

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064321.D
 Acq On : 21 Nov 2019 13:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/23/2019 6:11:34 AM

Quant Time: Nov 22 00:48:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	723048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1007426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	856763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	425318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	264099	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
35) Dibromofluoromethane	7.92	113	278793	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.34	98	1049368	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.64	95	347941	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	254642	42.463	ug/l	100
3) Chloromethane	2.21	50	299058	46.494	ug/l	98
4) Vinyl Chloride	2.35	62	384582	55.911	ug/l	98
5) Bromomethane	2.77	94	246311	56.709	ug/l	95
6) Chloroethane	2.93	64	260688	59.312	ug/l	99
7) Trichlorofluoromethane	3.27	101	644406	57.784	ug/l	100
8) Diethyl Ether	3.71	74	145852	47.565	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	307804	48.290	ug/l	100
10) Methyl Iodide	4.30	142	339372	46.778	ug/l	100
11) Tert butyl alcohol	5.26	59	85844	206.680	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	285986	47.071	ug/l	97
13) Acrolein	3.92	56	89890	255.825	ug/l	100
14) Allyl chloride	4.71	41	476475	44.355	ug/l	95
15) Acrylonitrile	5.43	53	286347	219.048	ug/l	100
16) Acetone	4.16	43	328805	233.400	ug/l	97
17) Carbon Disulfide	4.40	76	813484	42.994	ug/l	100
18) Methyl Acetate	4.72	43	162994	41.425	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	651064	44.888	ug/l	95
20) Methylene Chloride	4.96	84	294840	41.433	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	314015	45.619	ug/l	97
22) Diisopropyl ether	6.37	45	916236	45.969	ug/l	99
23) Vinyl Acetate	6.31	43	2553865	229.866	ug/l	100
24) 1,1-Dichloroethane	6.26	63	543653	46.977	ug/l	99
25) 2-Butanone	7.22	43	395494	217.299	ug/l	99
26) 2,2-Dichloropropane	7.21	77	519147	45.743	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	343270	46.503	ug/l	97
28) Bromochloromethane	7.55	49	214403	53.214	ug/l	99
29) Tetrahydrofuran	7.57	42	236344	216.131	ug/l	98
30) Chloroform	7.71	83	560613	47.358	ug/l	97
31) Cyclohexane	7.99	56	505894	43.345	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	529046	46.674	ug/l	99
36) 1,1-Dichloropropene	8.11	75	444587	47.817	ug/l	100
37) Ethyl Acetate	7.30	43	168873	43.083	ug/l	97
38) Carbon Tetrachloride	8.10	117	479339	48.181	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	557836	47.415	ug/l	97
40) Benzene	8.35	78	1187397	46.728	ug/l	99
41) Methacrylonitrile	7.53	41	103225	41.900	ug/l	95
42) 1,2-Dichloroethane	8.43	62	335696	43.986	ug/l	99
43) Isopropyl Acetate	8.46	43	350000	43.338	ug/l	99
44) Trichloroethene	9.11	130	364610	47.808	ug/l	95
45) 1,2-Dichloropropane	9.39	63	287504	46.485	ug/l	98
46) Dibromomethane	9.48	93	153507	46.361	ug/l	98
47) Bromodichloromethane	9.67	83	410349	46.009	ug/l	93
48) Methyl methacrylate	9.46	41	162140	41.058	ug/l	98
49) 1,4-Dioxane	9.47	88	36981	929.953	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	835026	215.609	ug/l	100
52) Toluene	10.41	92	781647	46.780	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	399305	44.688	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	475575	45.611	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	208503	46.419	ug/l	96
56) Ethyl methacrylate	10.67	69	278381	44.304	ug/l	96
57) 1,3-Dichloropropane	10.95	76	353112	45.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	572576	224.958	ug/l	99
59) 2-Hexanone	10.99	43	598958	217.382	ug/l	99
60) Dibromochloromethane	11.14	129	284324	45.363	ug/l	99
61) 1,2-Dibromoethane	11.25	107	205386	45.652	ug/l	99
64) Tetrachloroethene	10.88	164	321272	48.757	ug/l	98
65) Chlorobenzene	11.67	112	822085	47.186	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	310967	46.941	ug/l	99
67) Ethyl Benzene	11.75	91	1498934	47.564	ug/l	99
68) m/p-Xylenes	11.86	106	1141519	94.501	ug/l	100
69) o-Xylene	12.18	106	525473	46.905	ug/l	100
70) Styrene	12.20	104	912716	46.673	ug/l	99
71) Bromoform	12.37	173	170254	45.158	ug/l	100
73) Isopropylbenzene	12.48	105	1493947	47.855	ug/l	100
74) N-amyl acetate	12.30	43	317275	43.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	213107	45.303	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	142762m	41.673	ug/l	
77) Bromobenzene	12.77	156	357837	47.182	ug/l	98
78) n-propylbenzene	12.83	91	1701275	47.699	ug/l	99
79) 2-Chlorotoluene	12.91	91	937904	46.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1219170	47.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	73817	42.801	ug/l	100
82) 4-Chlorotoluene	13.01	91	980915	46.703	ug/l	99
83) tert-Butylbenzene	13.23	119	1067138	47.178	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1214232	47.946	ug/l	99
85) sec-Butylbenzene	13.41	105	1455008	47.894	ug/l	100
86) p-Isopropyltoluene	13.53	119	1390241	48.135	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	672486	47.767	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	657590	47.858	ug/l	100
89) n-Butylbenzene	13.86	91	1267007	48.557	ug/l	99
90) Hexachloroethane	14.12	117	252573	47.319	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	570048	47.838	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34841	41.426	ug/l	98

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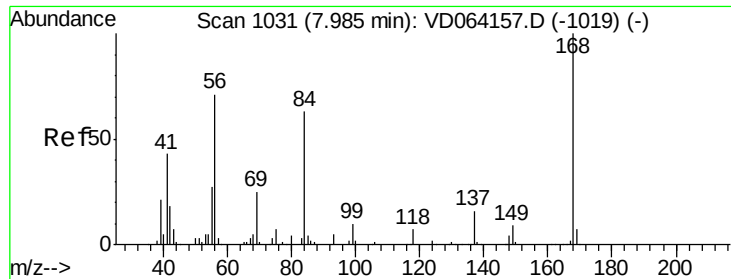
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	446879	48.614	ug/l	99
94) Hexachlorobutadiene	15.28	225	298242	50.232	ug/l	100
95) Naphthalene	15.41	128	692187	45.936	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	376190	48.145	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 723048

Ion Ratio Lower Upper

168 100

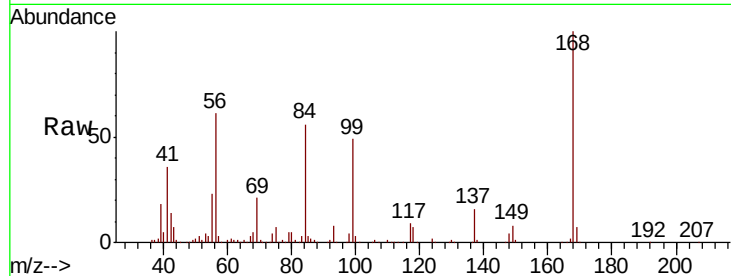
99 48.3 41.6 62.4

Manual Integrations

APPROVED

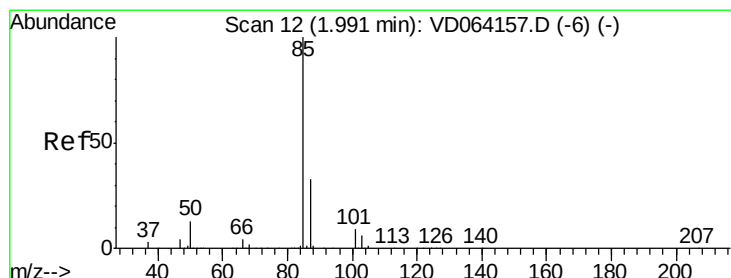
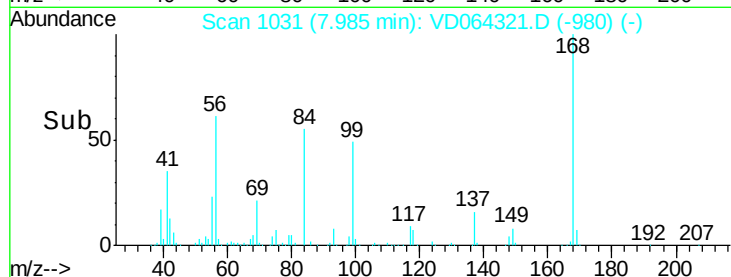
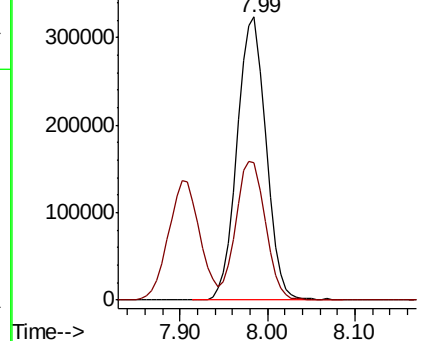
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.463 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064321.D

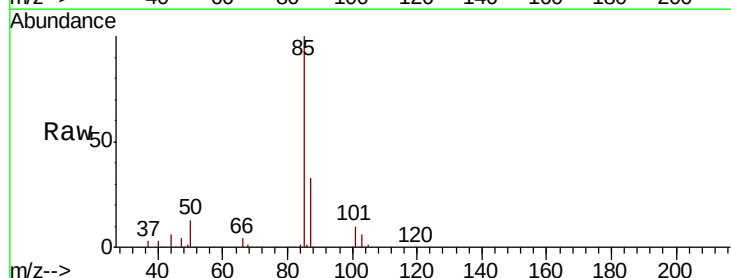
Acq: 21 Nov 2019 13:21

Tgt Ion: 85 Resp: 254642

Ion Ratio Lower Upper

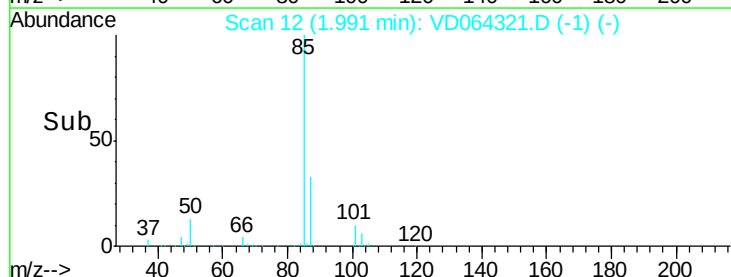
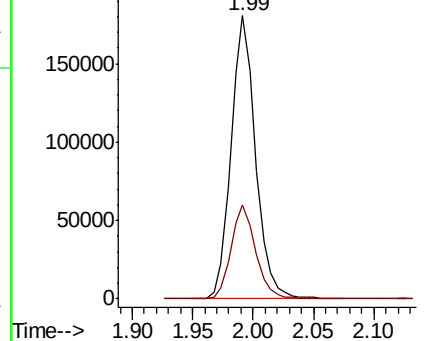
85 100

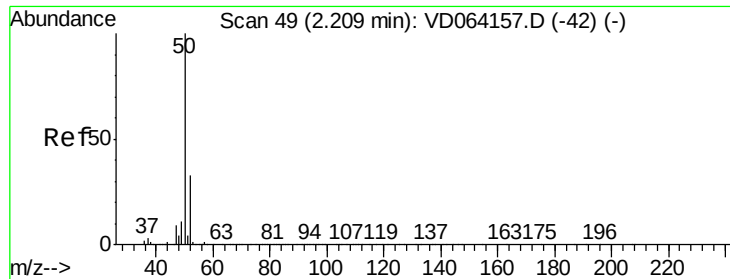
87 33.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.494 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 299058

Ion Ratio Lower Upper

50 100

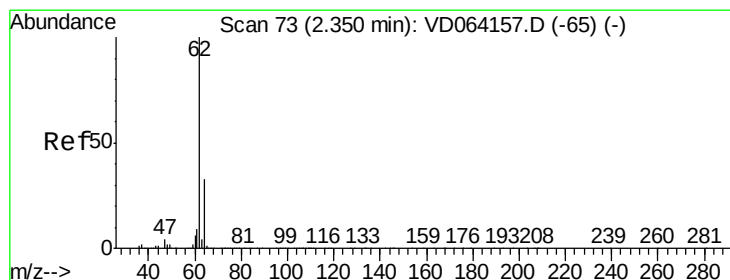
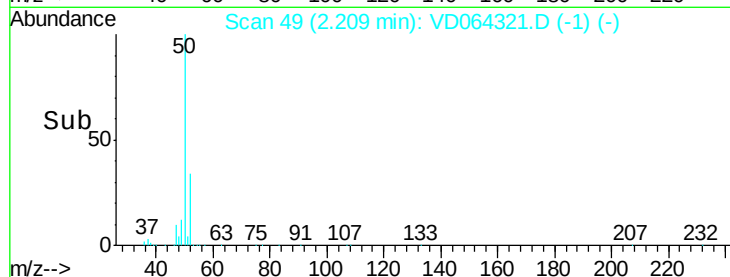
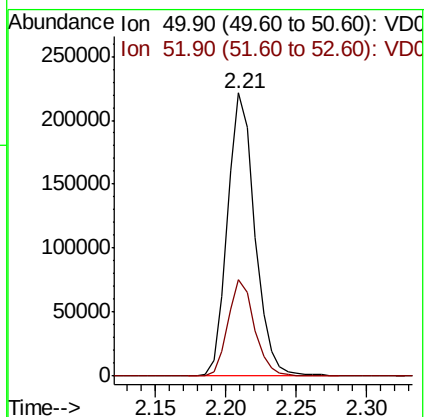
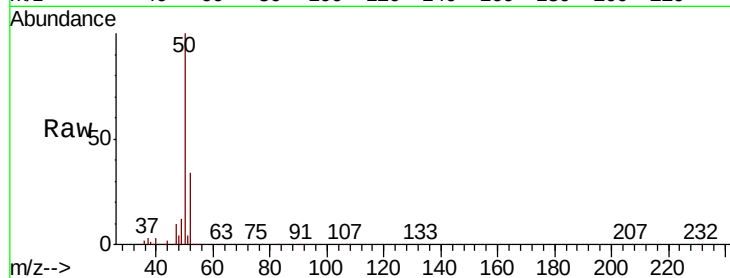
52 33.9 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.911 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064321.D

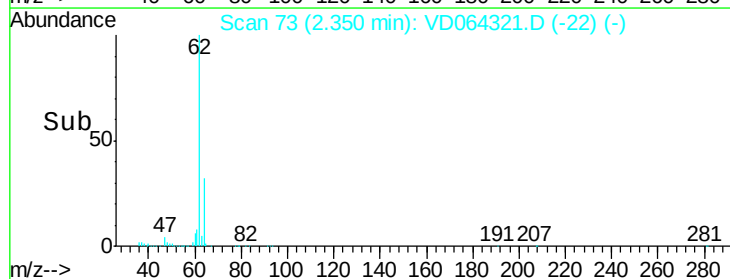
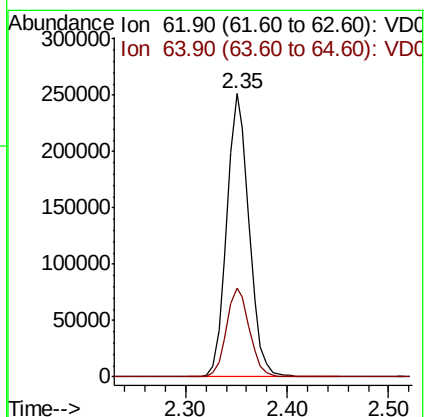
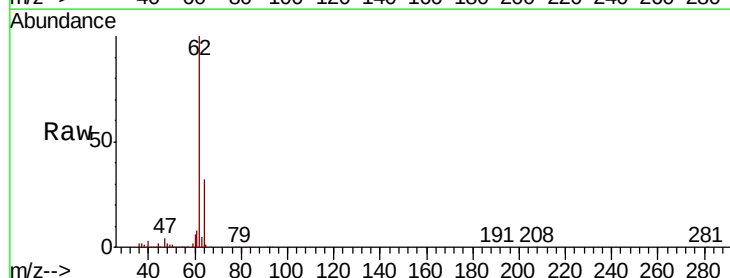
Acq: 21 Nov 2019 13:21

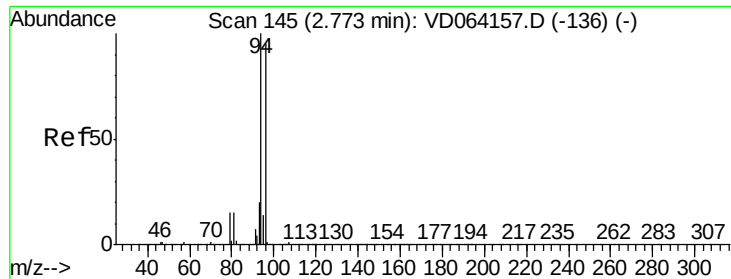
Tgt Ion: 62 Resp: 384582

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 56.709 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 246311

Ion Ratio Lower Upper

94 100

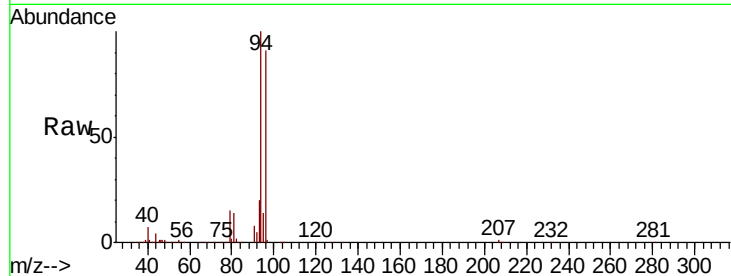
96 90.7 76.2 114.4

Manual Integrations

APPROVED

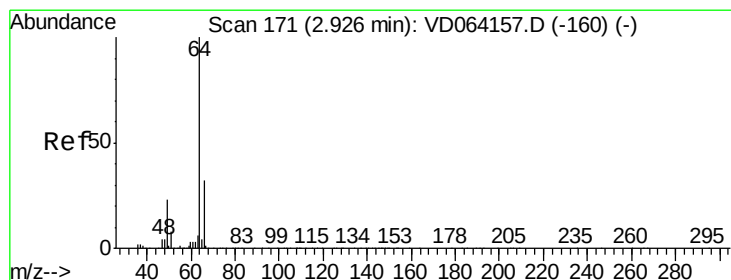
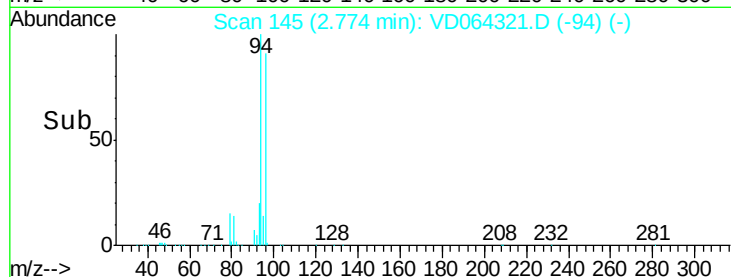
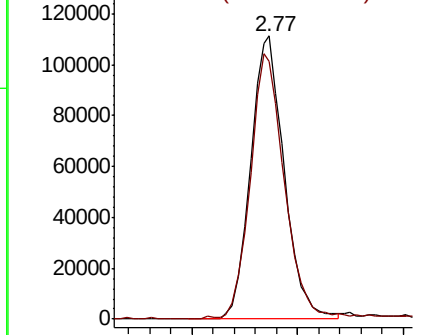
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11/23/2019 6:11:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 59.312 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064321.D

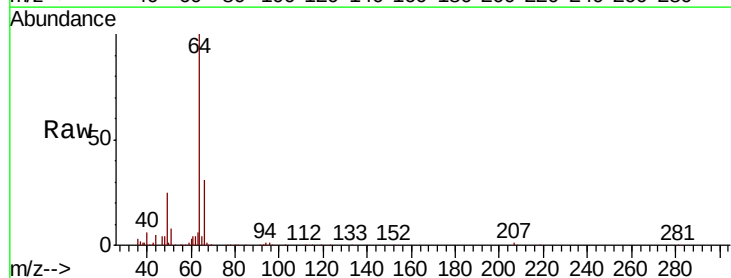
Acq: 21 Nov 2019 13:21

Tgt Ion: 64 Resp: 260688

Ion Ratio Lower Upper

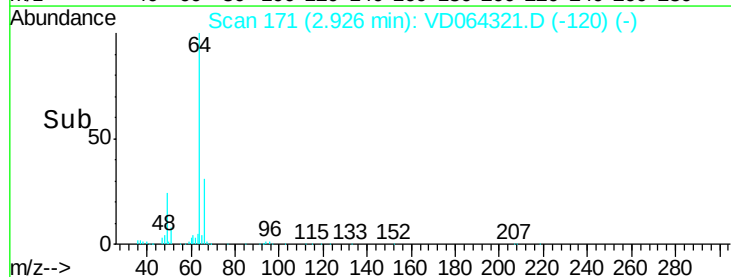
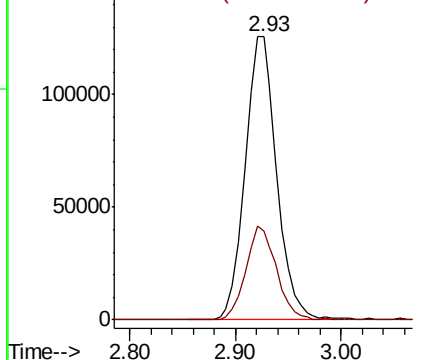
64 100

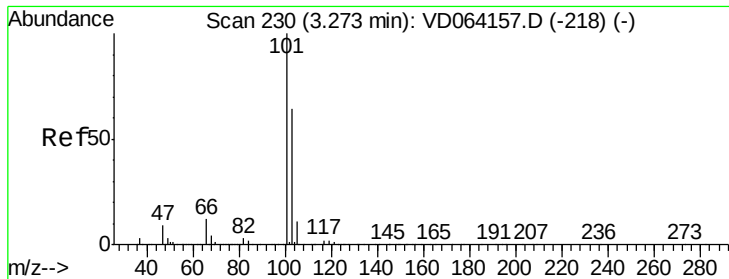
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

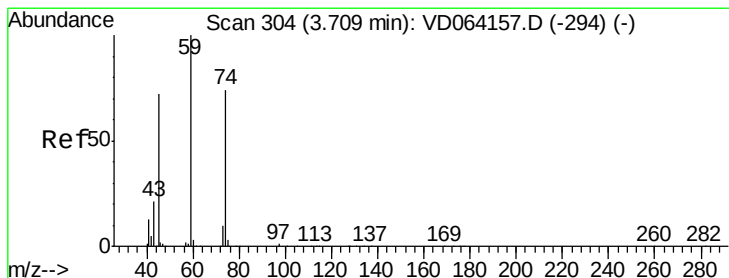
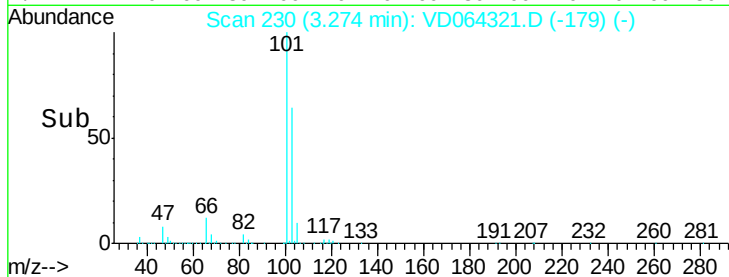
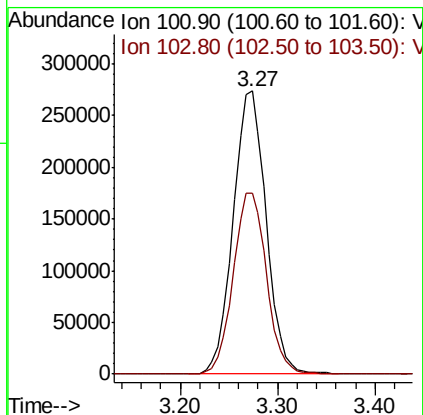
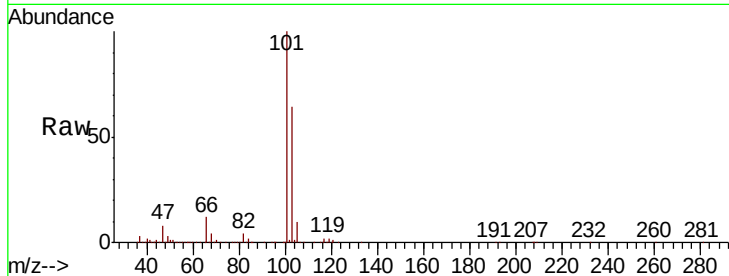
Trichlorofluoromethane
Concen: 57.784 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.8	76.2

Manual Integrations
APPROVED

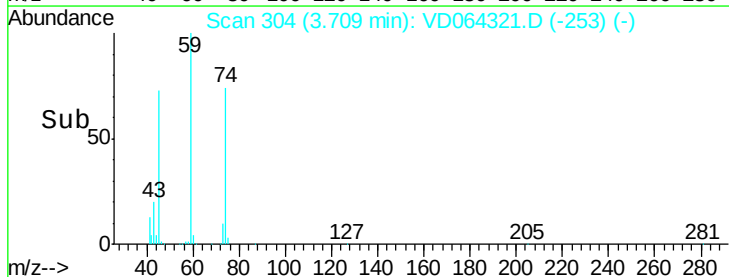
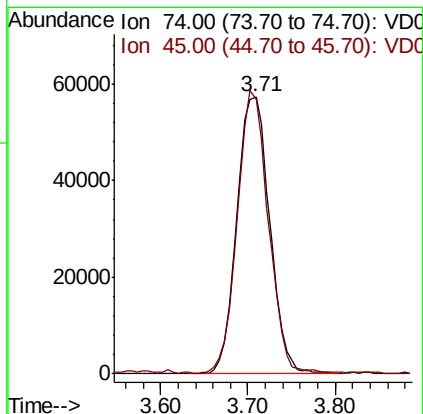
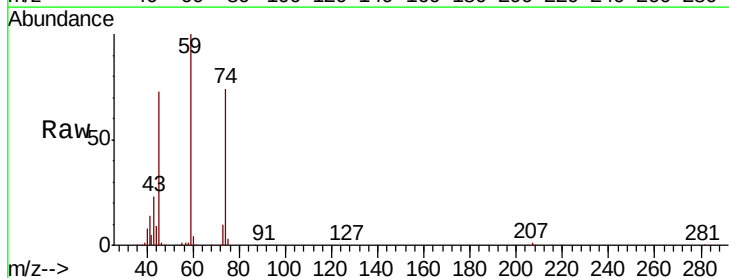
MMDadoda
11/23/2019 6:11:34 AM

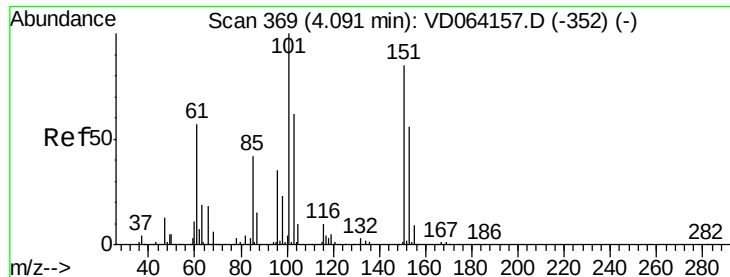


#8

Diethyl Ether
Concen: 47.565 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.290 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

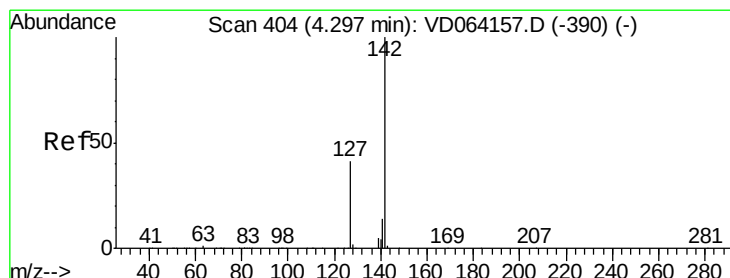
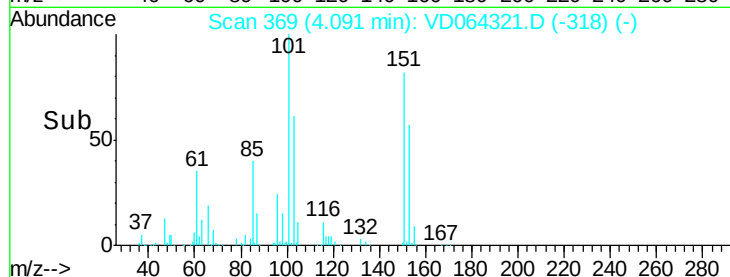
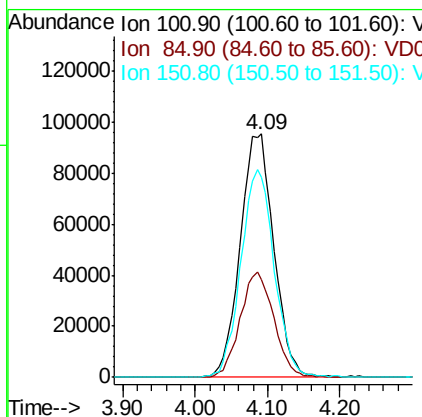
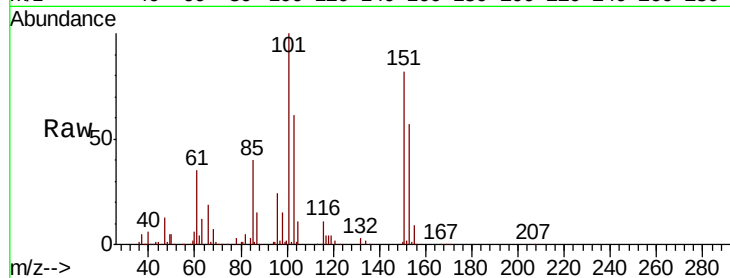
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	307804
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.4	51.6
151	84.8	68.1	102.1

Manual Integrations
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MMDadoda
11/23/2019 6:11:34 AM



#10

Methyl Iodide

Concen: 46.778 ug/l

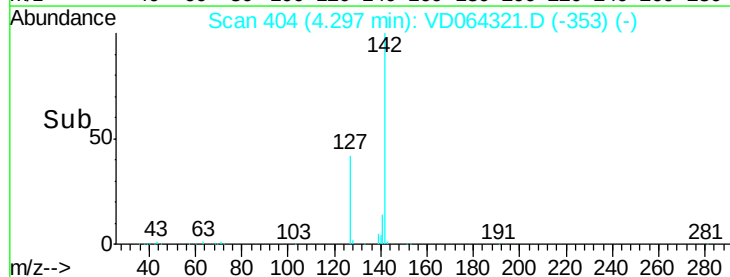
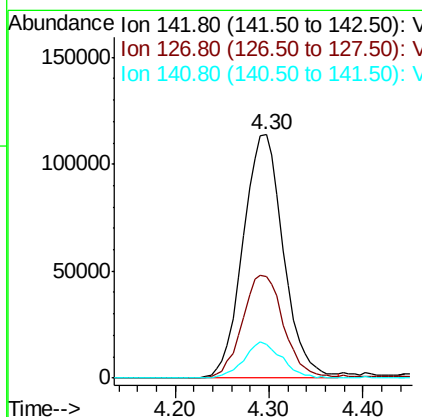
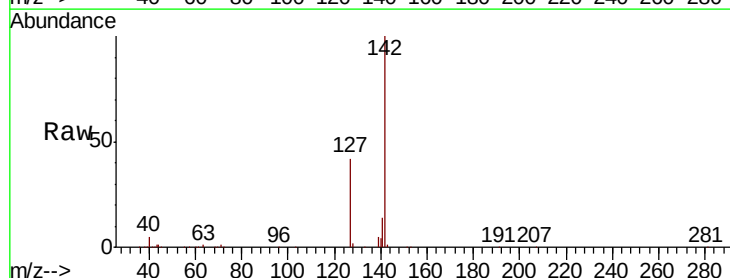
RT: 4.30 min Scan# 404

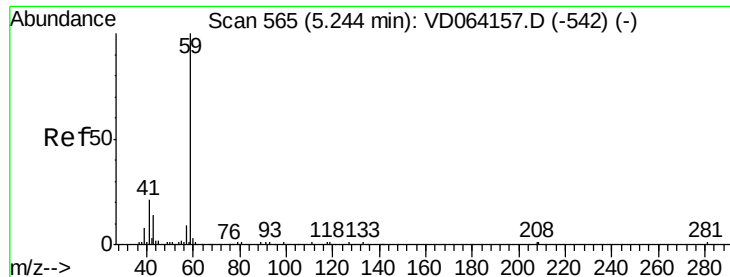
Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Tgt Ion:	142	Resp:	339372
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.4	51.6
141	14.0	11.2	16.8





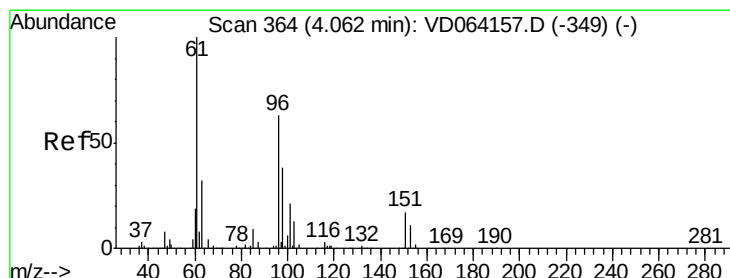
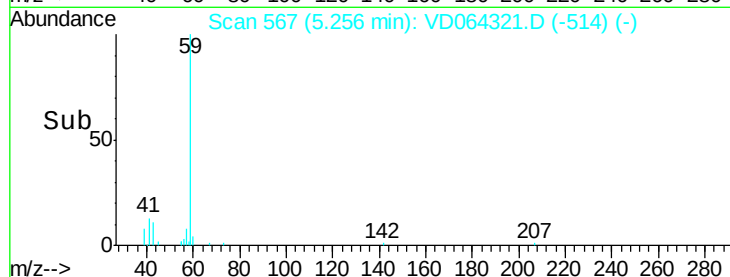
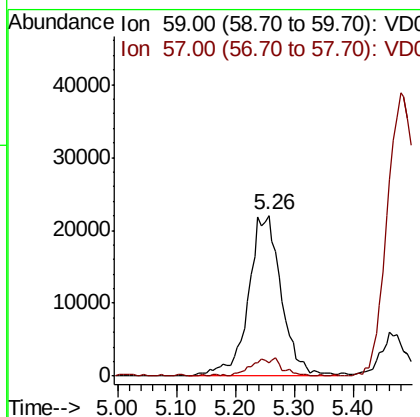
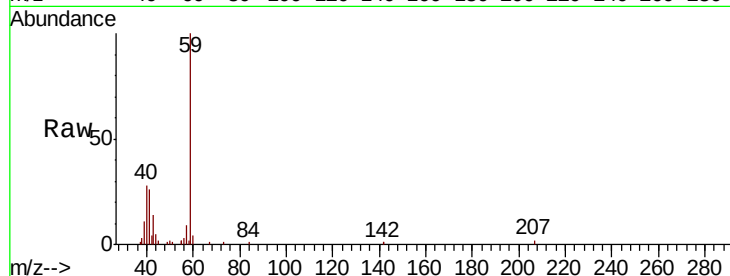
#11
Tert butyl alcohol
Concen: 206.680 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	85844		
57	57	6.1		9.4	14.2#

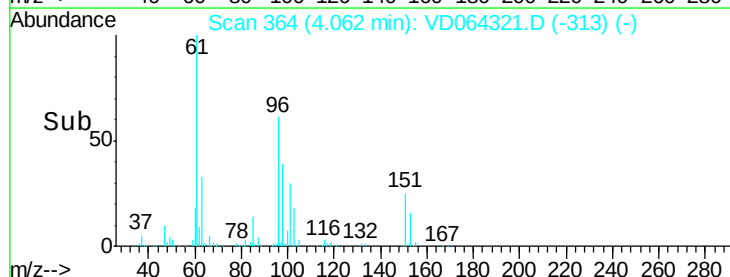
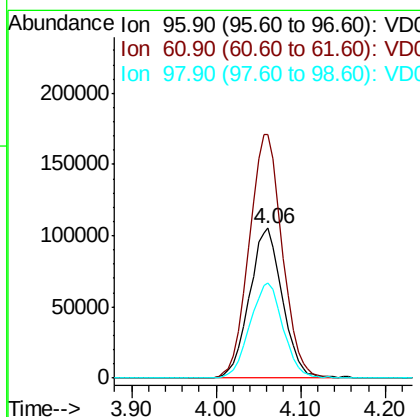
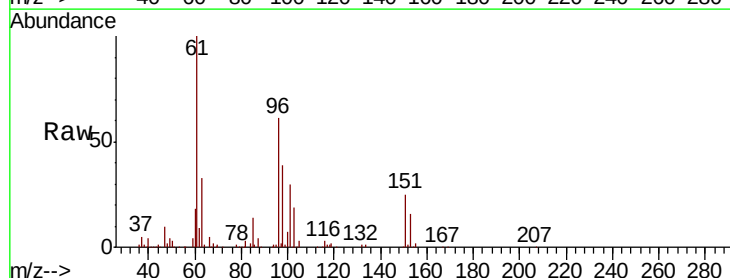
Manual Integrations
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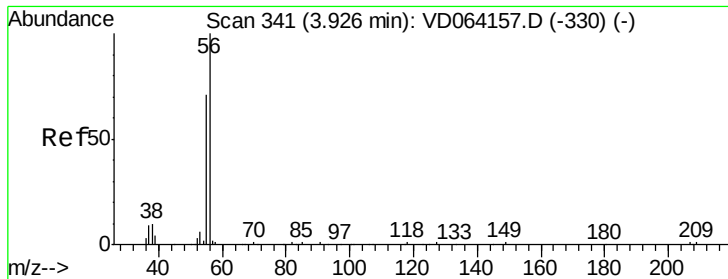
MMDadoda
11/23/2019 6:11:34 AM



#12
1,1-Dichloroethene
Concen: 47.071 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	285986		
61	61	162.8		127.4	191.2
98	98	63.7		48.1	72.1





#13

Acrolein

Concen: 255.825 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 89890

Ion Ratio Lower Upper

56 100

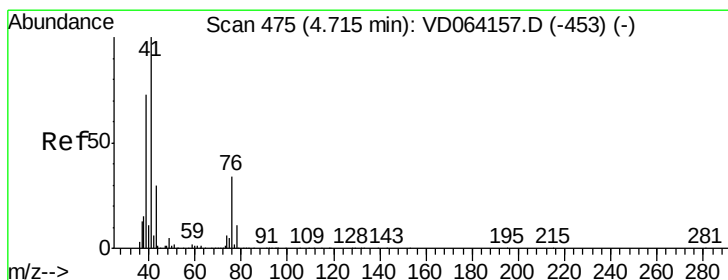
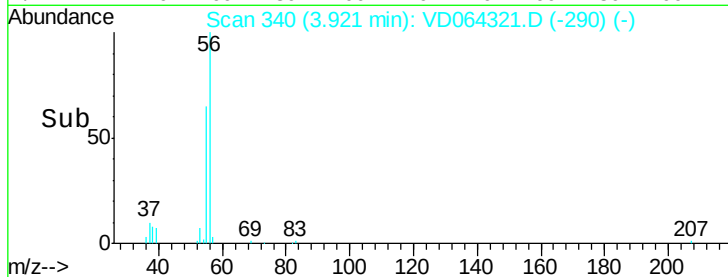
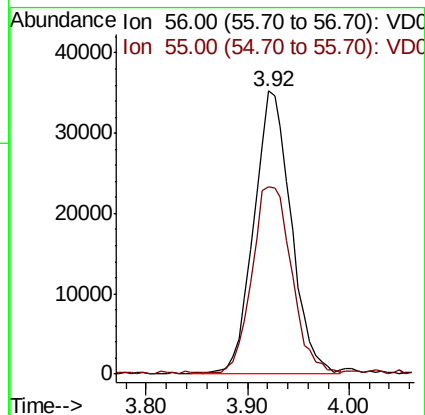
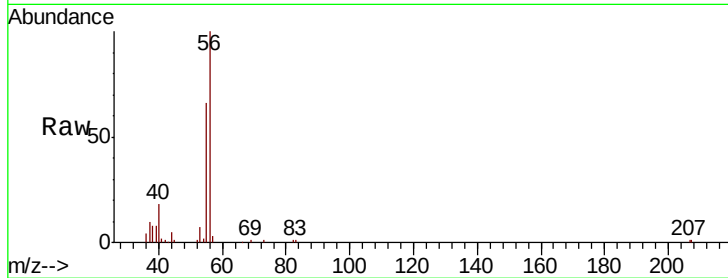
55 69.7 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 44.355 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

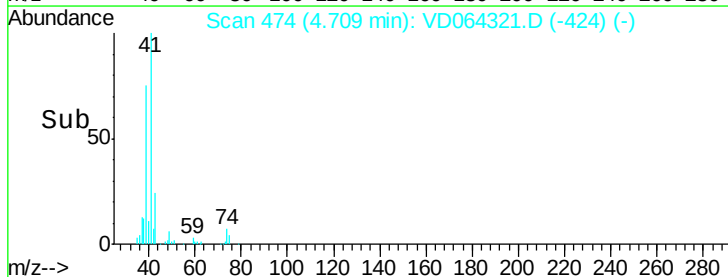
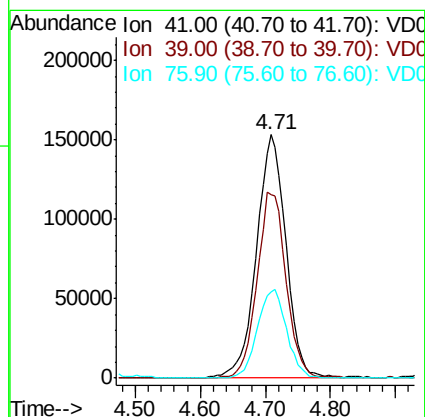
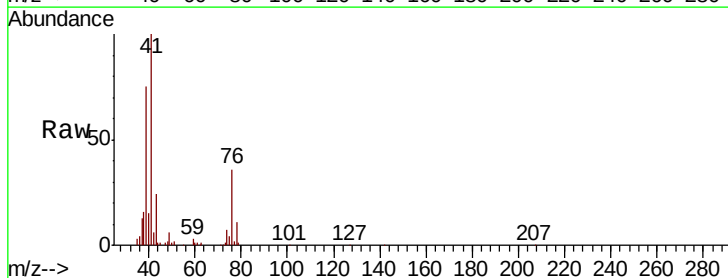
Tgt Ion: 41 Resp: 476475

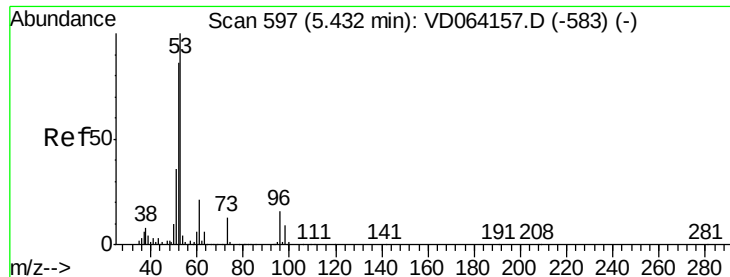
Ion Ratio Lower Upper

41 100

39 76.0 57.5 86.3

76 35.6 26.8 40.2





#15

Acrylonitrile

Concen: 219.048 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

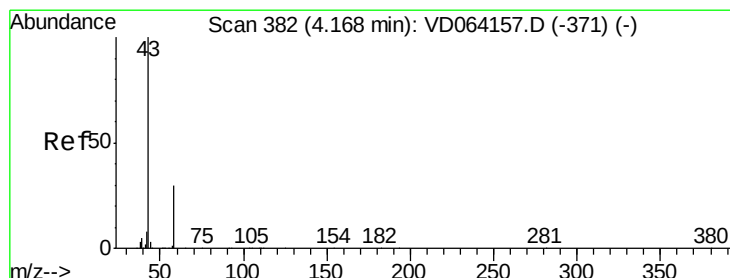
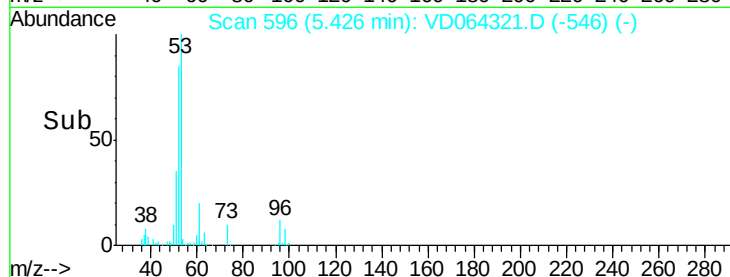
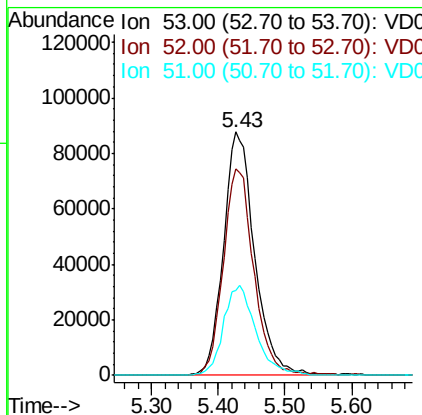
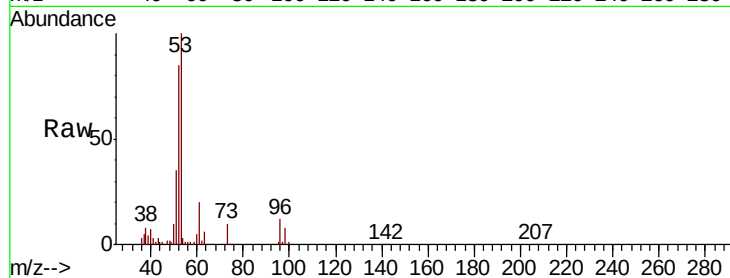
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	286347
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	38.7	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 233.400 ug/l

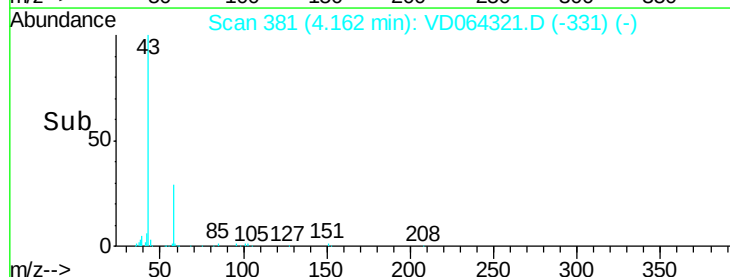
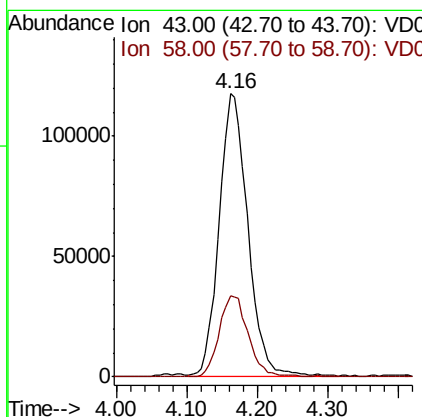
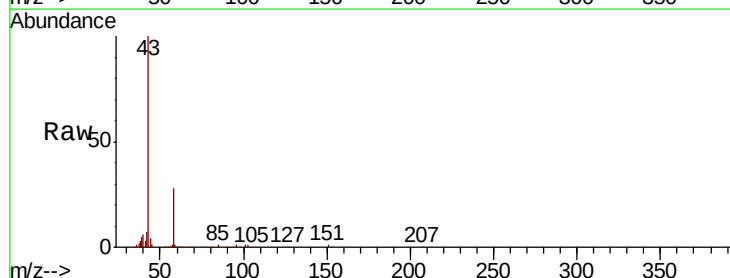
RT: 4.16 min Scan# 381

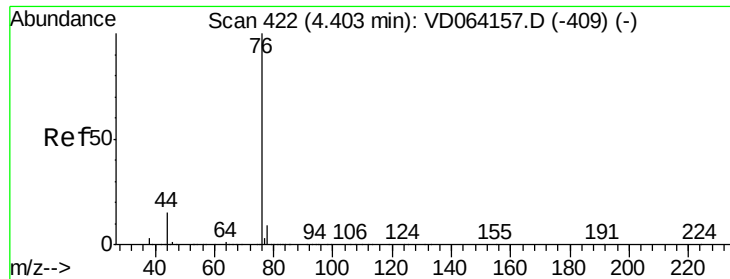
Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Tgt Ion:	43	Resp:	328805
Ion Ratio	Lower	Upper	
43	100		
58	28.3	24.1	36.1





#17

Carbon Disulfide

Concen: 42.994 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 813484

Ion Ratio Lower Upper

76 100

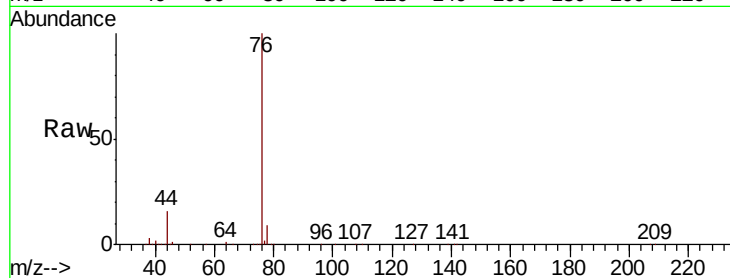
78 9.1 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

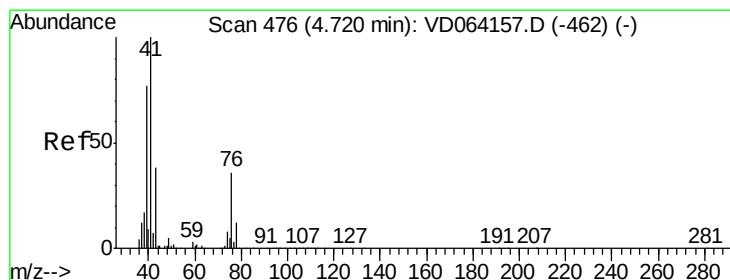
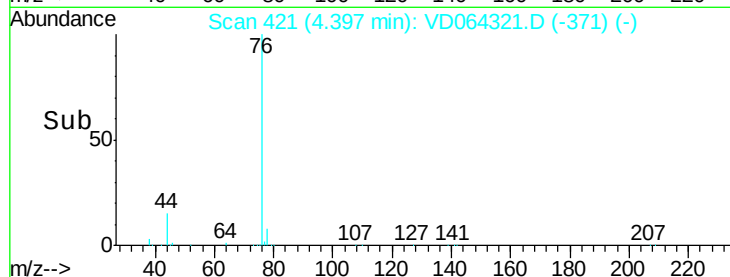
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 41.425 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD064321.D

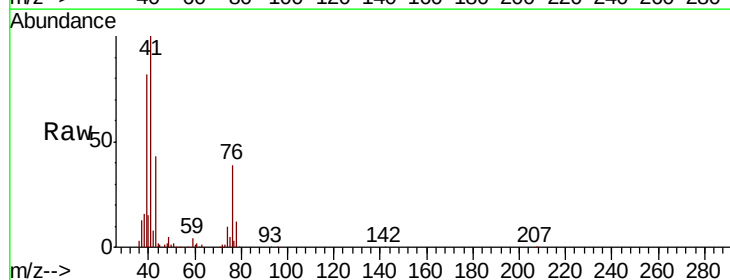
Acq: 21 Nov 2019 13:21

Tgt Ion: 43 Resp: 162994

Ion Ratio Lower Upper

43 100

74 23.7 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

60000

50000

40000

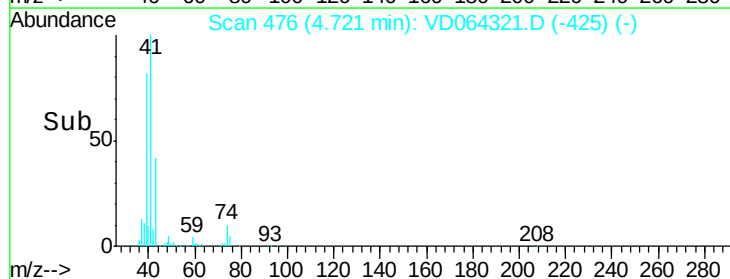
30000

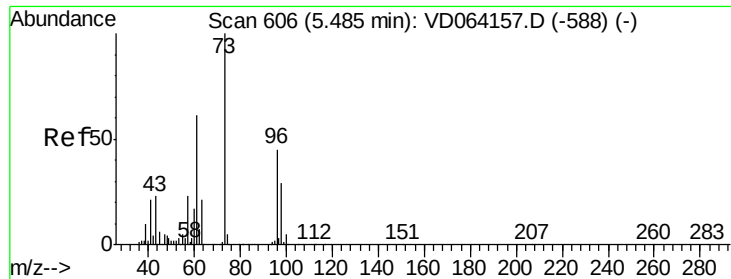
20000

10000

0

Time-->





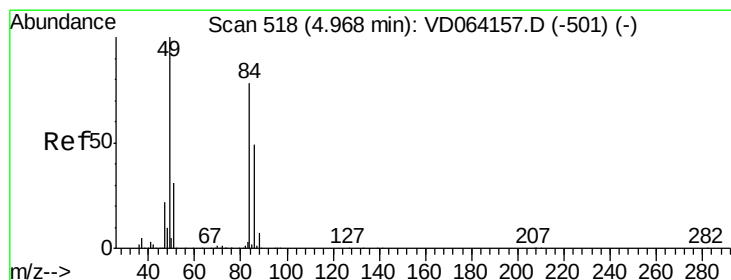
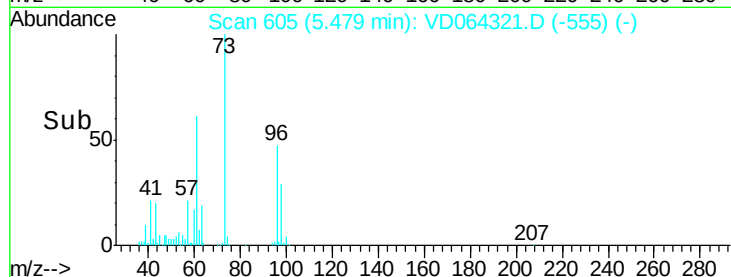
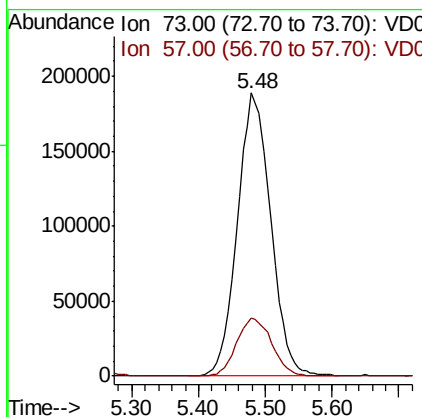
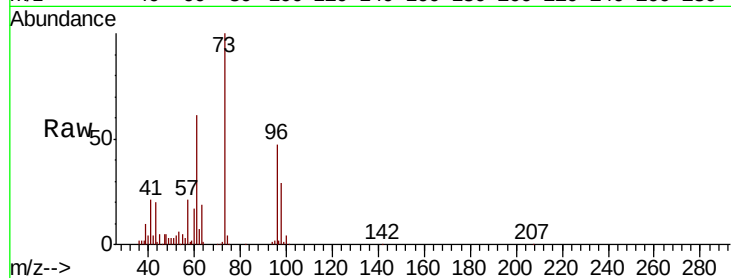
#19
Methyl tert-butyl Ether
Concen: 44.888 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 651064
Ion Ratio Lower Upper
73 100
57 20.6 18.4 27.6

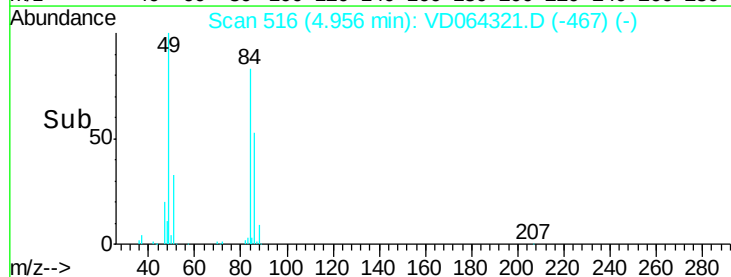
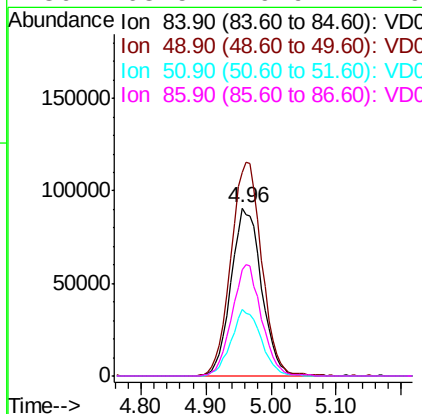
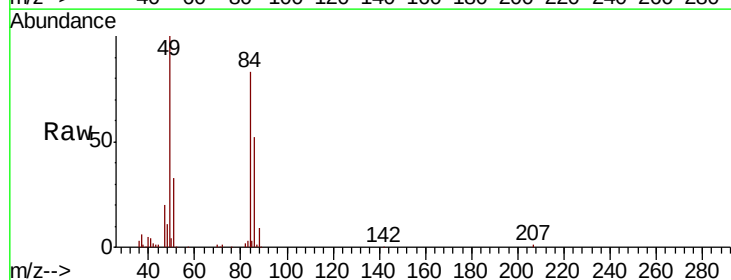
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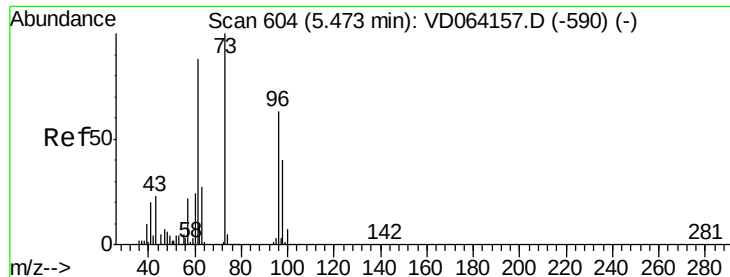
MMDadoda
11/23/2019 6:11:34 AM



#20
Methylene Chloride
Concen: 41.433 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion: 84 Resp: 294840
Ion Ratio Lower Upper
84 100
49 120.9 102.1 153.1
51 39.6 32.2 48.2
86 63.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 45.619 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

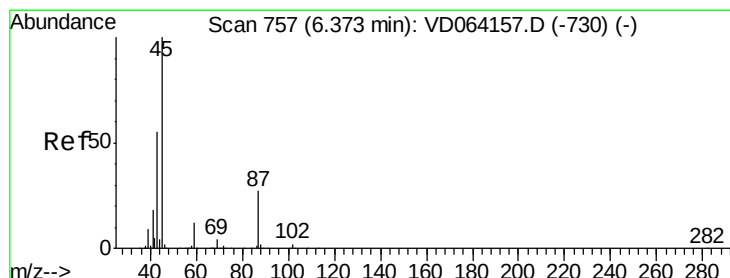
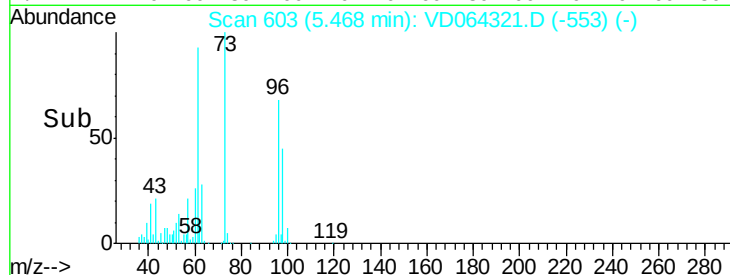
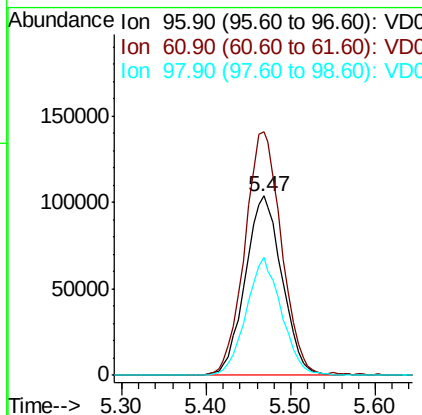
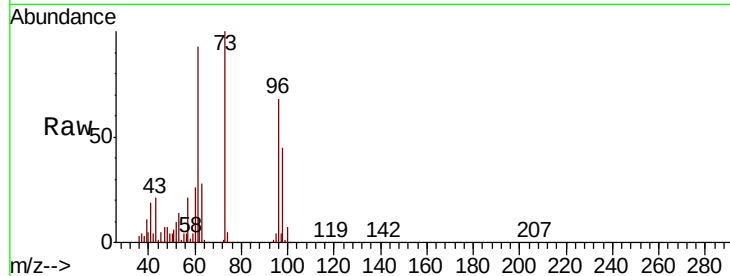
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	314015
Ion	Ratio	Lower	Upper
96	100		
61	135.9	111.8	167.6
98	66.0	50.3	75.5

Manual Integrations
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11/23/2019 6:11:34 AM



#22

Diisopropyl ether

Concen: 45.969 ug/l

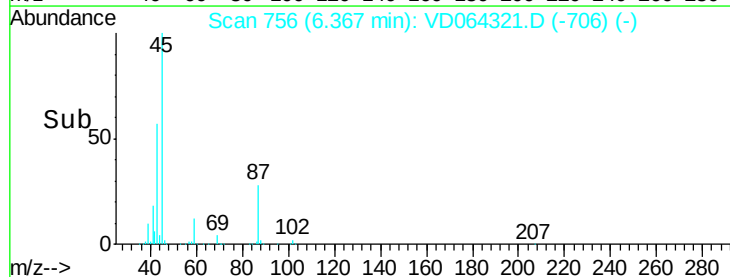
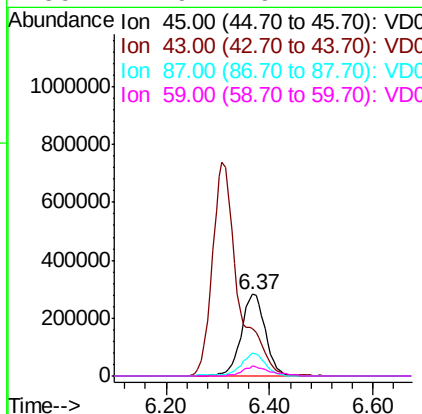
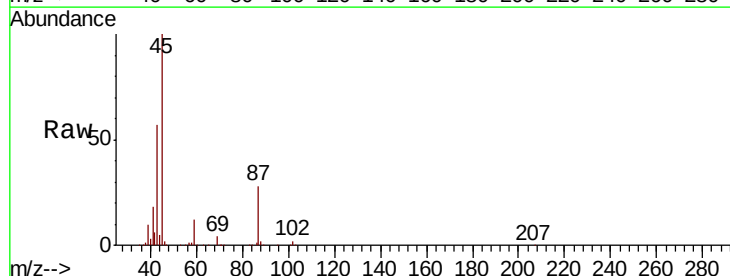
RT: 6.37 min Scan# 756

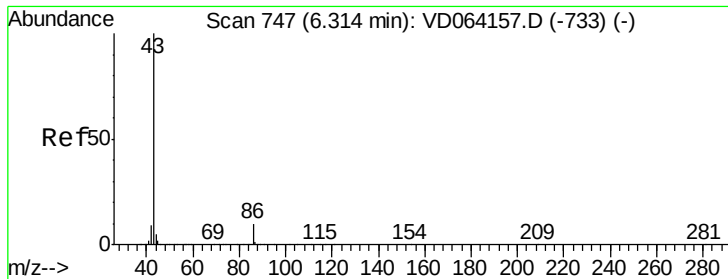
Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Tgt Ion:	45	Resp:	916236
Ion	Ratio	Lower	Upper
45	100		
43	56.8	44.4	66.6
87	28.0	21.9	32.9
59	11.9	9.4	14.2





#23

Vinyl Acetate

Concen: 229.866 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2553865

Ion Ratio Lower Upper

43 100

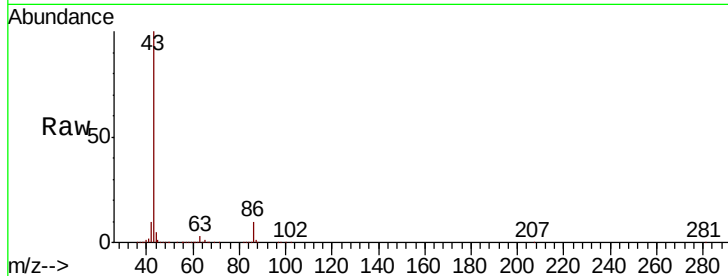
86 10.1 8.2 12.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

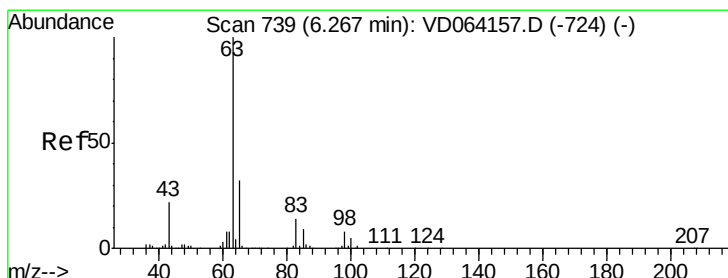
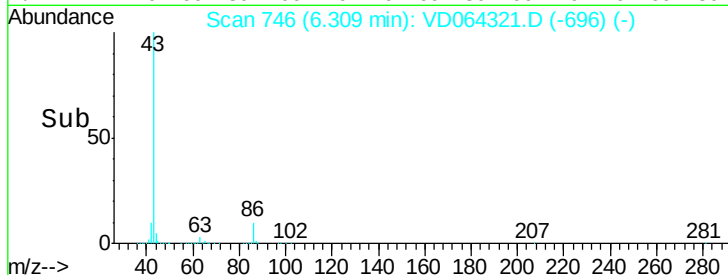
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.977 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

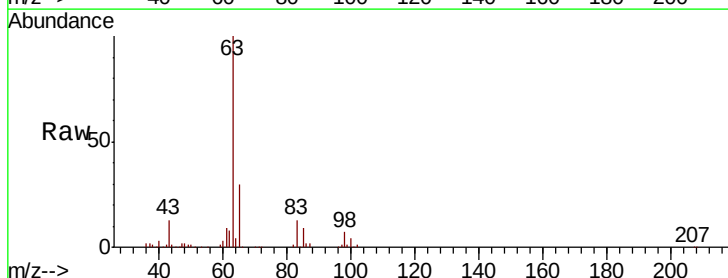
Tgt Ion: 63 Resp: 543653

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

100 4.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

200000

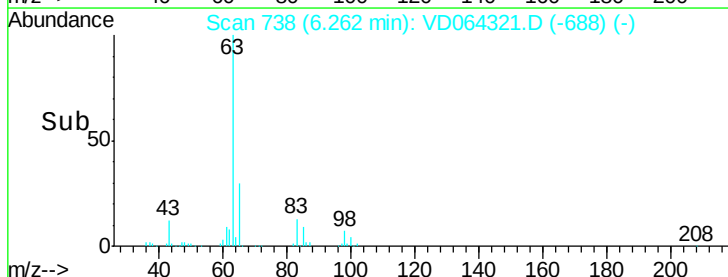
150000

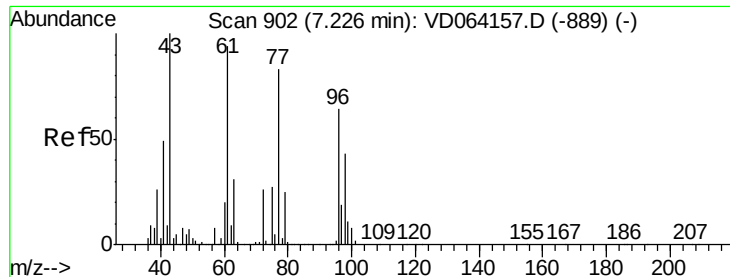
100000

50000

0

Time-->





#25

2-Butanone

Concen: 217.299 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 395494

Ion Ratio Lower Upper

43 100

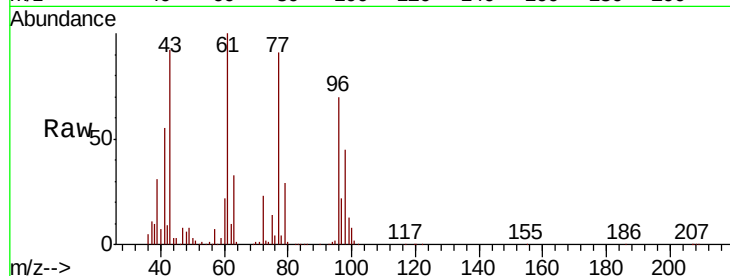
72 25.3 20.6 30.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

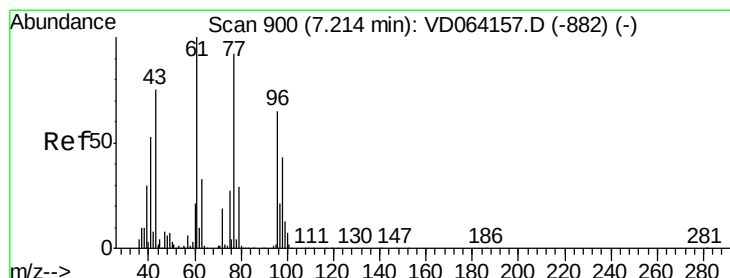
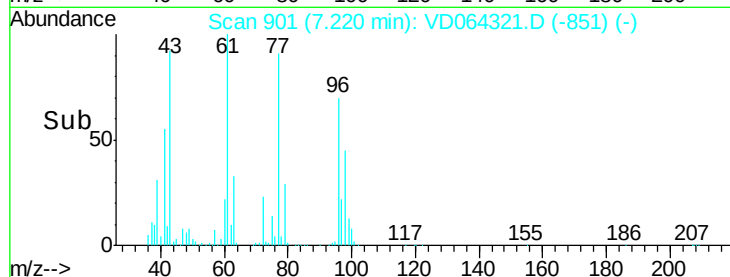
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.743 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064321.D

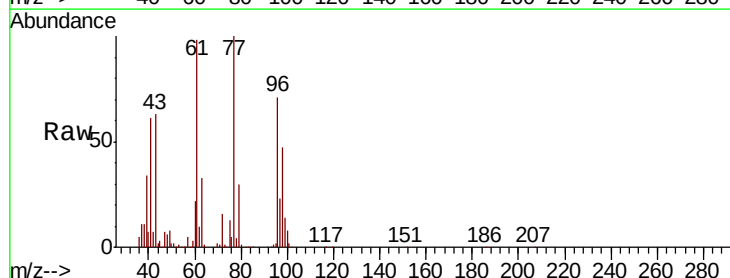
Acq: 21 Nov 2019 13:21

Tgt Ion: 77 Resp: 519147

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

200000

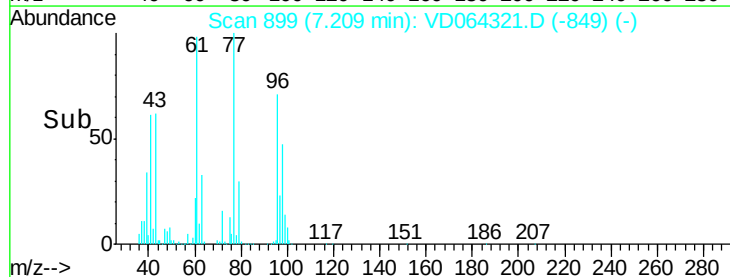
150000

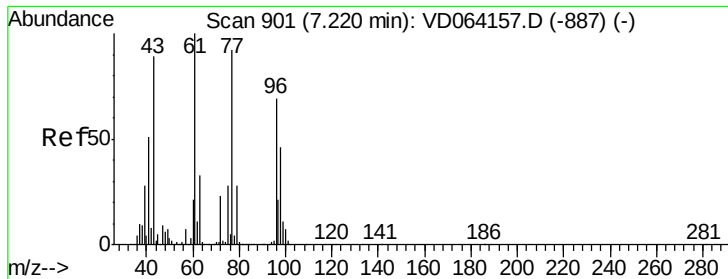
100000

50000

0

Time-->





#27

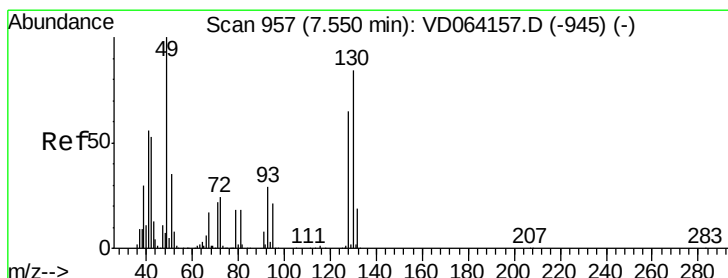
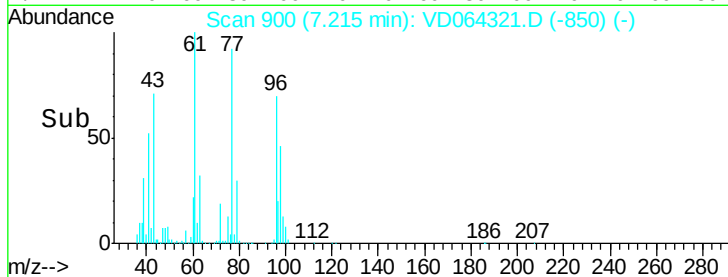
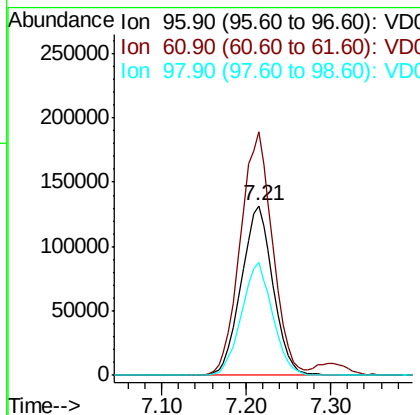
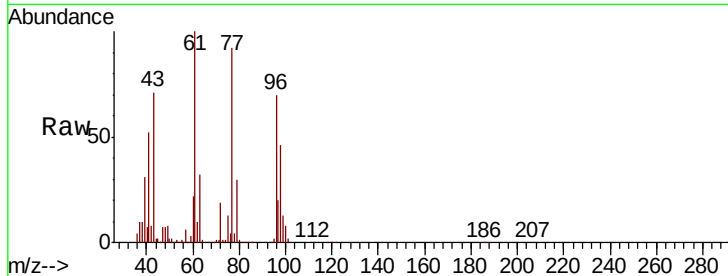
cis-1,2-Dichloroethene
Concen: 46.503 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	343270		
61	145.3	0.0	301.4	
98	65.2	0.0	133.2	

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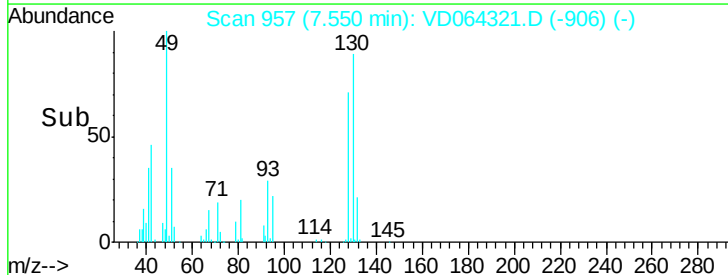
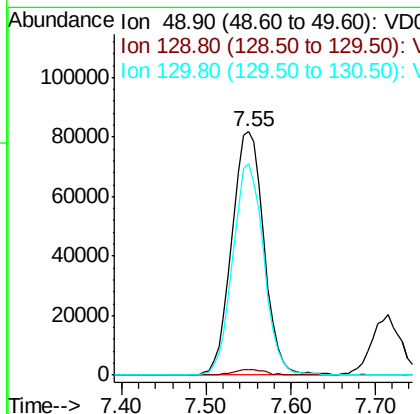
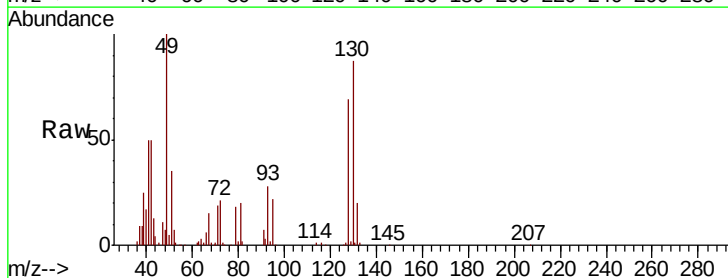
MMDadoda
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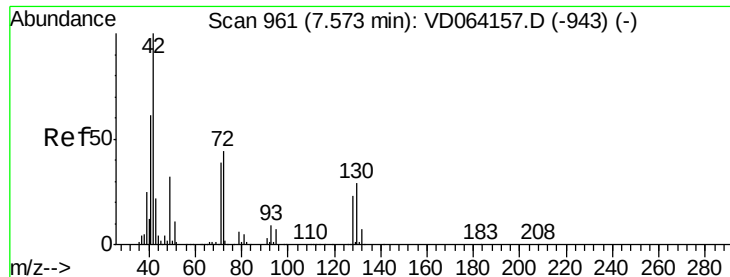


#28

Bromochloromethane
Concen: 53.214 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	214403		
129	2.2	0.0	4.4	
130	84.4	66.8	100.2	





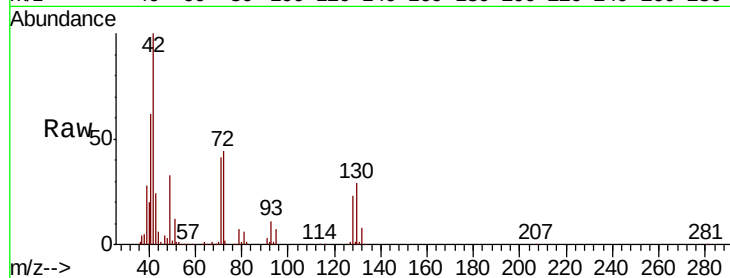
#29
Tetrahydrofuran
Concen: 216.131 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

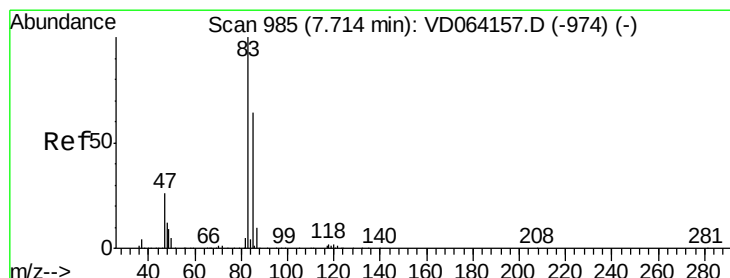
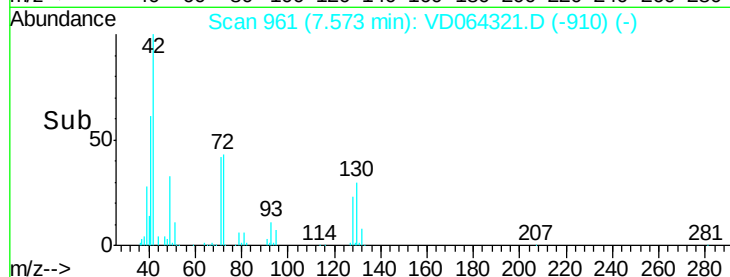
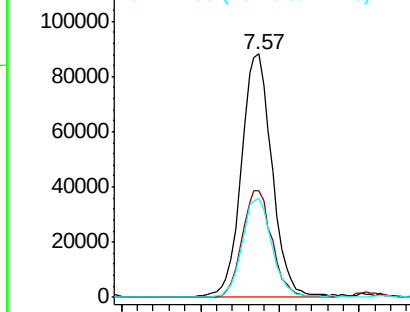
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.4	50.2
71	39.7	31.0	46.4

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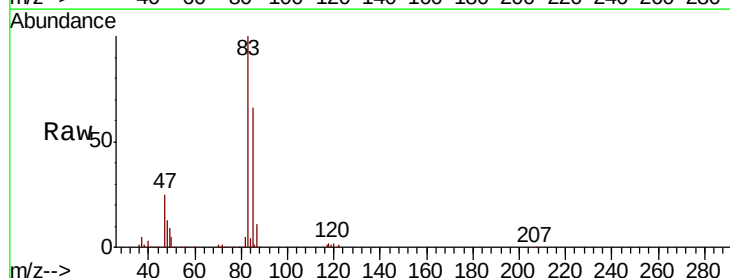


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

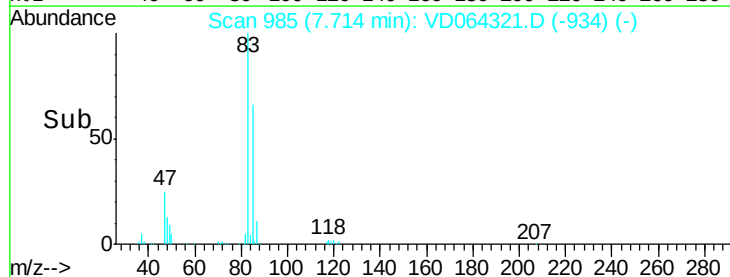
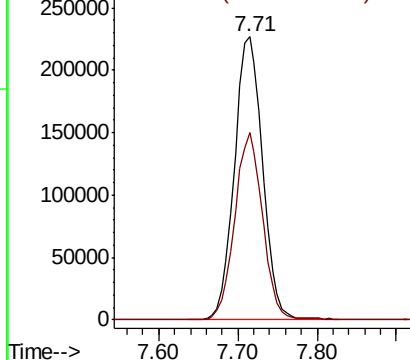


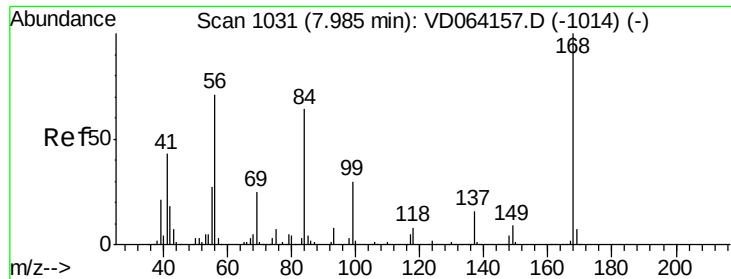
#30
Chloroform
Concen: 47.358 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	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: 43.345 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

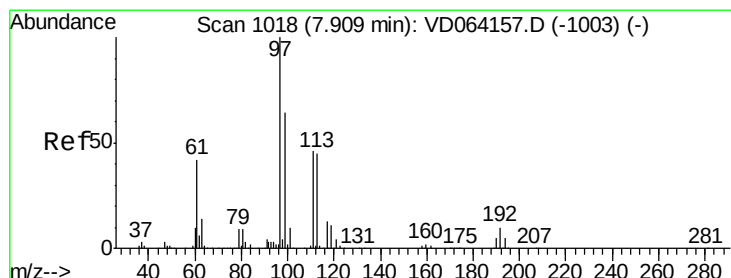
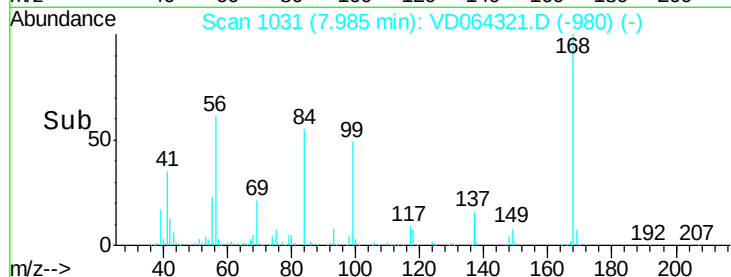
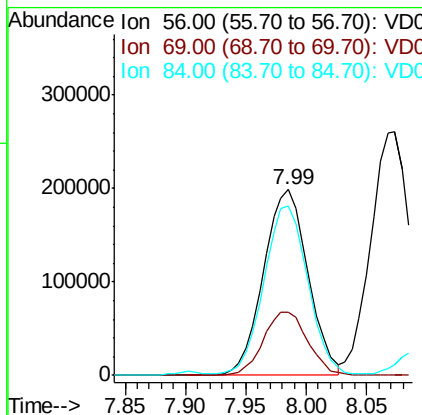
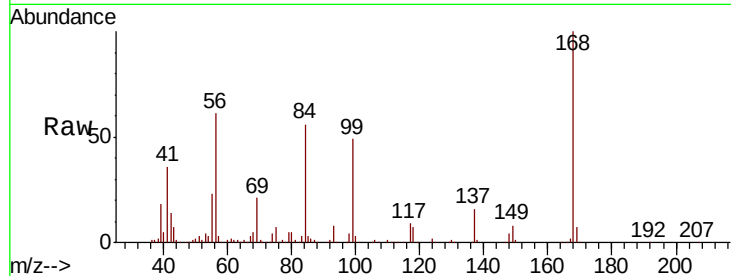
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	505894
Ion Ratio	Lower	Upper	
56	100		
69	34.2	28.2	42.4
84	89.0	71.8	107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.674 ug/l

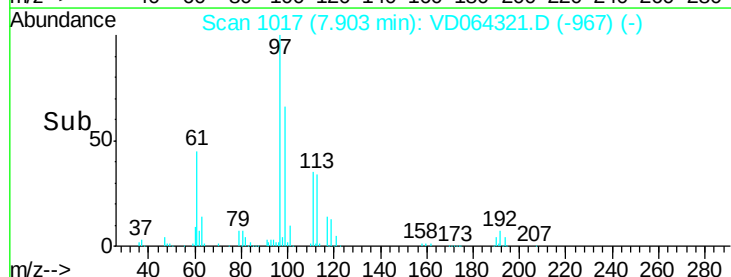
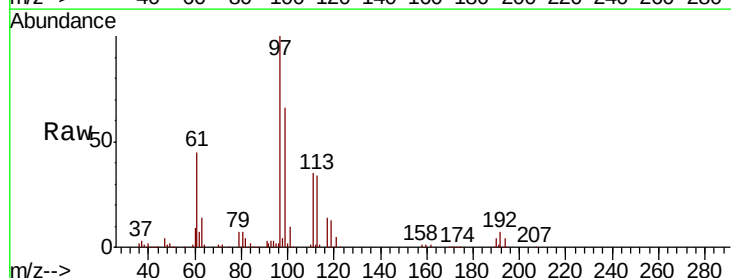
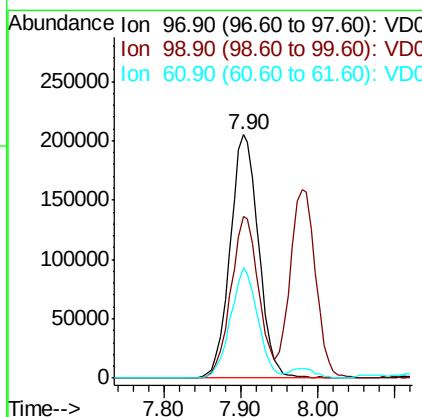
RT: 7.90 min Scan# 1017

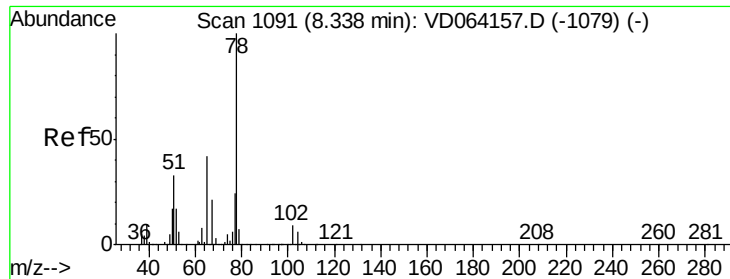
Delta R.T. -0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Tgt Ion:	97	Resp:	529046
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.6	77.4
61	43.6	34.2	51.2





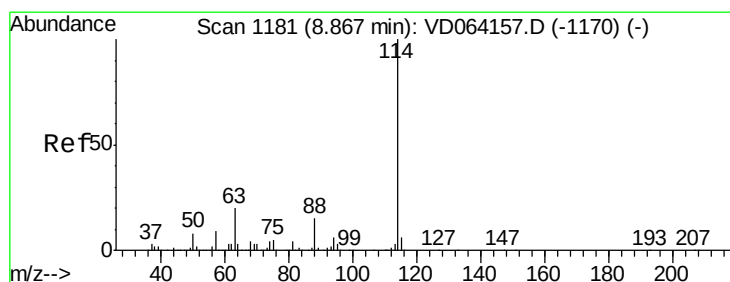
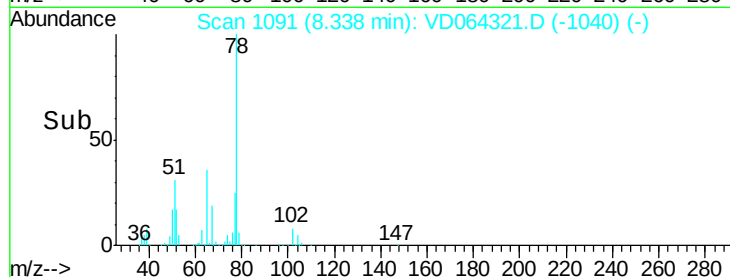
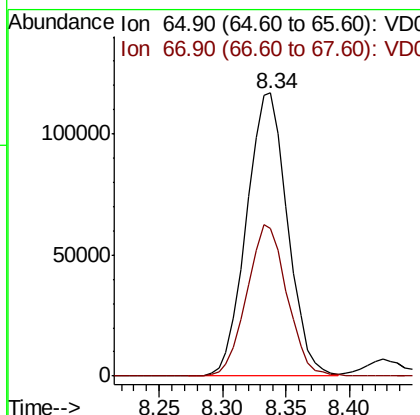
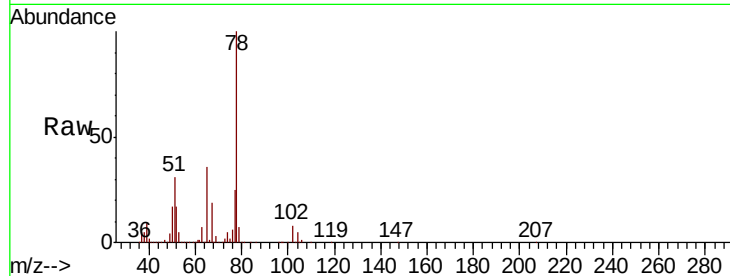
#33
 1,2-Dichloroethane-d4
 Concen: 44.411 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.4

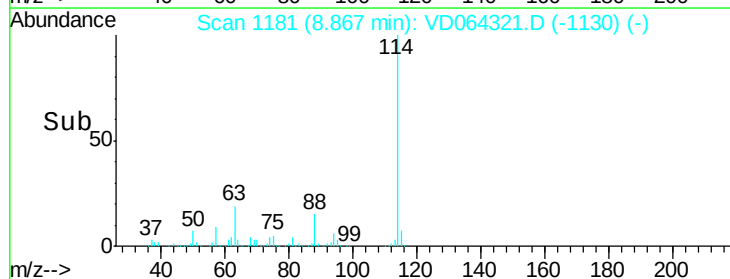
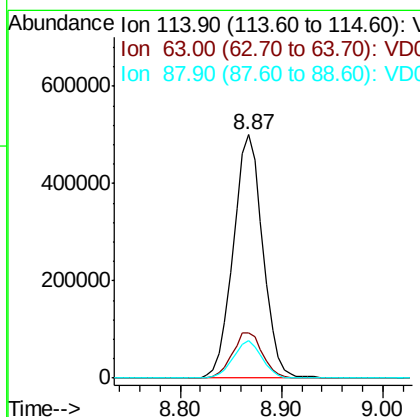
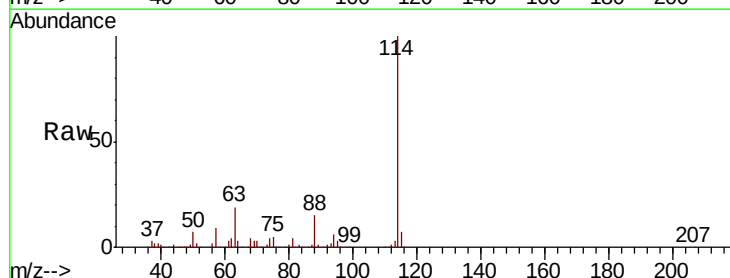
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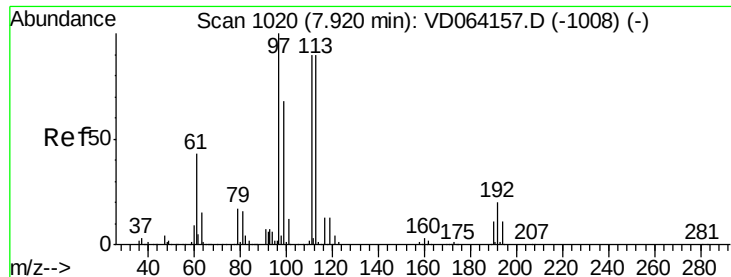
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	40.0
88	15.4	0.0	30.2





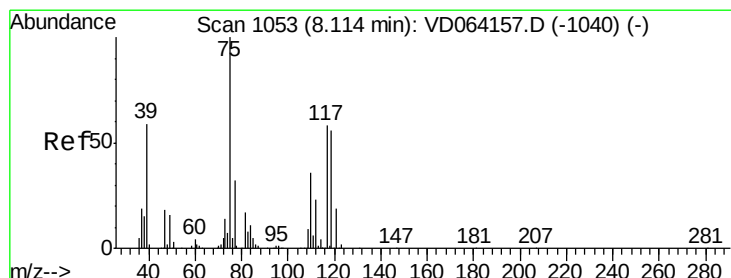
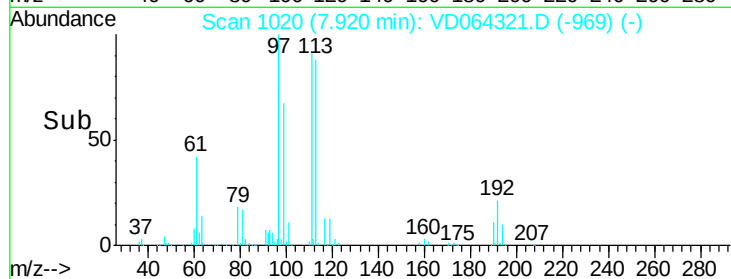
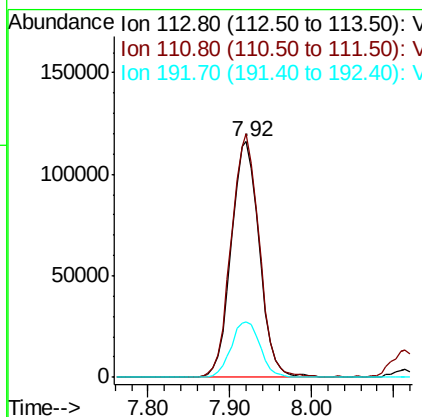
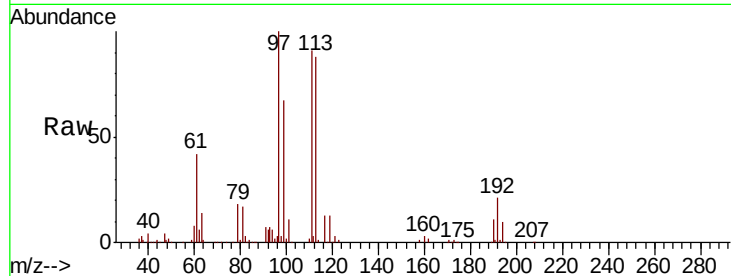
#35
 Dibromofluoromethane
 Concen: 48.211 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	278793		
111	103.0		81.5	122.3
192	24.3		18.8	28.2

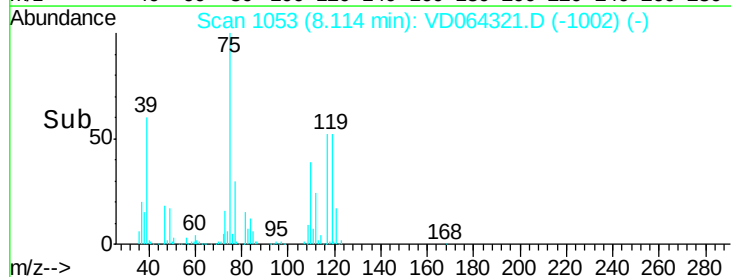
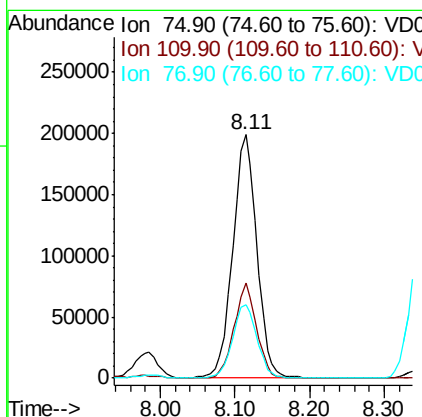
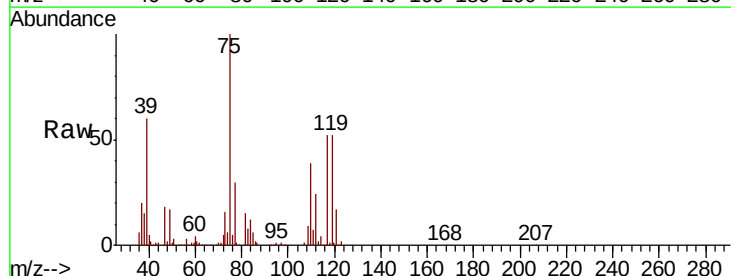
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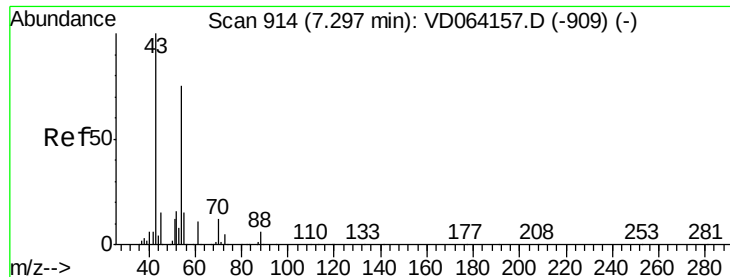
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#36
 1,1-Dichloropropene
 Concen: 47.817 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	444587		
110	36.4		18.3	54.9
77	30.9		25.0	37.6





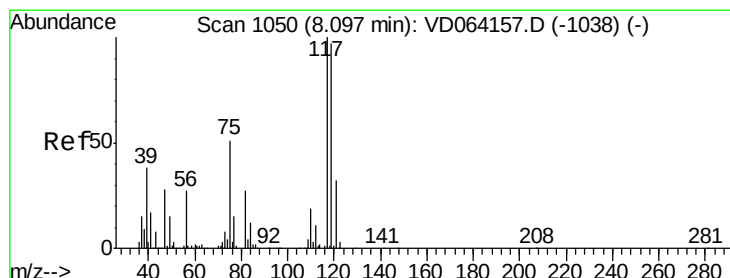
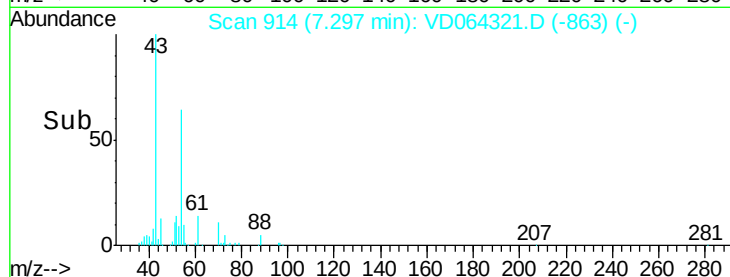
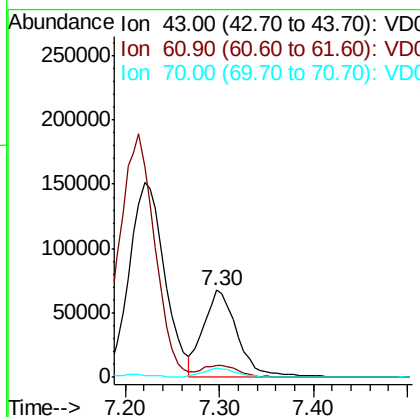
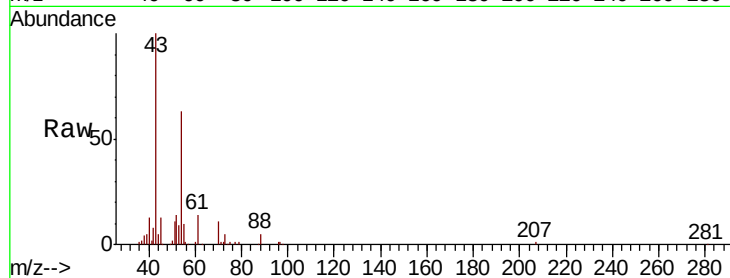
#37
Ethyl Acetate
Concen: 43.083 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.2	15.2
70	10.7	8.5	12.7

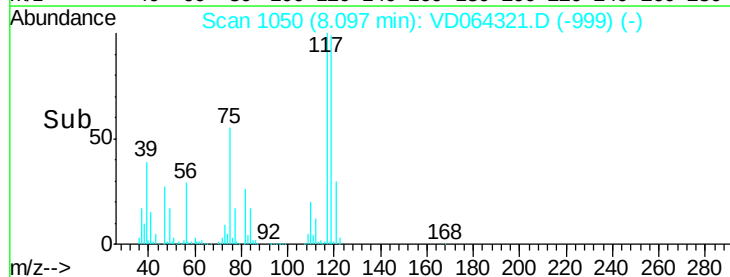
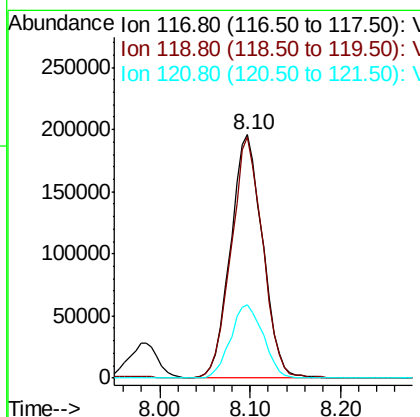
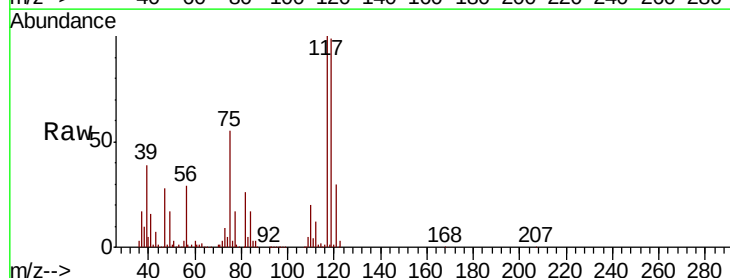
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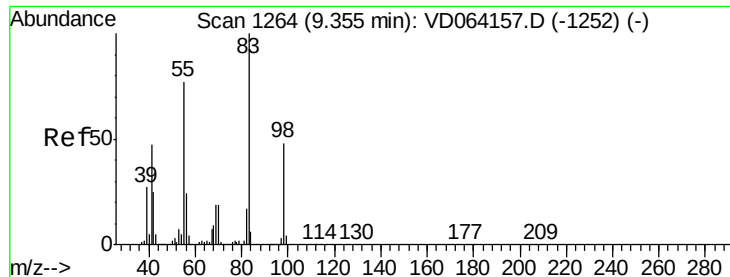
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#38
Carbon Tetrachloride
Concen: 48.181 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.2	115.8
121	30.3	25.5	38.3





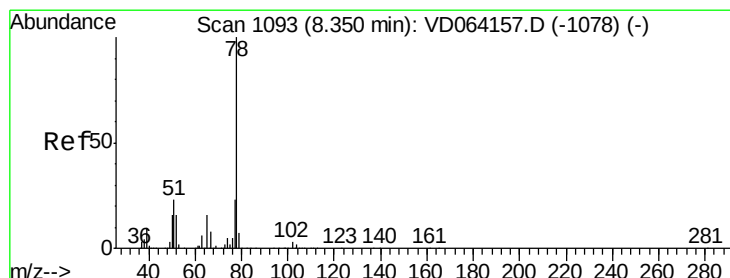
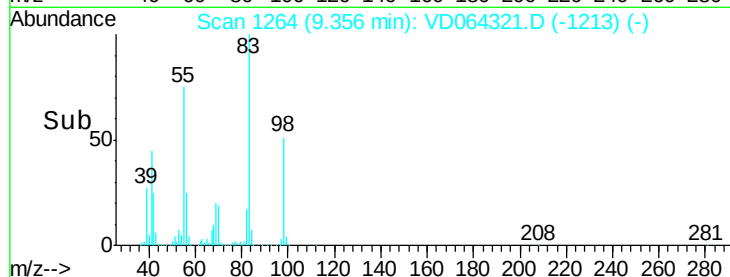
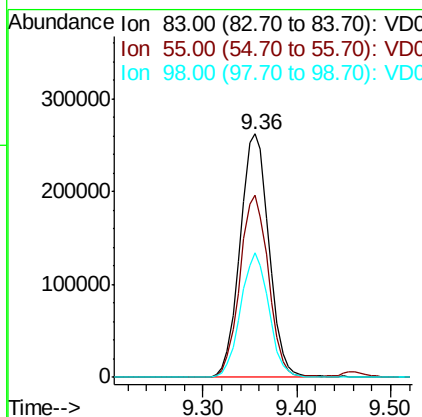
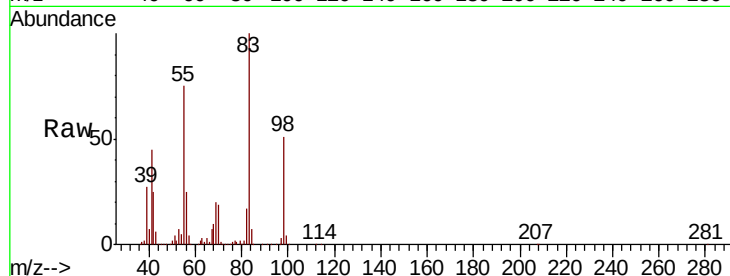
#39
Methylvlcyclohexane
Concen: 47.415 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.7	92.5
98	51.3	38.6	58.0

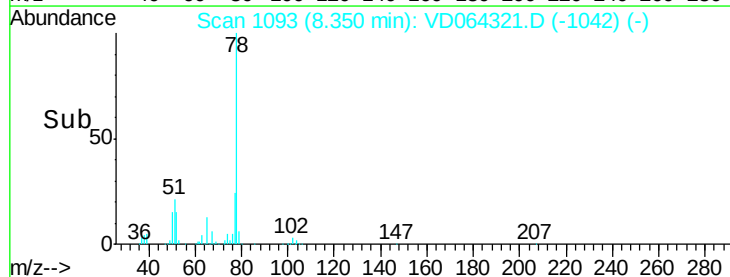
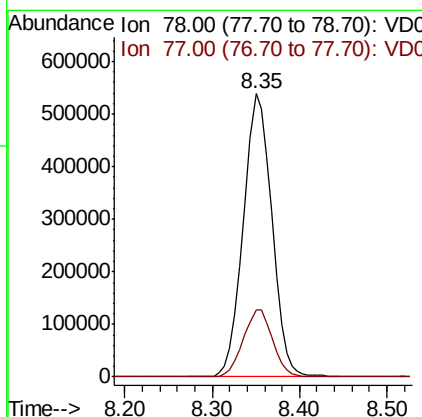
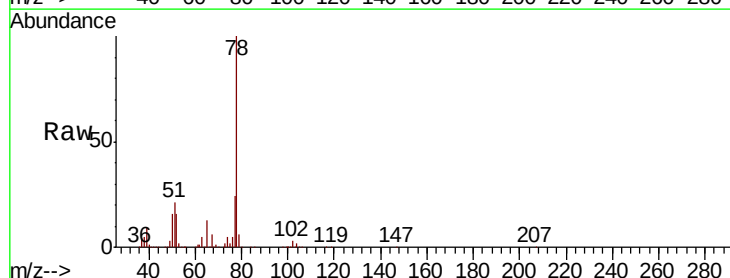
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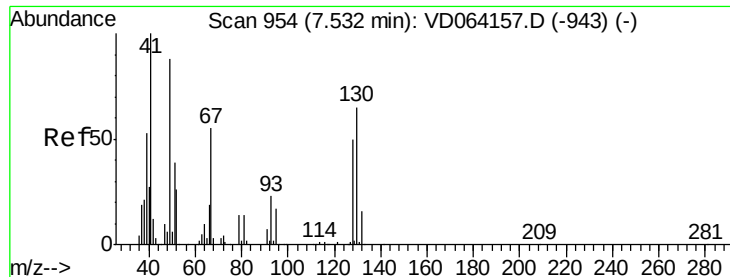
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#40
Benzene
Concen: 46.728 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





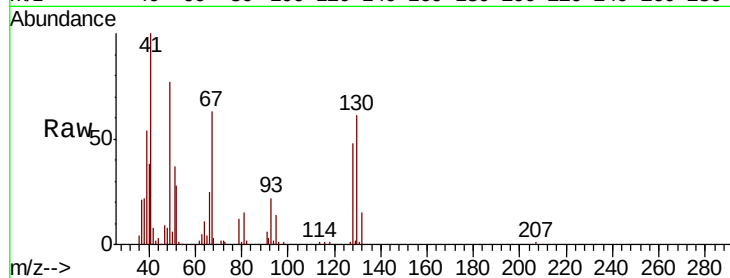
#41
Methacrylonitrile
Concen: 41.900 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

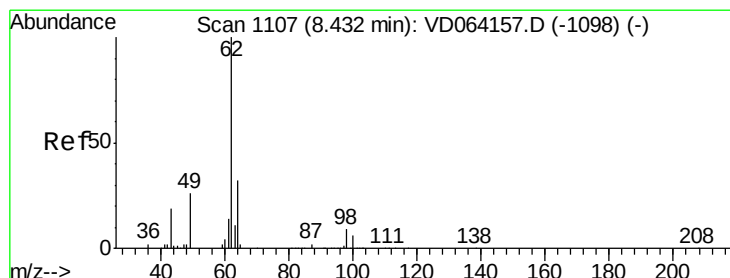
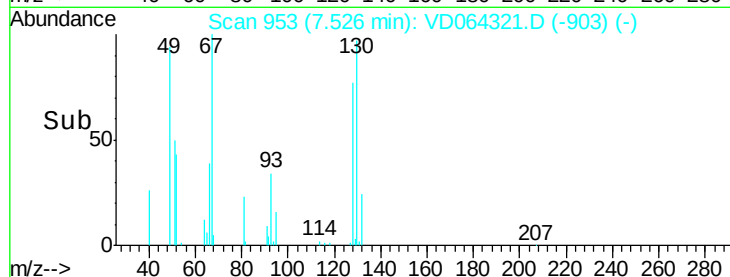
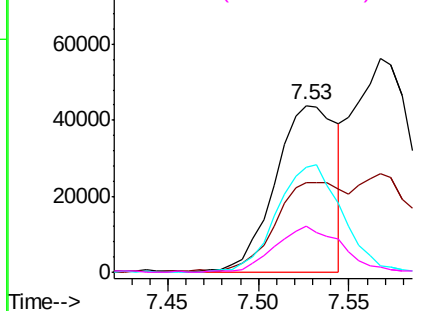
Tot Ion	Ratio	Lower	Upper
41	100		
39	61.7	49.4	74.2
67	68.8	49.6	74.4
52	30.8	21.4	32.0

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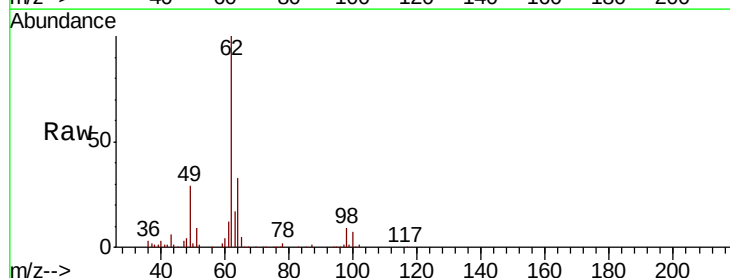


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

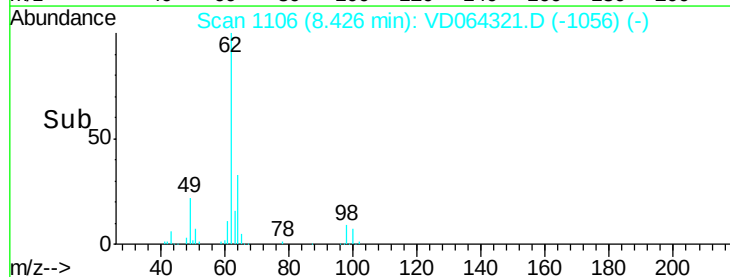
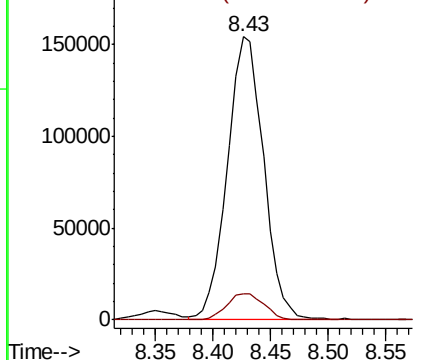


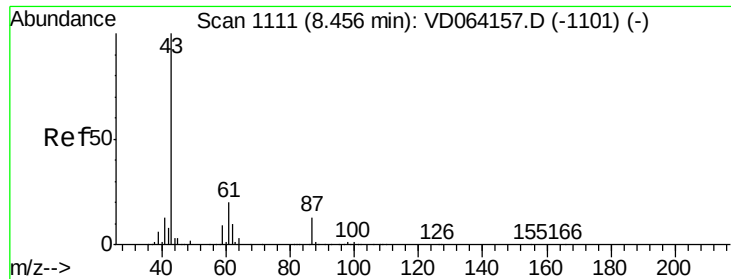
#42
1,2-Dichloroethane
Concen: 43.986 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	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: 43.338 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

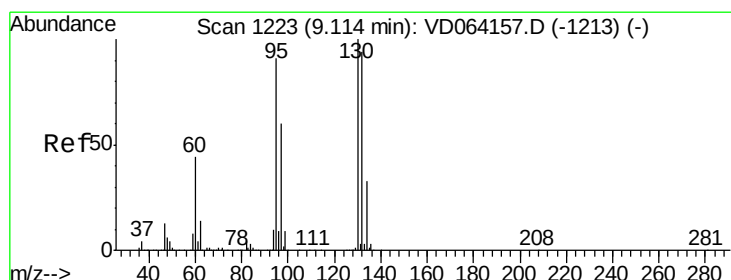
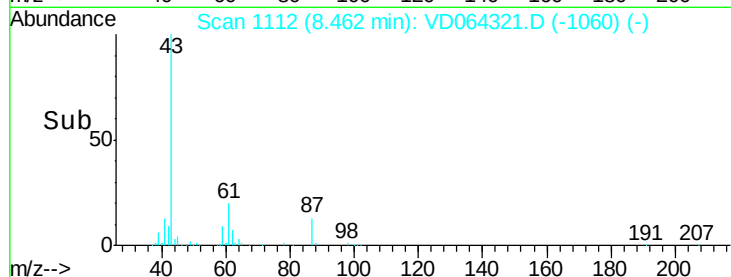
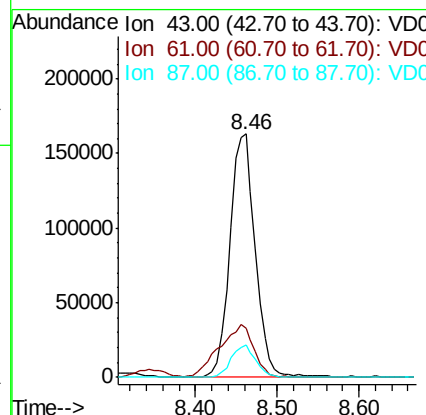
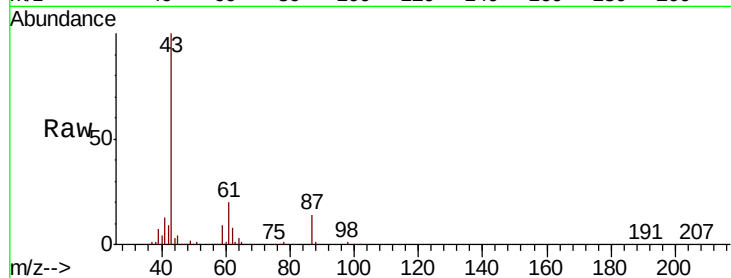
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	350000
Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.9	34.3
87	13.0	10.2	15.2

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#44

Trichloroethene

Concen: 47.808 ug/l

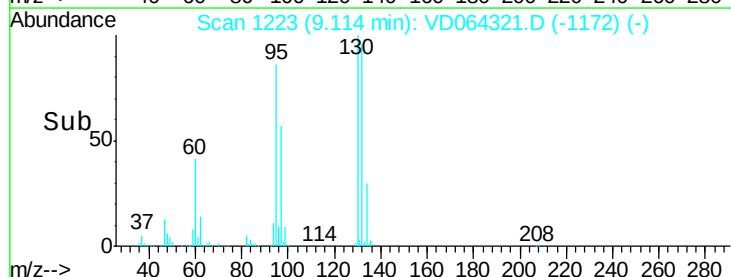
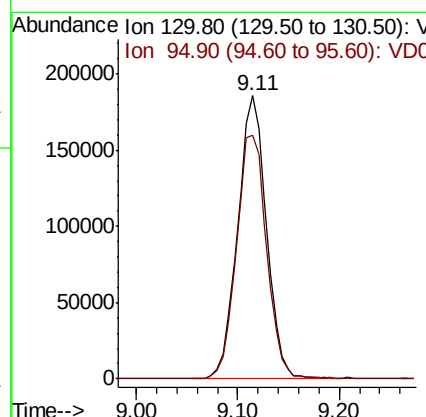
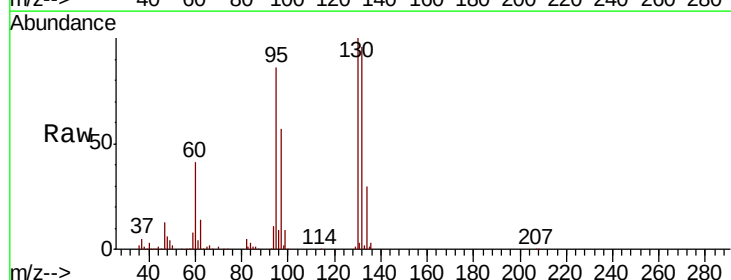
RT: 9.11 min Scan# 1223

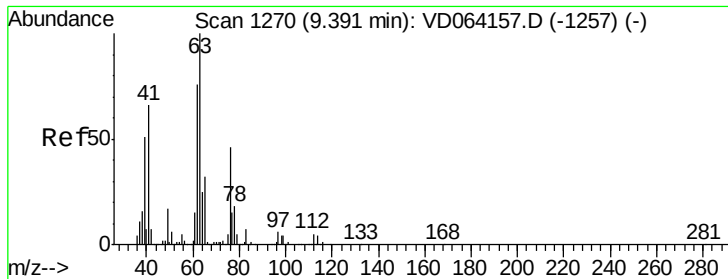
Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Tgt Ion:	130	Resp:	364610
Ion	Ratio	Lower	Upper
130	100		
95	86.2	0.0	181.6





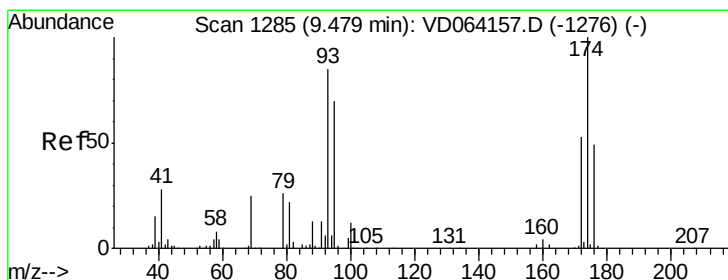
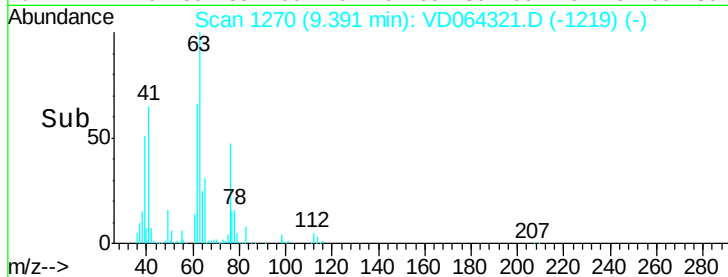
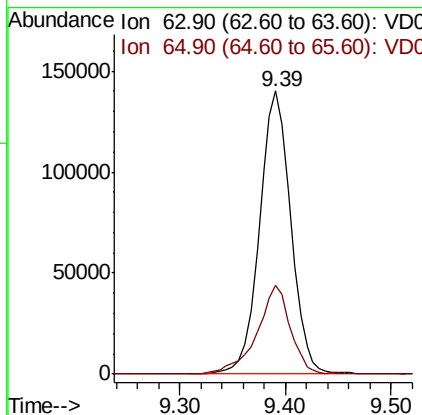
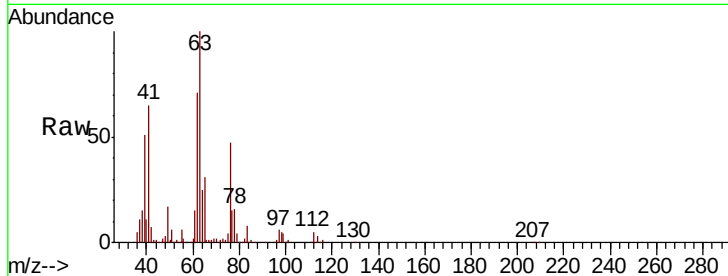
#45
 1,2-Dichloropropane
 Concen: 46.485 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	287504
Ion Ratio	Lower	Upper	
63	100		
65	31.1	25.7	38.5

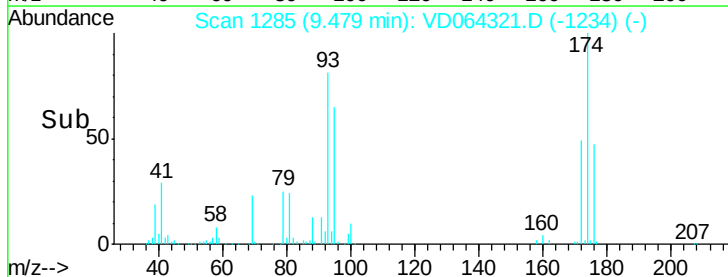
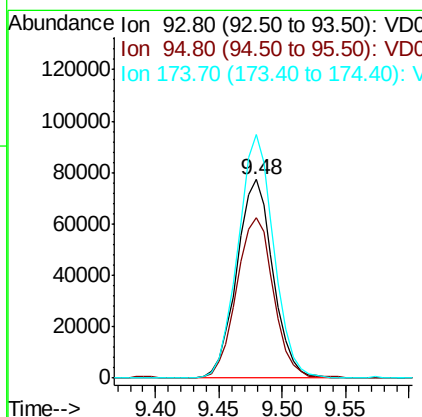
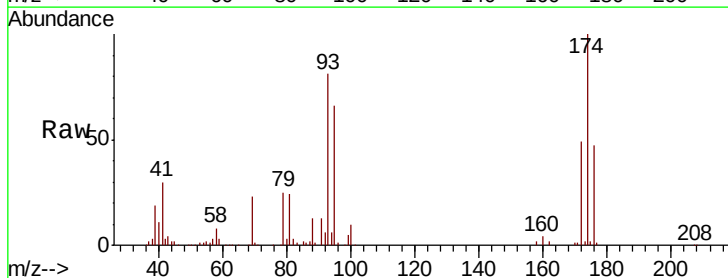
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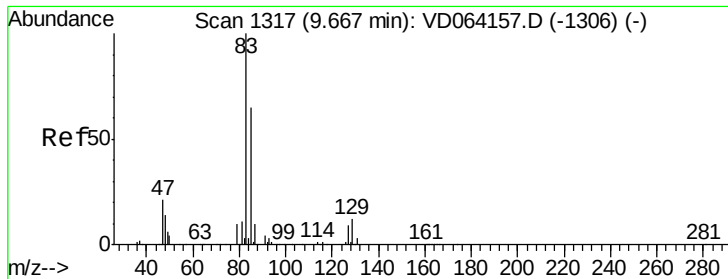
MMDadoda
 11/23/2019 6:11:34 AM



#46
 Dibromomethane
 Concen: 46.361 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Tgt Ion	93	Resp	153507
Ion Ratio	Lower	Upper	
93	100		
95	82.3	65.5	98.3
174	121.0	93.9	140.9





#47

Bromodichloromethane

Concen: 46.009 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

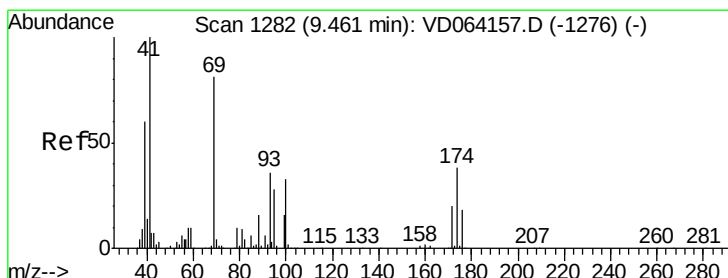
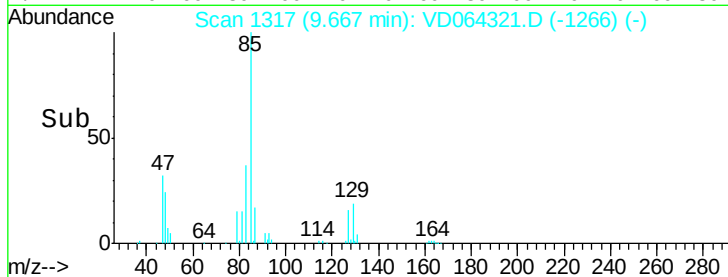
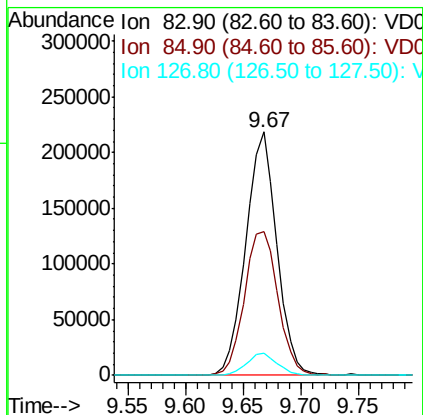
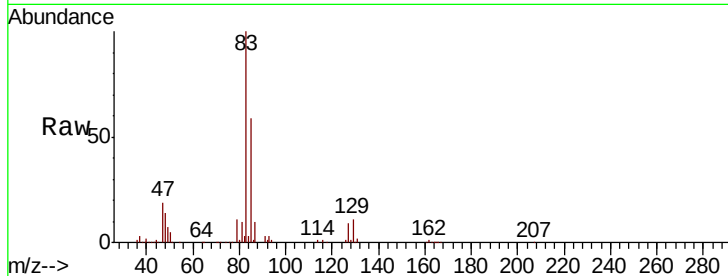
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	410349
Ion	Ratio	Lower	Upper
83	100		
85	59.2	52.2	78.4
127	9.3	7.5	11.3

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#48

Methyl methacrylate

Concen: 41.058 ug/l

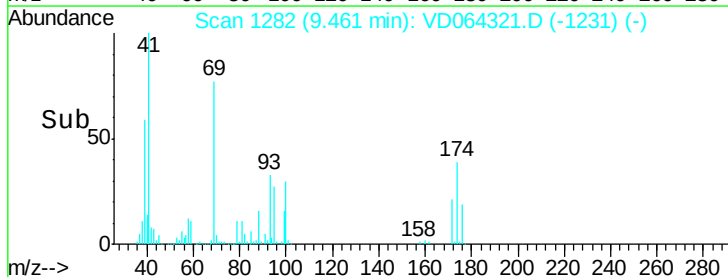
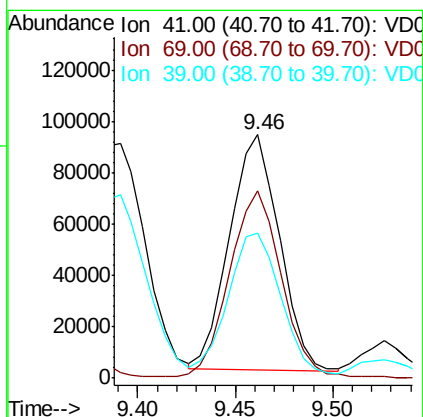
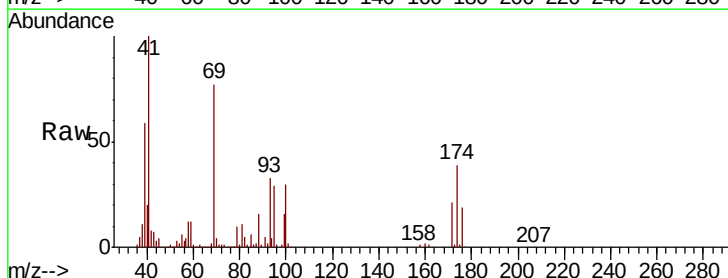
RT: 9.46 min Scan# 1282

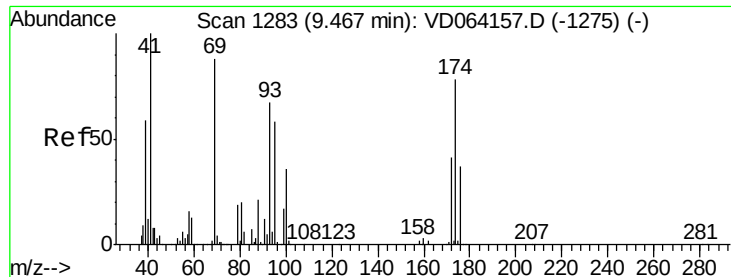
Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Tgt Ion:	41	Resp:	162140
Ion	Ratio	Lower	Upper
41	100		
69	82.7	64.6	97.0
39	62.1	48.2	72.2





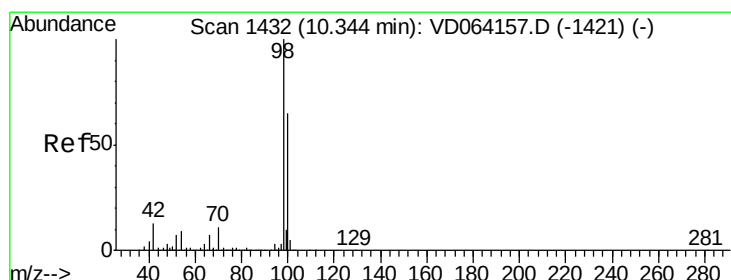
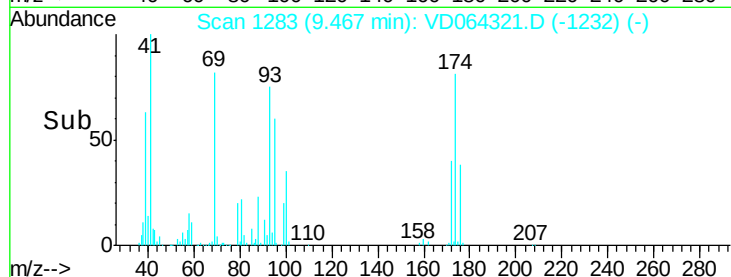
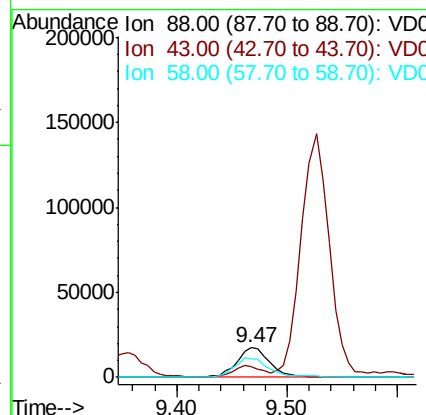
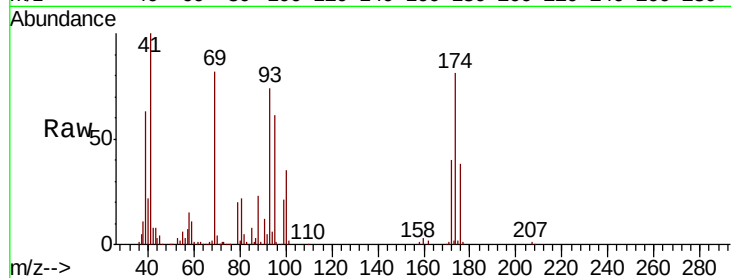
#49
1,4-Dioxane
Concen: 929.953 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	29.8	44.8
58	65.5	58.1	87.1

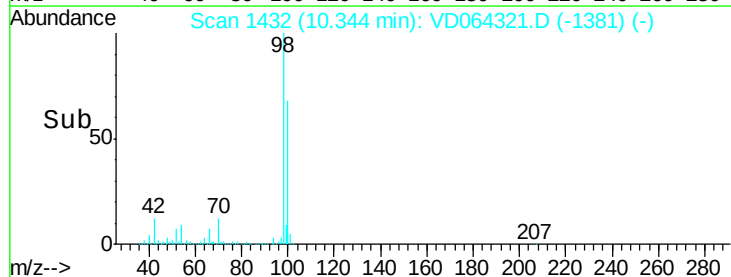
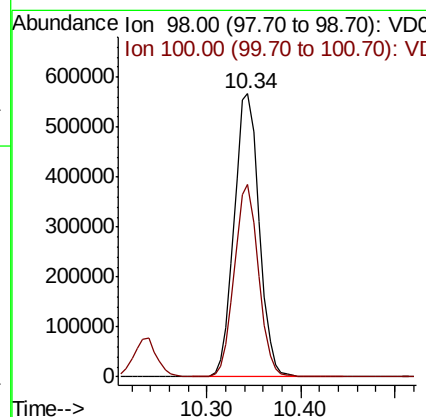
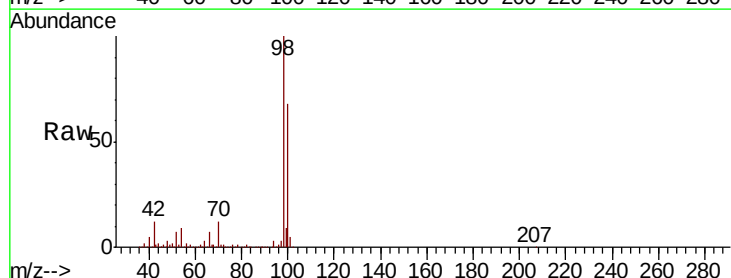
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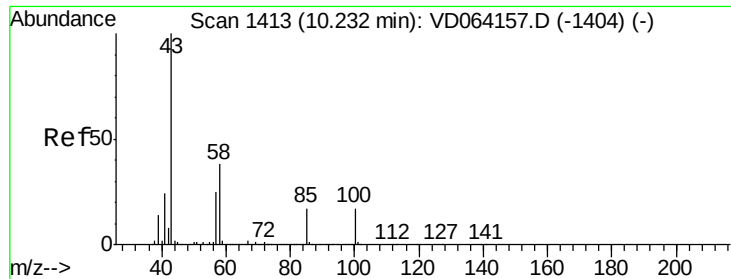
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#50
Toluene-d8
Concen: 48.103 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	78.8





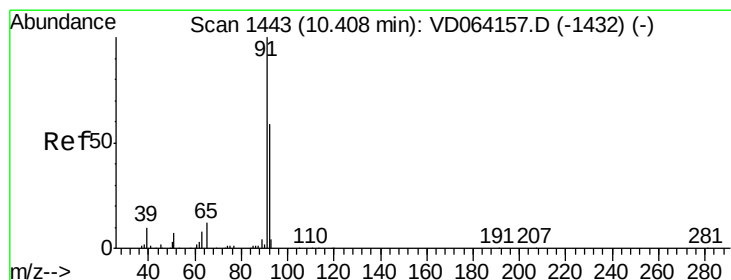
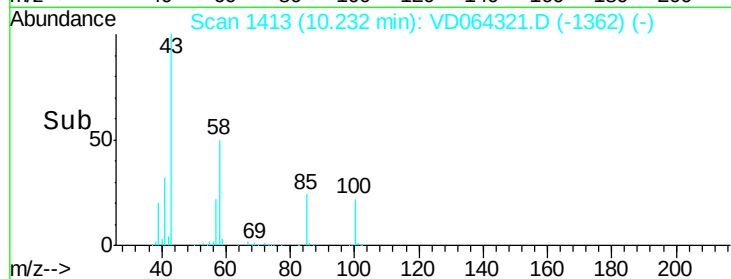
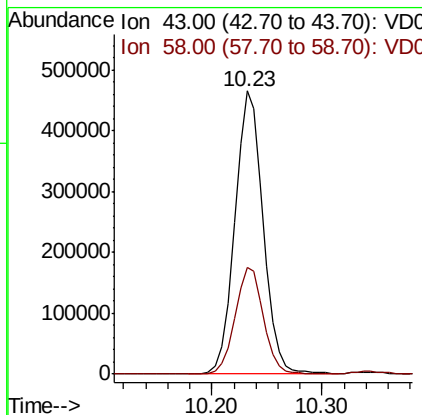
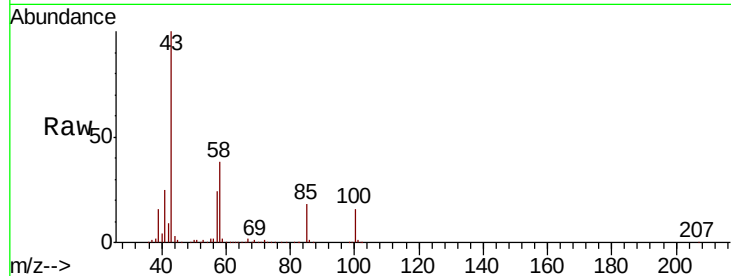
#51
4-Methyl-2-Pentanone
Concen: 215.609 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 835026
Ion Ratio Lower Upper
43 100
58 37.9 30.2 45.4

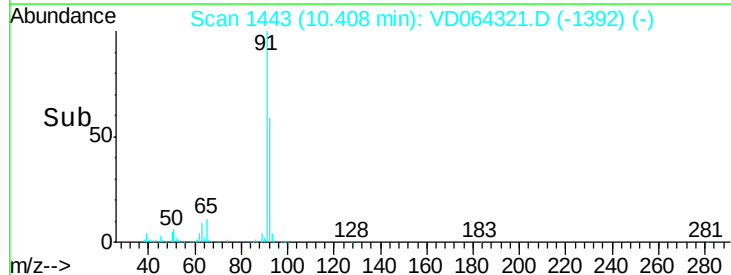
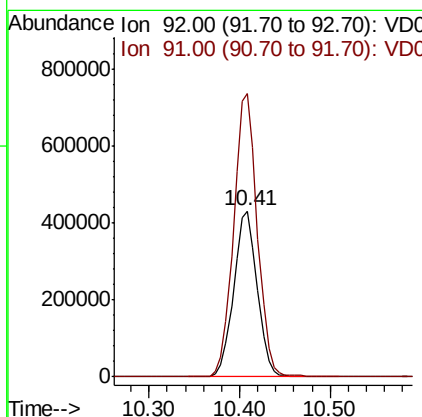
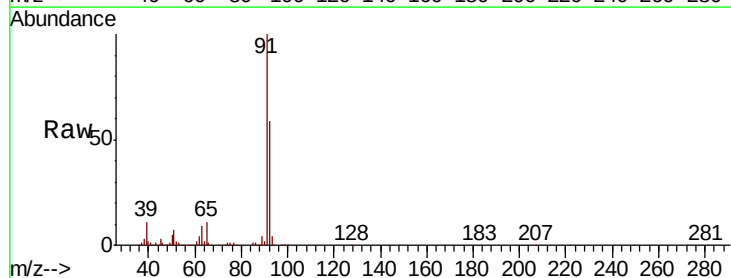
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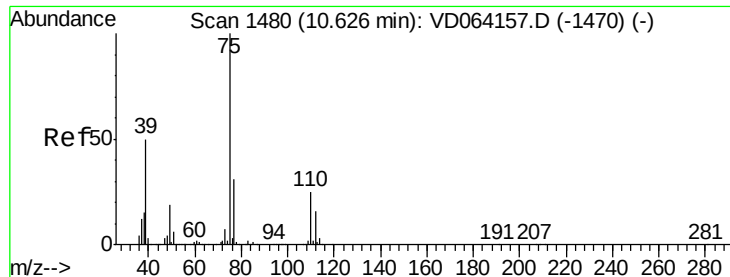
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#52
Toluene
Concen: 46.780 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion: 92 Resp: 781647
Ion Ratio Lower Upper
92 100
91 171.9 136.4 204.6





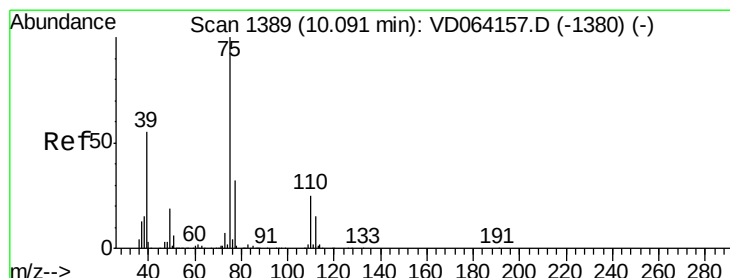
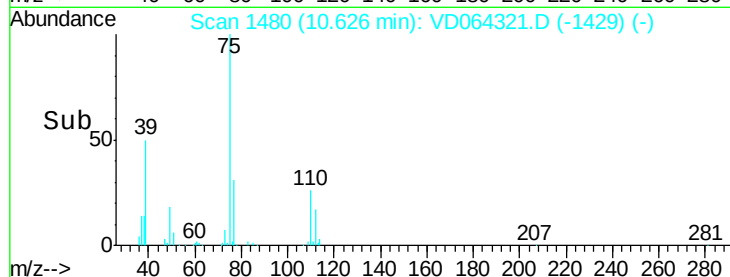
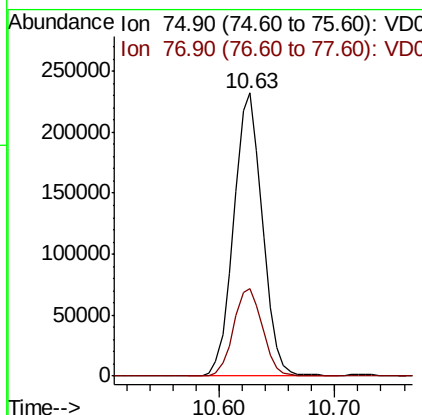
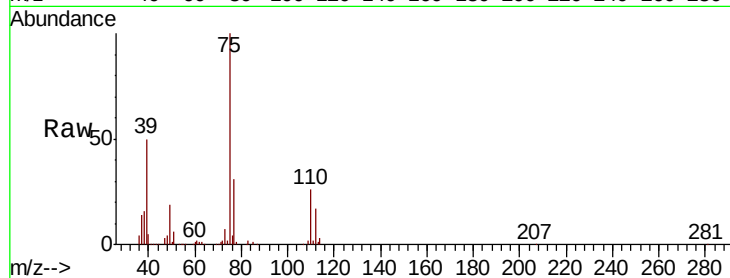
#53
t-1,3-Dichloropropene
Concen: 44.688 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.7	37.1

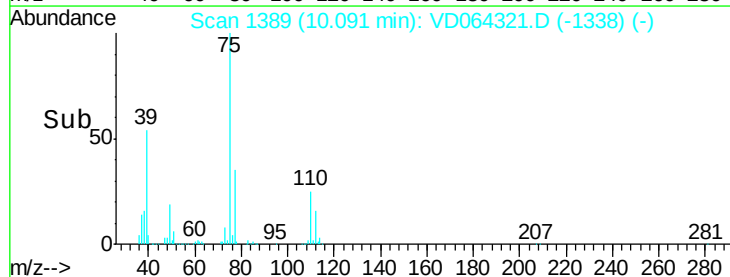
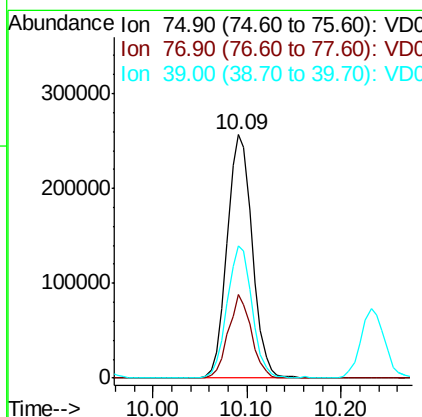
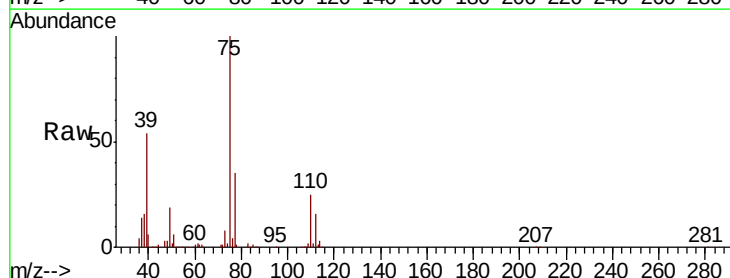
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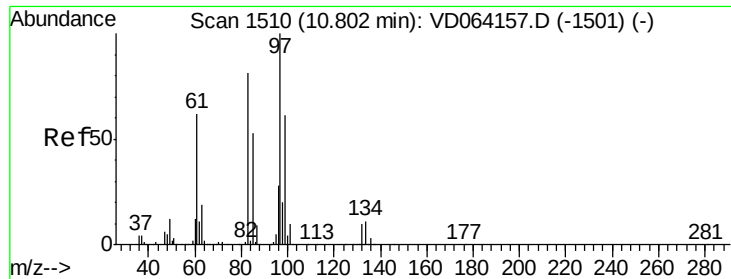
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#54
cis-1,3-Dichloropropene
Concen: 45.611 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.5	25.2	37.8
39	54.1	44.2	66.2





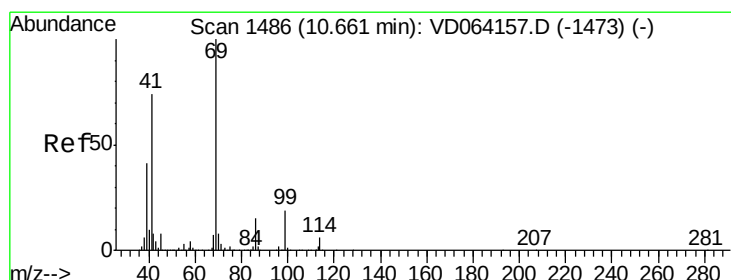
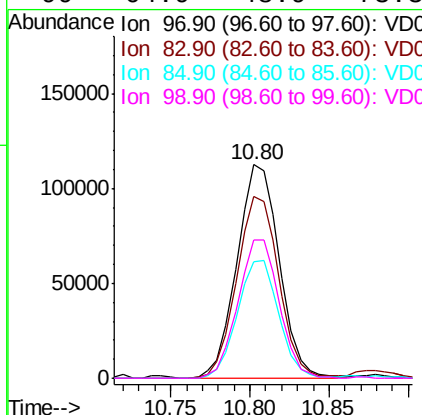
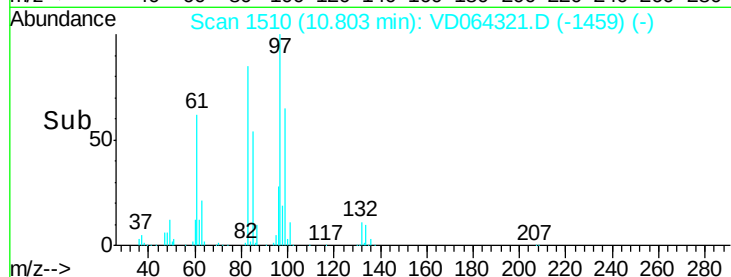
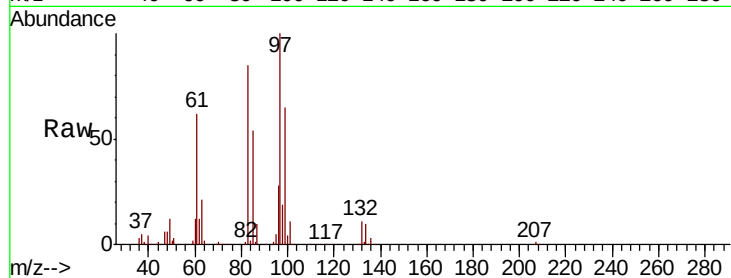
#55
 1,1,2-Trichloroethane
 Concen: 46.419 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	208503
Ion	Ratio	Lower	Upper
97	100		
83	84.8	65.1	97.7
85	54.5	42.0	63.0
99	64.9	48.9	73.3

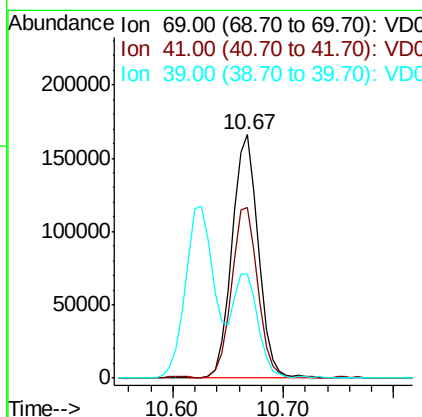
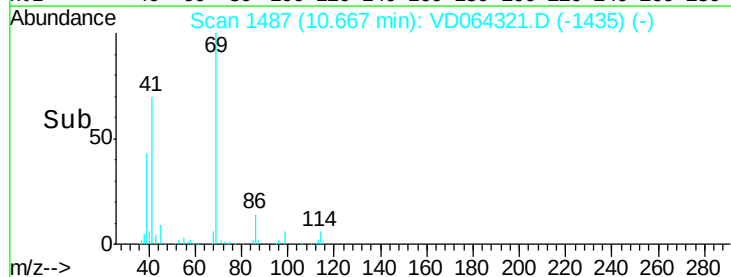
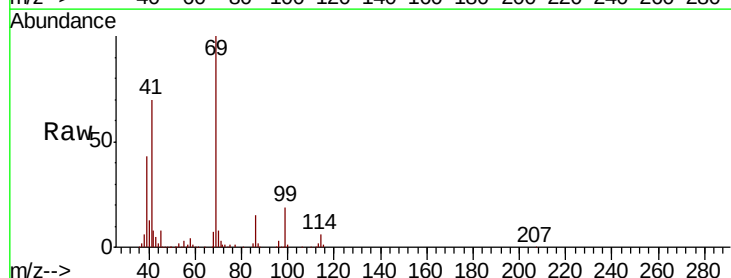
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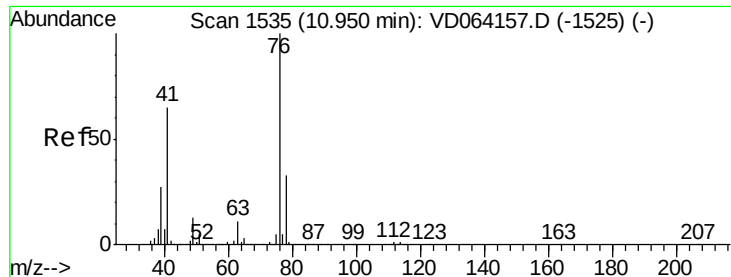
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#56
 Ethyl methacrylate
 Concen: 44.304 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Tgt Ion	69	Resp	278381
Ion	Ratio	Lower	Upper
69	100		
41	69.3	57.9	86.9
39	38.1	29.0	43.4





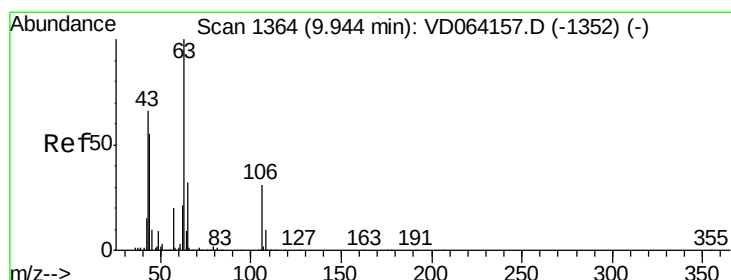
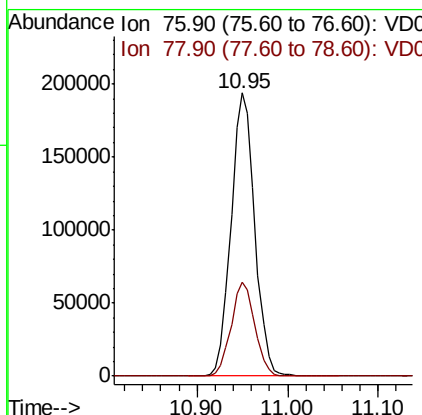
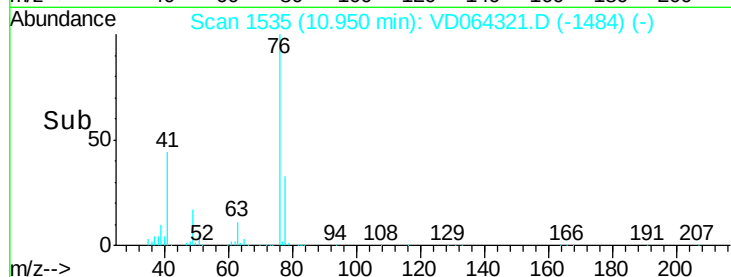
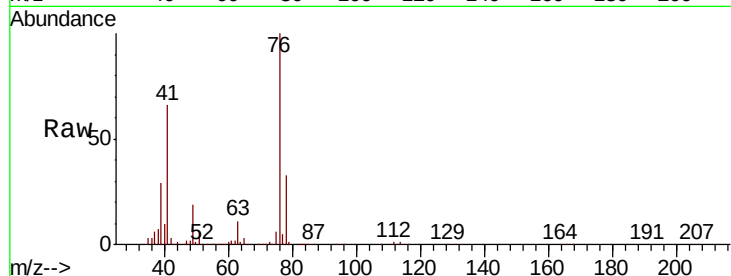
#57
 1,3-Dichloropropane
 Concen: 45.076 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 353112
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.4

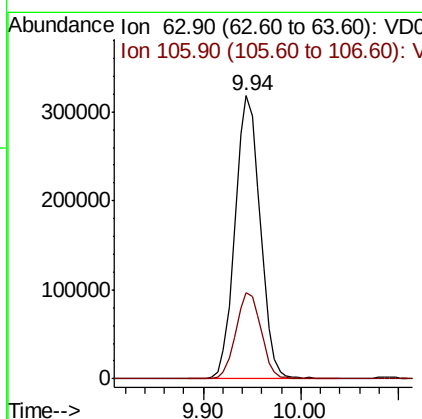
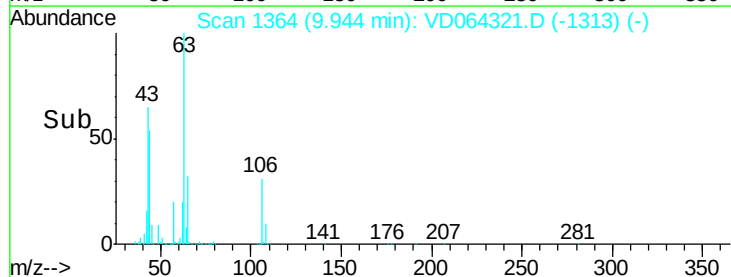
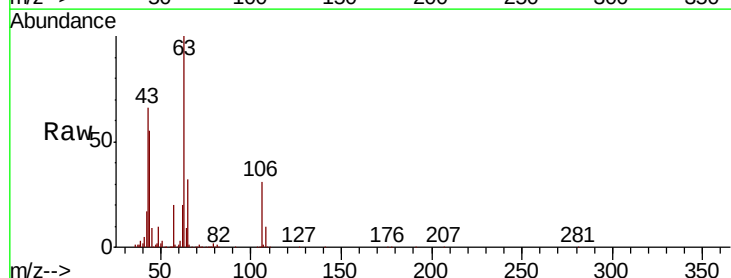
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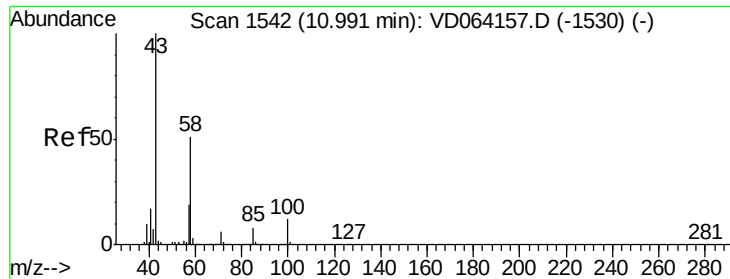
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 11/23/2019 6:11:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.958 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Tgt Ion: 63 Resp: 572576
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.1 36.1





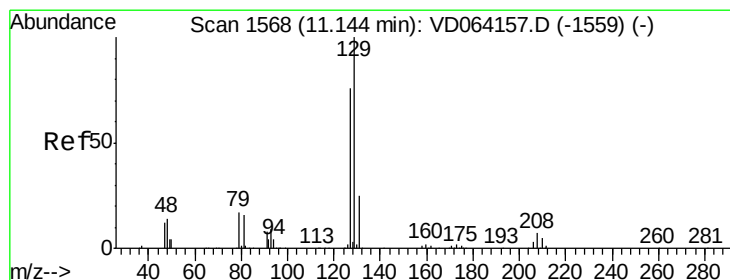
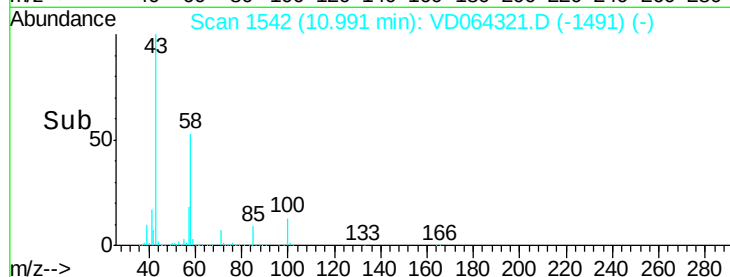
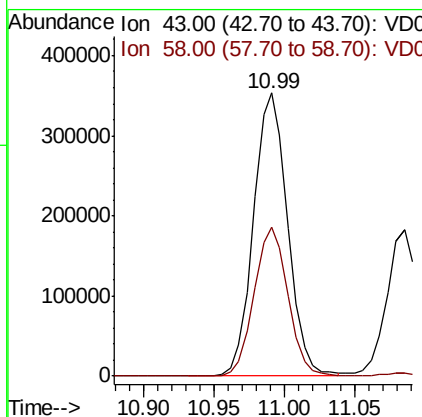
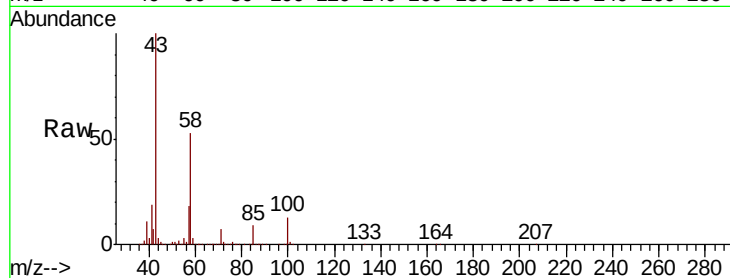
#59
2-Hexanone
Concen: 217.382 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 598958
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7

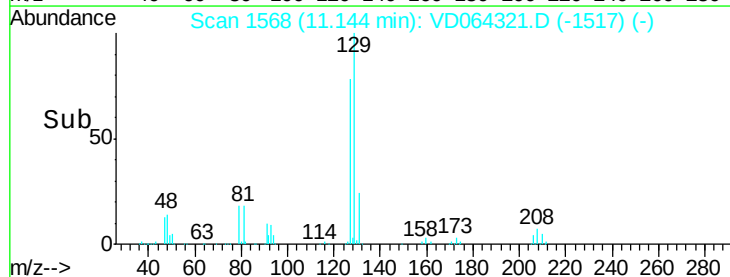
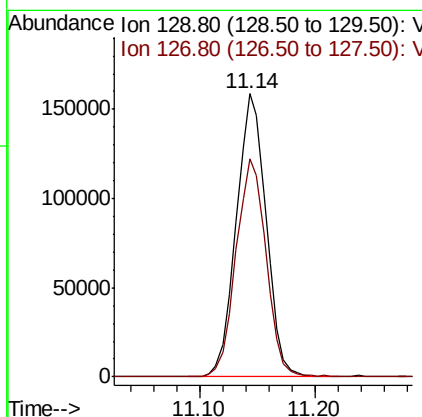
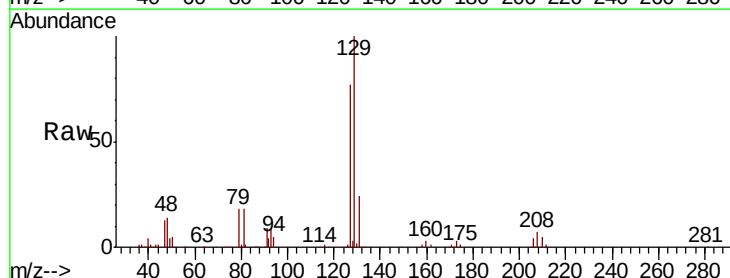
Manual Integrations
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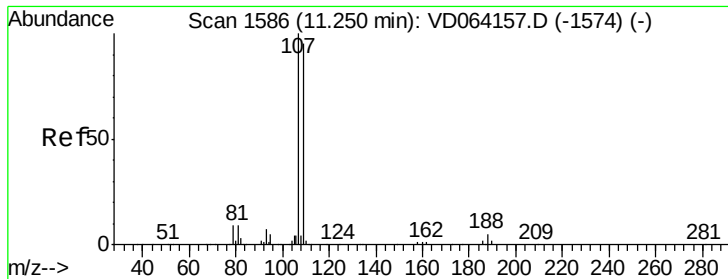
MMDadoda
11/23/2019 6:11:34 AM



#60
Dibromochloromethane
Concen: 45.363 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion: 129 Resp: 284324
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





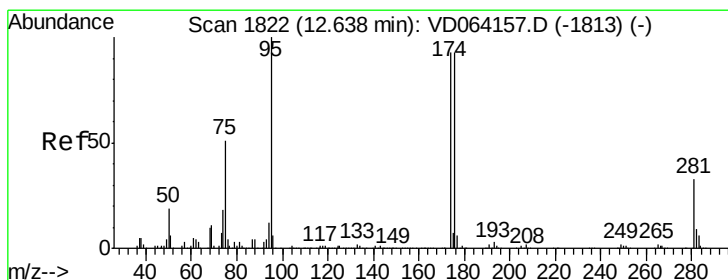
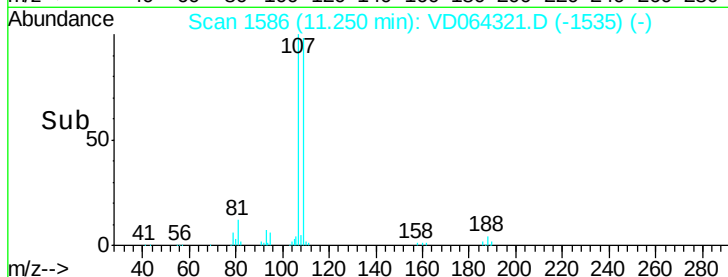
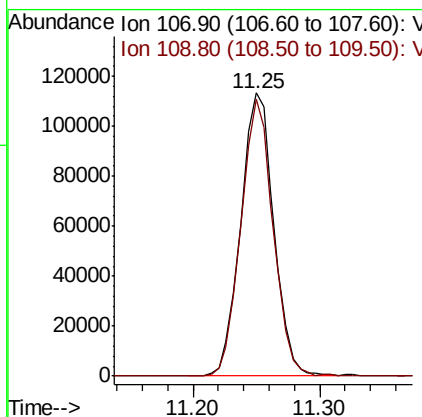
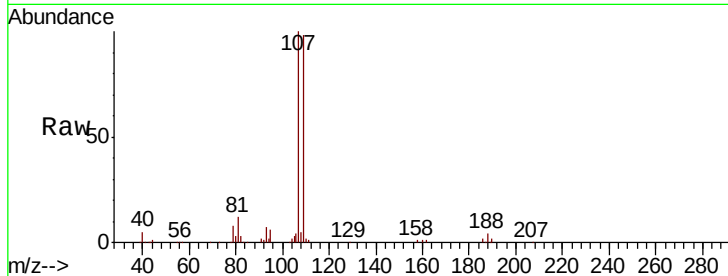
#61
 1,2-Dibromoethane
 Concen: 45.652 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.1	112.7

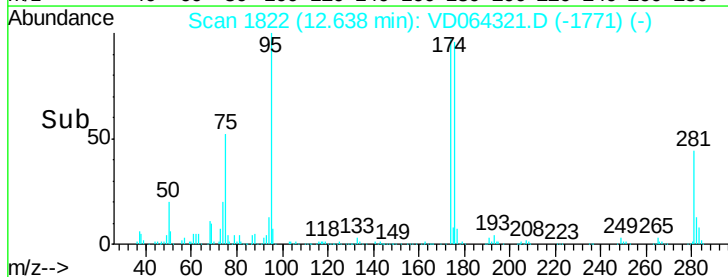
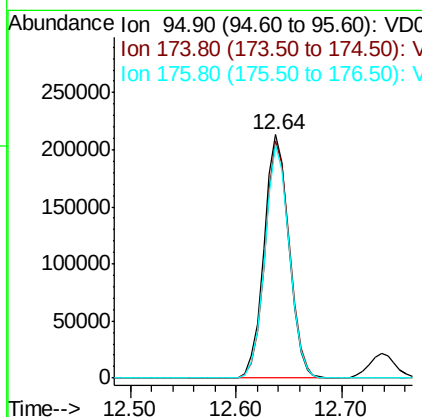
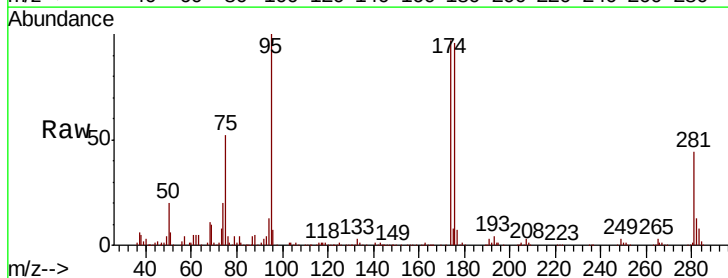
Manual Integrations
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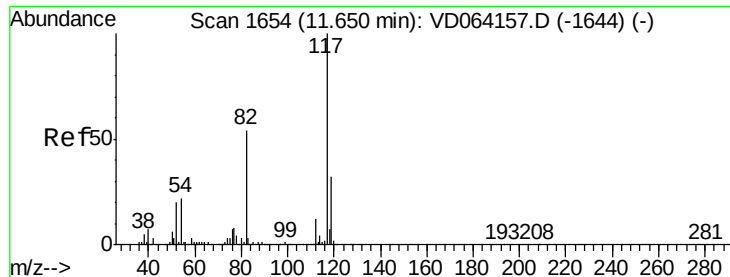
MMDadoda
 11/23/2019 6:11:34 AM



#62
 4-Bromofluorobenzene
 Concen: 46.056 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	183.6
176	94.0	0.0	180.2





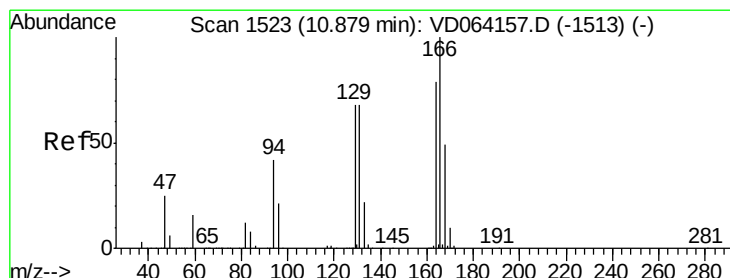
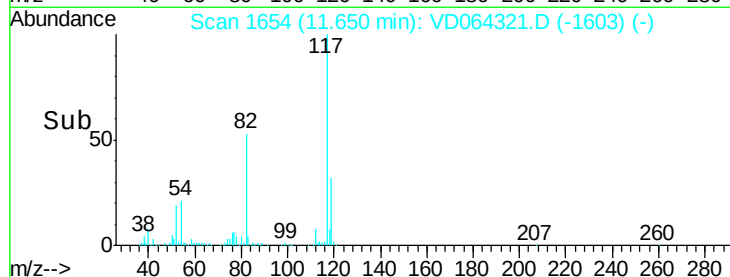
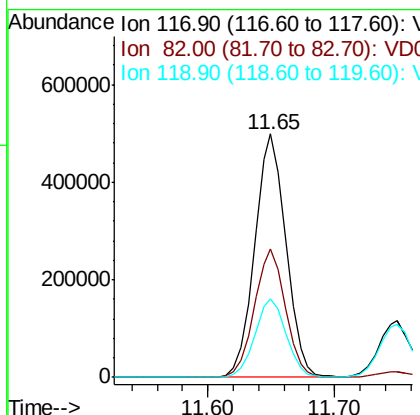
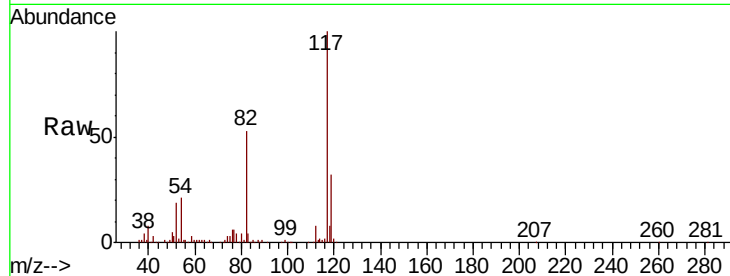
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.8	64.2
119	32.1	25.6	38.4

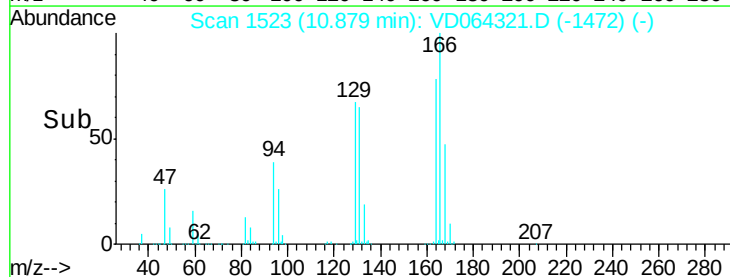
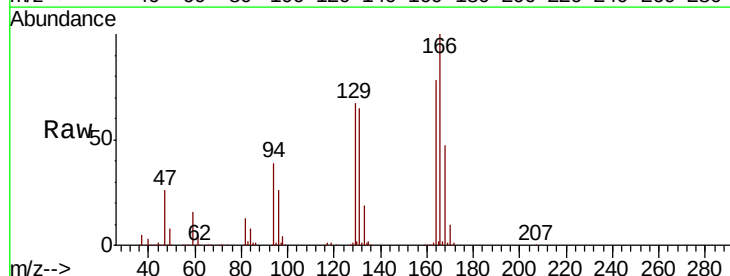
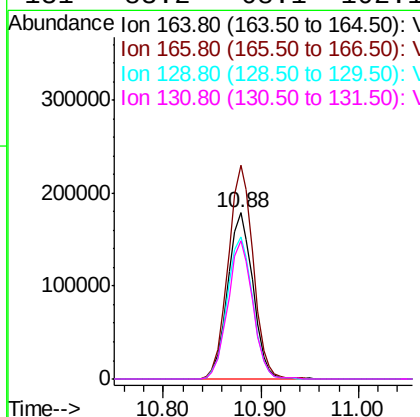
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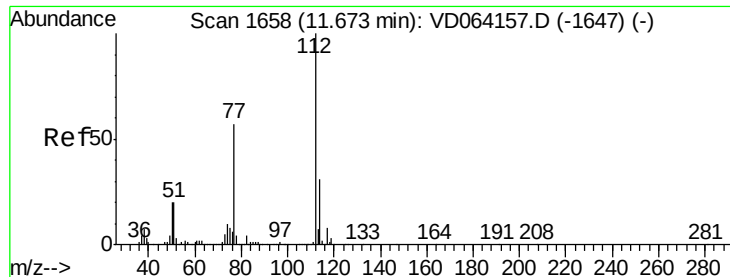
MMDadoda
11/23/2019 6:11:34 AM



#64
Tetrachloroethene
Concen: 48.757 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.8	151.2
129	86.1	68.7	103.1
131	83.2	68.1	102.1





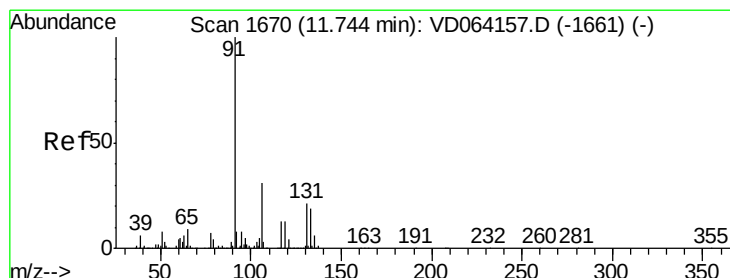
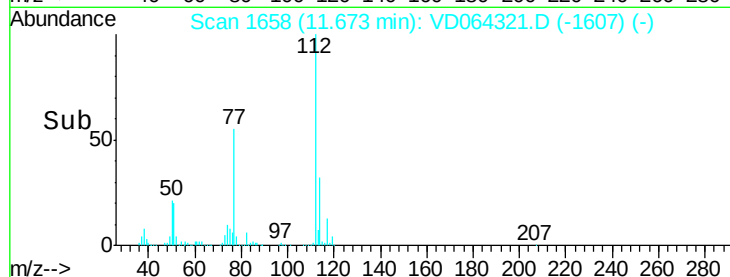
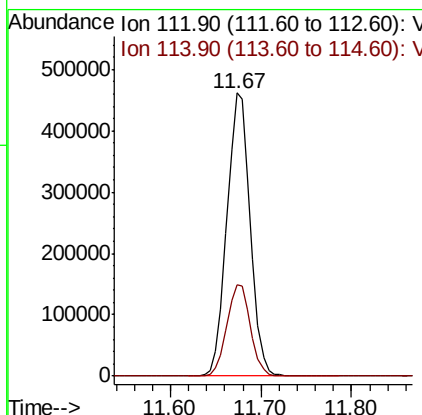
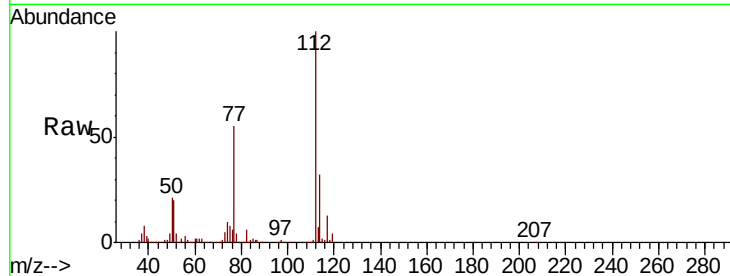
#65
Chlorobenzene
Concen: 47.186 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.2	37.8

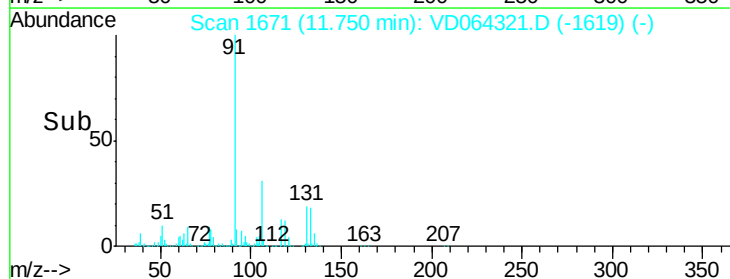
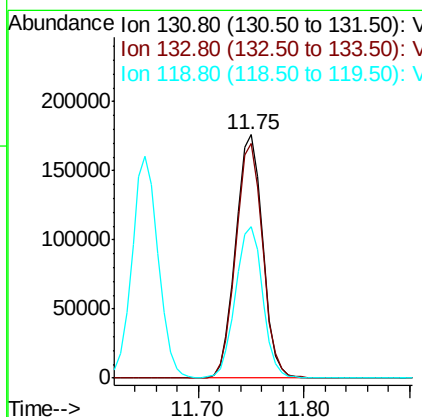
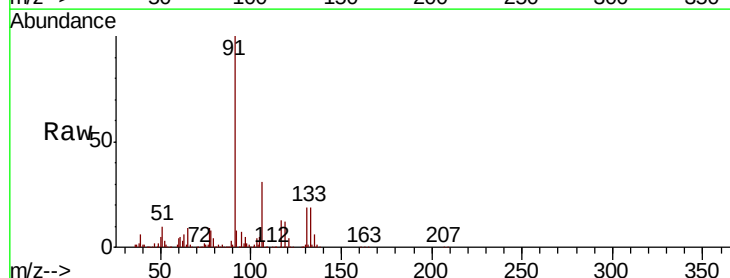
Manual Integrations
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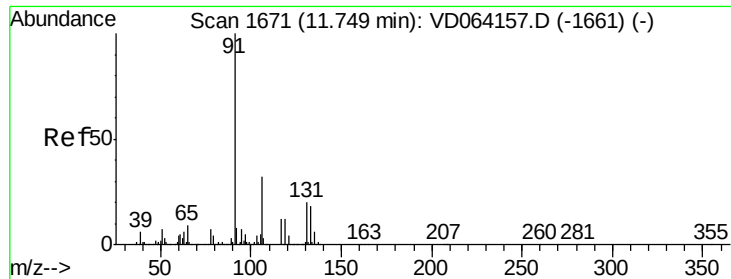
MMDadoda
11/23/2019 6:11:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.941 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.3	141.9
119	62.9	31.1	93.3





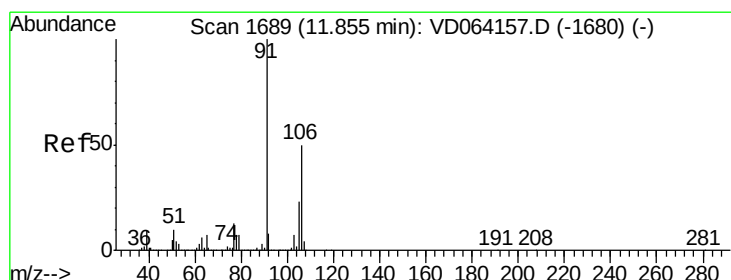
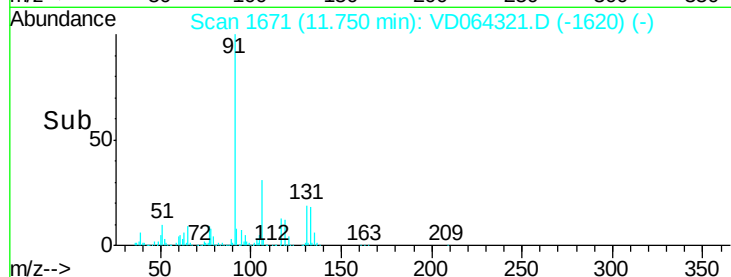
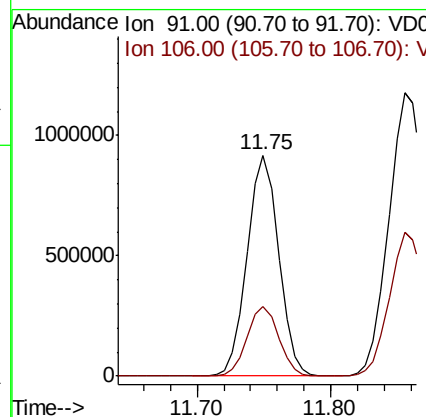
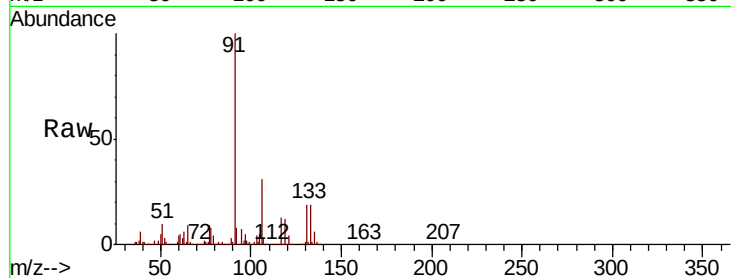
#67
Ethyl Benzene
Concen: 47.564 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1498934
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

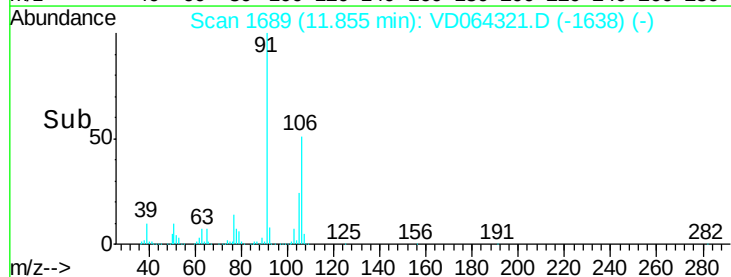
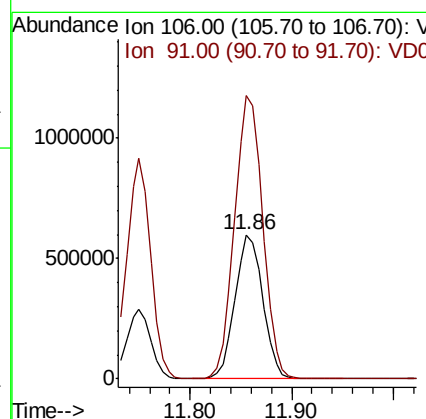
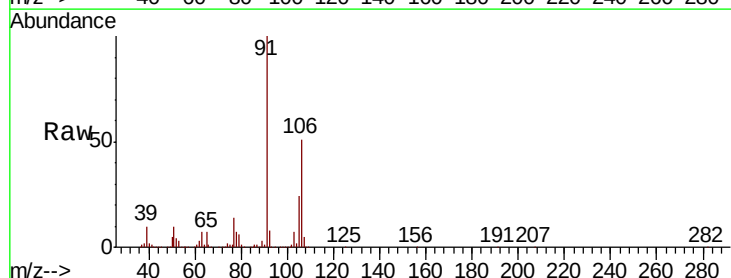
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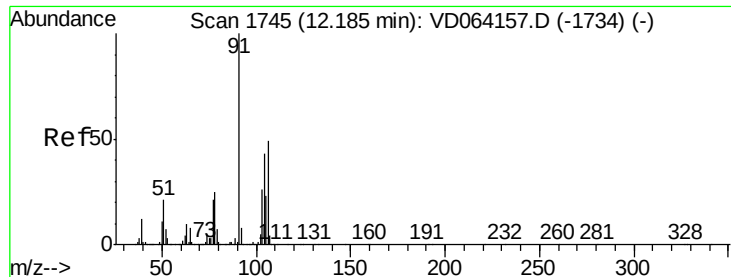
MMDadoda
11/23/2019 6:11:34 AM



#68
m/p-Xylenes
Concen: 94.501 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion: 106 Resp: 1141519
Ion Ratio Lower Upper
106 100
91 199.9 160.3 240.5





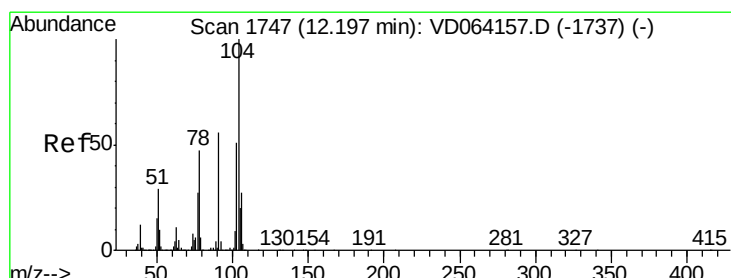
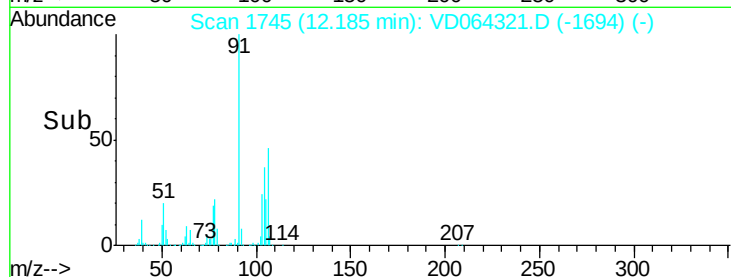
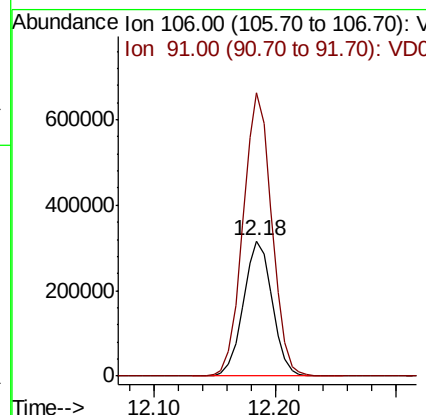
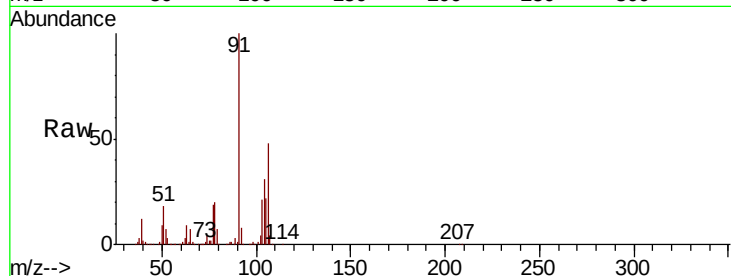
#69
o-Xylene
Concen: 46.905 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.5	105.1	315.3

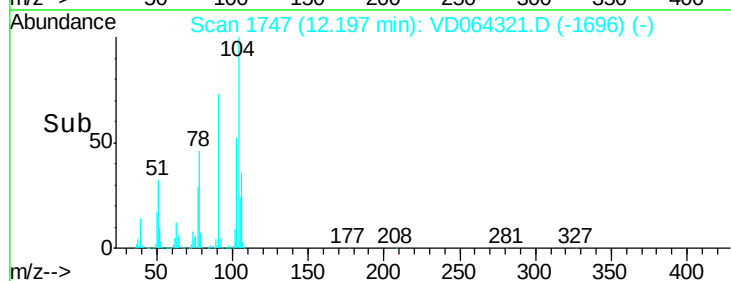
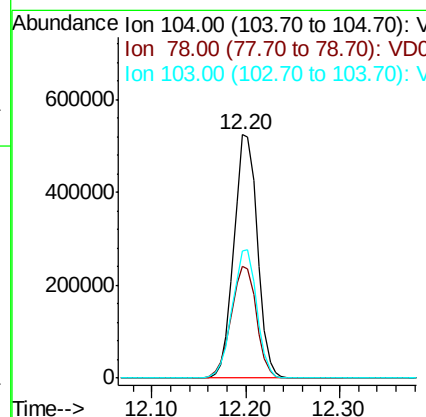
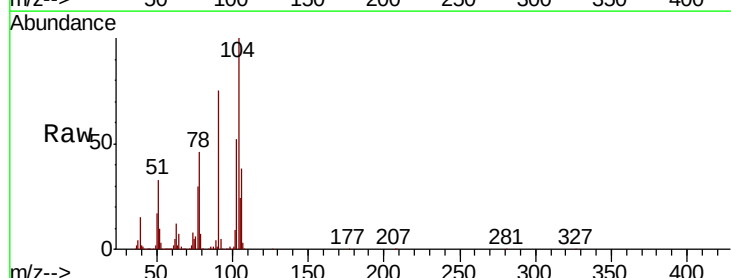
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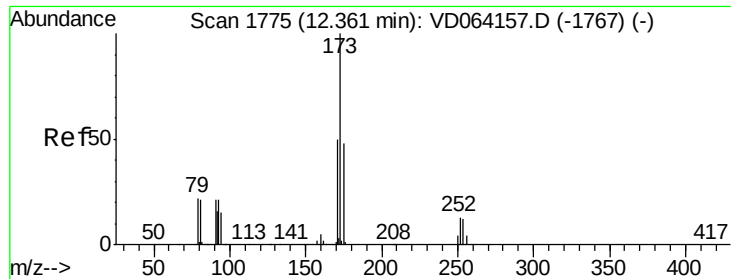
MMDadoda
11/23/2019 6:11:34 AM



#70
Styrene
Concen: 46.673 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.9	59.9
103	55.1	43.4	65.0





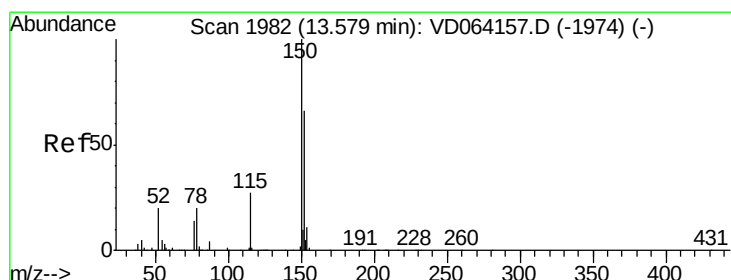
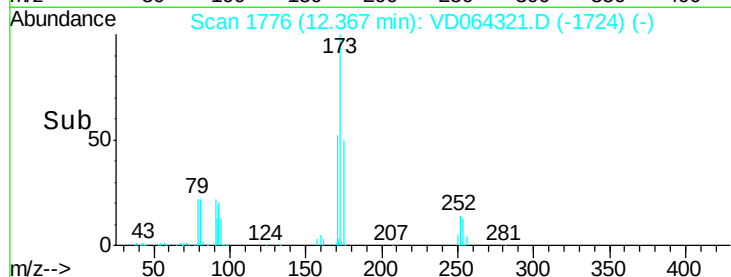
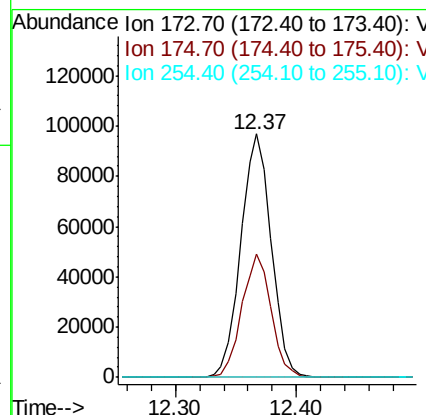
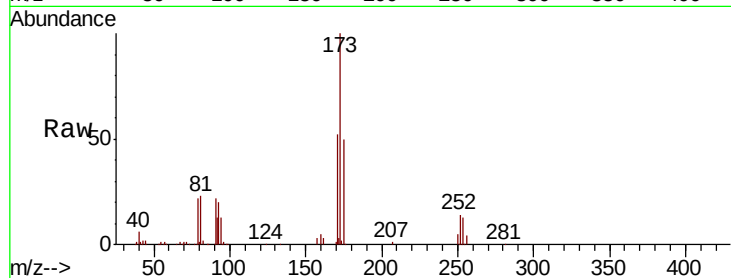
#71
Bromoform
Concen: 45.158 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.2	0.2	0.2

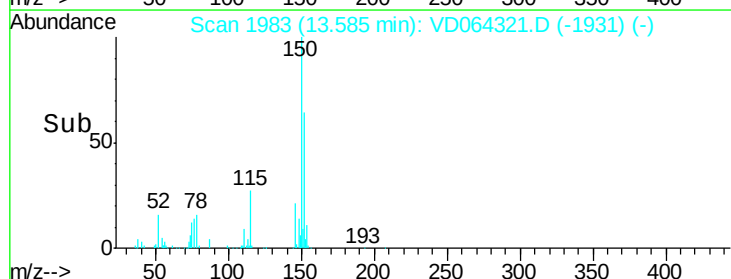
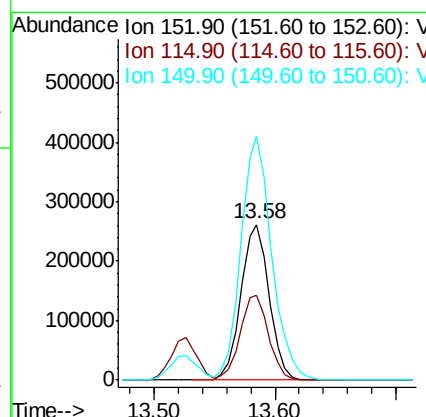
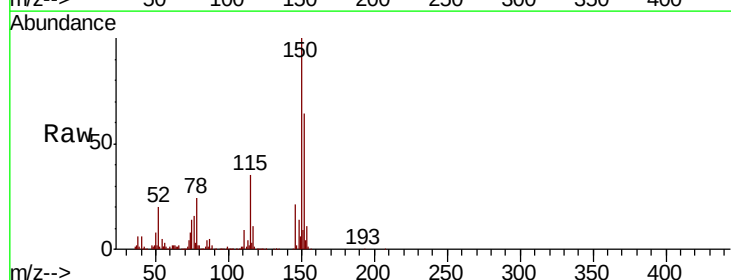
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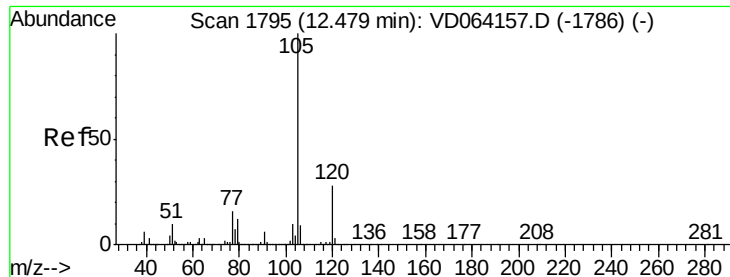
MMDadoda
11/23/2019 6:11:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.4	82.2
150	170.8	0.0	351.6





#73

Isopropylbenzene

Concen: 47.855 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1493947

Ion Ratio Lower Upper

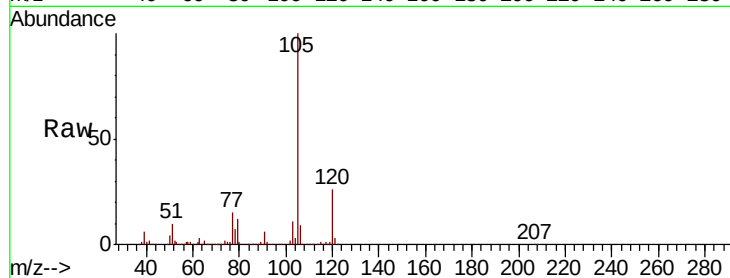
105 100

120 27.1 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

1000000

800000

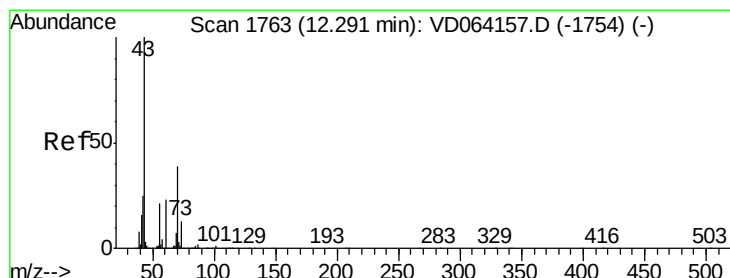
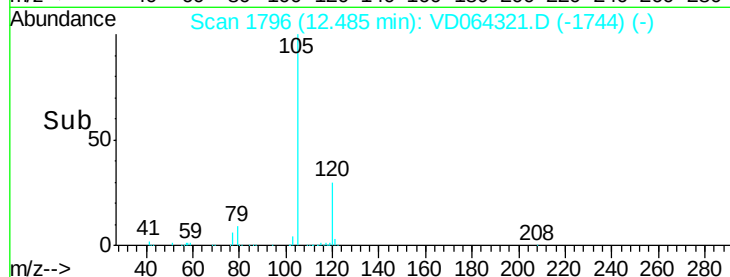
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 43.037 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Tgt Ion: 43 Resp: 317275

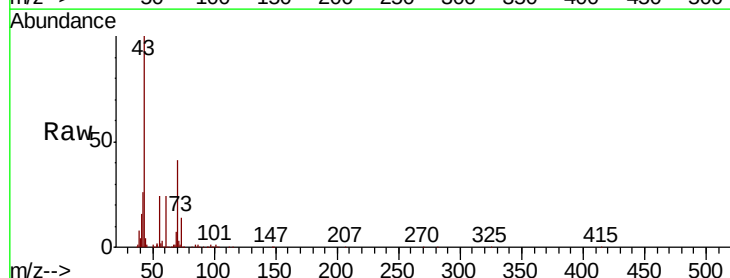
Ion Ratio Lower Upper

43 100

70 41.5 32.4 48.6

55 22.5 17.9 26.9

61 22.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

300000

250000

200000

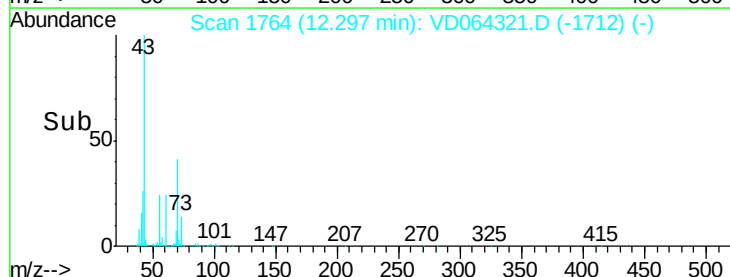
150000

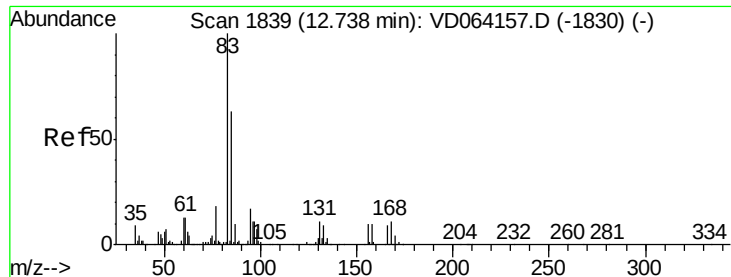
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.303 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

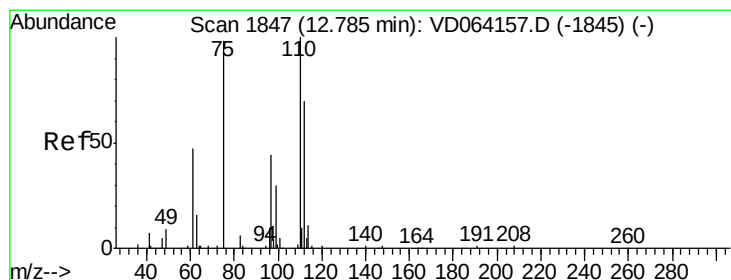
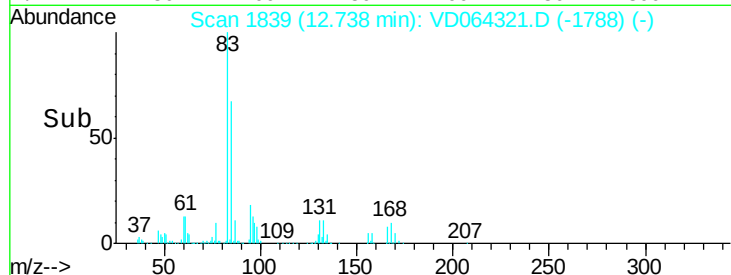
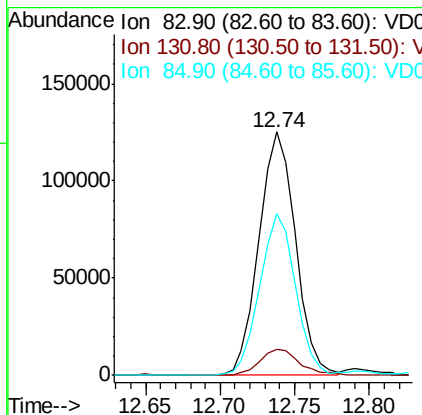
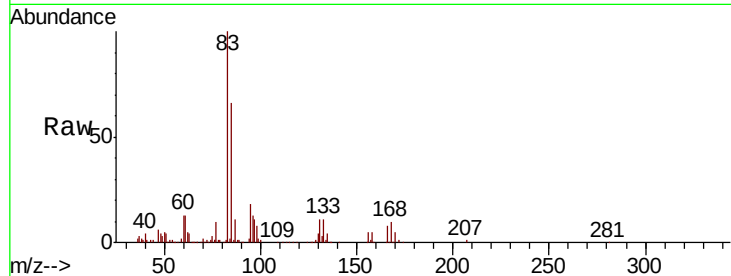
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	213107
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.7
85	65.0	32.5	97.5

Manual Integrations
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11/23/2019 6:11:34 AM



#76

1,2,3-Trichloropropane

Concen: 41.673 ug/l m

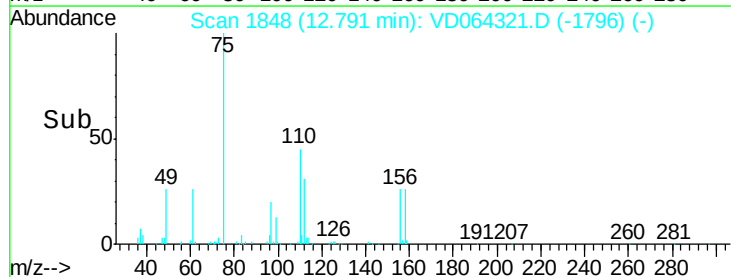
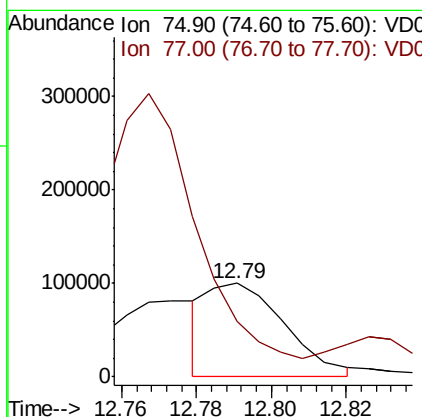
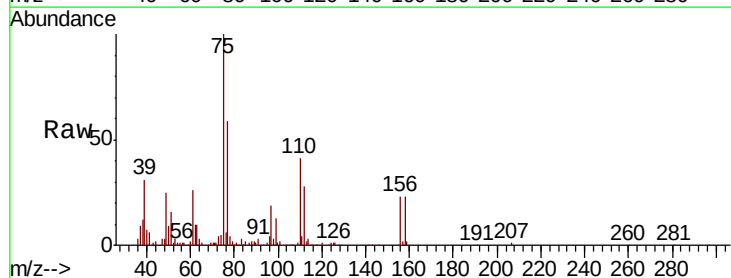
RT: 12.79 min Scan# 1848

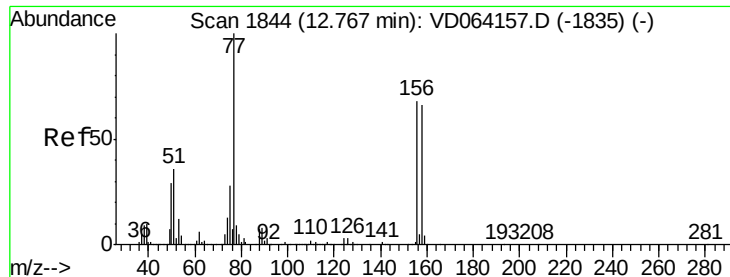
Delta R.T. 0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Tgt Ion:	75	Resp:	142762
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.182 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

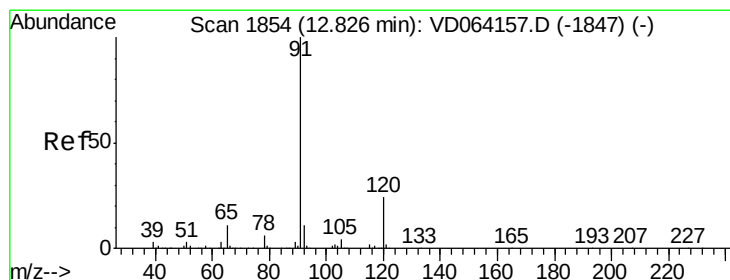
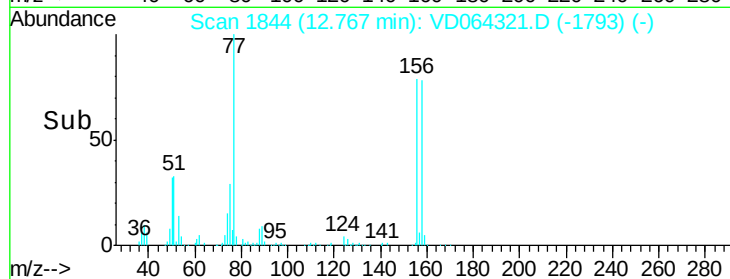
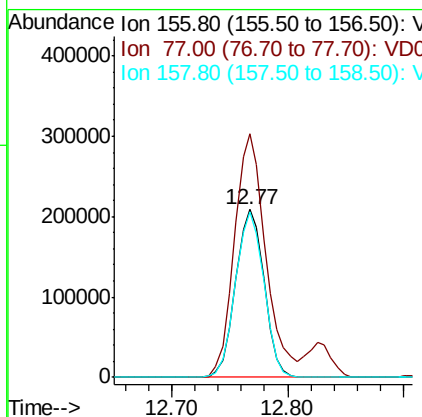
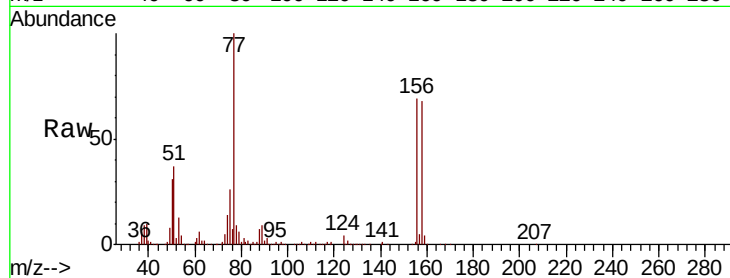
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	357837
Ion Ratio	Lower	Upper	
156	100		
77	159.0	81.2	243.4
158	98.3	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 47.699 ug/l

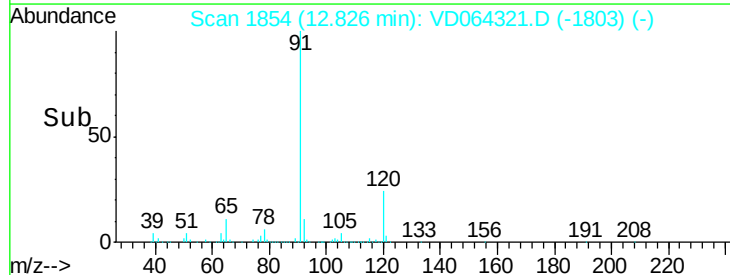
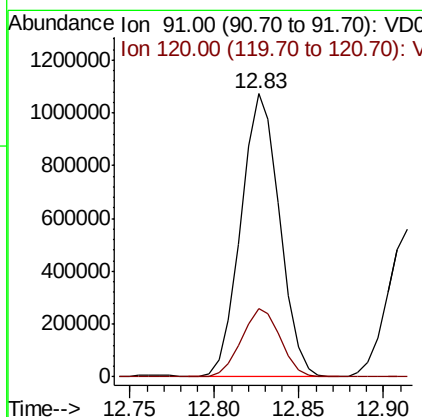
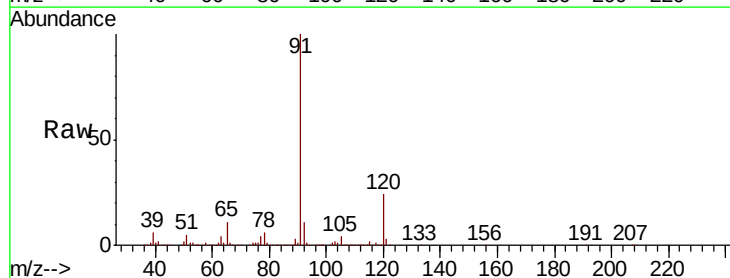
RT: 12.83 min Scan# 1854

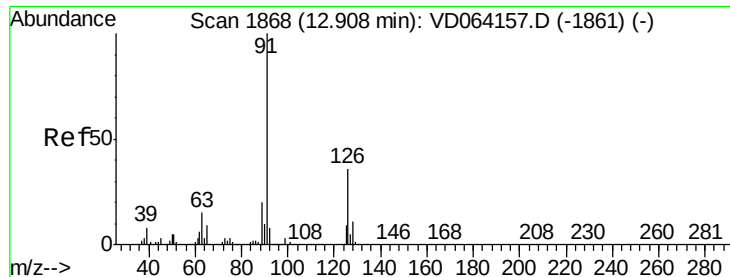
Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Tgt Ion:	91	Resp:	1701275
Ion Ratio	Lower	Upper	
91	100		
120	24.3	11.8	35.4





#79

2-Chlorotoluene

Concen: 46.576 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 937904

Ion Ratio Lower Upper

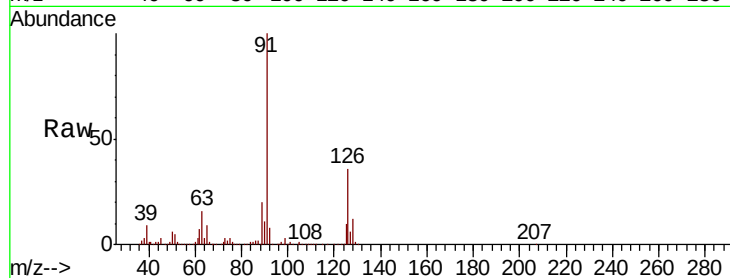
91 100

126 35.8 17.7 53.1

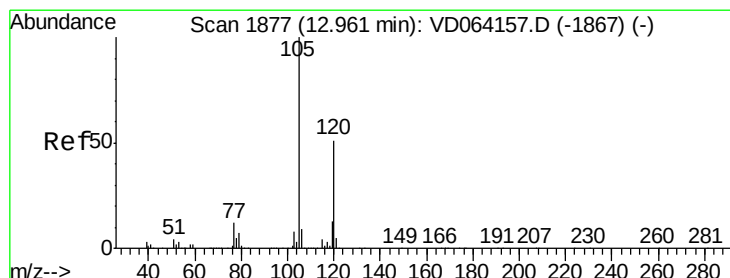
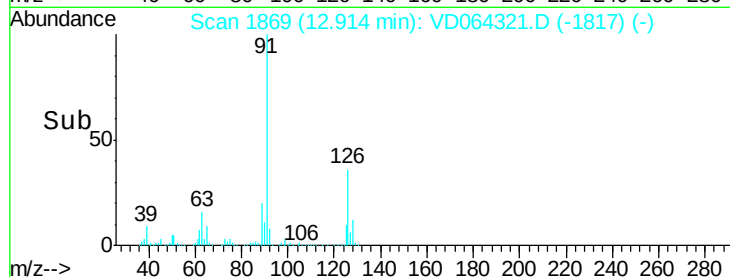
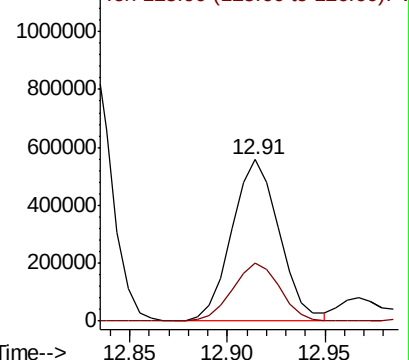
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 47.527 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064321.D

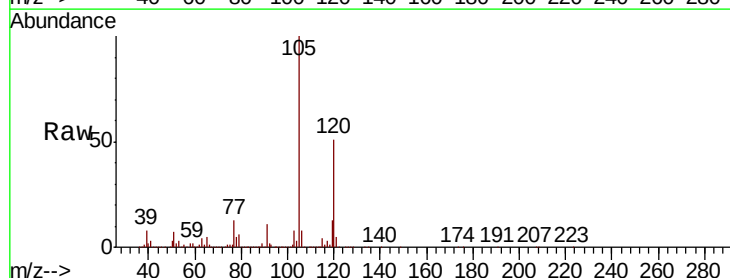
Acq: 21 Nov 2019 13:21

Tgt Ion: 105 Resp: 1219170

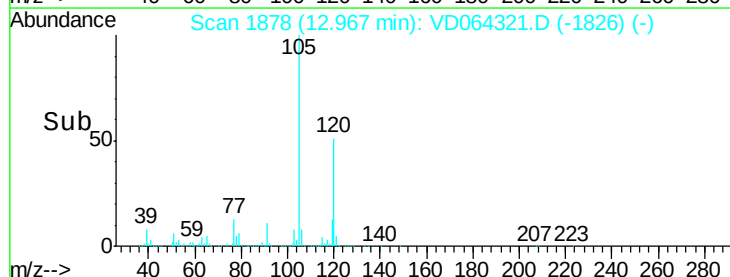
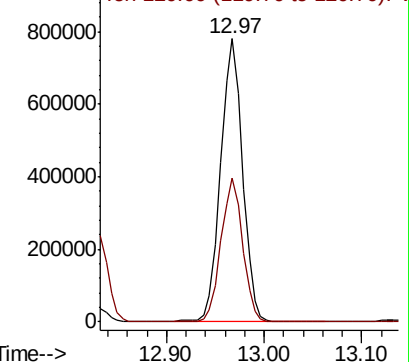
Ion Ratio Lower Upper

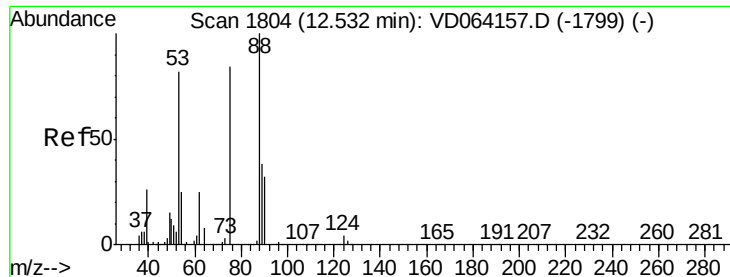
105 100

120 50.2 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





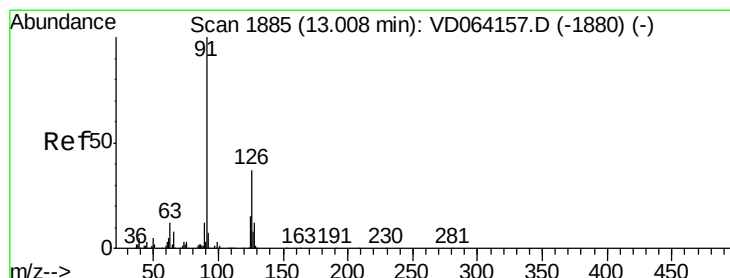
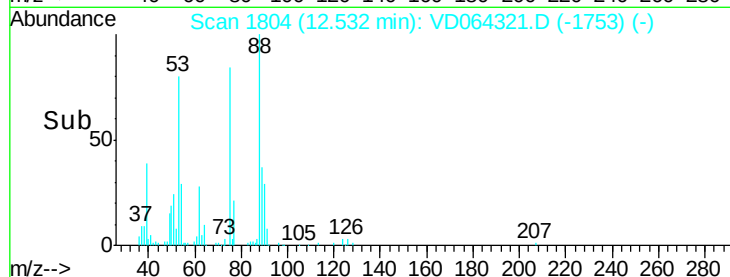
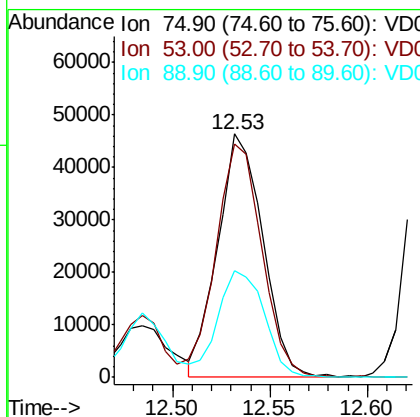
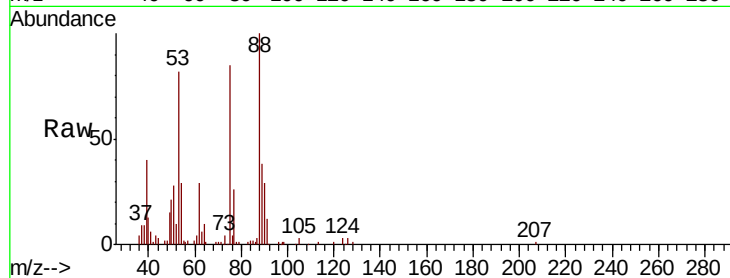
#81
trans-1,4-Dichloro-2-butene
Concen: 42.801 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	79.4	119.0
89	45.7	36.6	55.0

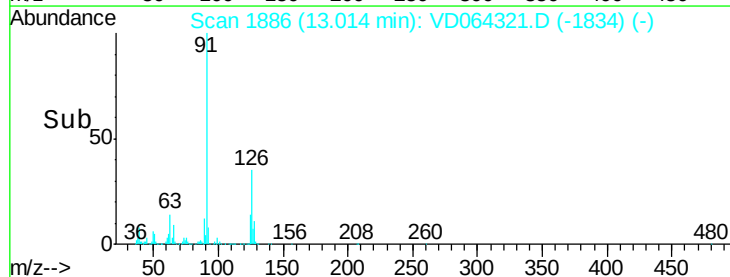
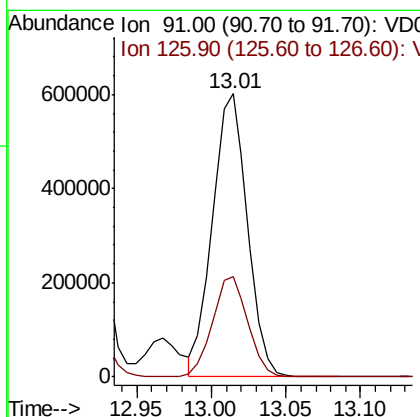
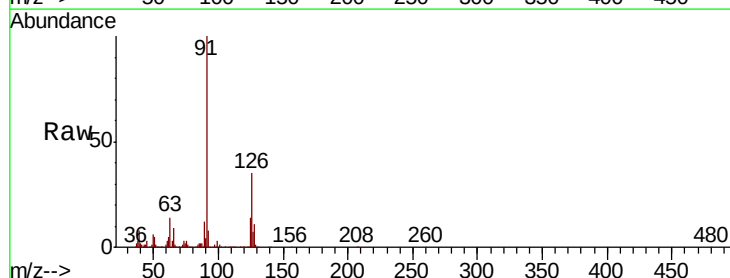
Manual Integrations
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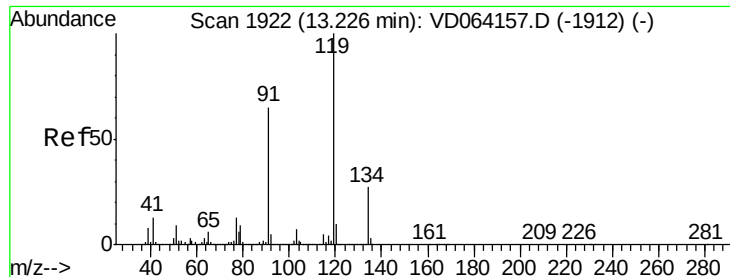
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#82
4-Chlorotoluene
Concen: 46.703 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.4





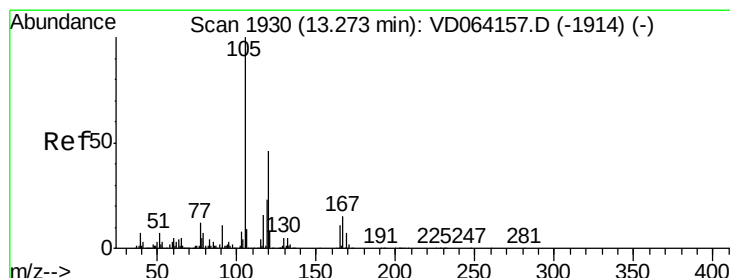
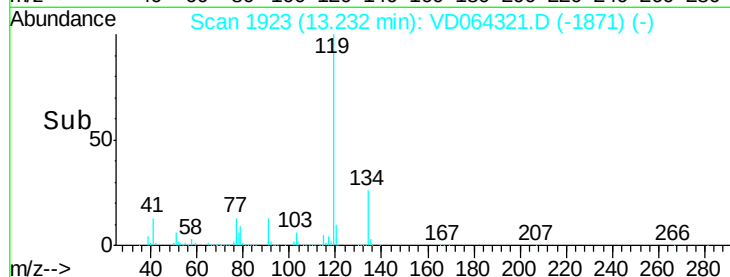
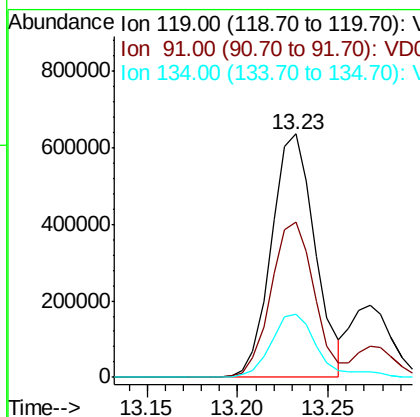
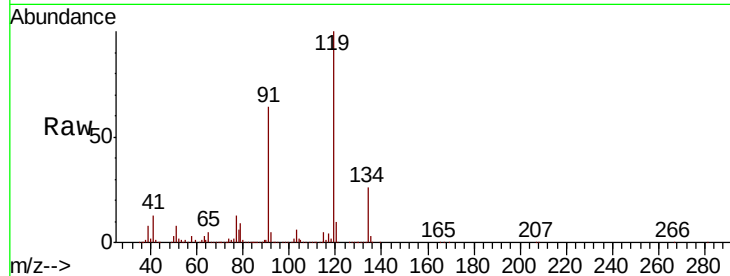
#83
tert-Butylbenzene
Concen: 47.178 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1067138
Ion Ratio Lower Upper
119 100
91 64.3 31.8 95.4
134 28.1 13.7 41.0

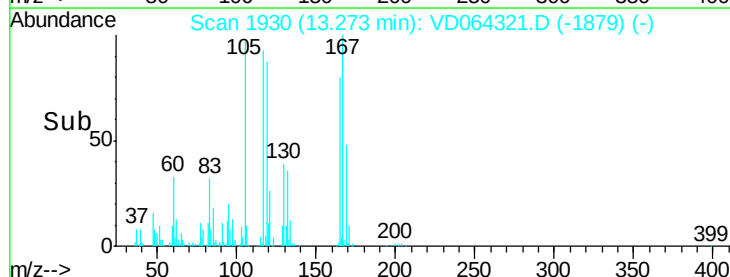
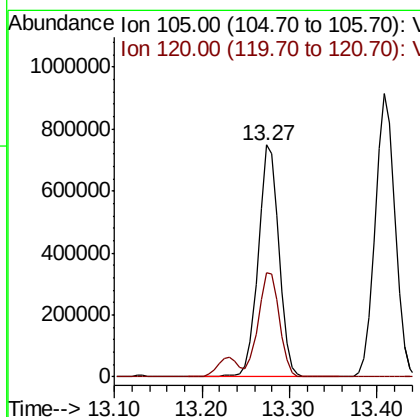
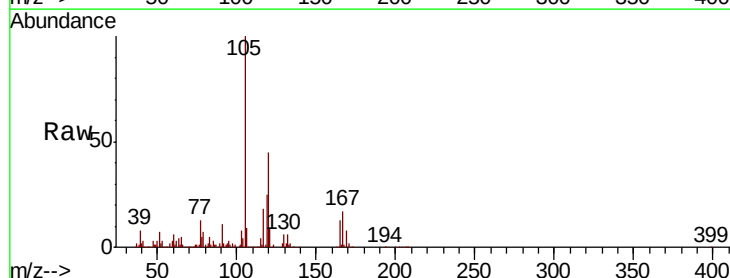
Manual Integrations
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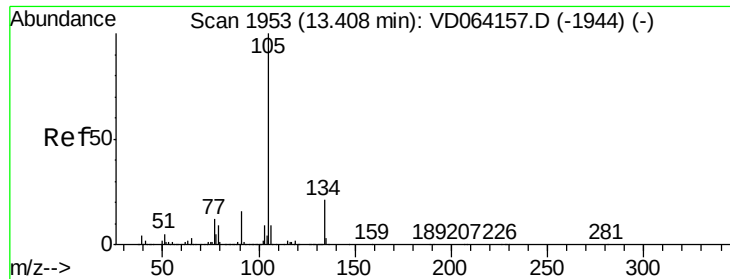
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#84
1,2,4-Trimethylbenzene
Concen: 47.946 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion:105 Resp: 1214232
Ion Ratio Lower Upper
105 100
120 45.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 47.894 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1455008

Ion Ratio Lower Upper

105 100

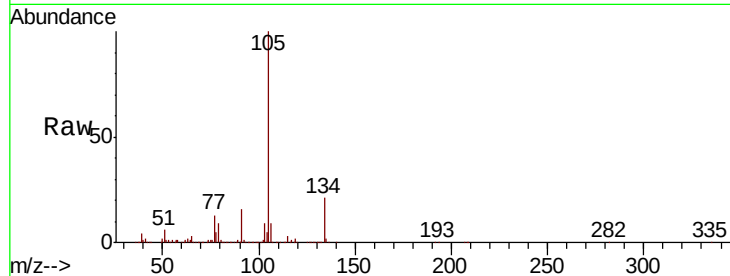
134 21.5 10.7 31.9

Manual Integrations

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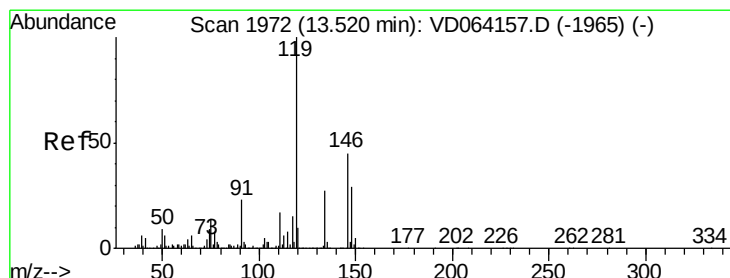
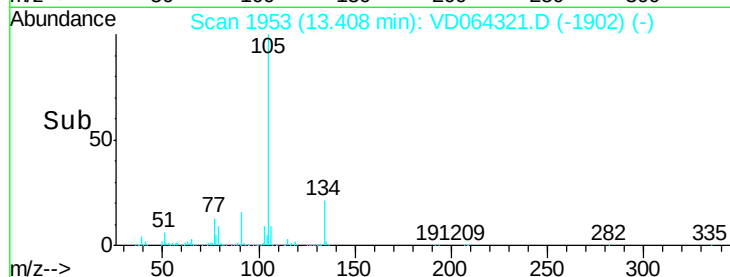
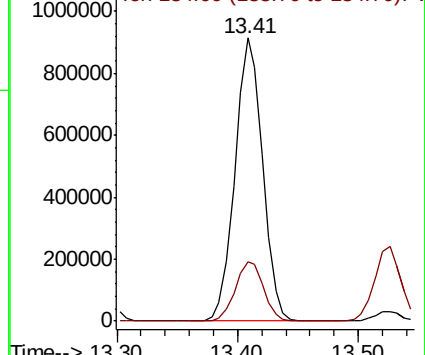
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.135 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064321.D

Acq: 21 Nov 2019 13:21

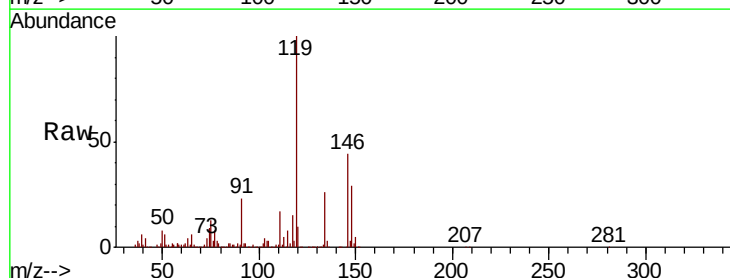
Tgt Ion:119 Resp: 1390241

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

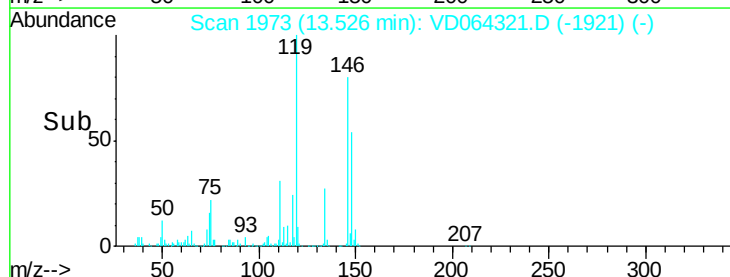
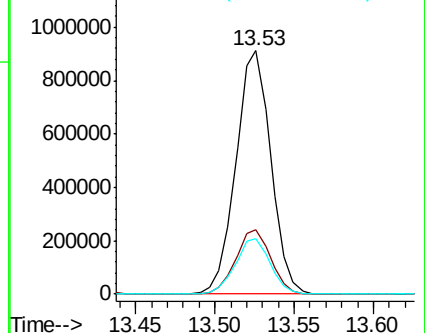
91 22.9 11.5 34.4

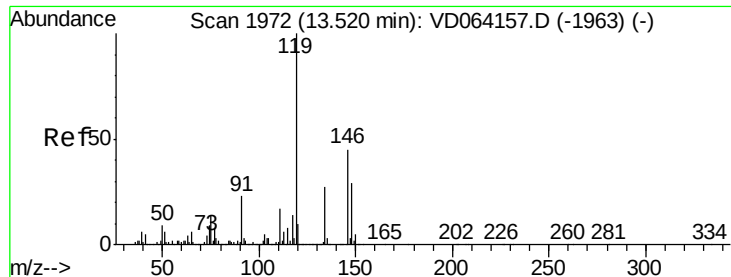


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





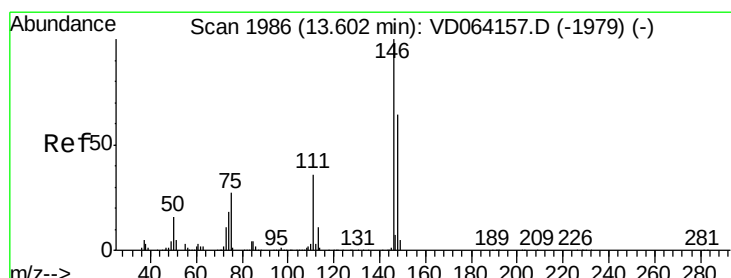
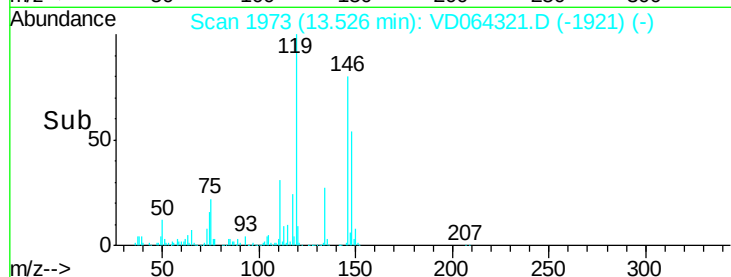
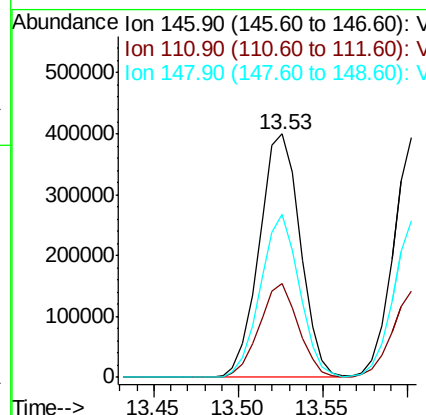
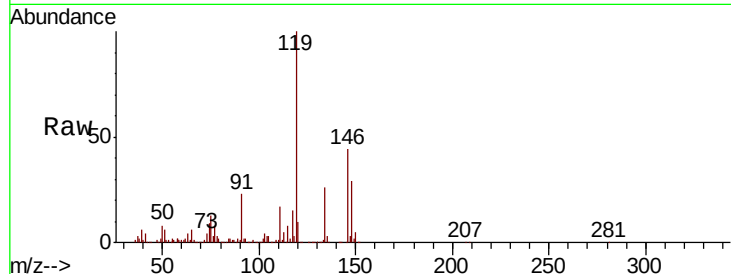
#87
 1,3-Dichlorobenzene
 Concen: 47.767 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.9
148	63.5	32.1	96.5

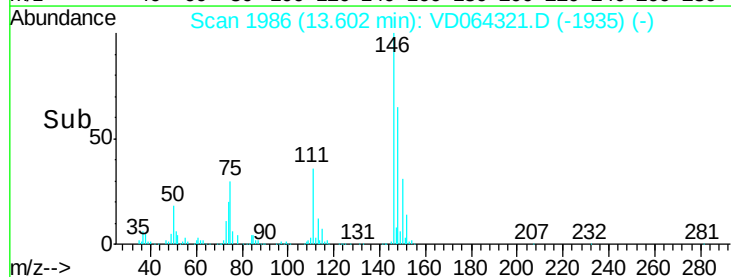
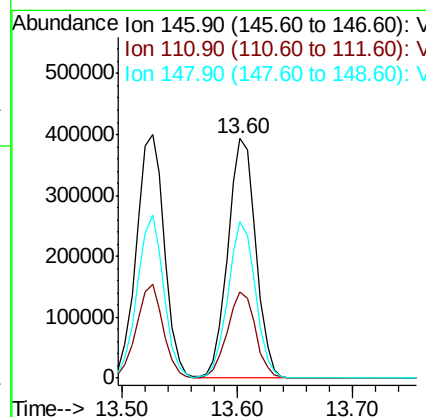
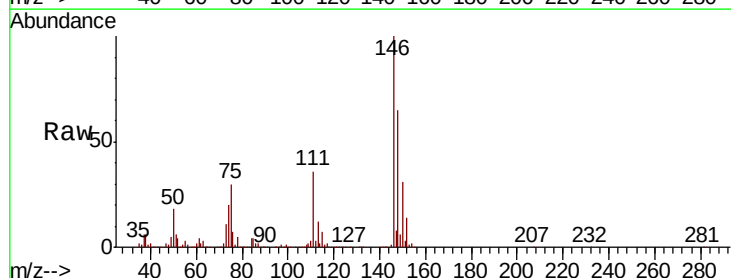
Manual Integrations
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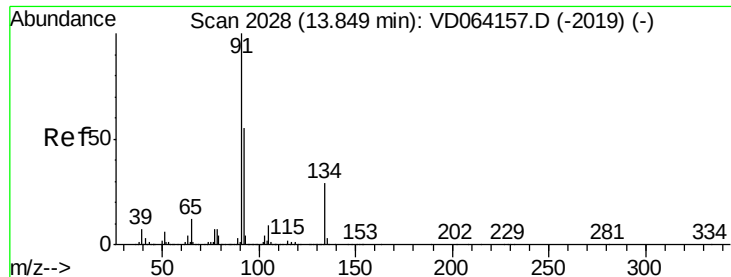
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#88
 1,4-Dichlorobenzene
 Concen: 47.858 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.4
148	64.0	31.9	95.7





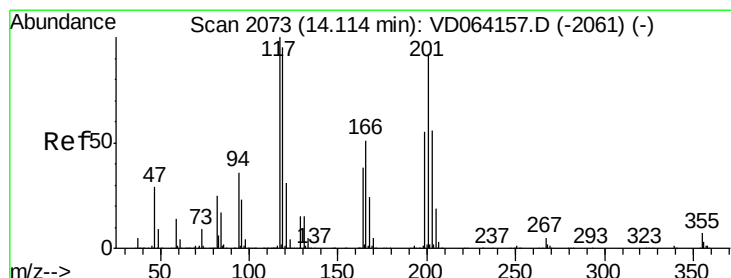
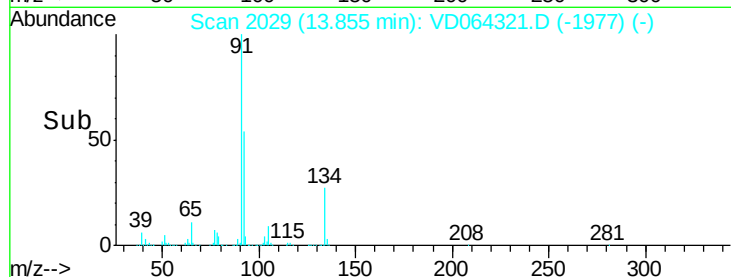
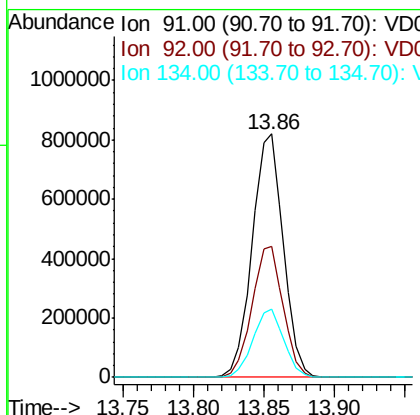
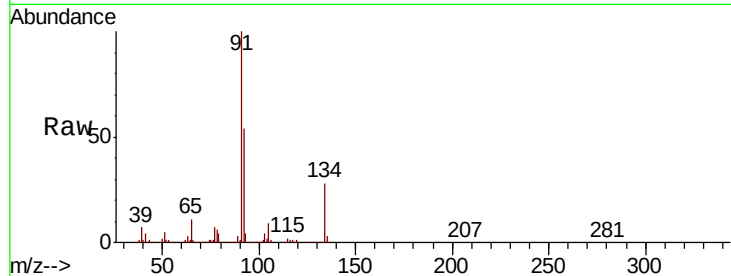
#89
n-Butylbenzene
Concen: 48.557 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1267007
Ion Ratio Lower Upper
91 100
92 53.9 27.3 81.8
134 27.9 14.1 42.4

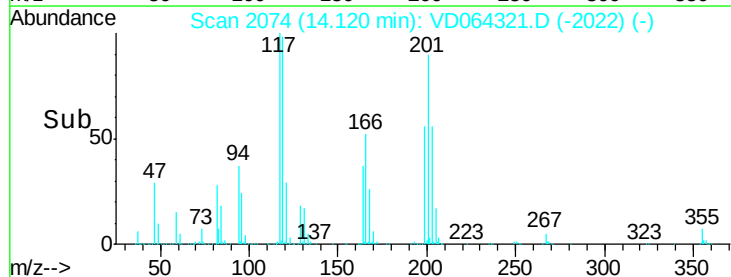
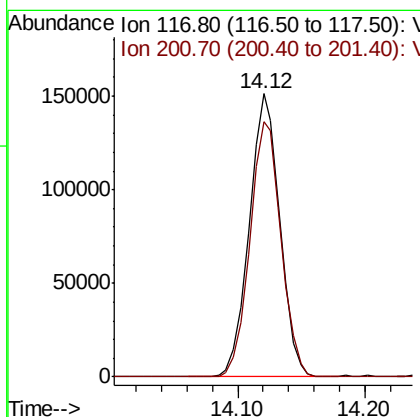
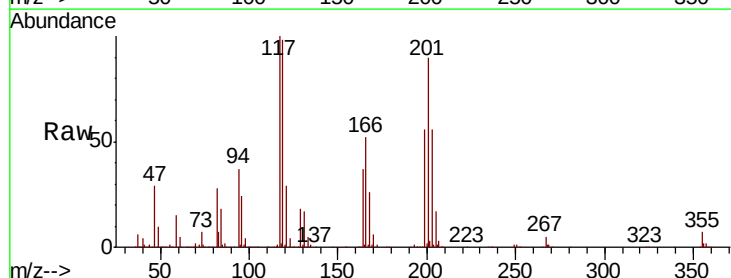
Manual Integrations
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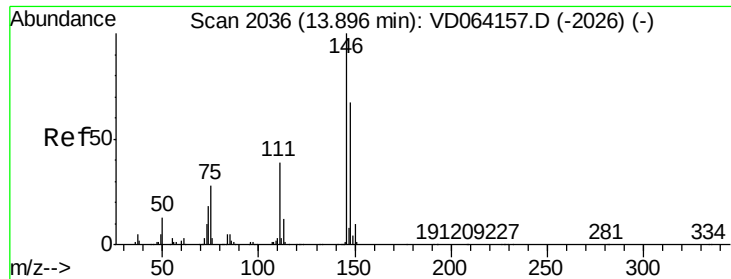
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#90
Hexachloroethane
Concen: 47.319 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion: 117 Resp: 252573
Ion Ratio Lower Upper
117 100
201 92.0 45.8 137.4





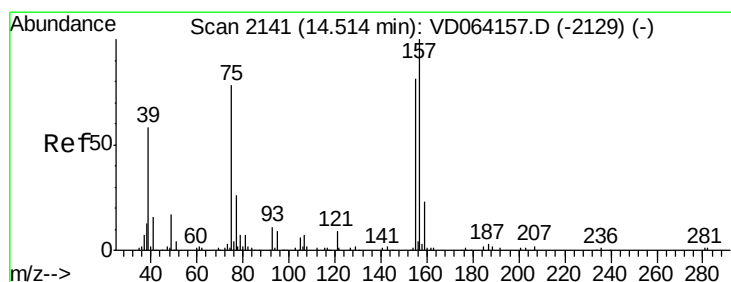
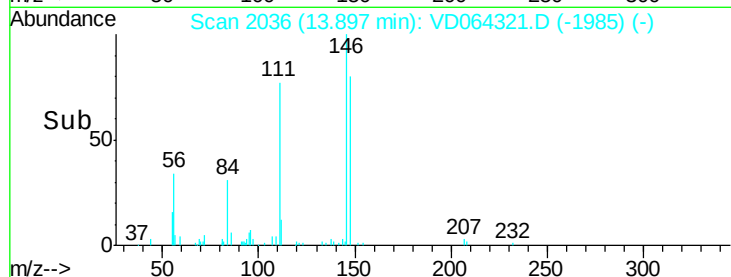
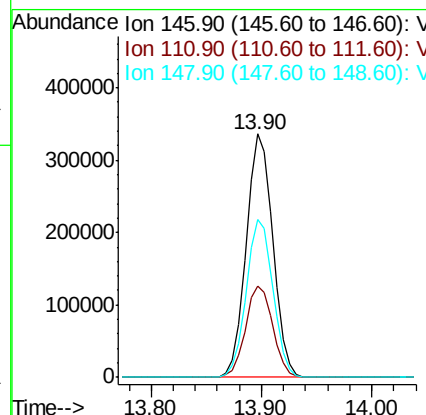
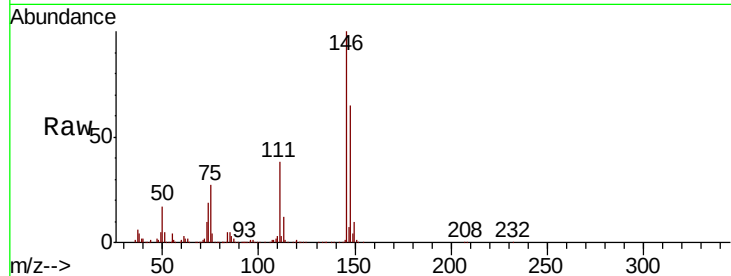
#91
 1,2-Dichlorobenzene
 Concen: 47.838 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	65.1	32.3	96.8

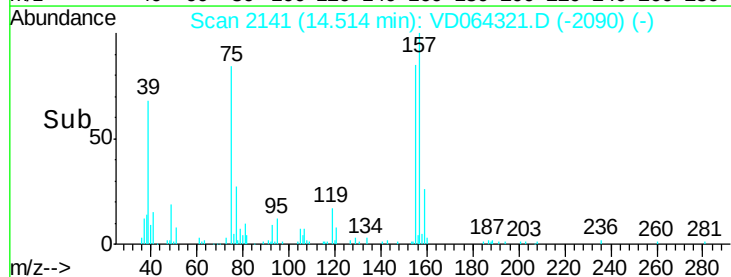
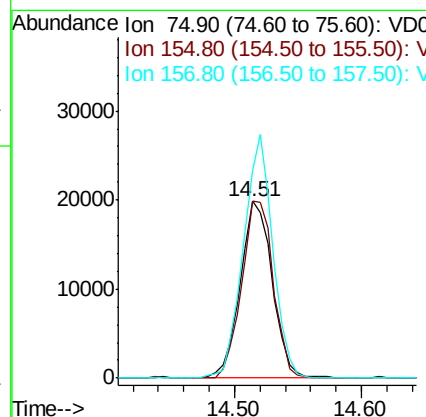
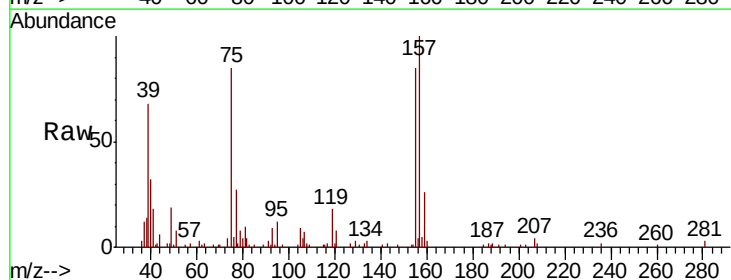
Manual Integrations
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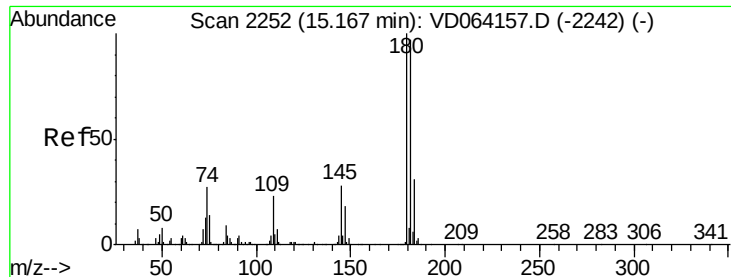
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.426 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.3	48.0	144.0
157	125.3	61.5	184.4





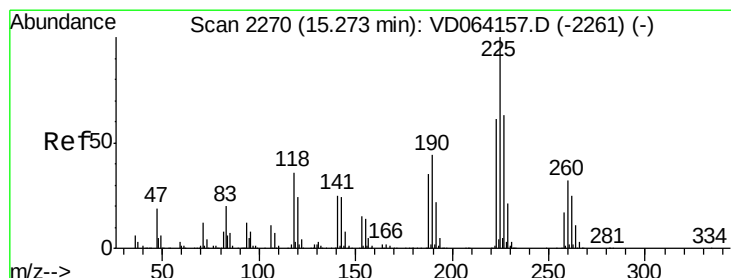
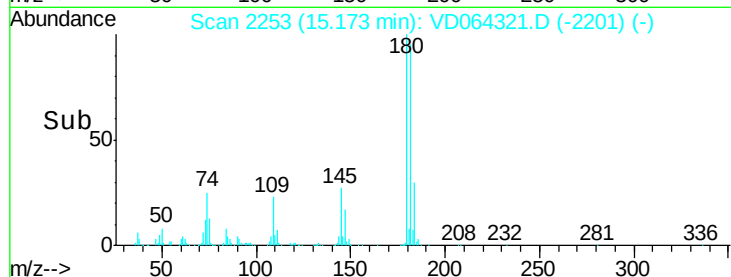
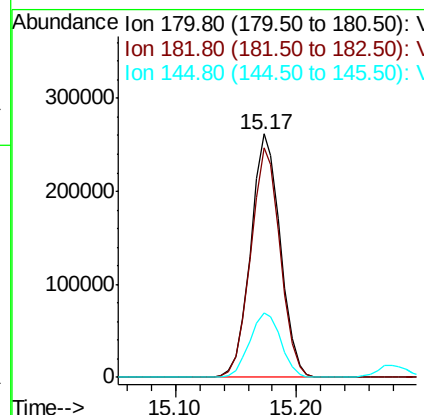
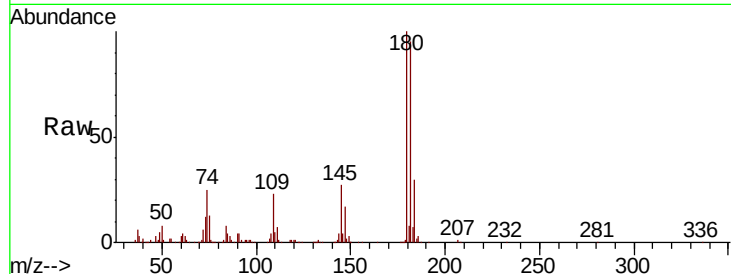
#93
 1,2,4-Trichlorobenzene
 Concen: 48.614 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	446879		
182	93.9		47.5	142.5
145	28.1		14.2	42.6

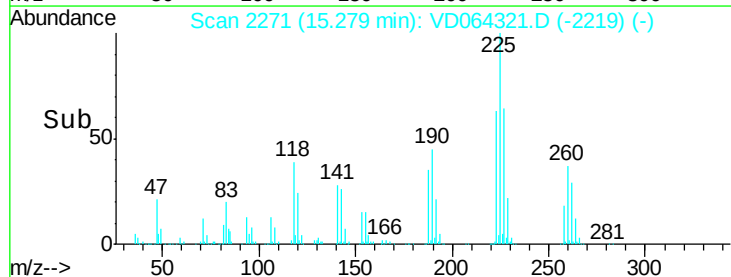
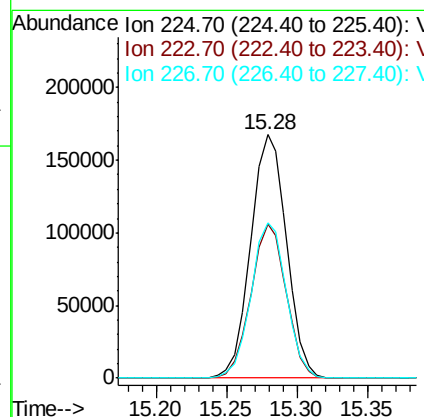
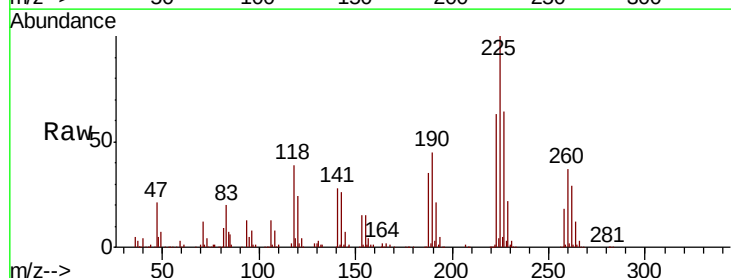
Manual Integrations
 APPROVED

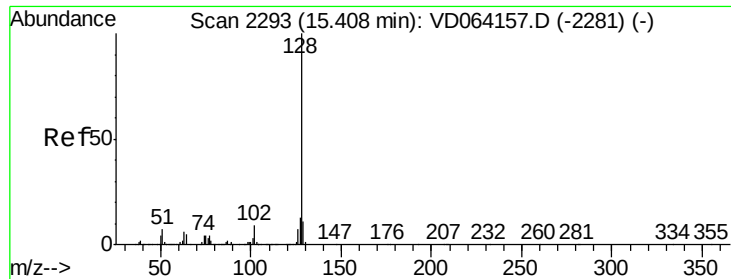
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 50.232 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064321.D
 Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	298242		
223	62.3		31.1	93.3
227	62.7		31.5	94.5





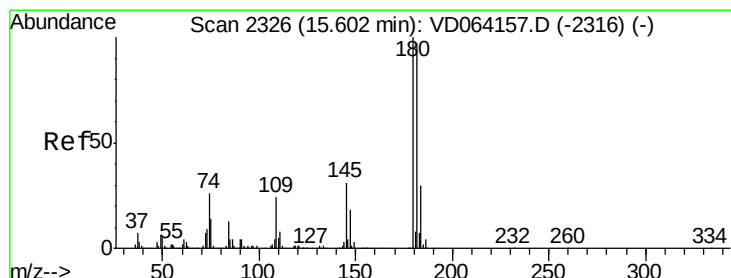
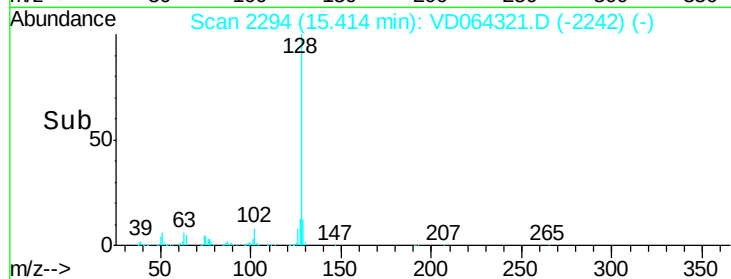
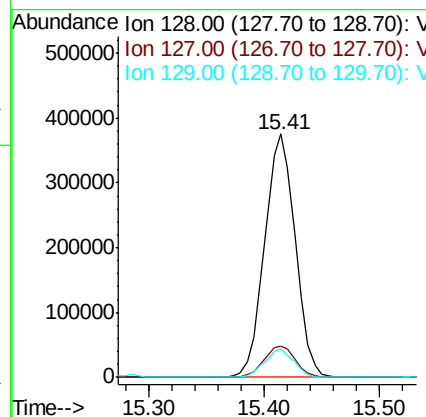
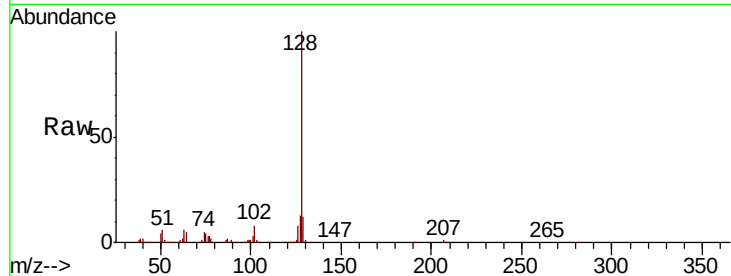
#95
Naphthalene
Concen: 45.936 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/23/2019 6:11:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.145 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064321.D
Acq: 21 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.3	144.9
145	29.3	15.3	45.8

