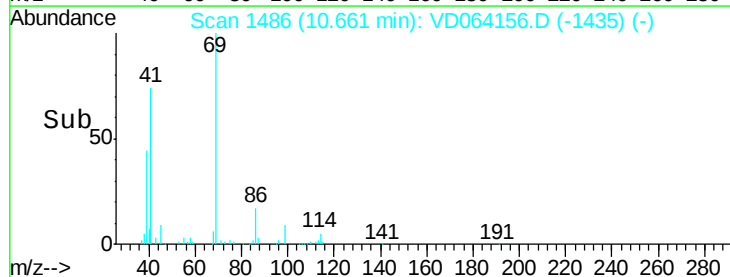
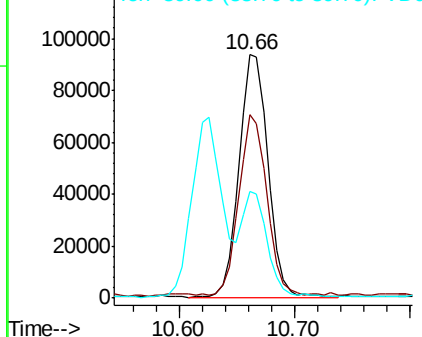


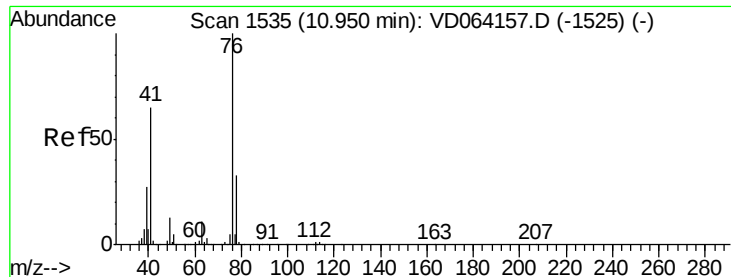
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.988 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 201901

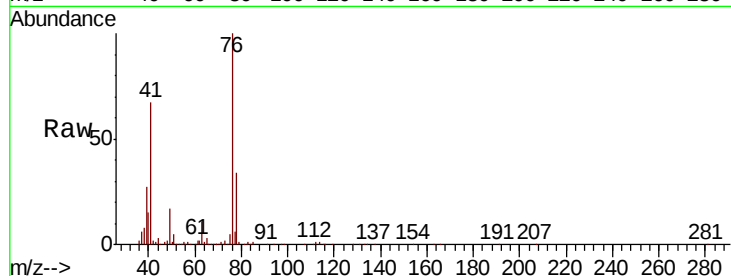
Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.4

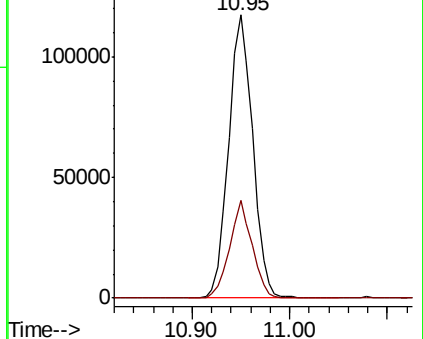
Manual Integrations
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MMDadoda

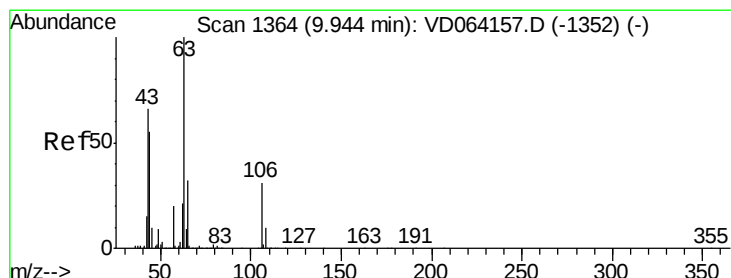
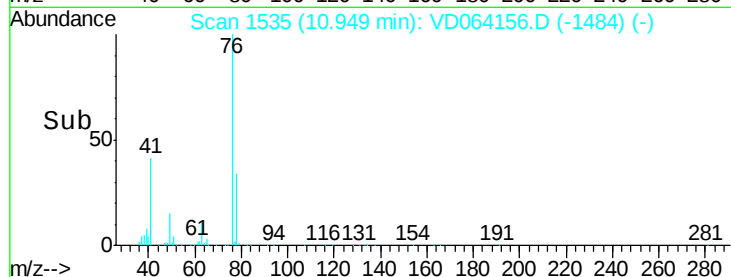


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



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#58

2-Chloroethyl Vinyl ether

Concen: 117.731 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064156.D

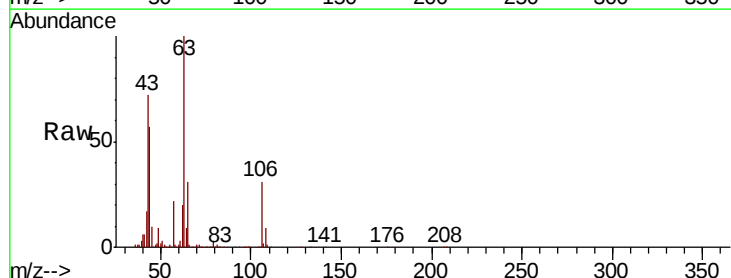
Acq: 08 Nov 2019 14:35

Tgt Ion: 63 Resp: 328057

Ion Ratio Lower Upper

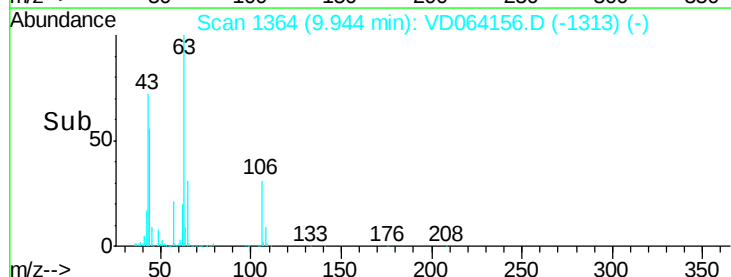
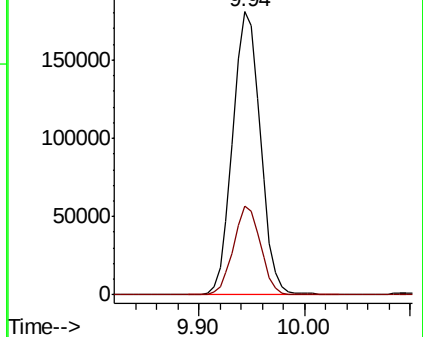
63 100

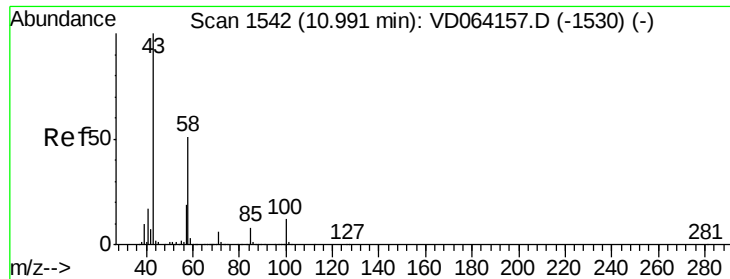
106 30.8 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC





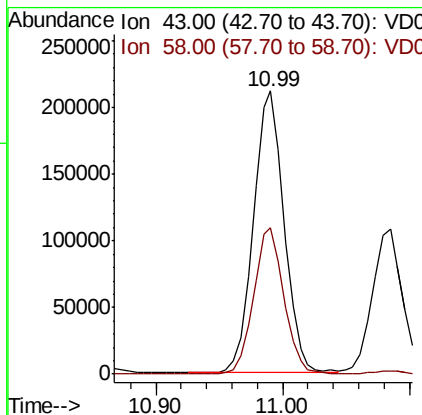
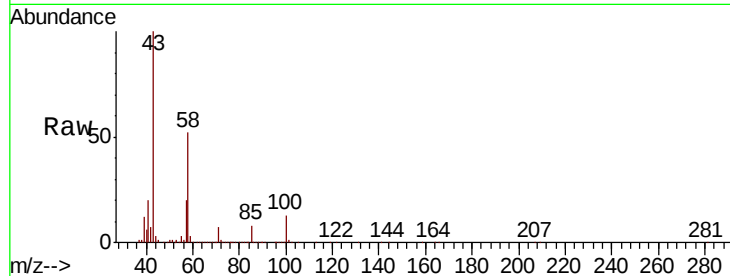
#59
2-Hexanone
Concen: 125.344 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

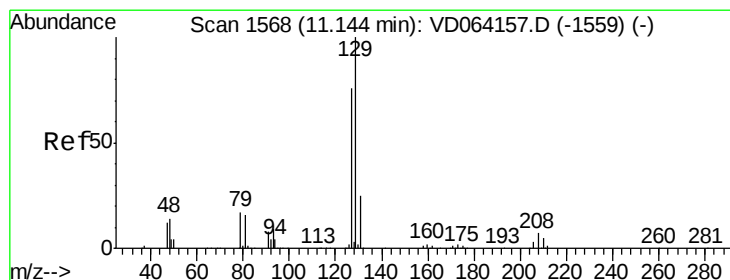
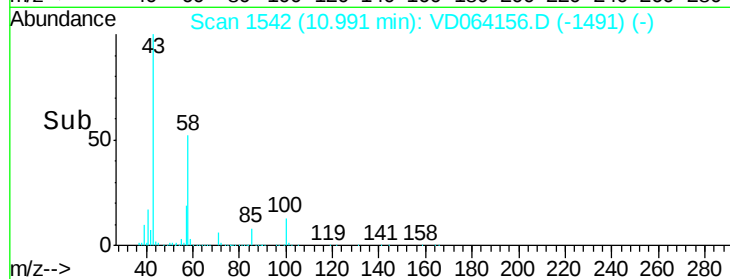
Tot Ion: 43 Resp: 355468
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

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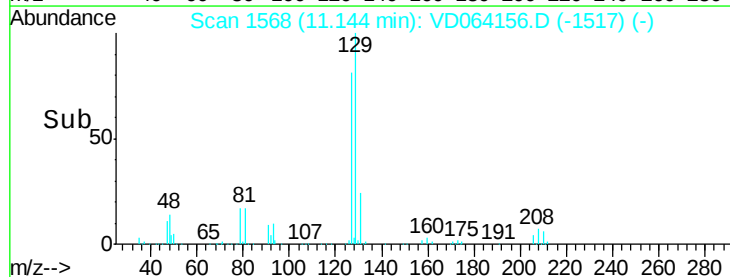
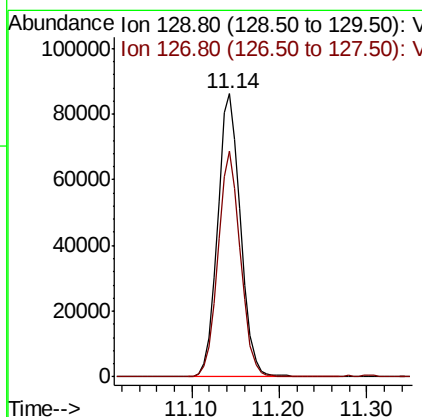
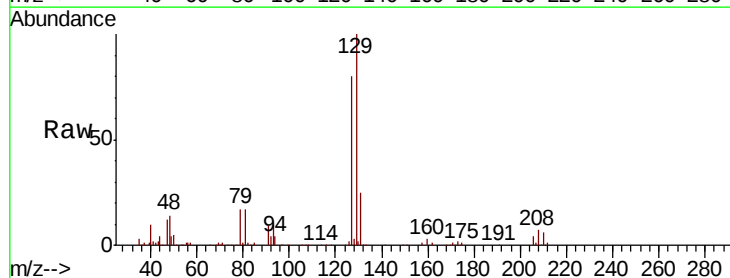


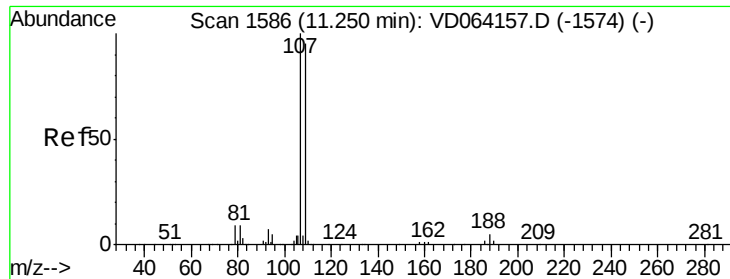
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#60
Dibromochloromethane
Concen: 18.980 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion: 129 Resp: 156356
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





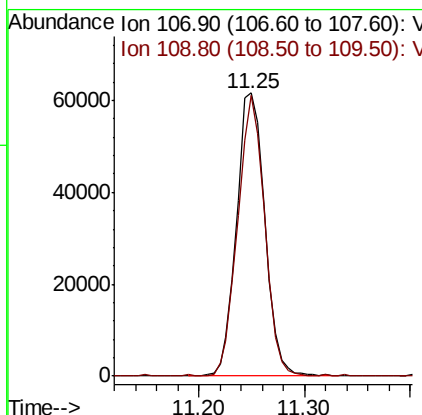
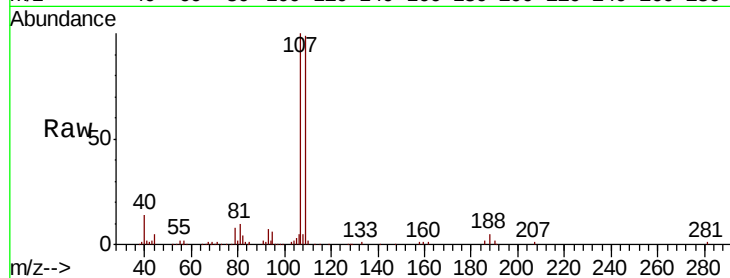
#61
 1,2-Dibromoethane
 Concen: 18.944 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

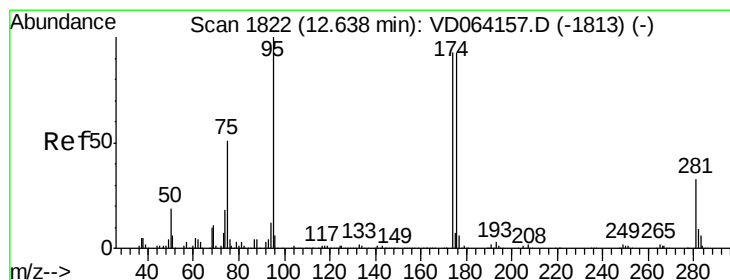
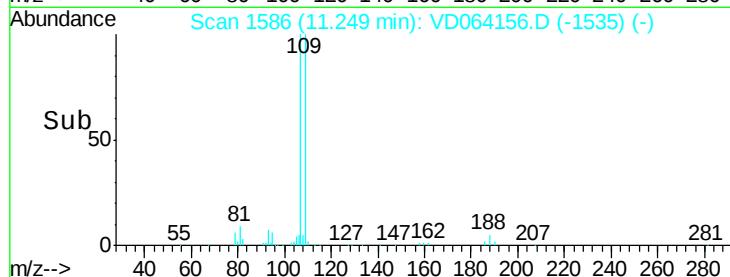
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.1	112.7

Manual Integrations
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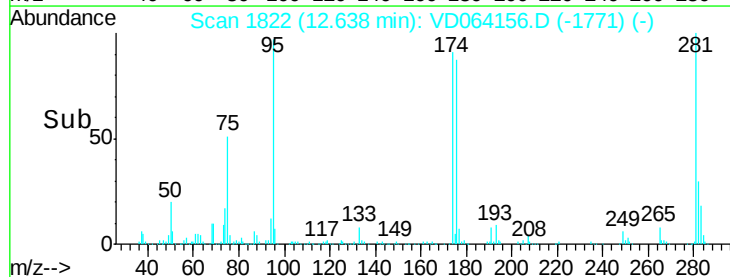
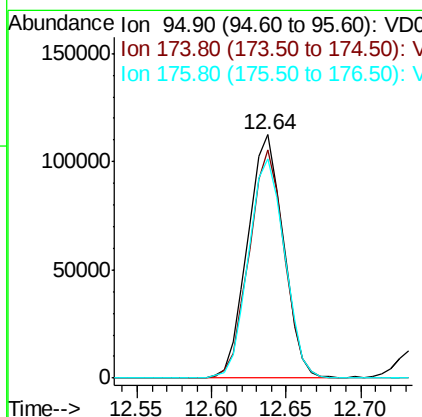
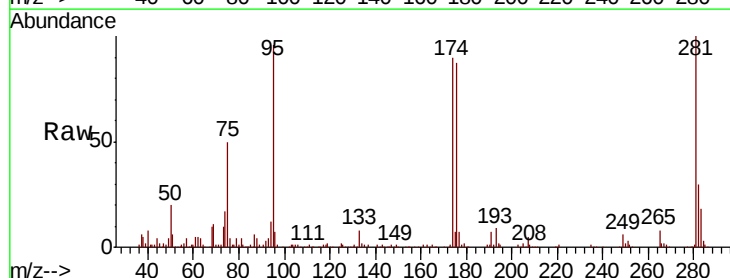


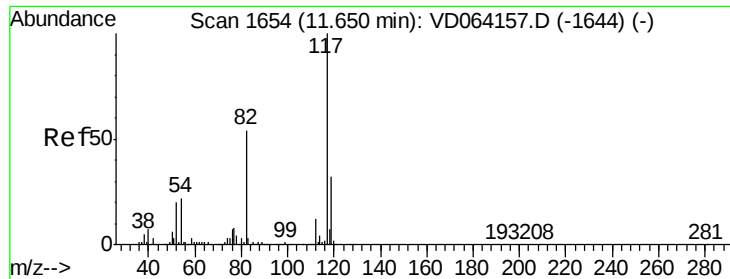
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#62
 4-Bromofluorobenzene
 Concen: 18.881 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	183.6
176	90.7	0.0	180.2





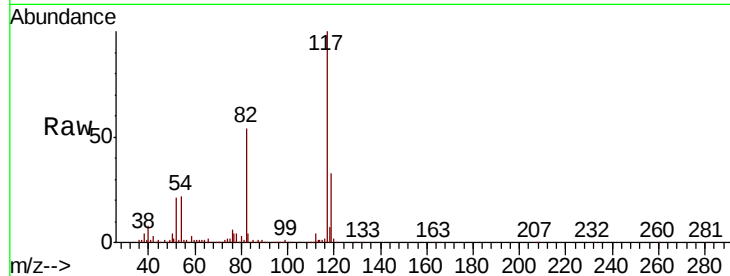
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.8	64.2
119	32.8	25.6	38.4

Manual Integrations
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MMDadoda

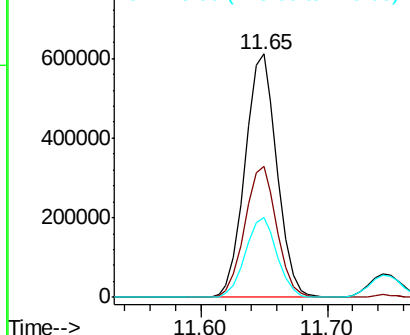


Abundance

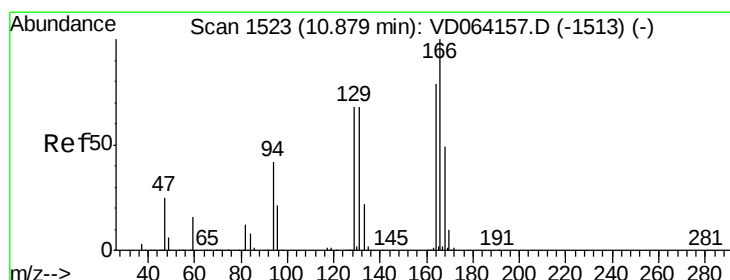
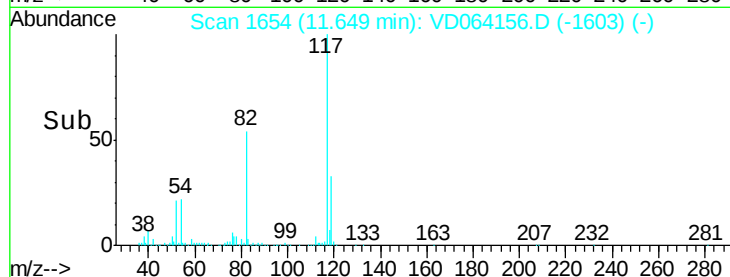
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



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#64
Tetrachloroethene
Concen: 20.834 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	100.8	151.2
129	84.2	68.7	103.1
131	84.8	68.1	102.1

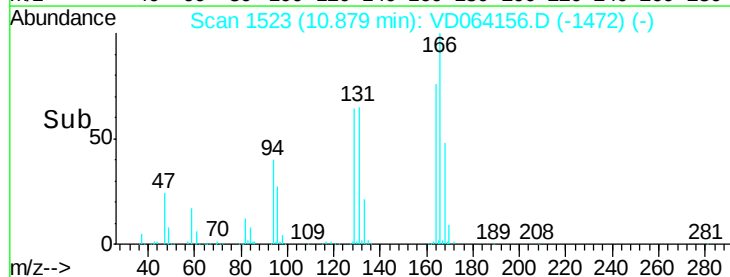
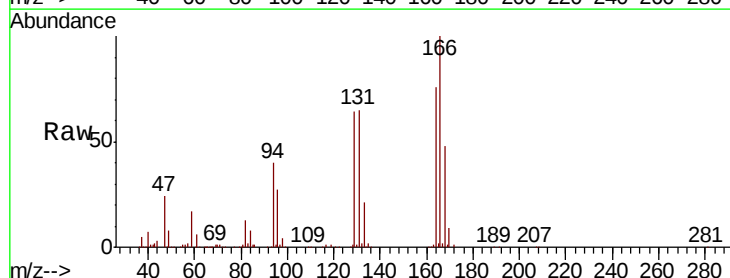
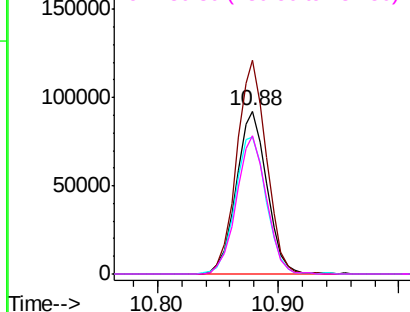
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





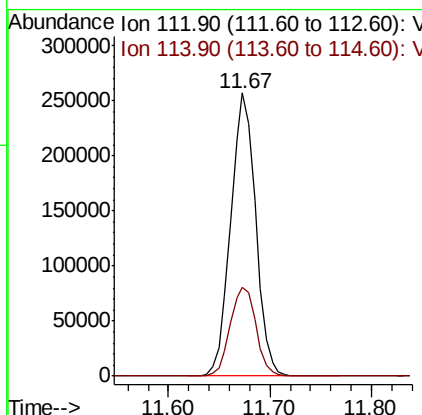
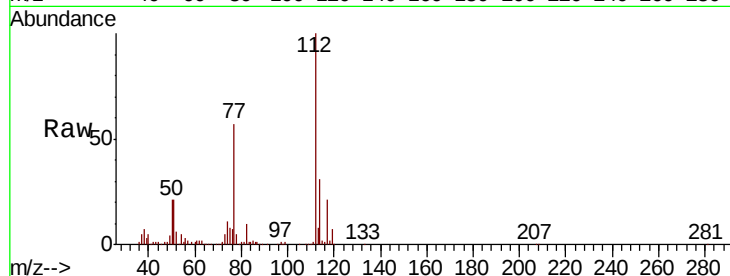
#65
Chlorobenzene
Concen: 19.920 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

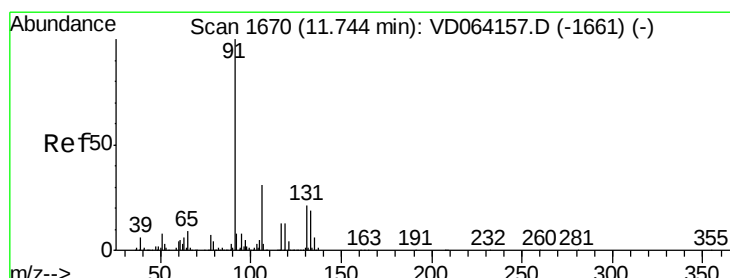
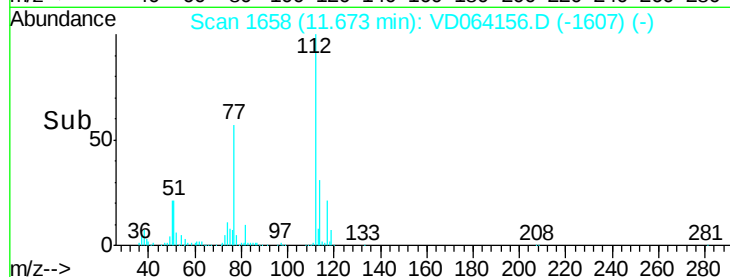
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.2	37.8

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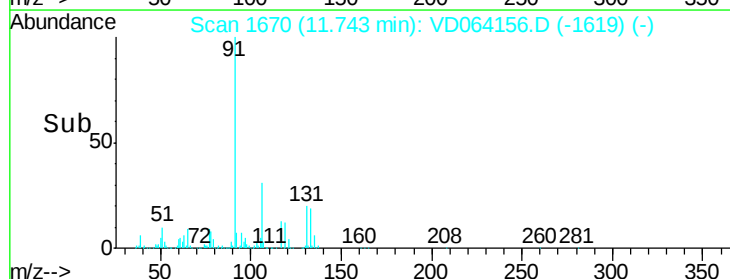
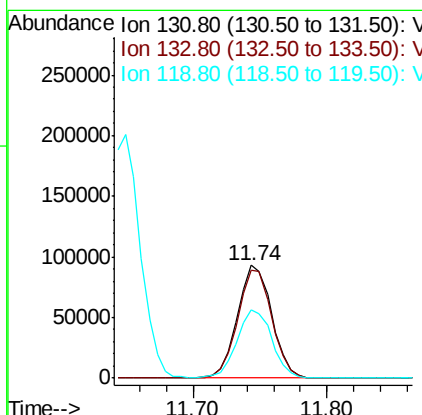
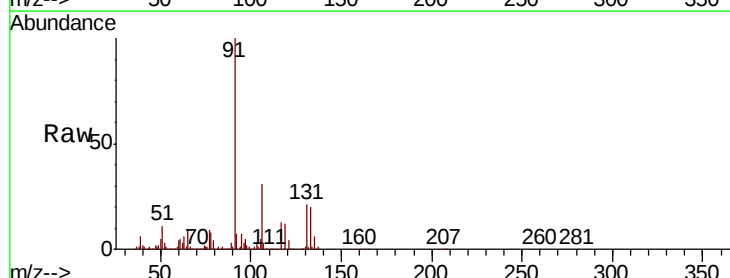


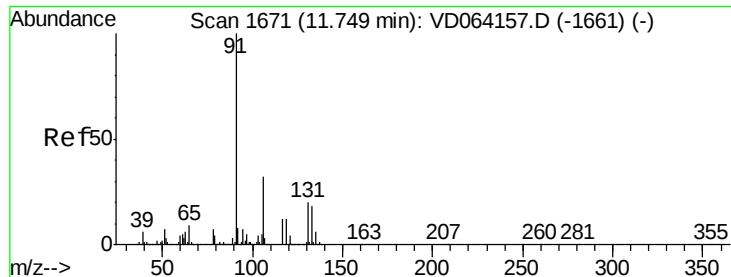
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.985 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	141.9
119	61.9	31.1	93.3





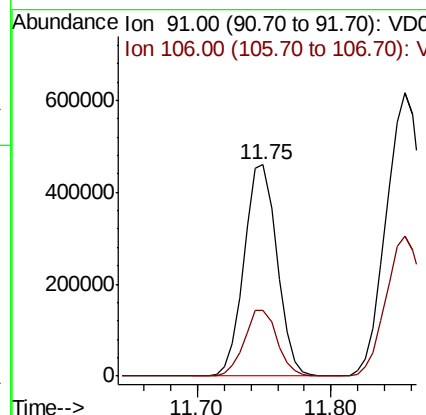
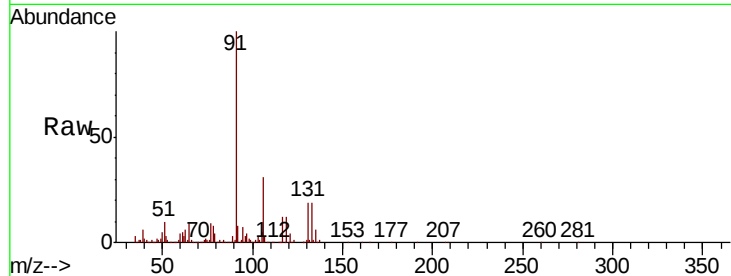
#67
Ethyl Benzene
Concen: 19.959 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

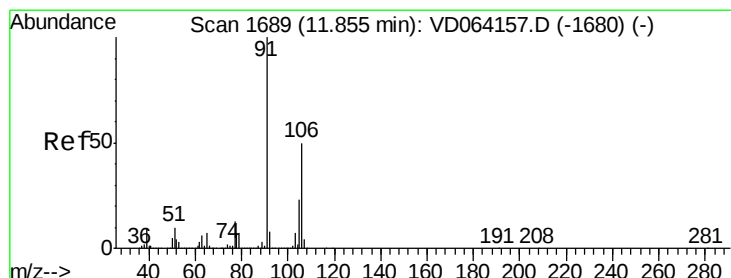
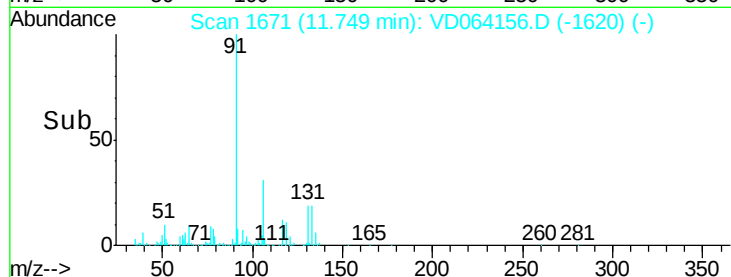
Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.5	38.3

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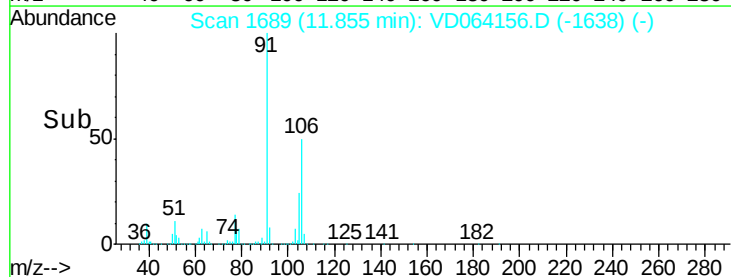
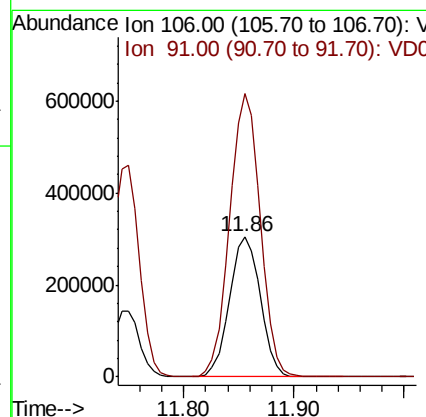
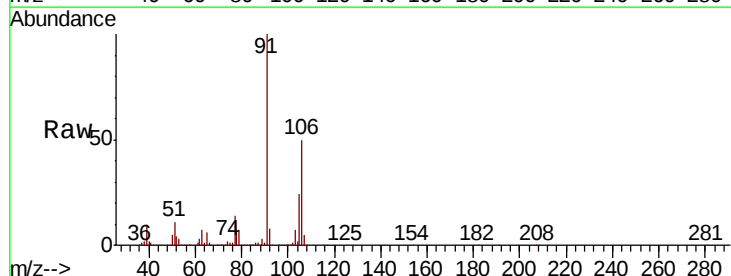


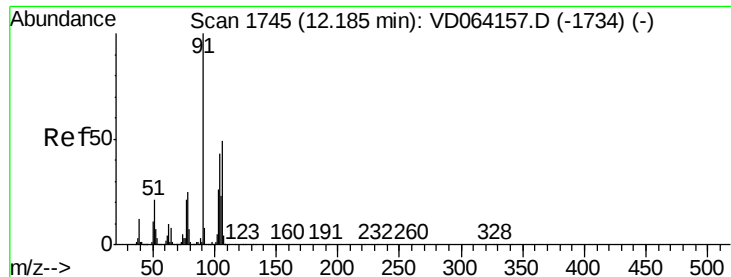
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#68
m/p-Xylenes
Concen: 38.157 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.5	160.3	240.5





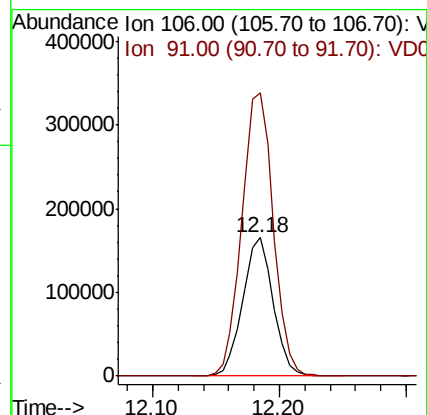
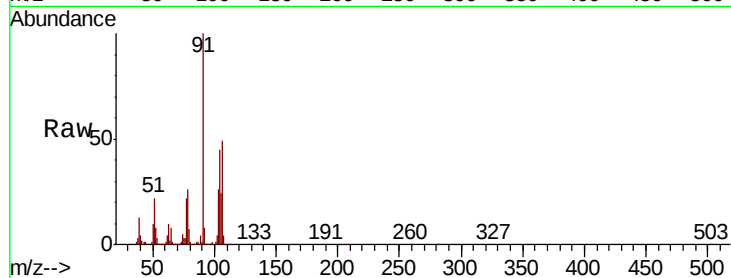
#69
o-Xylene
Concen: 19.211 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

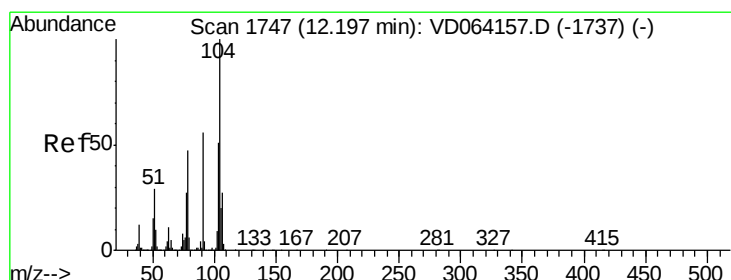
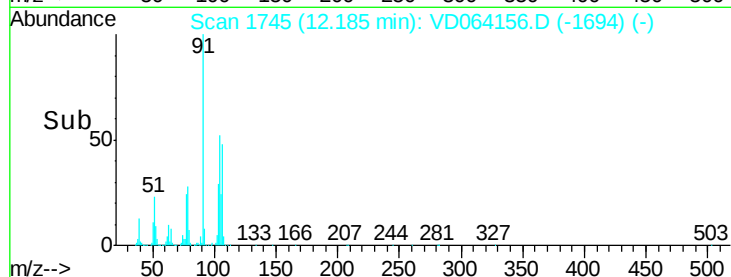
Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	105.1	315.3

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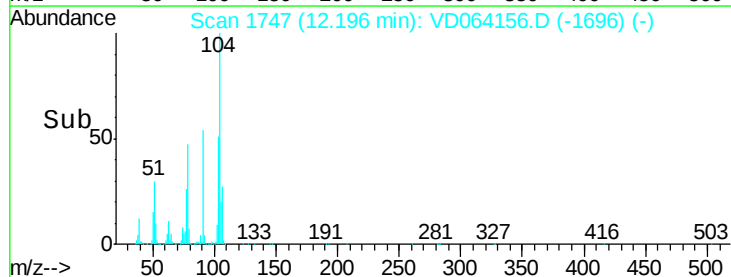
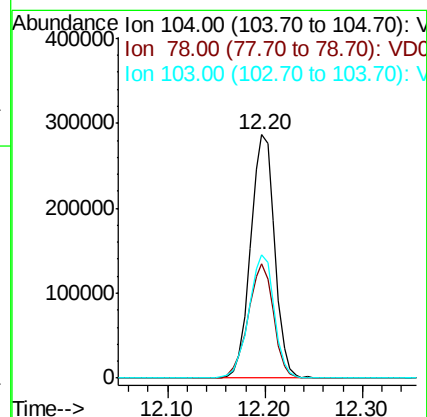
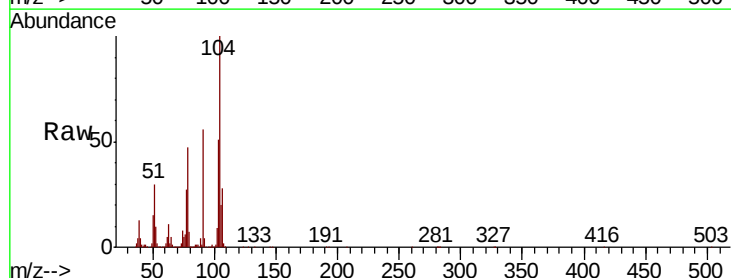


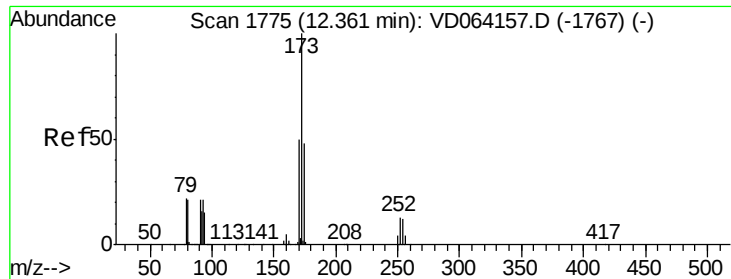
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#70
Styrene
Concen: 20.048 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.5	39.9	59.9
103	53.5	43.4	65.0





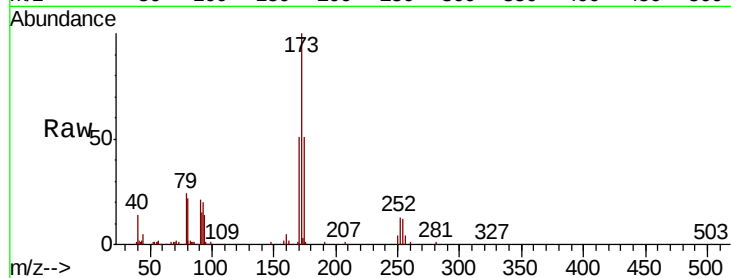
#71
Bromoform
Concen: 21.635 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

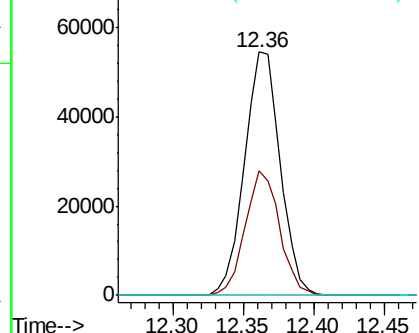
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.3
254	0.1	0.2	0.2

Manual Integrations
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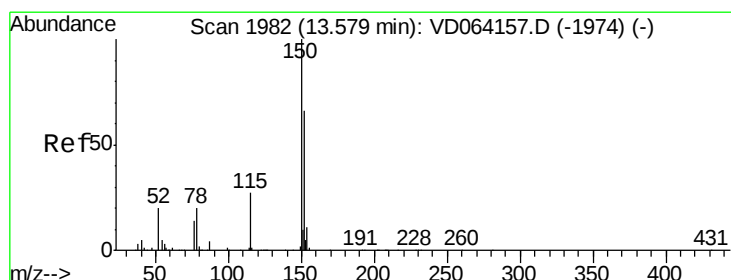
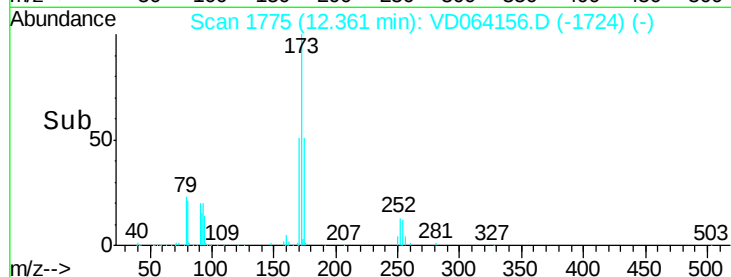
MMDadoda



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

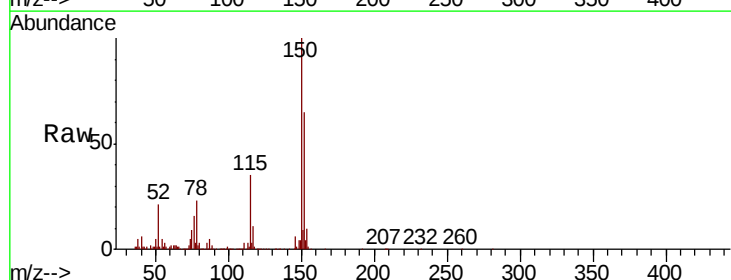


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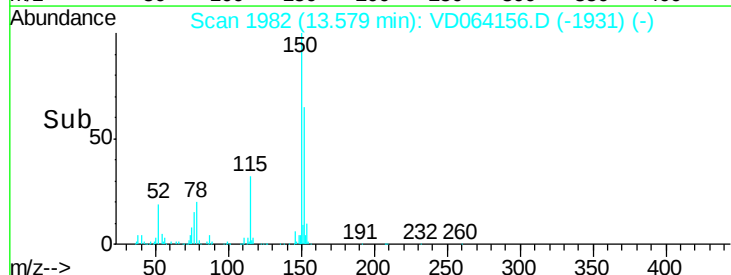
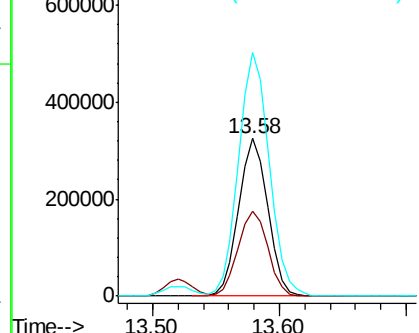


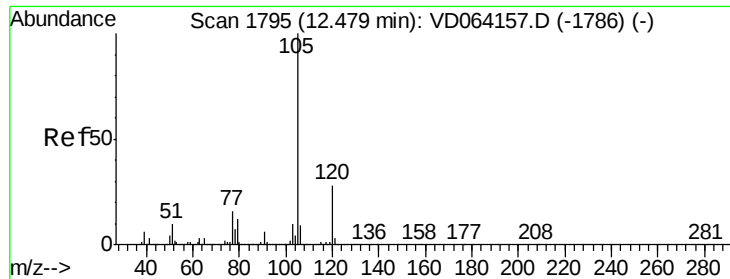
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.4	82.2
150	163.2	0.0	351.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





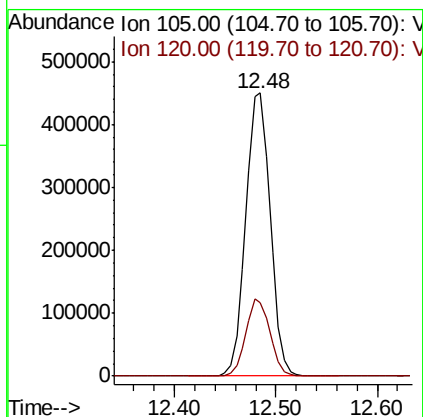
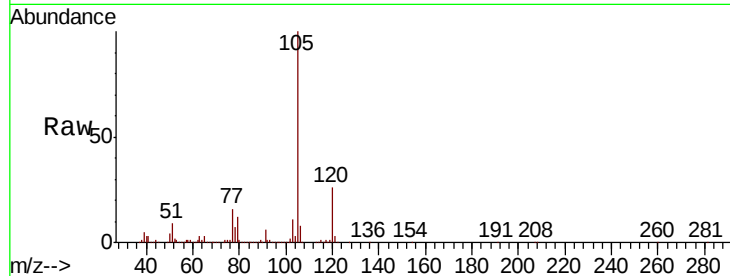
#73
Isopropylbenzene
Concen: 20.647 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

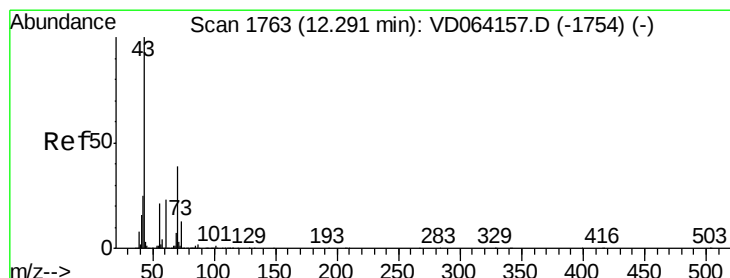
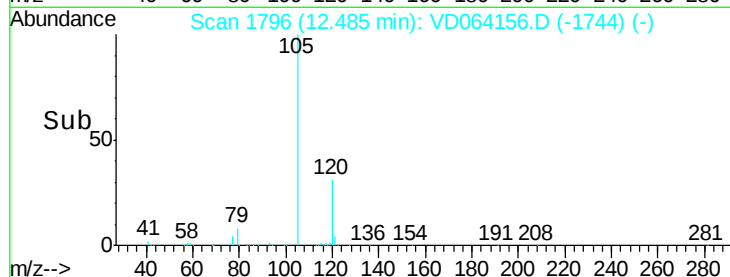
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.6	40.8

Manual Integrations
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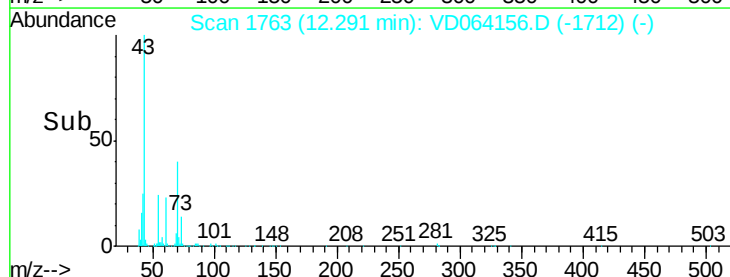
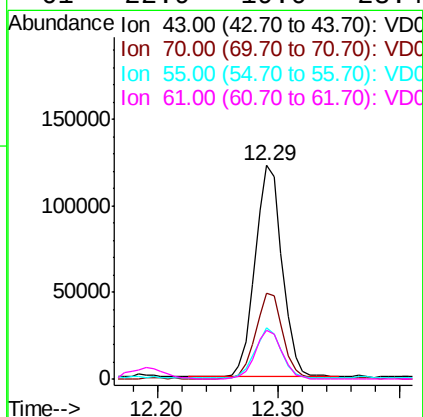
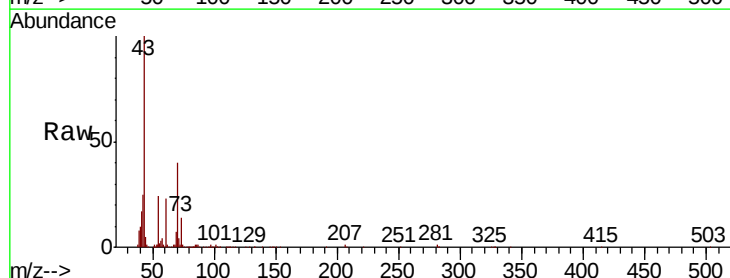


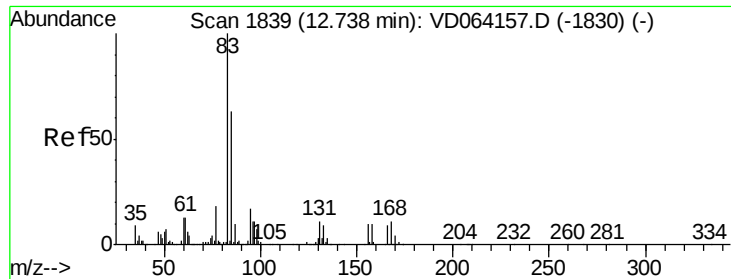
11/13/2019 11:06:43 AM



#74
N-ethyl acetate
Concen: 29.482 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.4	48.6
55	22.8	17.9	26.9
61	22.9	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.689 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

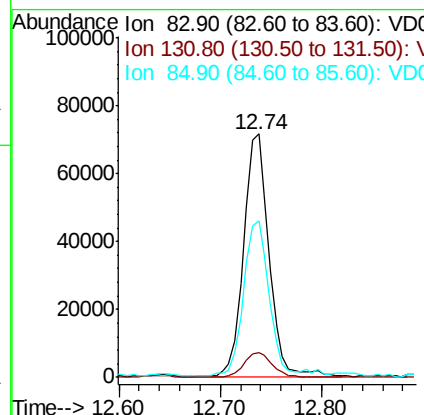
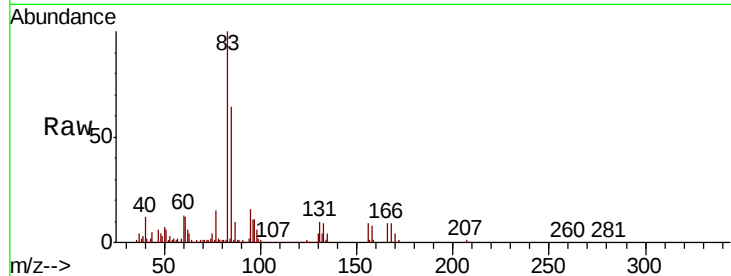
ClientSampleId :

VSTDIC020

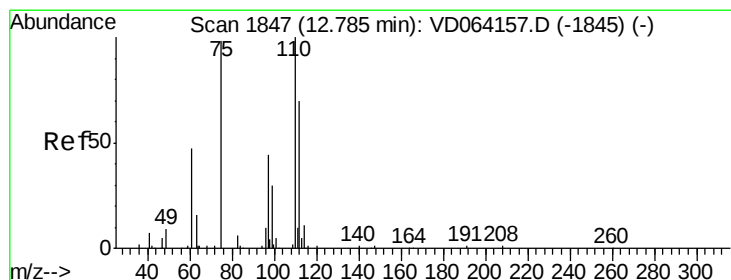
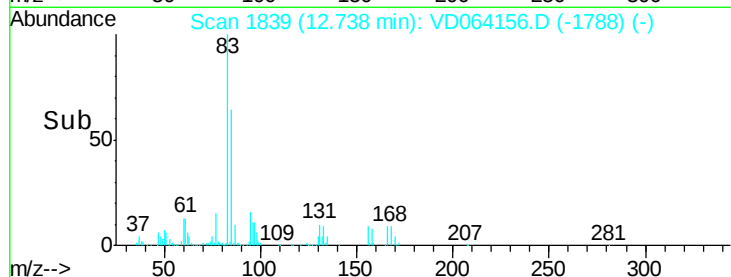
Tot Ion:	83	Resp:	124174
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.9	17.7
85	63.8	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 26.886 ug/l m

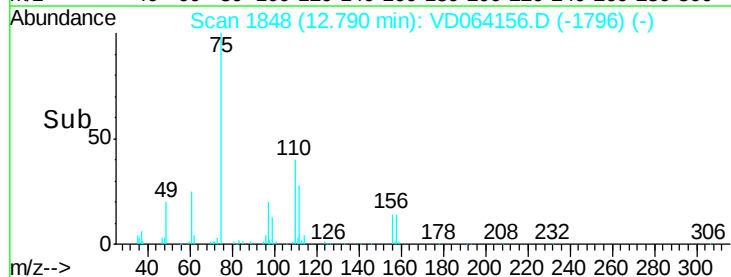
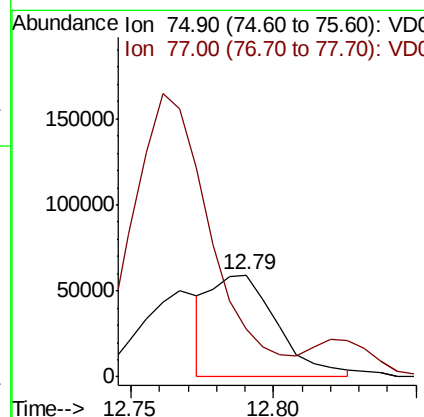
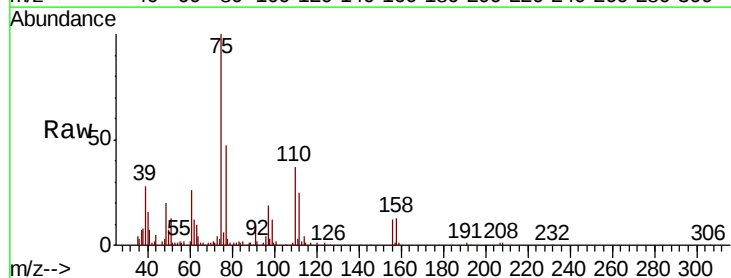
RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Tgt Ion:	75	Resp:	96211
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.887 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

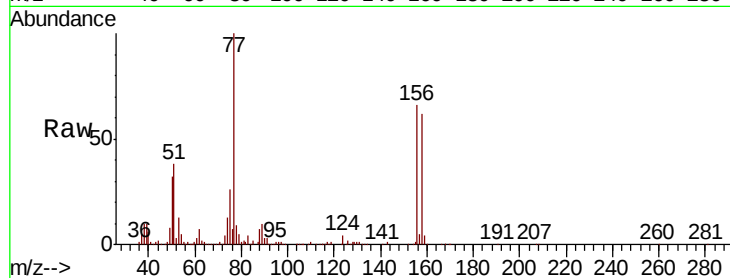
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.0	81.2	243.4
158	96.0	48.4	145.2

Manual Integrations
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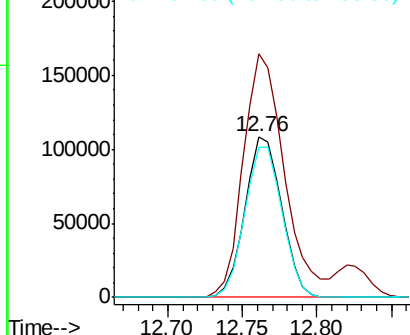
MMDadoda



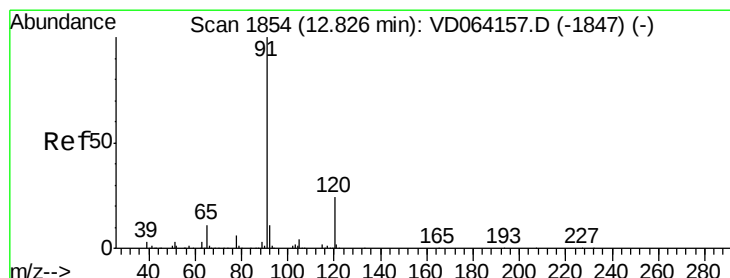
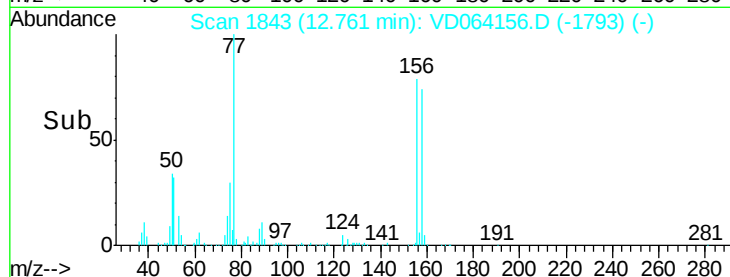
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 20.038 ug/l

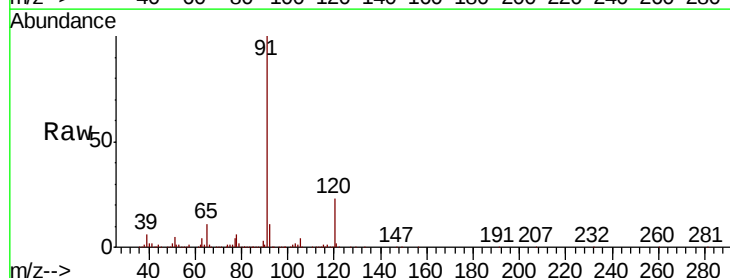
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064156.D

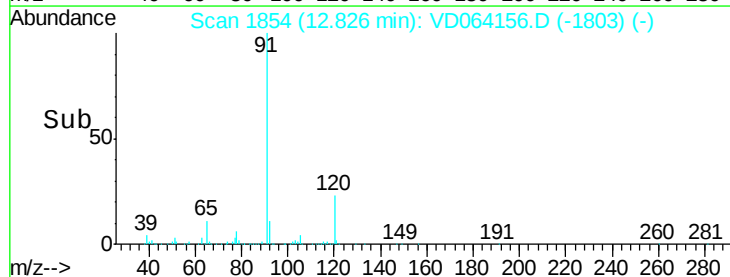
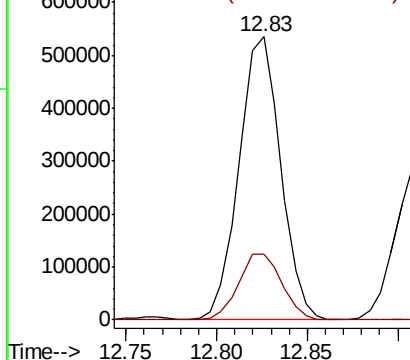
Acq: 08 Nov 2019 14:35

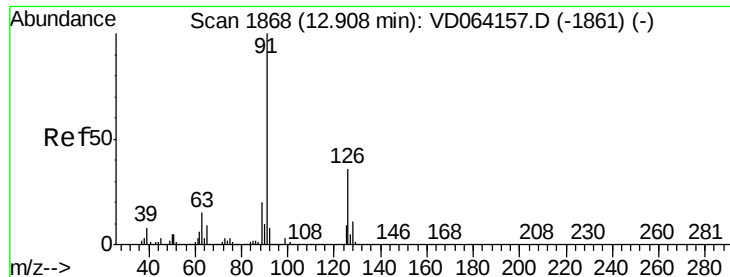
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





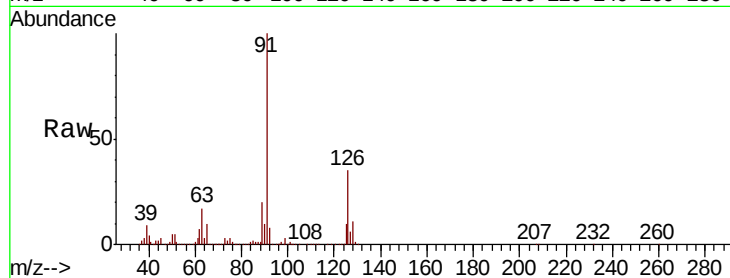
#79
2-Chlorotoluene
Concen: 21.219 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

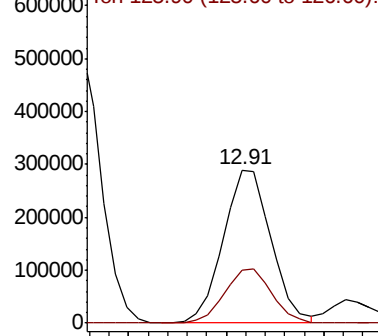
Tot Ion: 91 Resp: 489990
Ion Ratio Lower Upper
91 100
126 35.3 17.7 53.1

Manual Integrations
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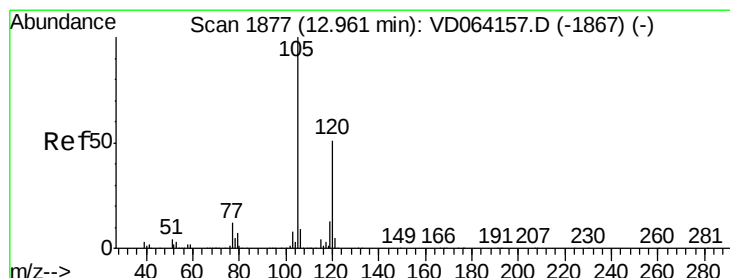
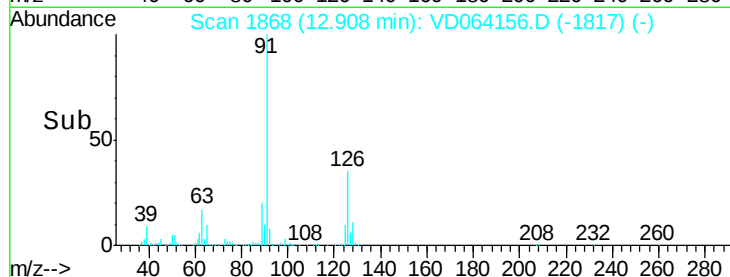
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Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

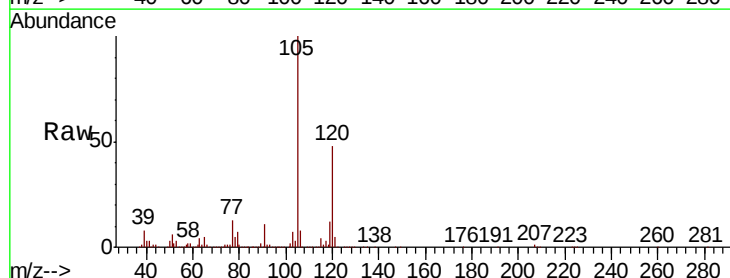


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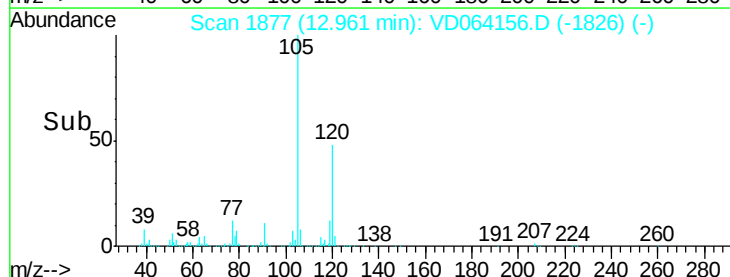
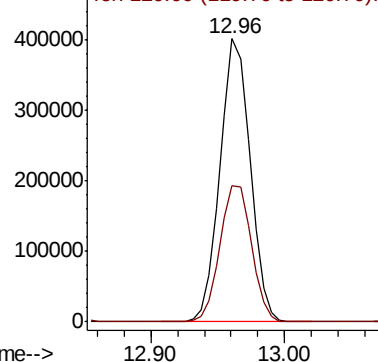


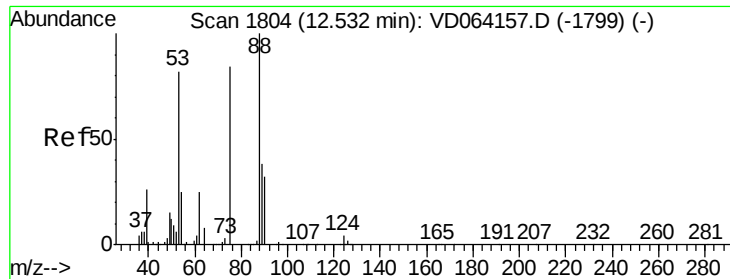
#80
1,3,5-Trimethylbenzene
Concen: 20.547 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion: 105 Resp: 624021
Ion Ratio Lower Upper
105 100
120 50.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





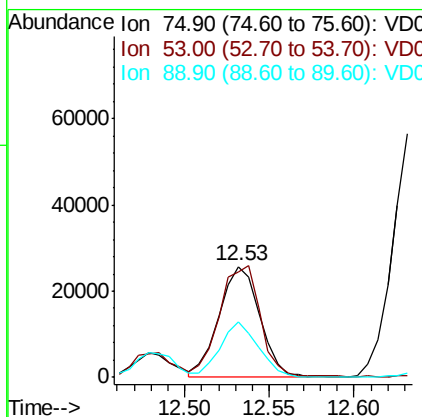
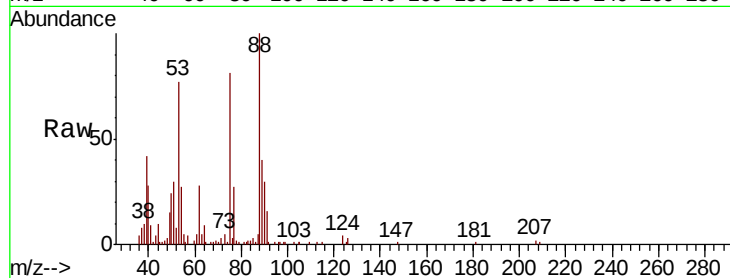
#81
trans-1,4-Dichloro-2-butene
Concen: 24.433 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

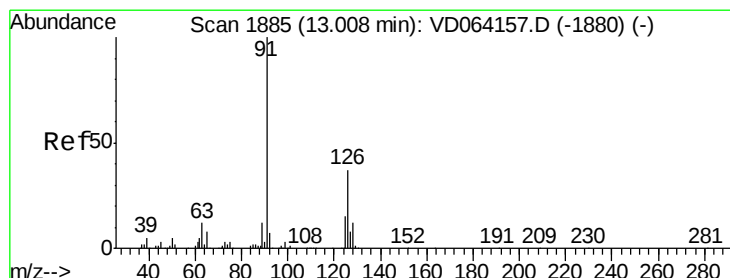
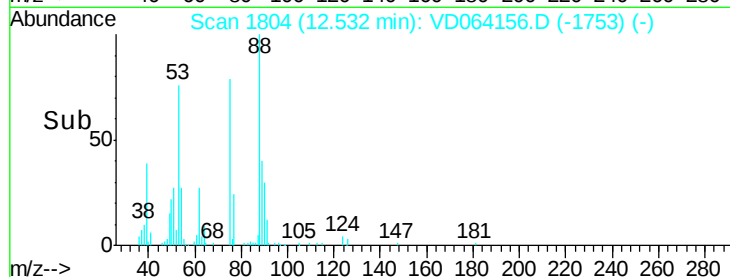
Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	79.4	119.0
89	45.9	36.6	55.0

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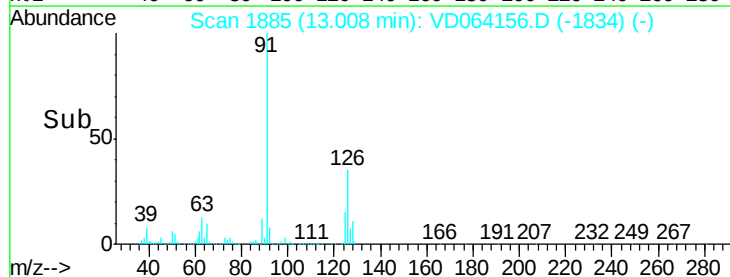
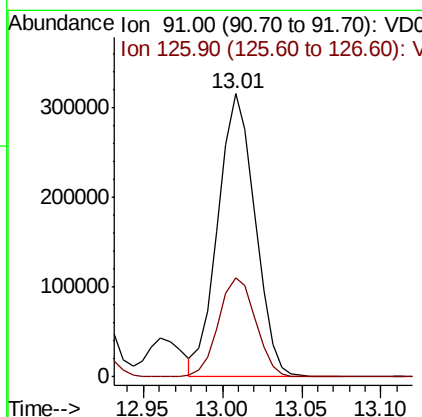
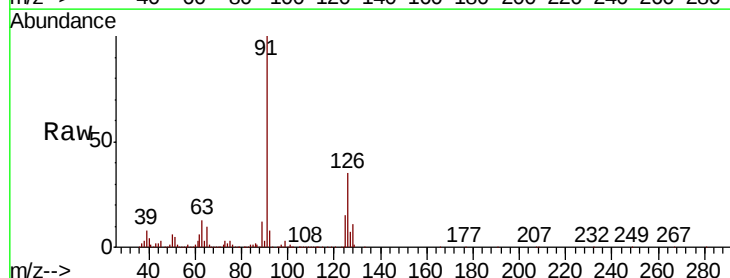


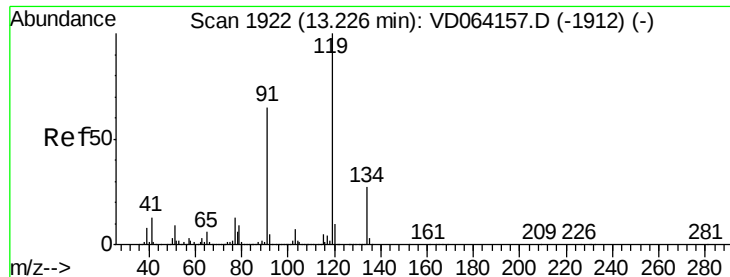
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#82
4-Chlorotoluene
Concen: 20.883 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.4





#83

tert-Butylbenzene

Concen: 19.913 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

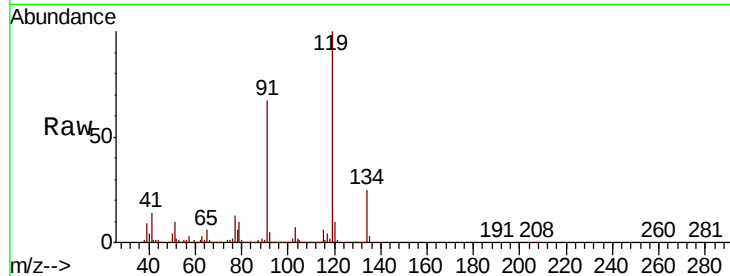
ClientSampleId :

VSTDIC020

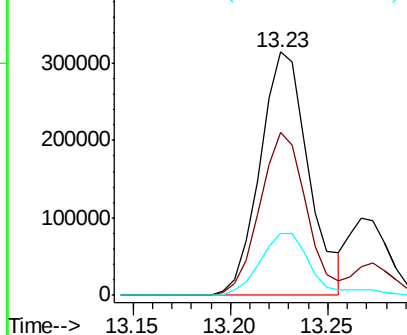
Tot Ion:	119	Resp:	541772
Ion Ratio	Lower	Upper	
119	100		
91	63.9	31.8	95.4
134	27.3	13.7	41.0

Manual Integrations
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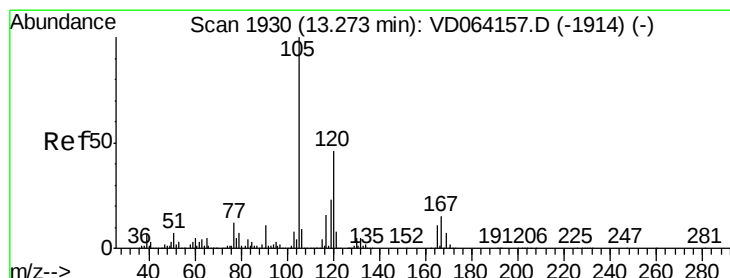
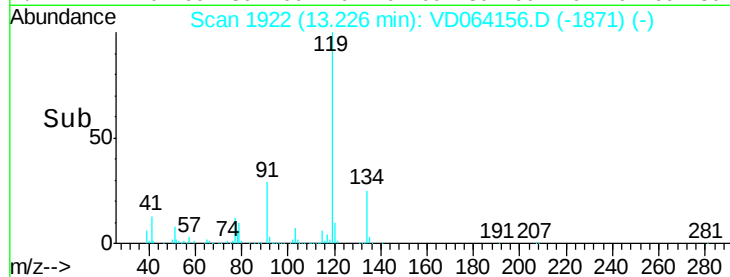
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



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#84

1,2,4-Trimethylbenzene

Concen: 20.279 ug/l

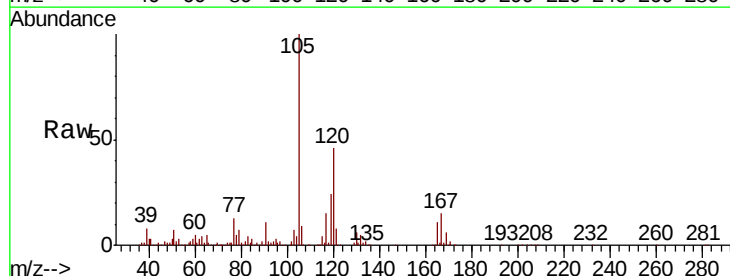
RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

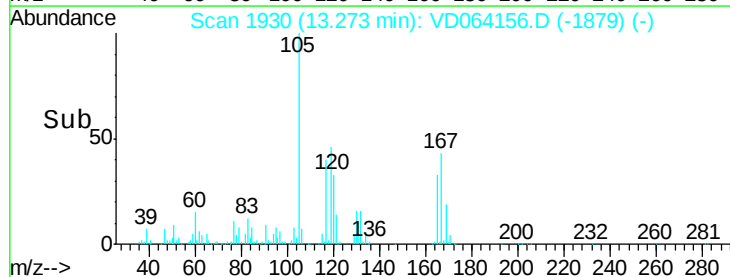
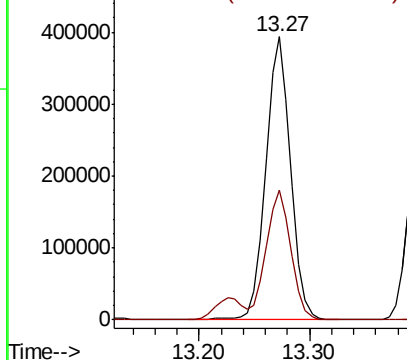
Lab File: VD064156.D

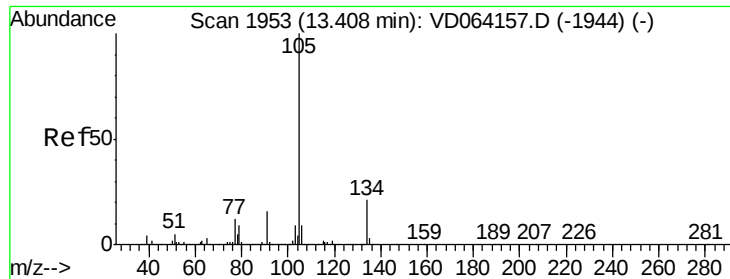
Acq: 08 Nov 2019 14:35

Tgt Ion:	105	Resp:	617158
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.3	69.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.594 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 727257

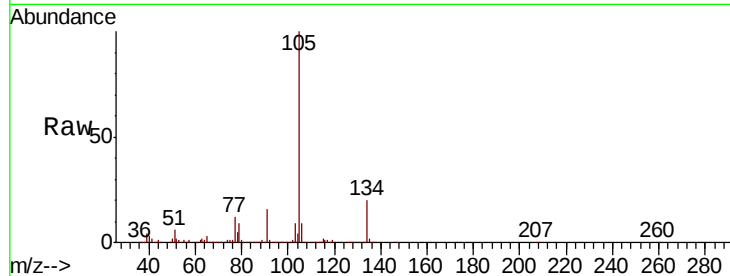
Ion Ratio Lower Upper

105 100

134 20.9 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

300000

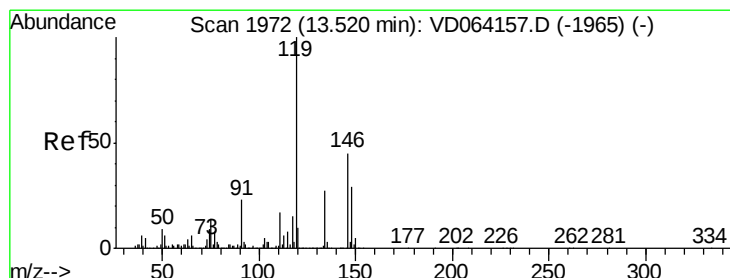
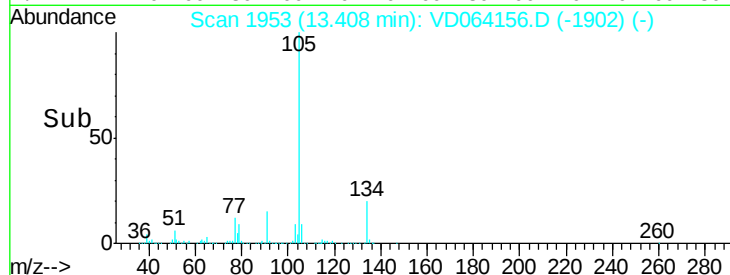
200000

100000

0

Time--> 13.30 13.40 13.50

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#86

p-Isopropyltoluene

Concen: 19.826 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

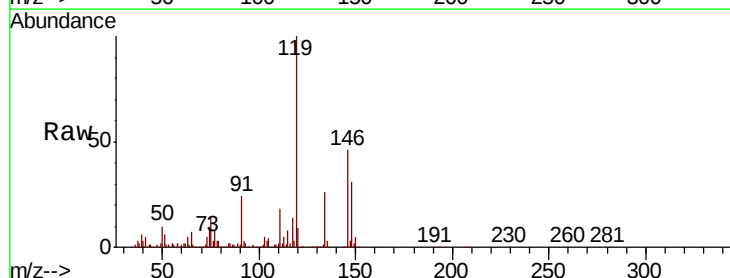
Tgt Ion:119 Resp: 690844

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.6 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

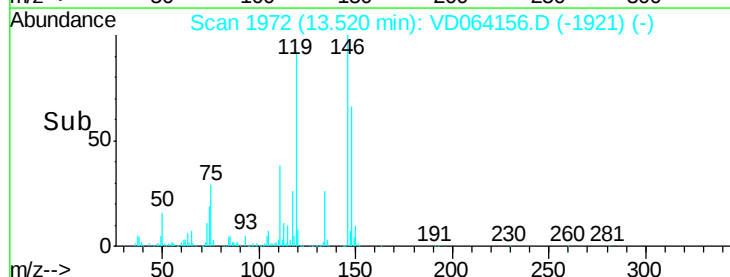
300000

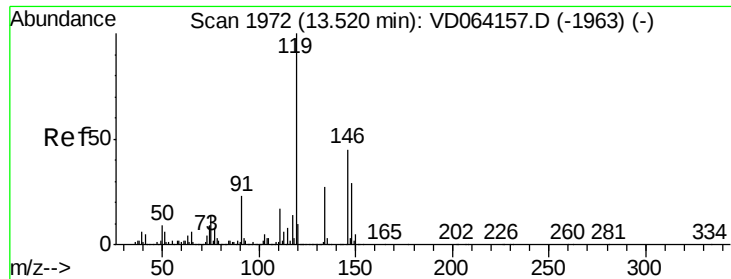
200000

100000

0

Time--> 13.45 13.50 13.55





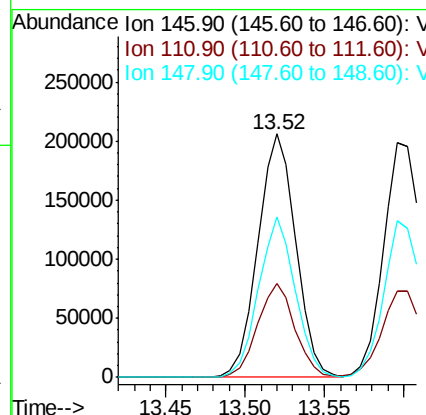
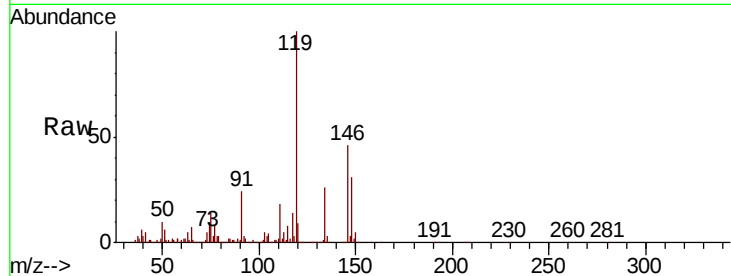
#87
 1,3-Dichlorobenzene
 Concen: 19.684 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

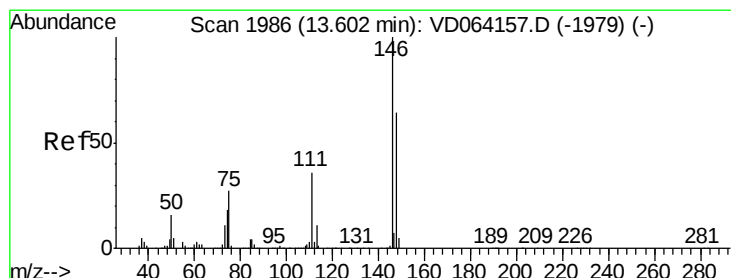
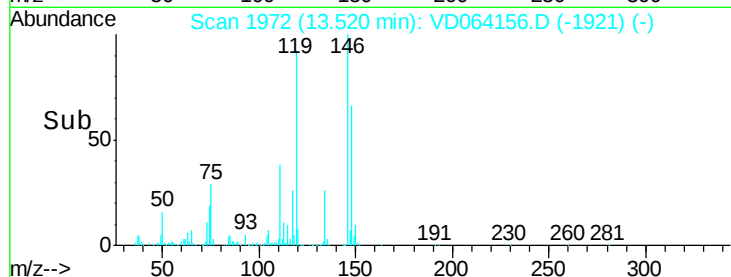
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	64.0	32.1	96.5

Manual Integrations
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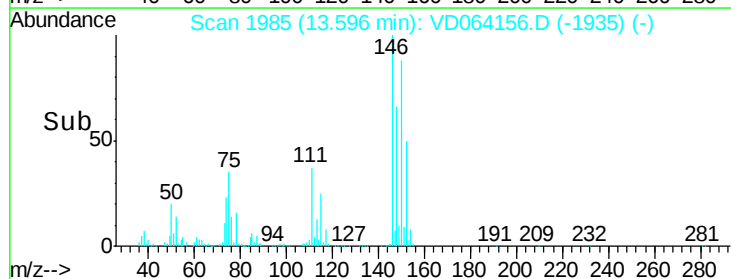
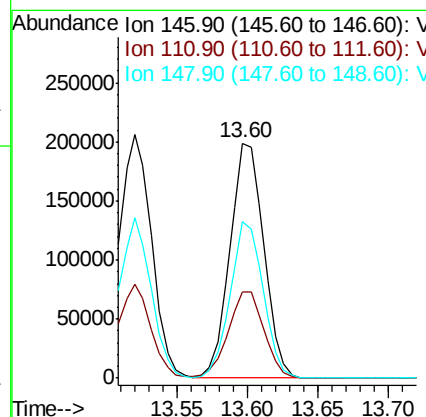
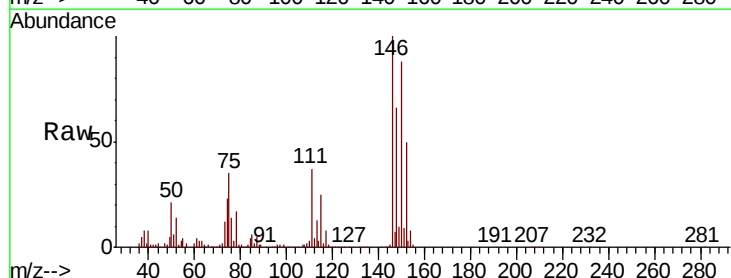


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#88
 1,4-Dichlorobenzene
 Concen: 19.335 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.1	54.4
148	64.7	31.9	95.7





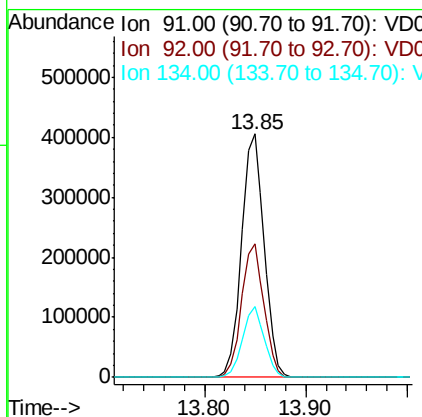
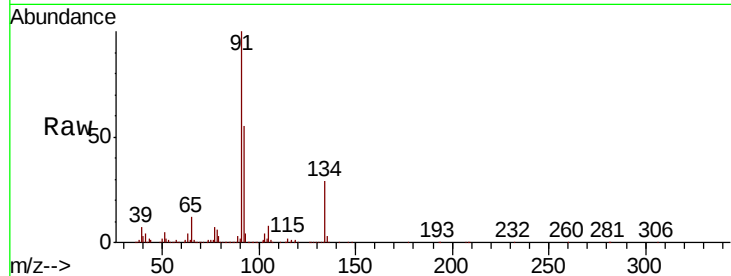
#89
n-Butylbenzene
Concen: 19.491 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

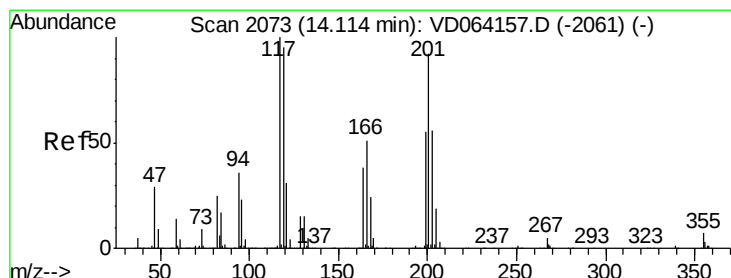
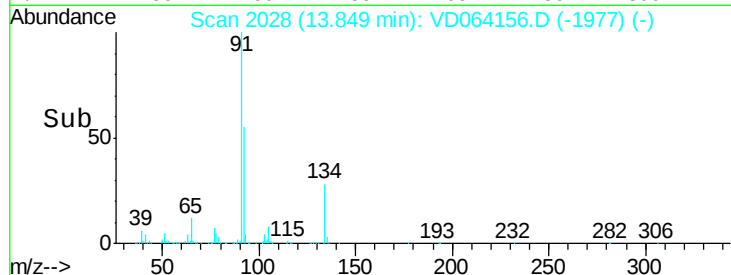
Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		625069		
92	54.3	27.3		81.8	
134	27.9	14.1		42.4	

Manual Integrations
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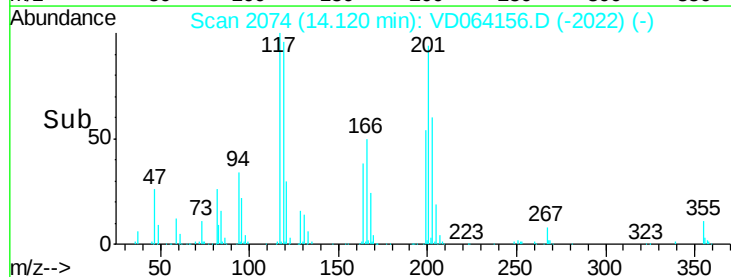
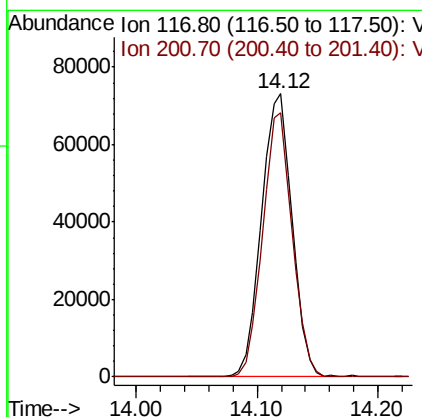
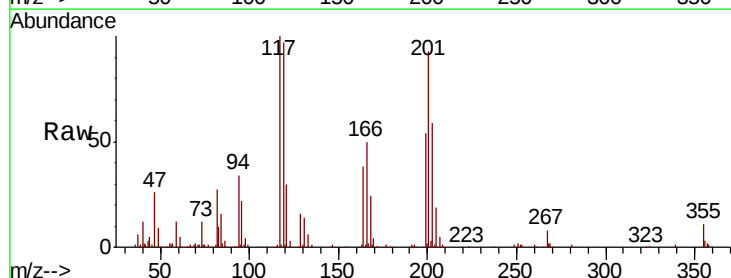


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#90
Hexachloroethane
Concen: 19.631 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		128679		
201	89.8	45.8		137.4	





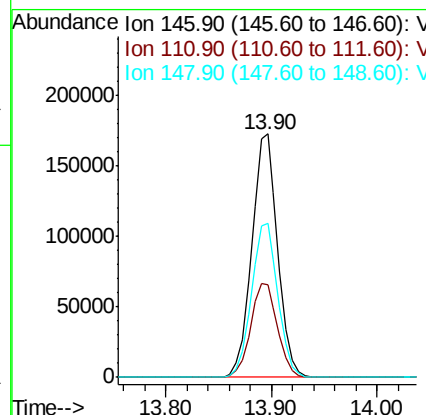
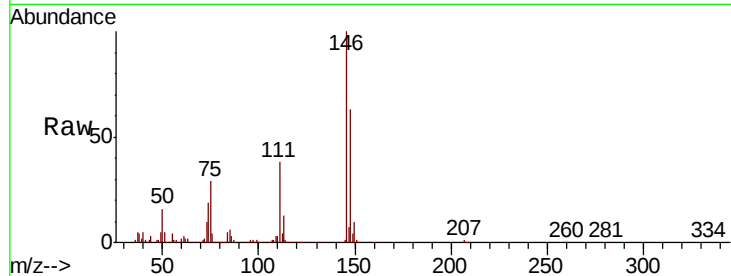
#91
 1,2-Dichlorobenzene
 Concen: 19.538 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

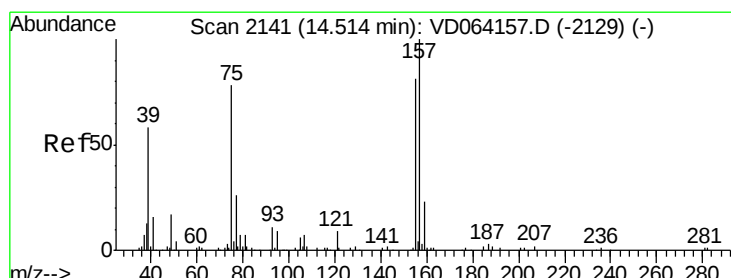
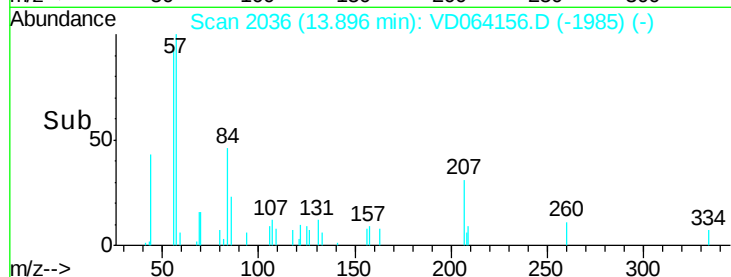
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.0
148	64.8	32.3	96.8

Manual Integrations
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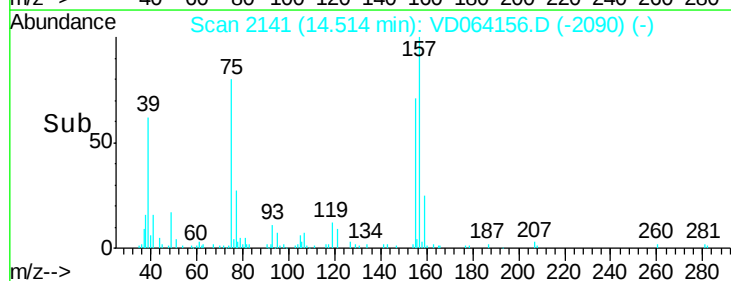
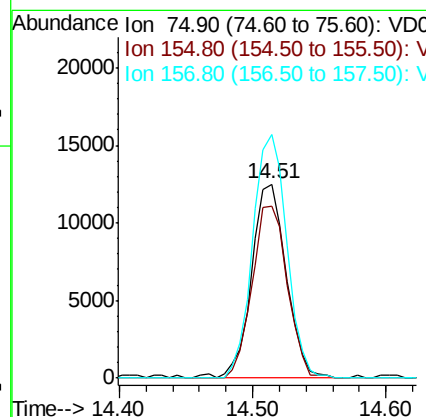
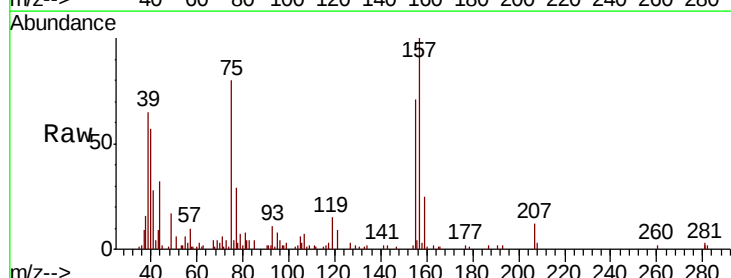


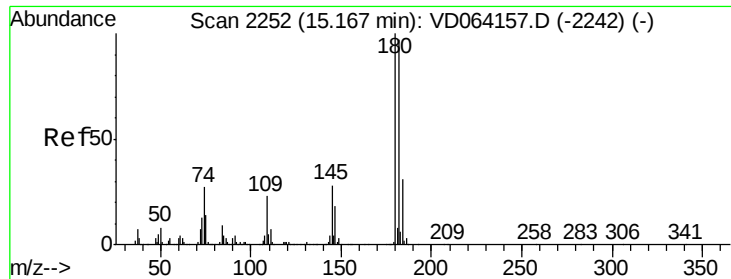
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.908 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064156.D
 Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	48.0	144.0
157	122.9	61.5	184.4





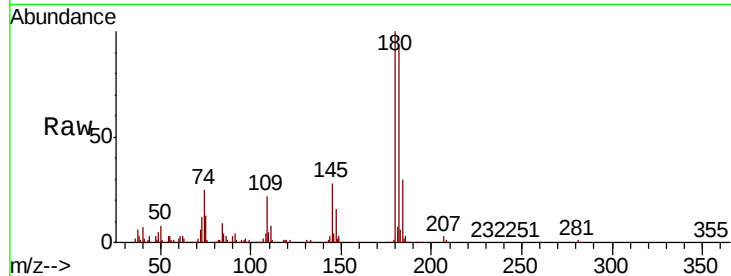
#93
1,2,4-Trichlorobenzene
Concen: 20.880 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

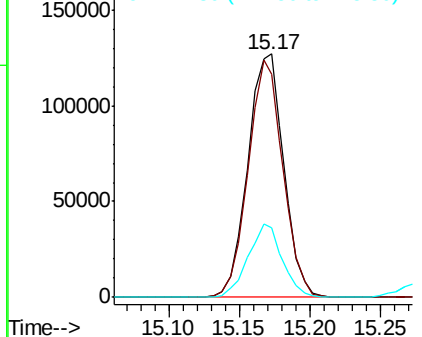
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	28.4	14.2	42.6

Manual Integrations
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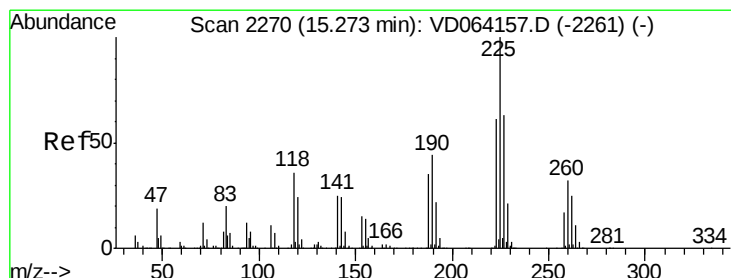
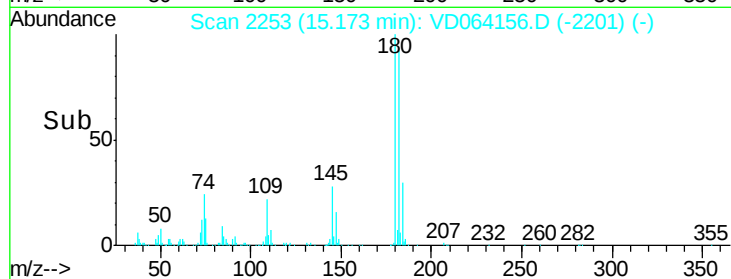
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

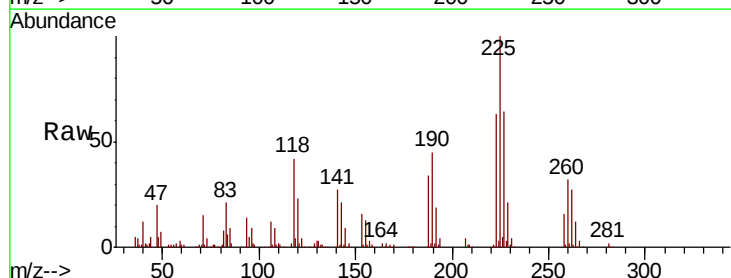


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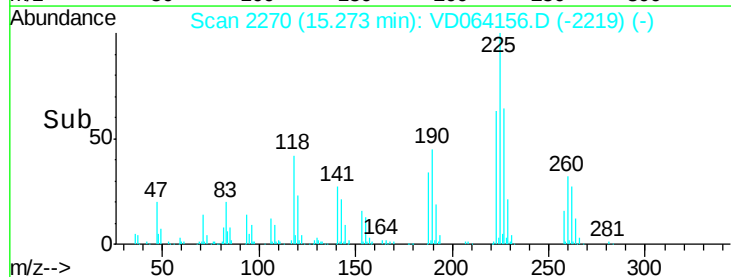
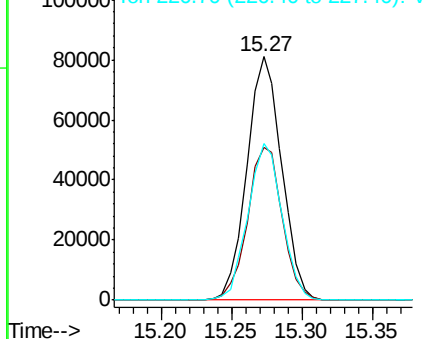


#94
Hexachlorobutadiene
Concen: 21.650 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD064156.D
Acq: 08 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.3
227	63.4	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.869 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Instrument :

MSVOA_D

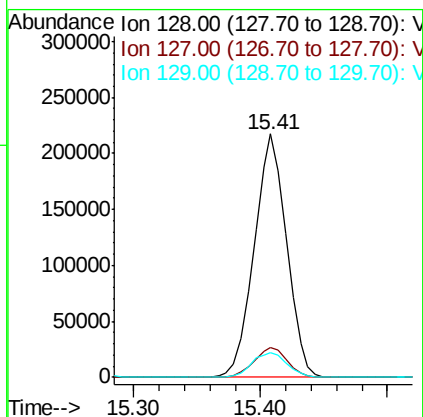
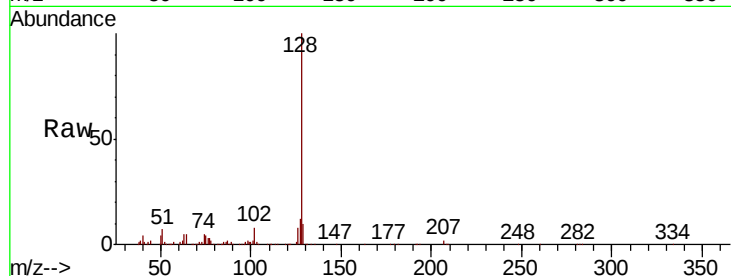
ClientSampleId :

VSTDIC020

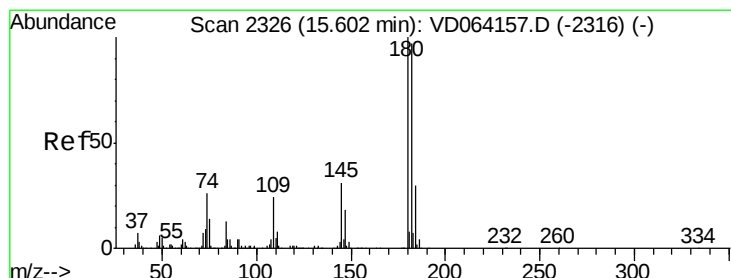
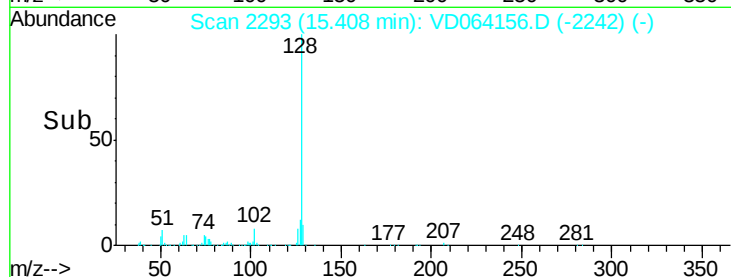
Tot Ion:	128	Resp:	386566
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.212 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD064156.D

Acq: 08 Nov 2019 14:35

Tgt Ion:	180	Resp:	190856
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.3	144.9
145	30.6	15.3	45.8

