

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064879.D
 Acq On : 20 Jan 2020 09:13
 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
 1/21/2020 9:23:18 AM

Quant Time: Jan 21 04:19:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	412989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	594210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	518043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256857	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	176793	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.91	113	181691	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.34	98	674733	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.64	95	214055	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	128950	40.177	ug/l	100
3) Chloromethane	2.21	50	189457	42.207	ug/l	97
4) Vinyl Chloride	2.35	62	220967	40.374	ug/l	97
5) Bromomethane	2.78	94	148667	37.359	ug/l	98
6) Chloroethane	2.93	64	150699	41.094	ug/l	95
7) Trichlorofluoromethane	3.27	101	373518	40.533	ug/l	99
8) Diethyl Ether	3.71	74	84671	46.270	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	183467	48.073	ug/l	99
10) Methyl Iodide	4.29	142	188251	45.921	ug/l	99
11) Tert butyl alcohol	5.25	59	49088	235.201	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	167531	46.108	ug/l	94
13) Acrolein	3.93	56	28281	97.231	ug/l	95
14) Allyl chloride	4.71	41	286856	50.637	ug/l	99
15) Acrylonitrile	5.43	53	181880	238.614	ug/l	99
16) Acetone	4.17	43	237201	319.052	ug/l	95
17) Carbon Disulfide	4.40	76	481944	41.022	ug/l	98
18) Methyl Acetate	4.72	43	93927	45.813	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	387460	48.010	ug/l	95
20) Methylene Chloride	4.97	84	200938	54.379	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	195700	47.294	ug/l	93
22) Diisopropyl ether	6.37	45	583288	51.622	ug/l	97
23) Vinyl Acetate	6.31	43	1604481	250.324	ug/l	99
24) 1,1-Dichloroethane	6.27	63	352193	51.921	ug/l	99
25) 2-Butanone	7.22	43	261561	261.296	ug/l	97
26) 2,2-Dichloropropane	7.21	77	326184	51.719	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	219776	49.214	ug/l	98
28) Bromochloromethane	7.56	49	148784	56.424	ug/l	99
29) Tetrahydrofuran	7.57	42	143244	230.109	ug/l	96
30) Chloroform	7.71	83	365999	51.427	ug/l	98
31) Cyclohexane	7.99	56	301506	44.404	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	335602	50.205	ug/l	99
36) 1,1-Dichloropropene	8.11	75	279254	48.827	ug/l	99
37) Ethyl Acetate	7.30	43	106200	47.267	ug/l	96
38) Carbon Tetrachloride	8.10	117	300318	49.245	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	320998	46.340	ug/l	97
40) Benzene	8.36	78	775921	49.697	ug/l	97
41) Methacrylonitrile	7.53	41	69604m	53.393	ug/l	
42) 1,2-Dichloroethane	8.43	62	225835	50.055	ug/l	99
43) Isopropyl Acetate	8.46	43	208694	46.666	ug/l	99
44) Trichloroethene	9.11	130	222232	48.452	ug/l	97
45) 1,2-Dichloropropane	9.39	63	193909	52.017	ug/l	97
46) Dibromomethane	9.48	93	99799	48.018	ug/l	99
47) Bromodichloromethane	9.67	83	279468	50.532	ug/l	99
48) Methyl methacrylate	9.46	41	98136	46.605	ug/l	97
49) 1,4-Dioxane	9.47	88	21928	914.999	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	519239	234.901	ug/l	100
52) Toluene	10.41	92	505102	49.311	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	255891	49.628	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	313827	51.618	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	138855	49.574	ug/l	95
56) Ethyl methacrylate	10.67	69	166384	47.565	ug/l	97
57) 1,3-Dichloropropane	10.95	76	235887	48.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	300516	225.490	ug/l	99
59) 2-Hexanone	10.99	43	388059	258.657	ug/l	98
60) Dibromochloromethane	11.14	129	188668	48.709	ug/l	100
61) 1,2-Dibromoethane	11.25	107	129653	46.931	ug/l	99
64) Tetrachloroethene	10.88	164	188012	47.306	ug/l	98
65) Chlorobenzene	11.68	112	536475	49.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	204389	50.425	ug/l	99
67) Ethyl Benzene	11.75	91	987197	50.586	ug/l	99
68) m/p-Xylenes	11.86	106	747948	99.296	ug/l	96
69) o-Xylene	12.18	106	344107	50.576	ug/l	99
70) Styrene	12.20	104	604487	50.616	ug/l	99
71) Bromoform	12.37	173	108553	46.962	ug/l #	100
73) Isopropylbenzene	12.48	105	928336	50.575	ug/l	100
74) N-amyl acetate	12.30	43	191138	48.713	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	139386	48.339	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	93159m	45.930	ug/l	
77) Bromobenzene	12.77	156	221907	49.201	ug/l	98
78) n-propylbenzene	12.83	91	1093240	51.052	ug/l	99
79) 2-Chlorotoluene	12.91	91	613440	52.147	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	769345	51.023	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	45663	47.085	ug/l	96
82) 4-Chlorotoluene	13.01	91	640125	51.133	ug/l	99
83) tert-Butylbenzene	13.23	119	658856	50.326	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	773283	51.494	ug/l	98
85) sec-Butylbenzene	13.41	105	924493	51.510	ug/l	99
86) p-Isopropyltoluene	13.53	119	866518	50.492	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	432481	50.300	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	419797	49.701	ug/l	99
89) n-Butylbenzene	13.86	91	807259	52.234	ug/l	98
90) Hexachloroethane	14.12	117	165741	50.558	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	363092	49.525	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21380	45.738	ug/l	95

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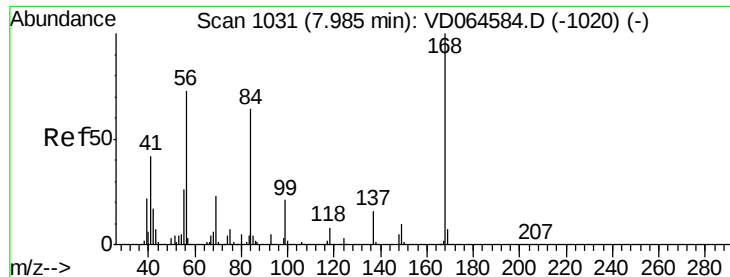
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	254020	47.055	ug/l	99
94) Hexachlorobutadiene	15.28	225	161227	47.461	ug/l	97
95) Naphthalene	15.41	128	382334	44.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	215018	46.656	ug/l	99

(#) = 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: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 412989

Ion Ratio Lower Upper

168 100

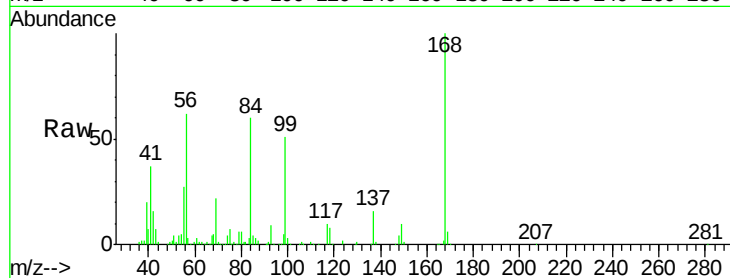
99 50.6 41.8 62.6

Manual Integrations

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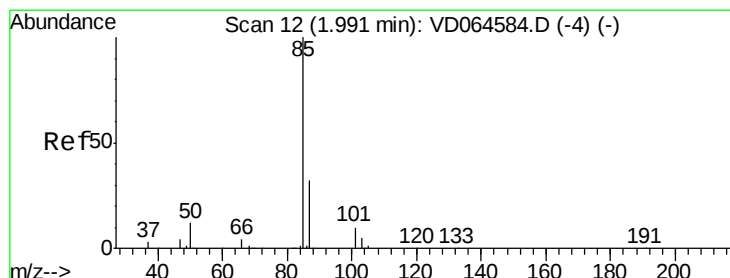
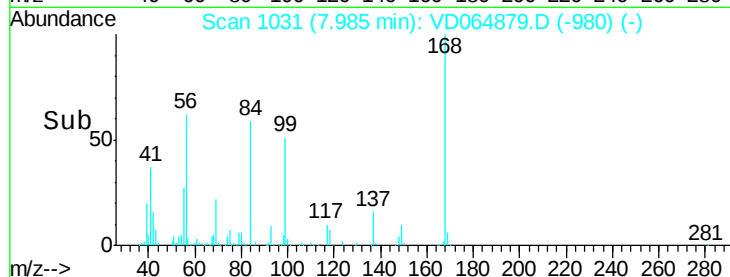
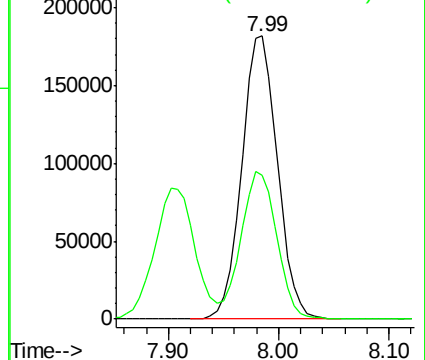
MMDadoda

1/21/2020 9:23:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.177 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064879.D

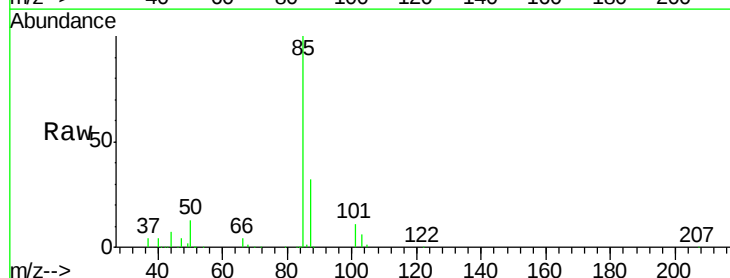
Acq: 20 Jan 2020 09:13

Tgt Ion: 85 Resp: 128950

Ion Ratio Lower Upper

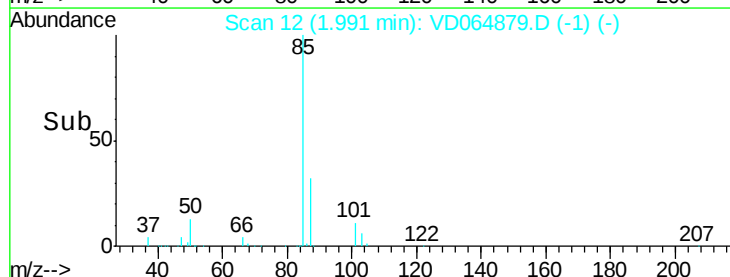
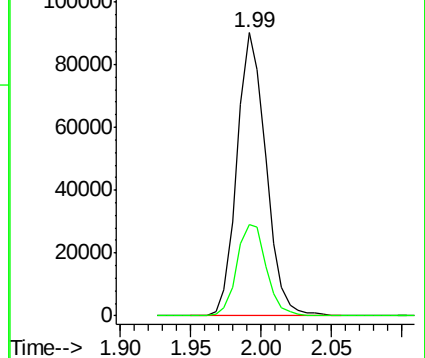
85 100

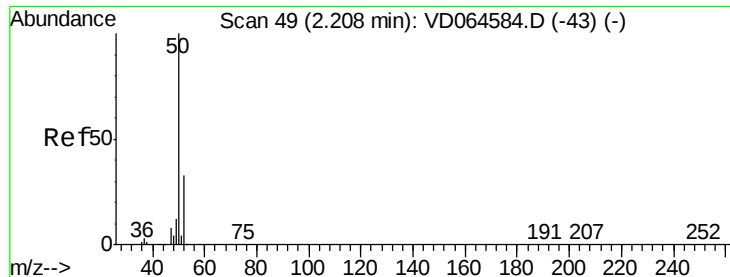
87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.207 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 189457

Ion Ratio Lower Upper

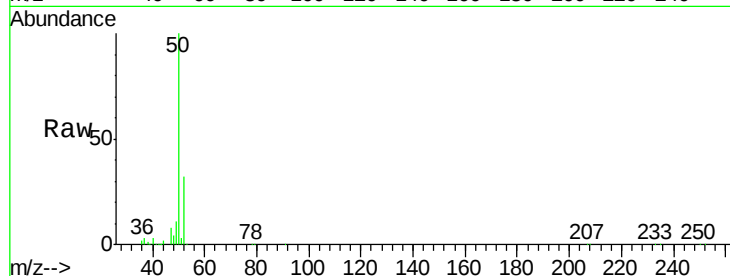
50 100

52 31.5 26.5 39.7

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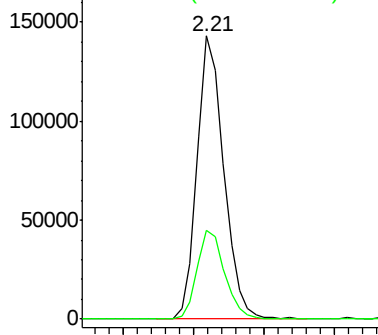
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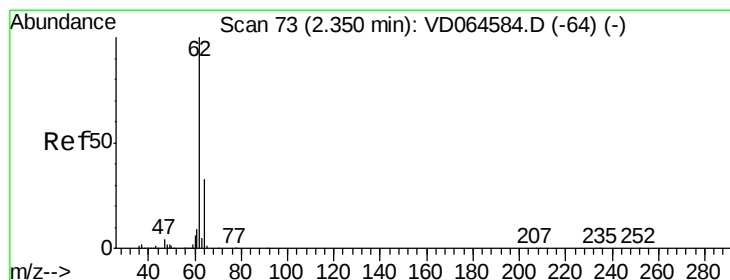
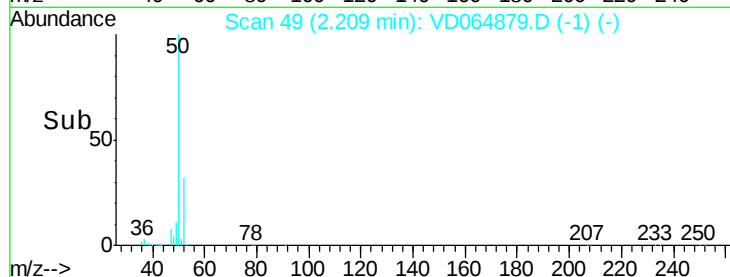


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 40.374 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064879.D

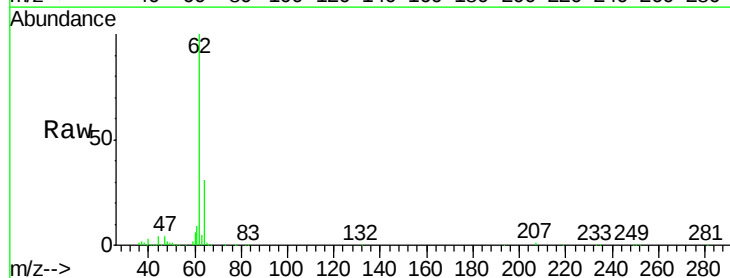
Acq: 20 Jan 2020 09:13

Tgt Ion: 62 Resp: 220967

Ion Ratio Lower Upper

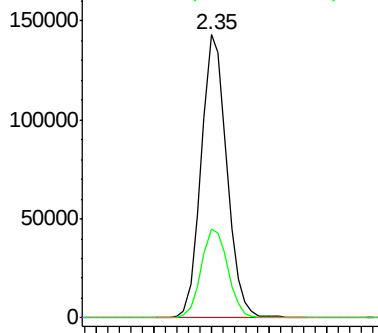
62 100

64 31.4 26.6 40.0

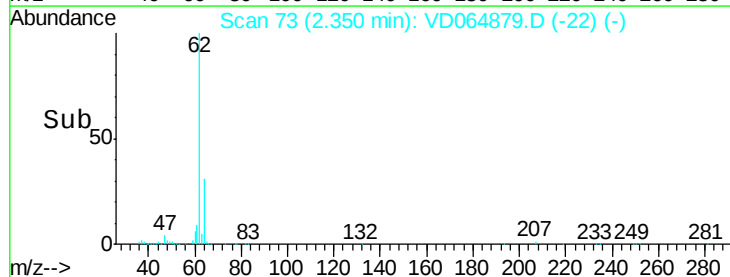


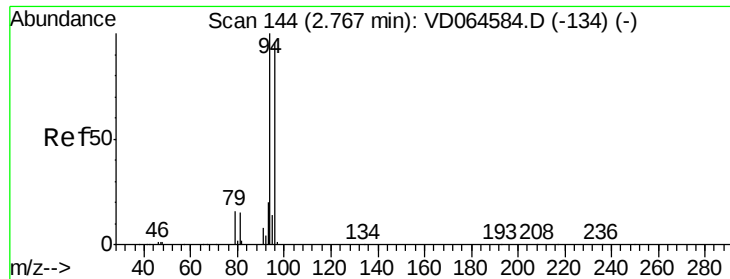
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 37.359 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 148667

Ion Ratio Lower Upper

94 100

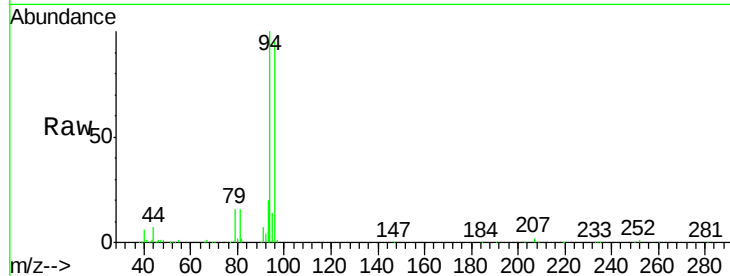
96 94.3 77.2 115.8

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

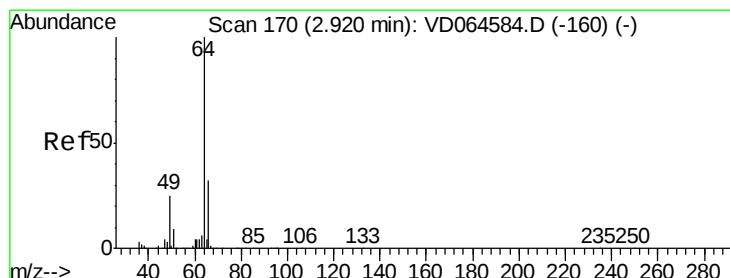
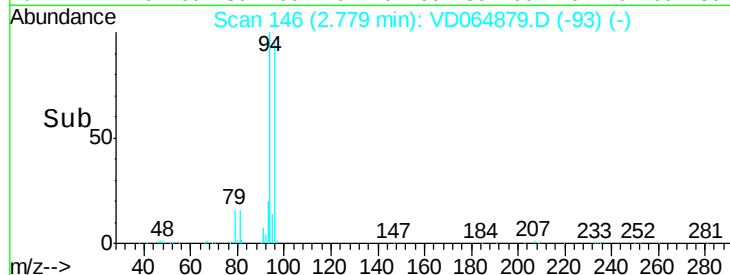
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 41.094 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064879.D

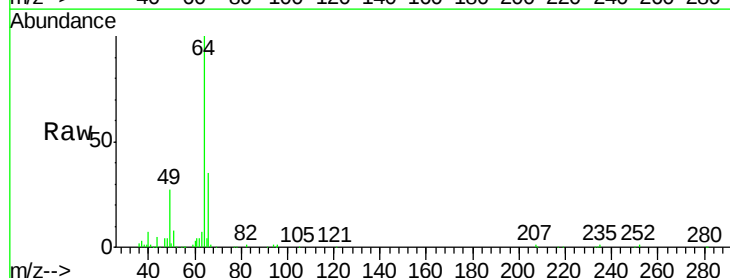
Acq: 20 Jan 2020 09:13

Tgt Ion: 64 Resp: 150699

Ion Ratio Lower Upper

64 100

66 35.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

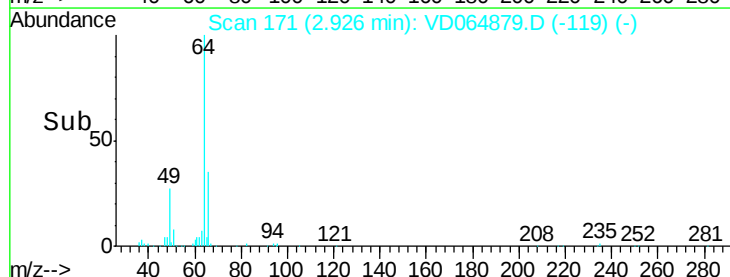
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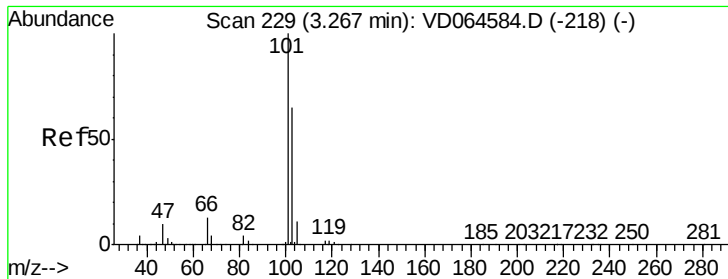
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20000

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Time-->





#7

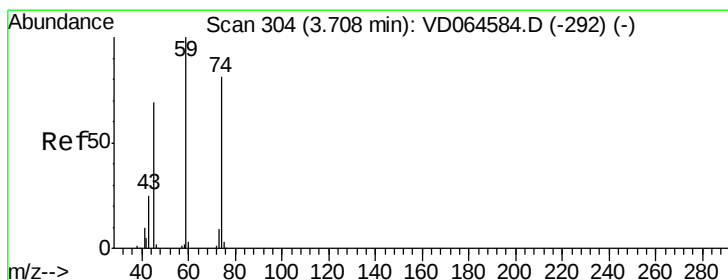
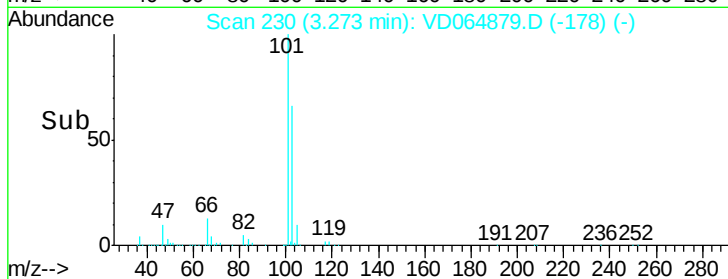
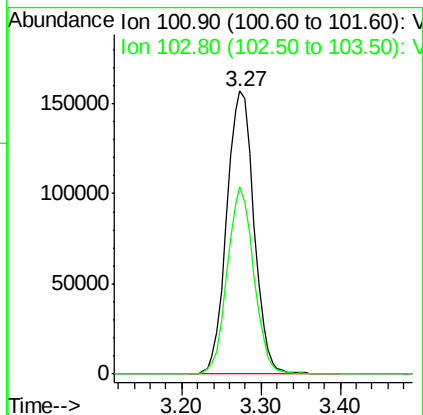
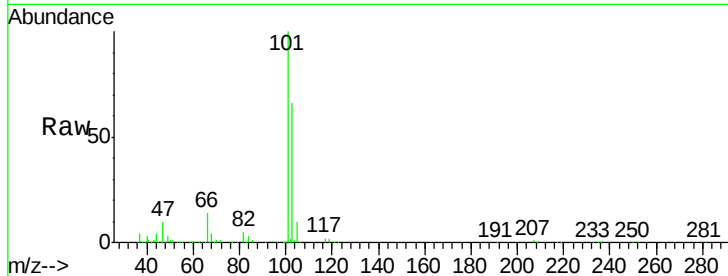
Trichlorofluoromethane
Concen: 40.533 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.2	78.4

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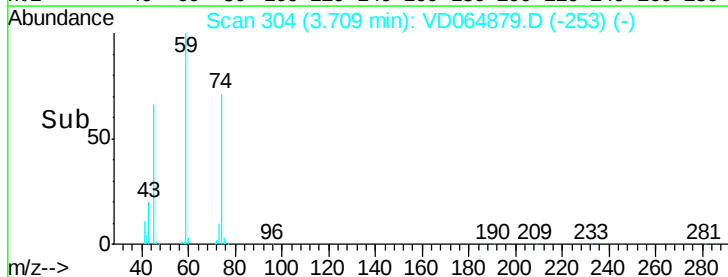
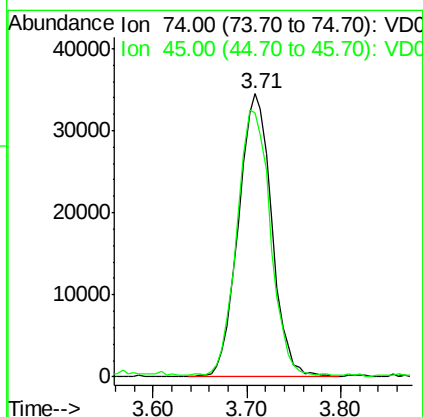
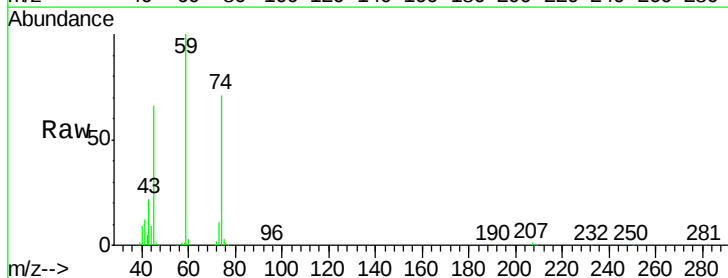
MMDadoda
1/21/2020 9:23:18 AM

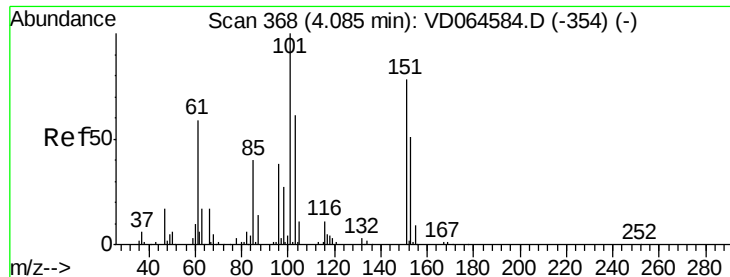


#8

Diethyl Ether
Concen: 46.270 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.073 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

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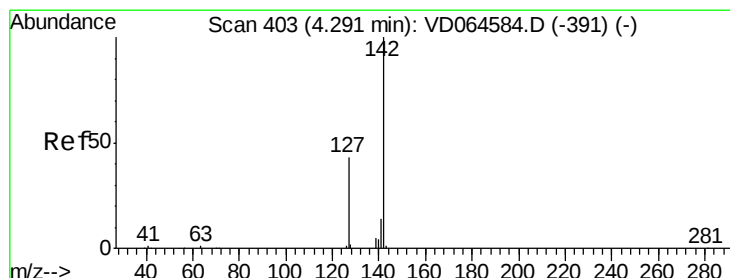
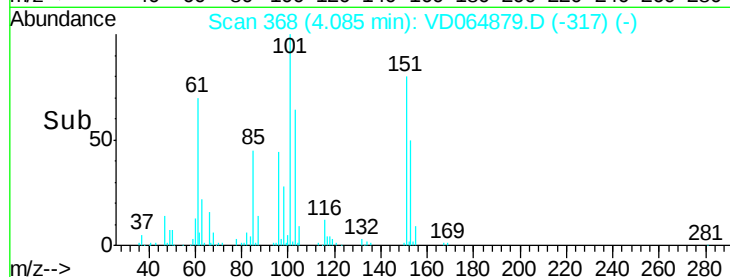
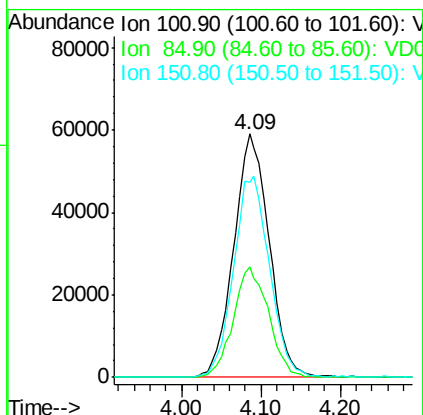
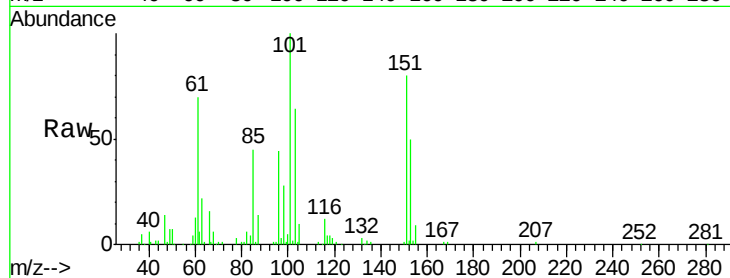
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	183467
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.2	52.8
151	83.7	66.2	99.4

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#10

Methyl Iodide

Concen: 45.921 ug/l

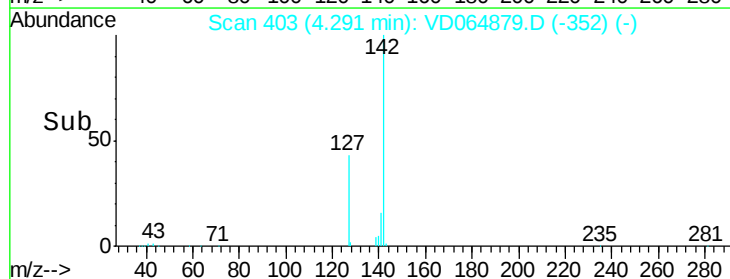
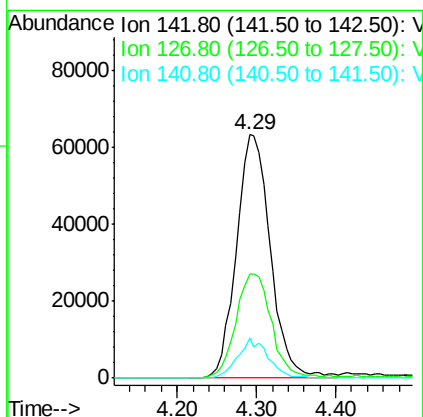
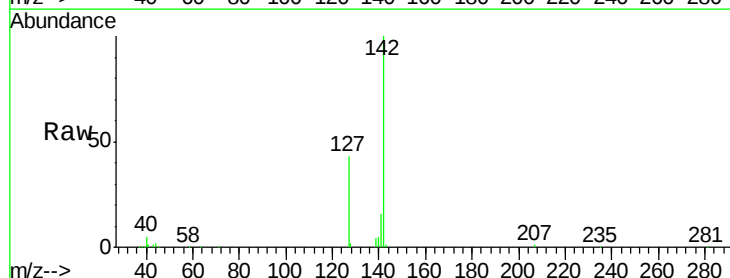
RT: 4.29 min Scan# 403

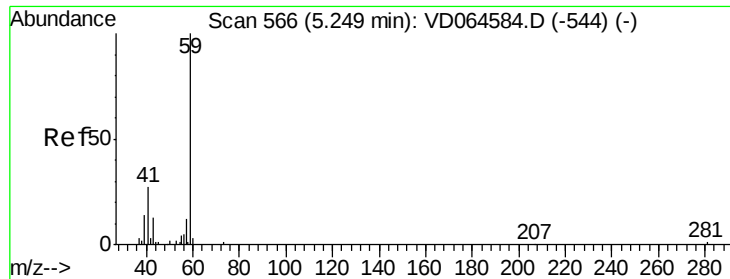
Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Tgt Ion:	142	Resp:	188251
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.2	54.4
141	14.5	11.8	17.8





#11

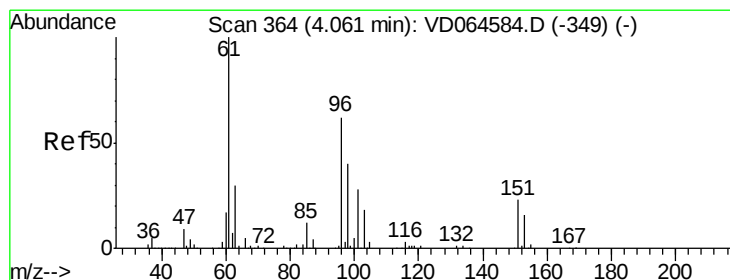
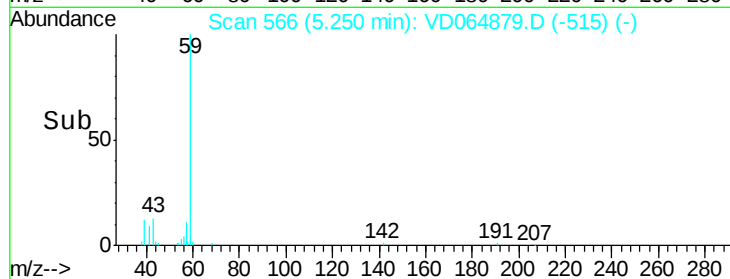
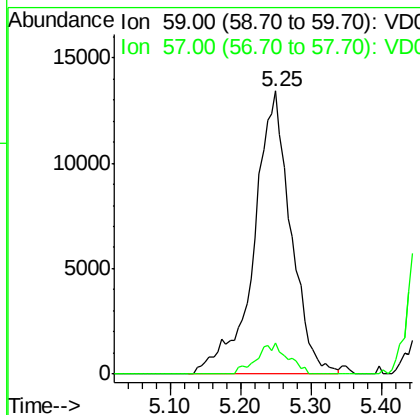
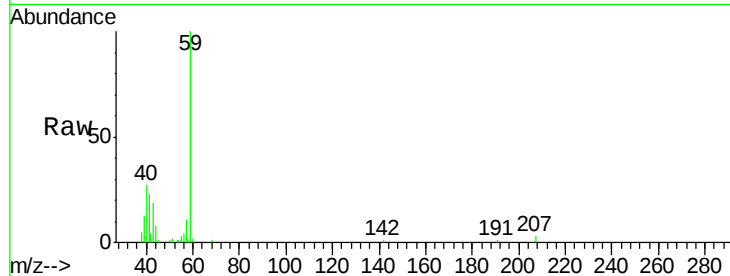
Tert butyl alcohol
Concen: 235.201 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	9.3	13.9#

Manual Integrations
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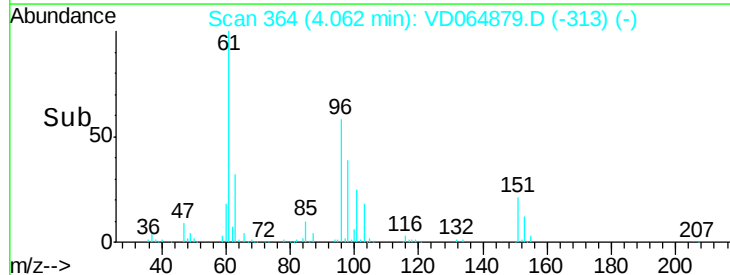
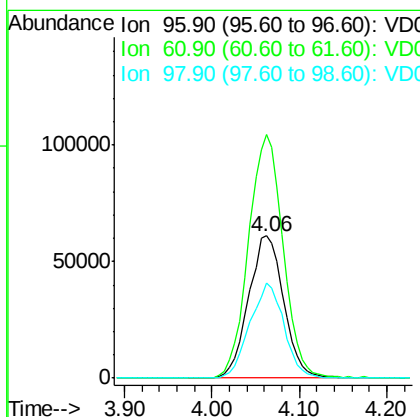
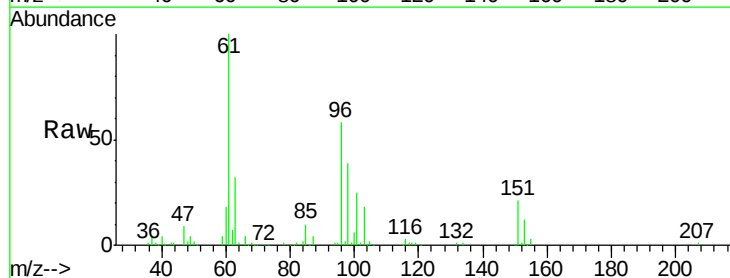
MMDadoda
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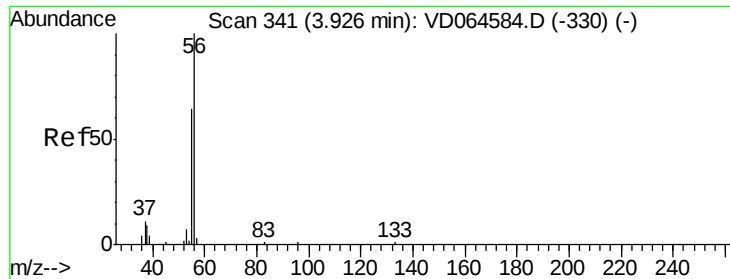


#12

1,1-Dichloroethene
Concen: 46.108 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	129.4	194.0
98	67.4	51.4	77.0





#13

Acrolein

Concen: 97.231 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 28281

Ion Ratio Lower Upper

56 100

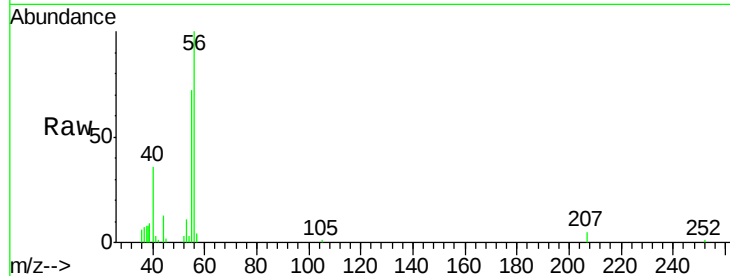
55 74.7 56.7 85.1

Manual Integrations

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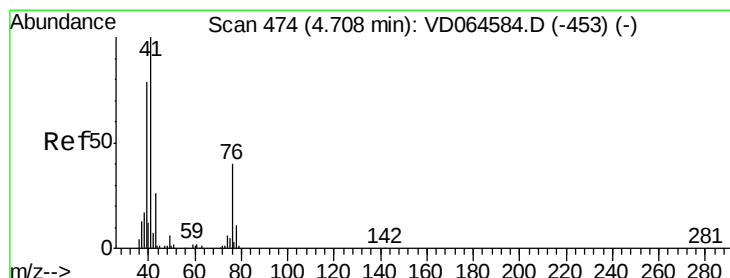
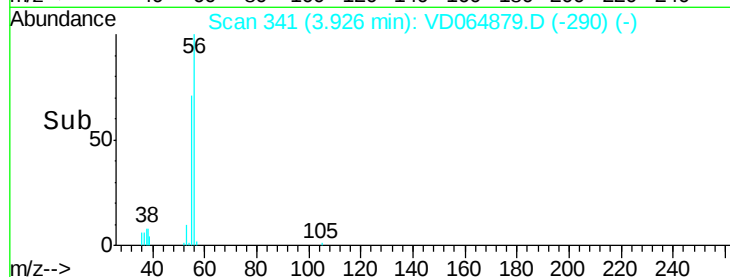
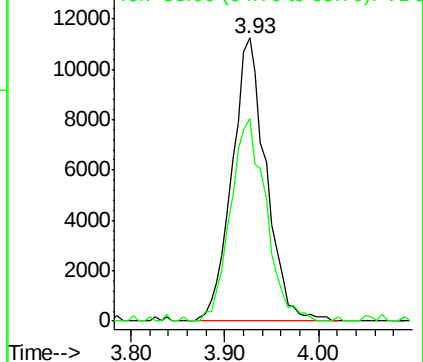
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.637 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

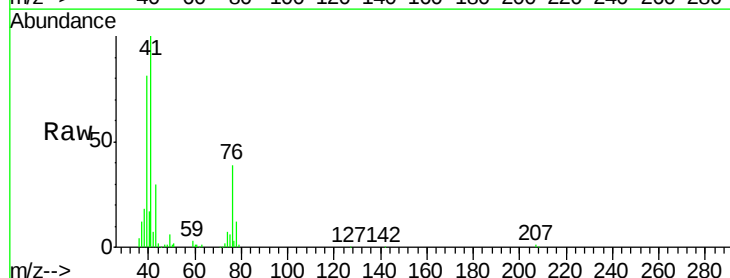
Tgt Ion: 41 Resp: 286856

Ion Ratio Lower Upper

41 100

39 76.2 62.3 93.5

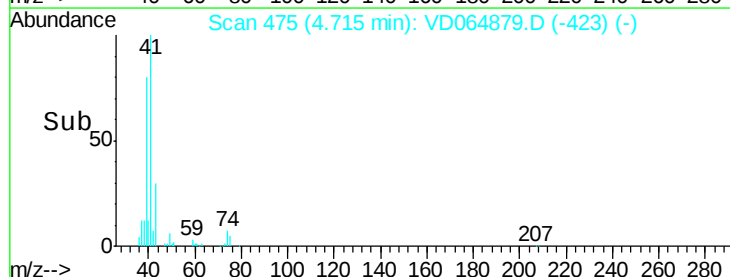
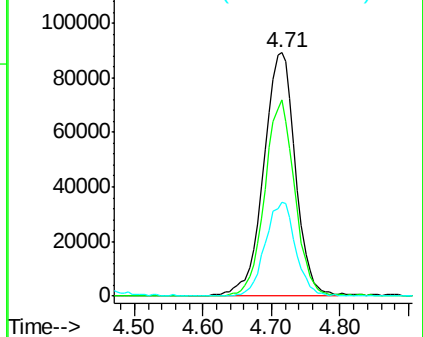
76 37.1 29.7 44.5

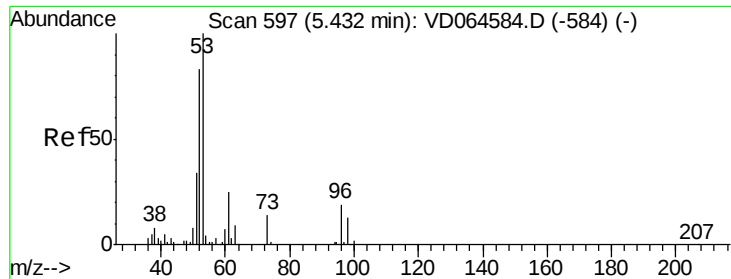


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





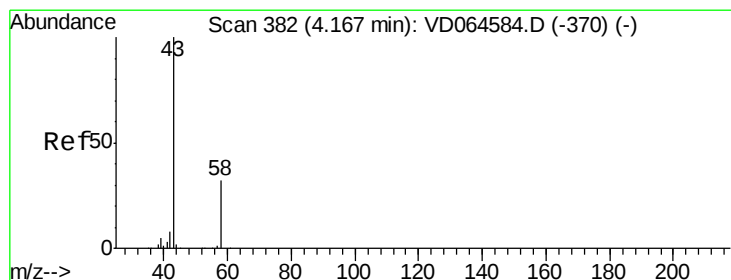
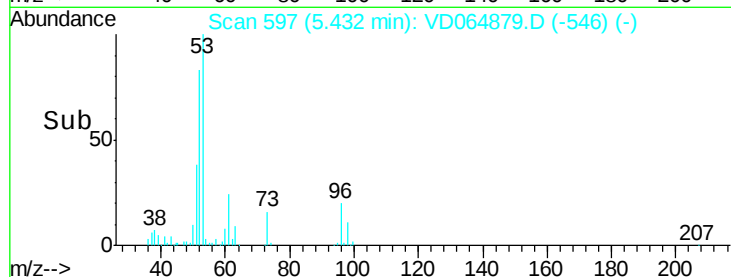
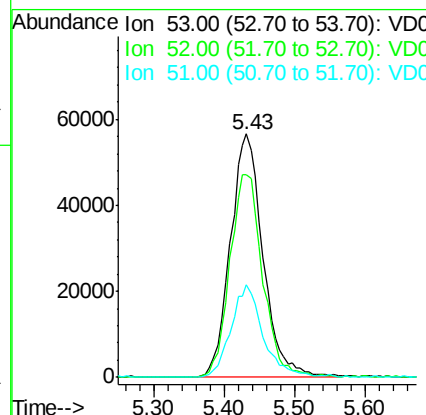
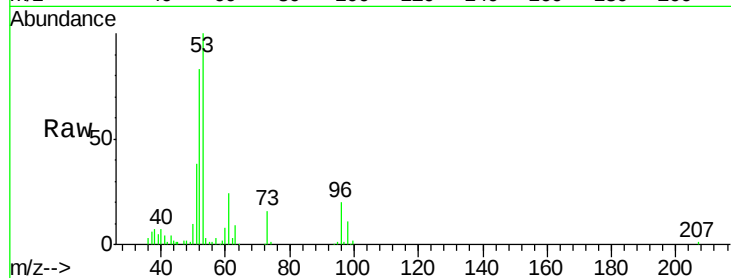
#15
 Acrylonitrile
 Concen: 238.614 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.2
51	37.3	30.1	45.1

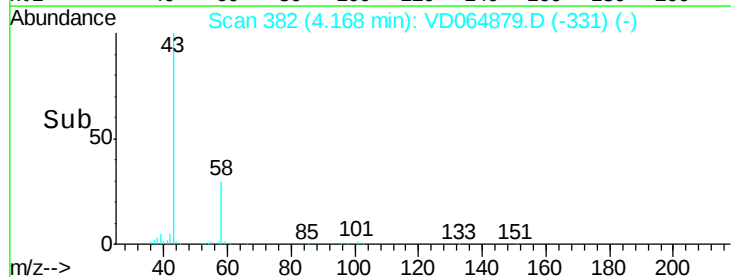
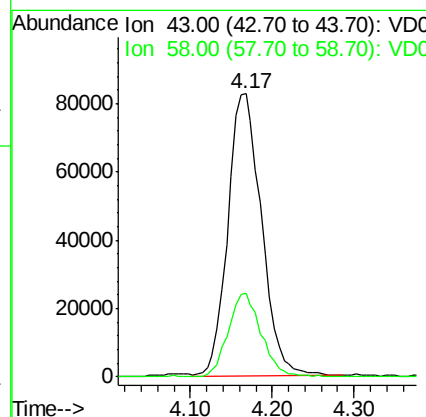
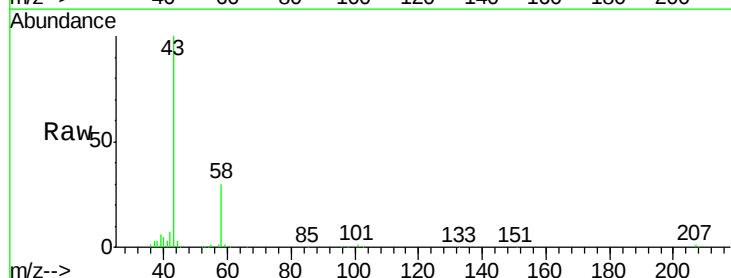
Manual Integrations
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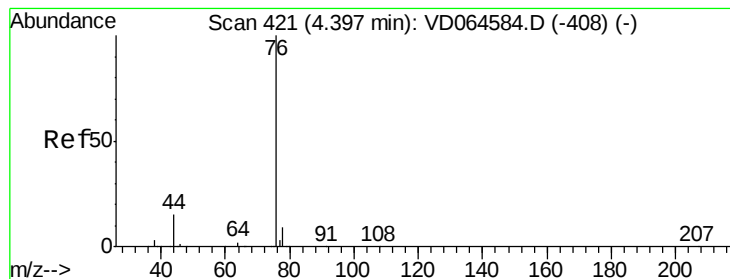
MMDadoda
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#16
 Acetone
 Concen: 319.052 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.5	25.8	38.6





#17

Carbon Disulfide

Concen: 41.022 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 481944

Ion Ratio Lower Upper

76 100

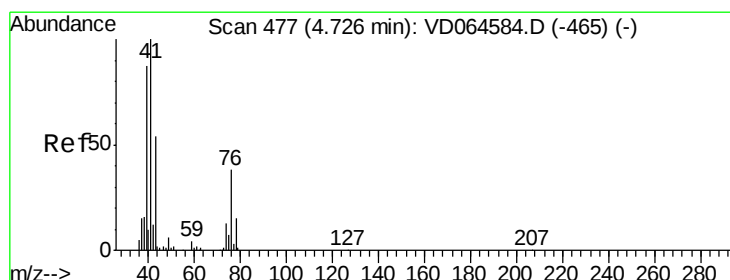
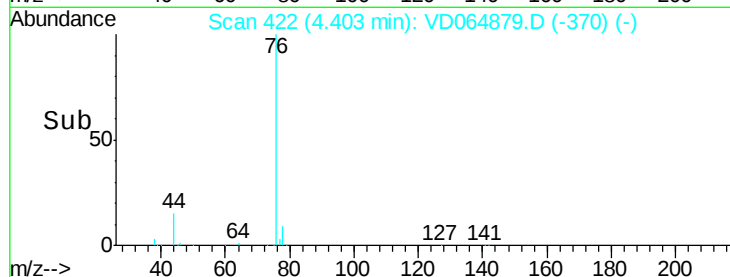
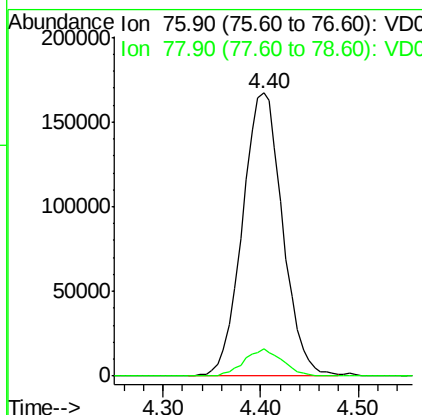
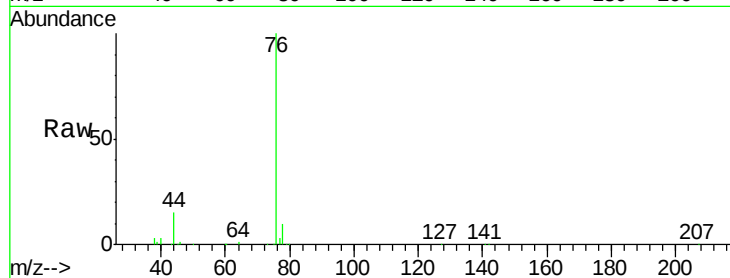
78 9.8 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 45.813 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064879.D

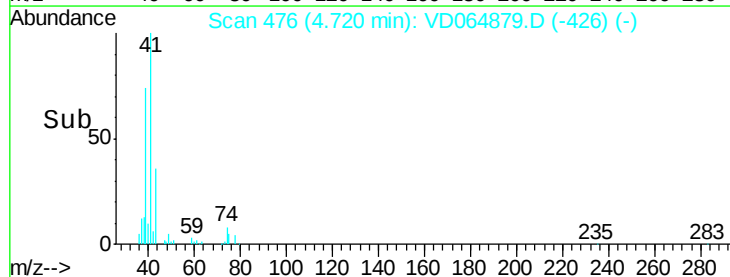
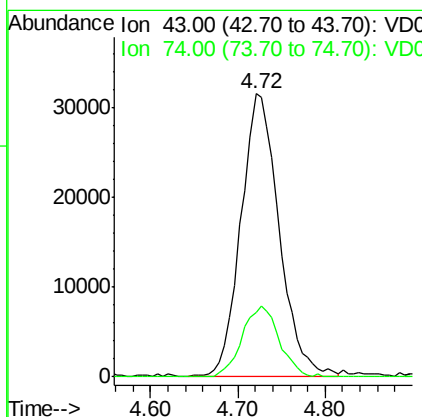
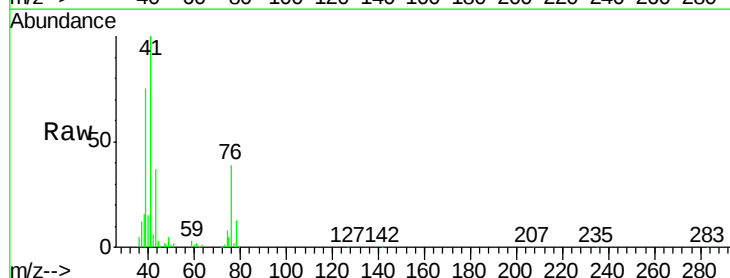
Acq: 20 Jan 2020 09:13

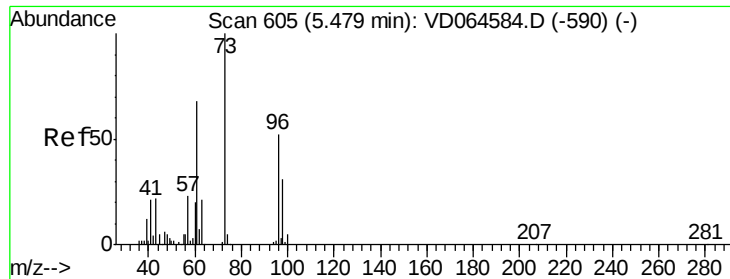
Tgt Ion: 43 Resp: 93927

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8





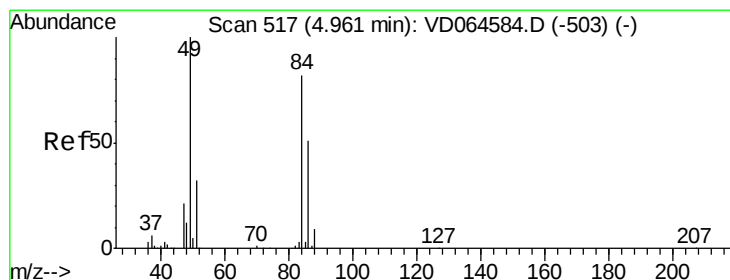
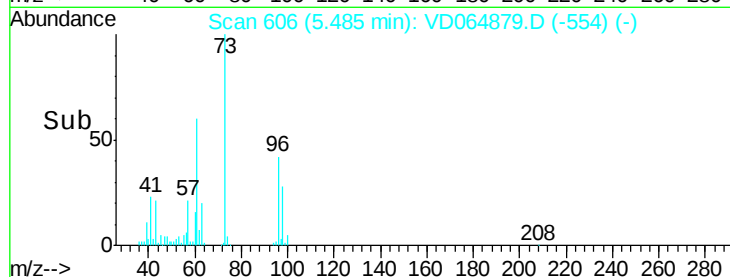
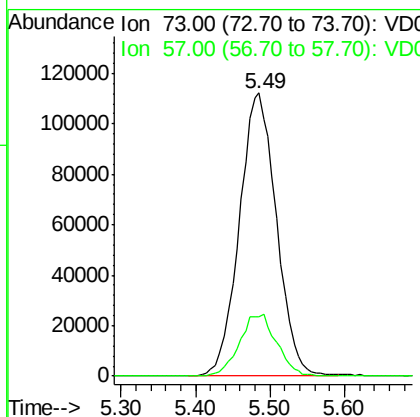
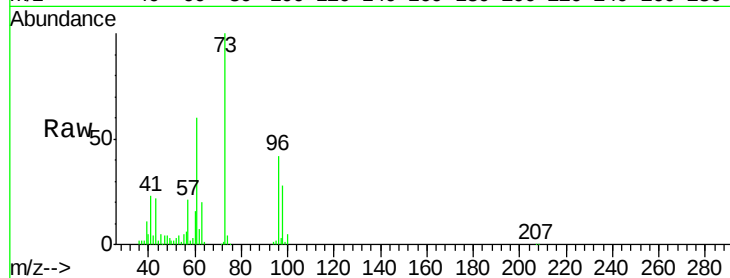
#19
Methvl tert-butvl Ether
Concen: 48.010 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 387460
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8

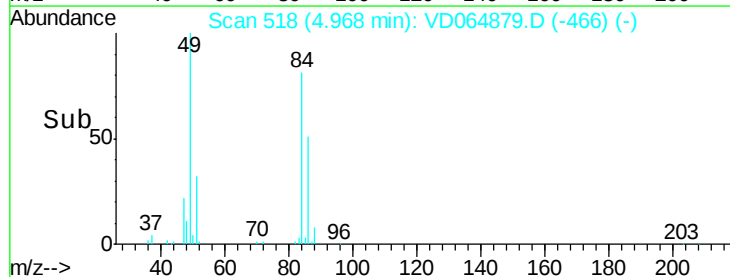
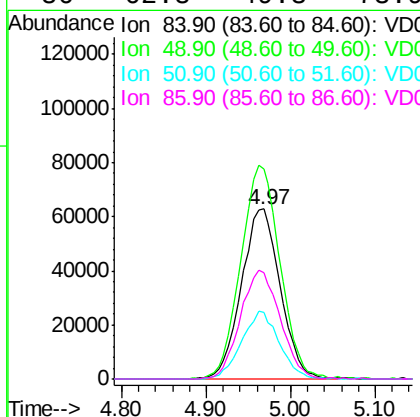
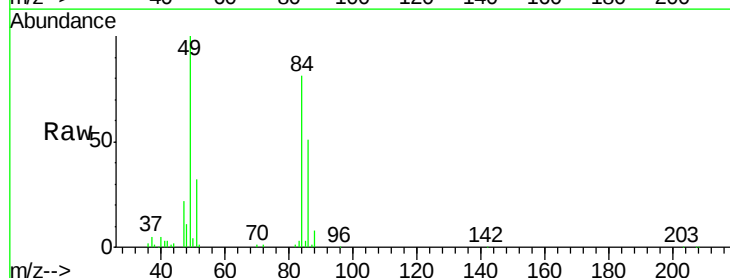
Manual Integrations
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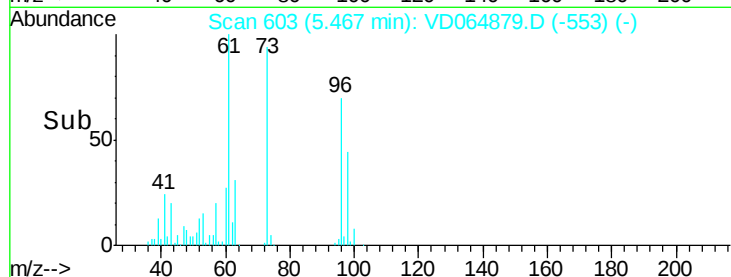
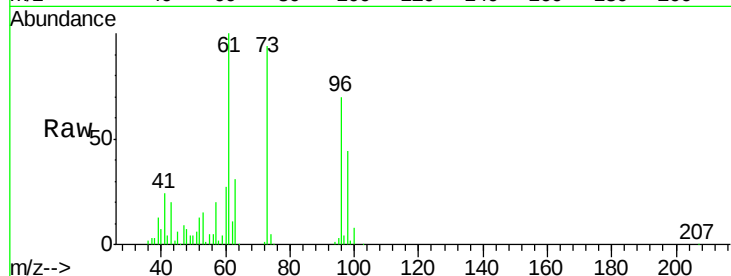
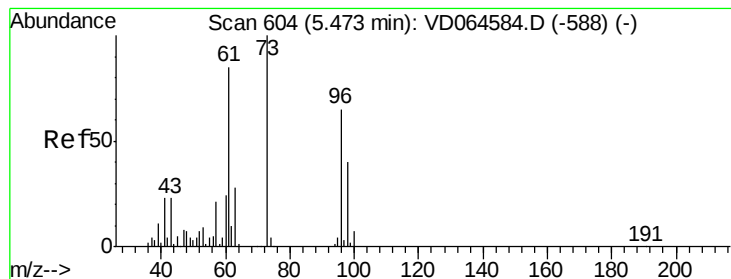
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#20
Methylene Chloride
Concen: 54.379 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 84 Resp: 200938
Ion Ratio Lower Upper
84 100
49 123.4 97.2 145.8
51 39.5 31.4 47.0
86 62.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 47.294 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Tot Ion:	96	Resp:	195700
Ion	Ratio	Lower	Upper
96	100		
61	142.2	104.7	157.1
98	62.8	49.4	74.2

Instrument :

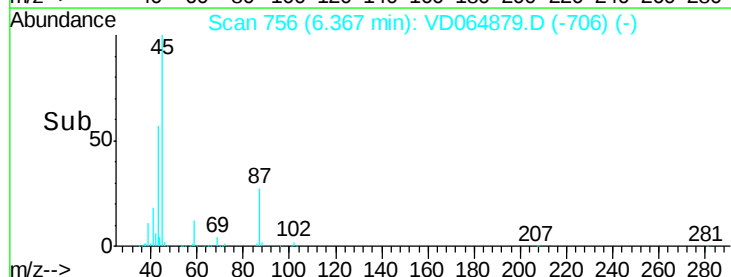
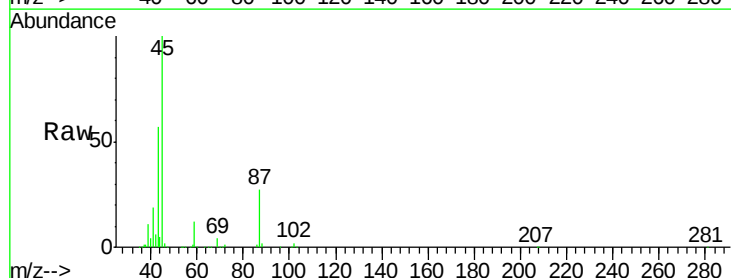
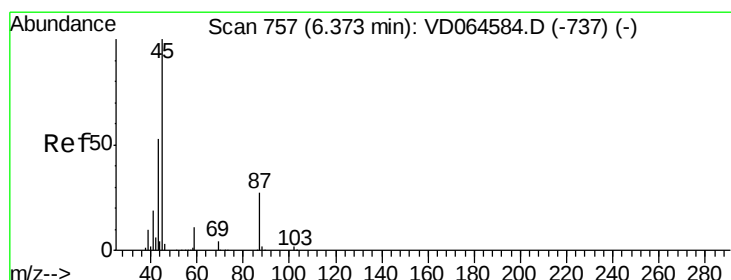
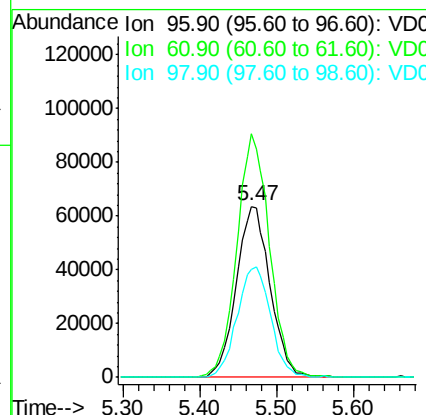
MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.622 ug/l

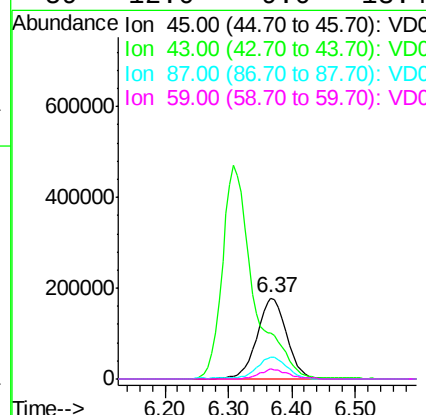
RT: 6.37 min Scan# 756

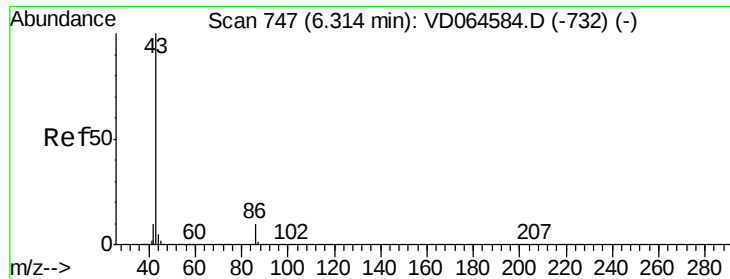
Delta R.T. -0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Tgt Ion:	45	Resp:	583288
Ion	Ratio	Lower	Upper
45	100		
43	56.8	43.2	64.8
87	26.8	21.9	32.9
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 250.324 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1604481

Ion Ratio Lower Upper

43 100

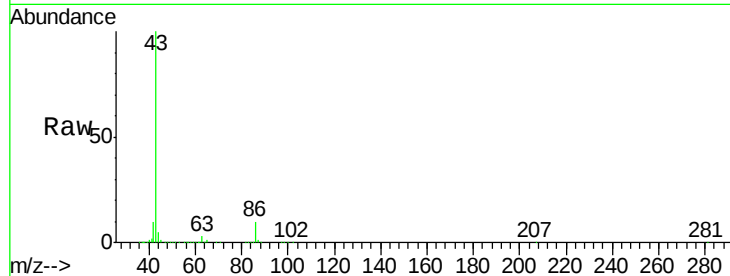
86 9.9 8.3 12.5

Manual Integrations

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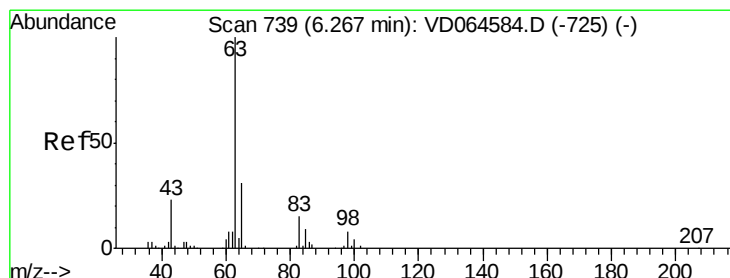
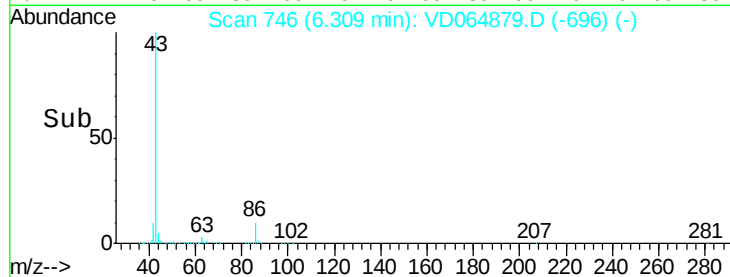
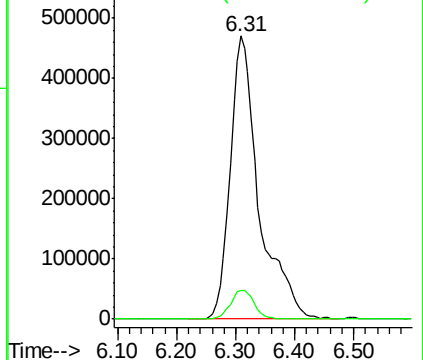
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.921 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

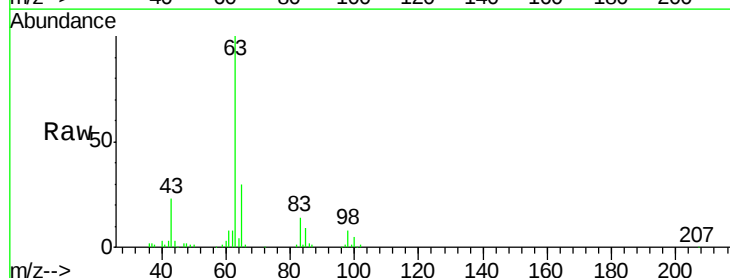
Tgt Ion: 63 Resp: 352193

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

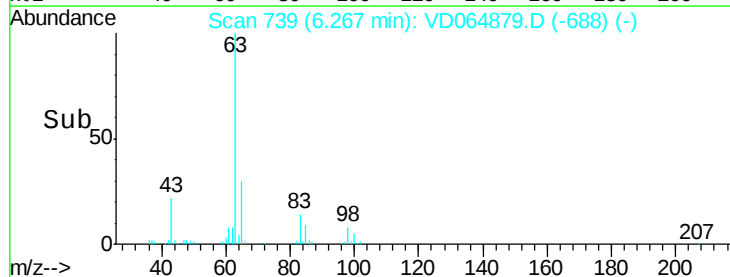
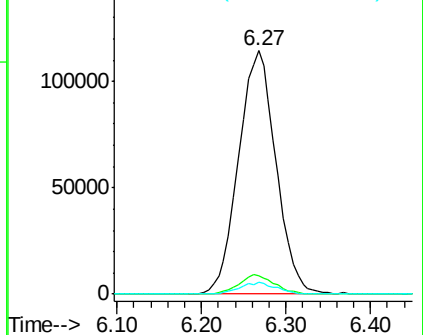
100 4.9 2.2 6.6

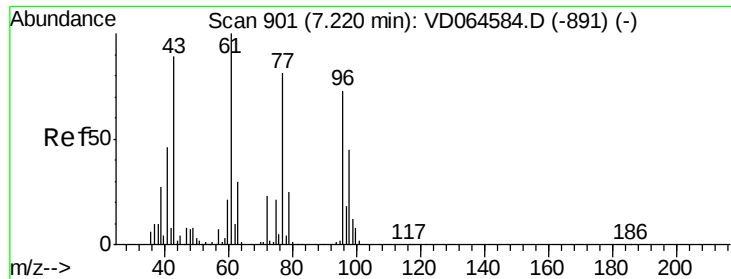


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 261.296 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 261561

Ion Ratio Lower Upper

43 100

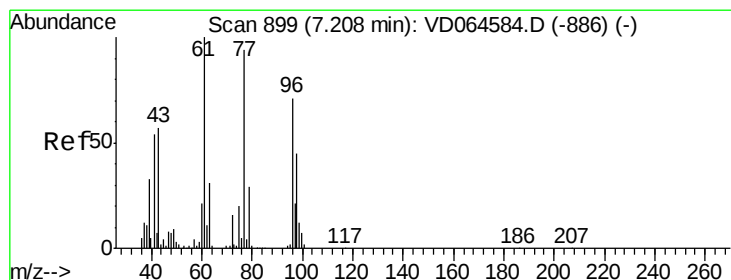
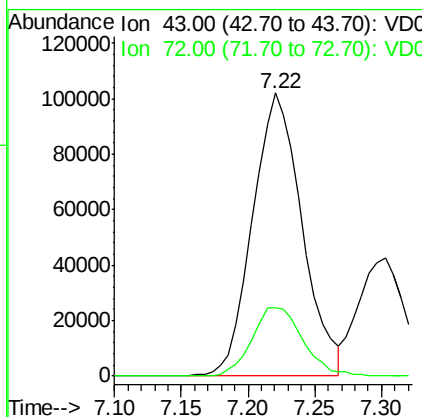
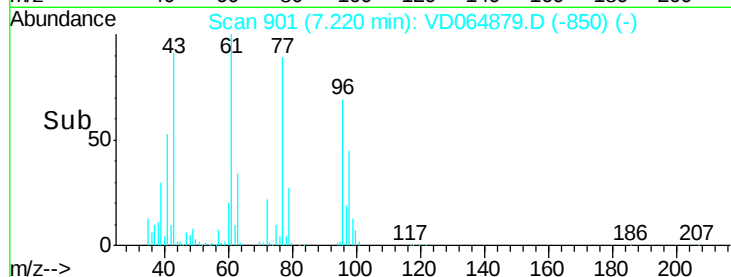
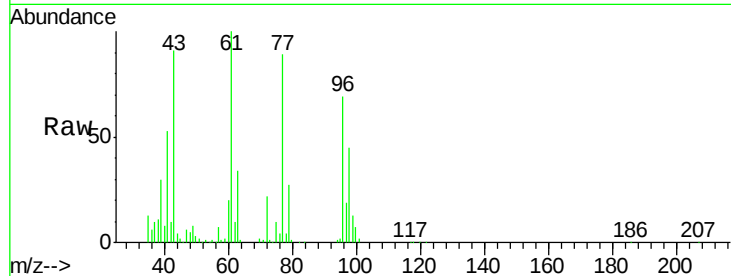
72 24.2 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 51.719 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064879.D

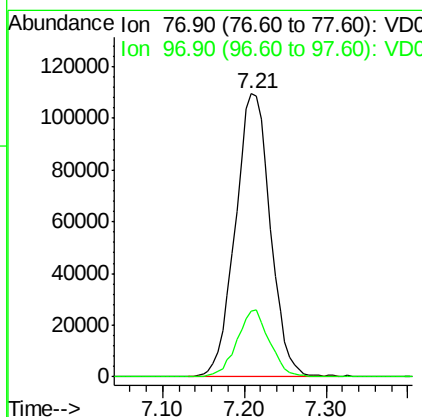
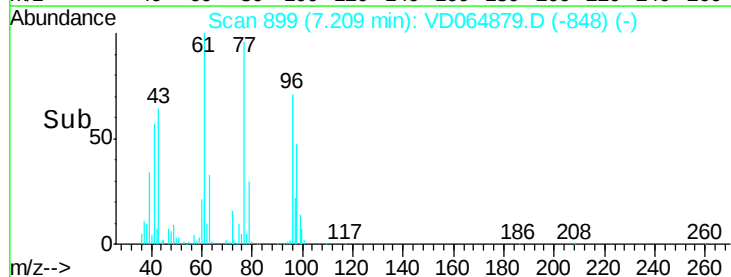
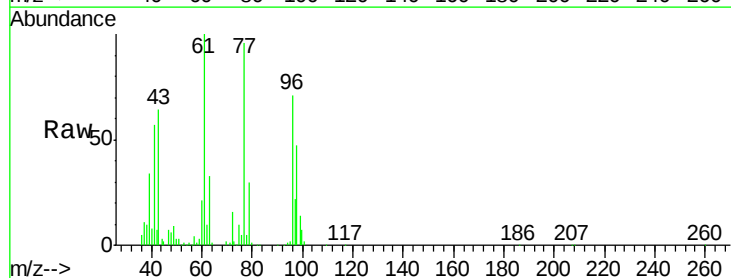
Acq: 20 Jan 2020 09:13

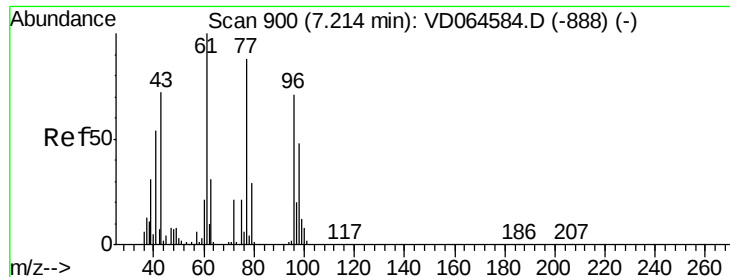
Tgt Ion: 77 Resp: 326184

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6





#27

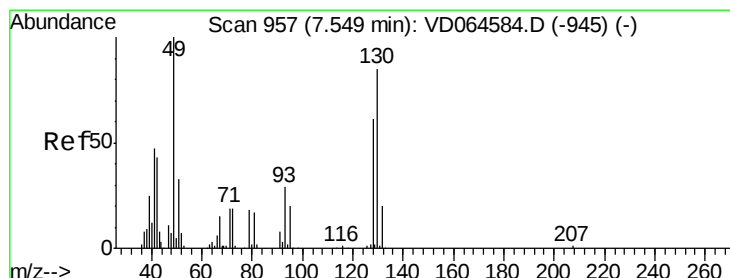
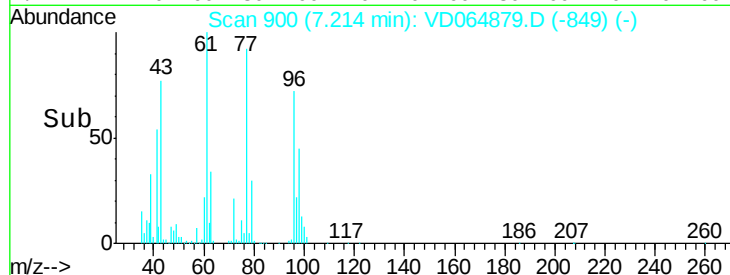
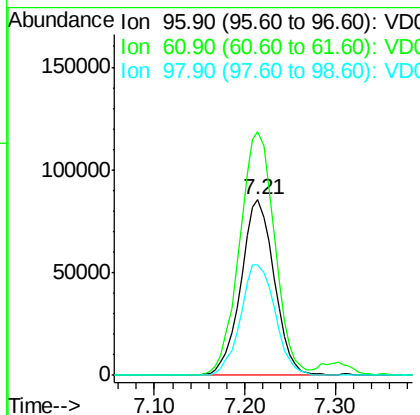
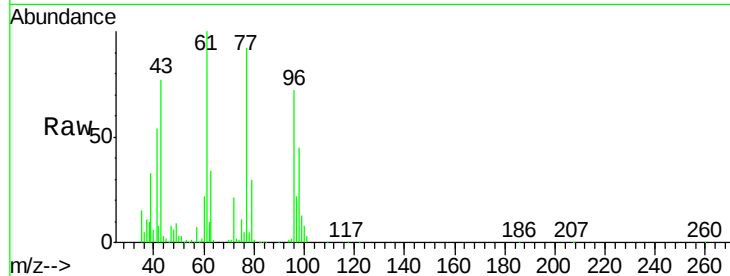
cis-1,2-Dichloroethene
Concen: 49.214 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	219776		
61	145.1	0.0	282.6	
98	65.3	0.0	130.8	

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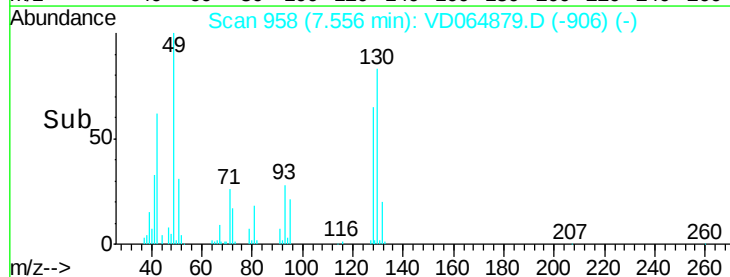
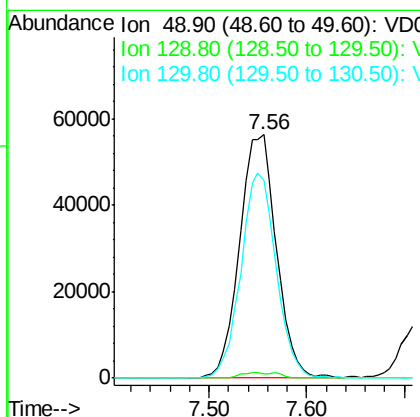
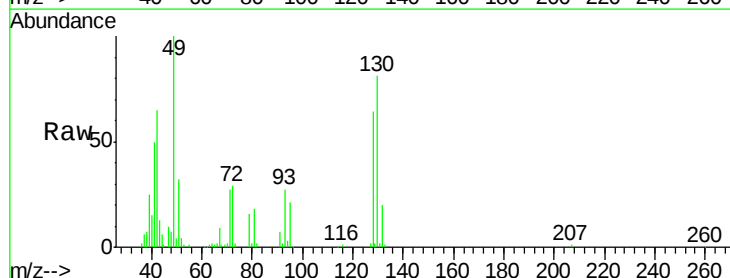
MMDadoda
1/21/2020 9:23:18 AM

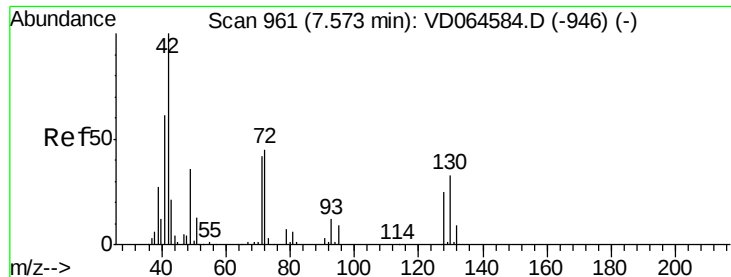


#28

Bromochloromethane
Concen: 56.424 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	148784		
129	1.7	0.0	4.8	
130	80.9	65.0	97.6	





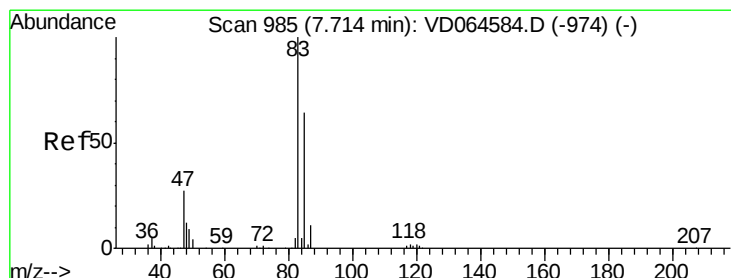
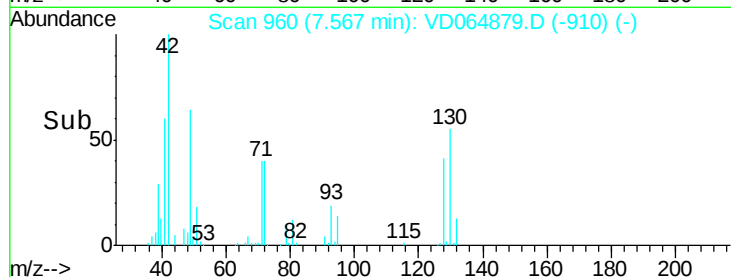
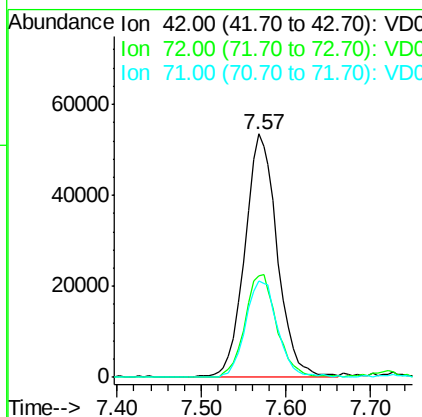
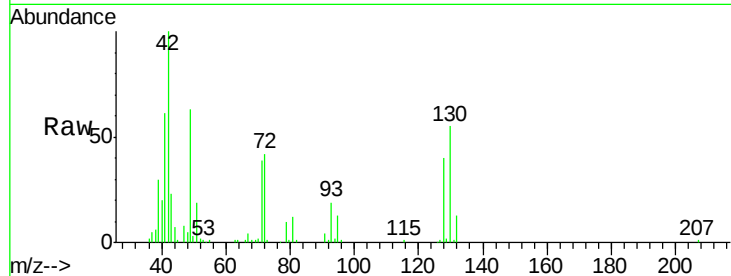
#29
Tetrahydrofuran
Concen: 230.109 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	35.0	52.4
71	39.2	32.9	49.3

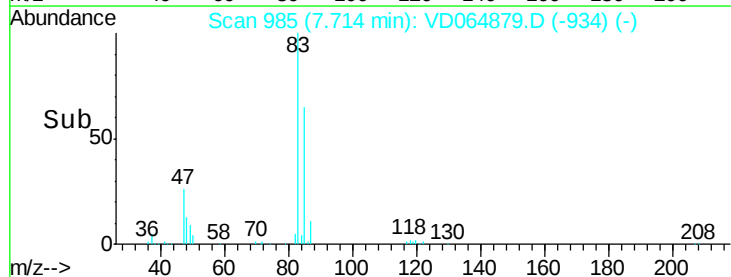
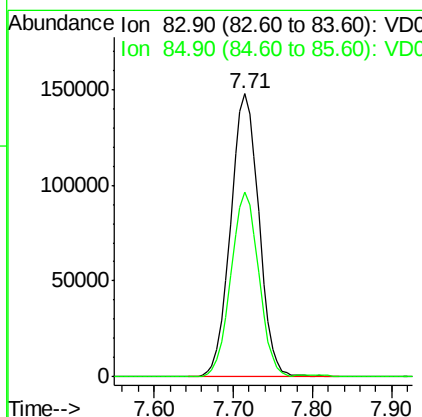
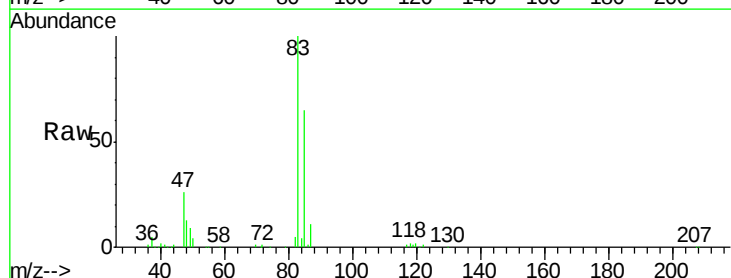
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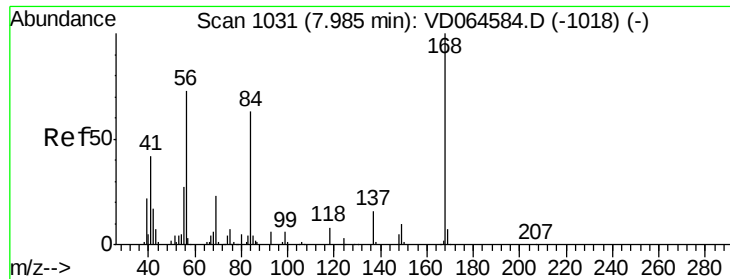
MMDadoda
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#30
Chloroform
Concen: 51.427 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.1	76.7





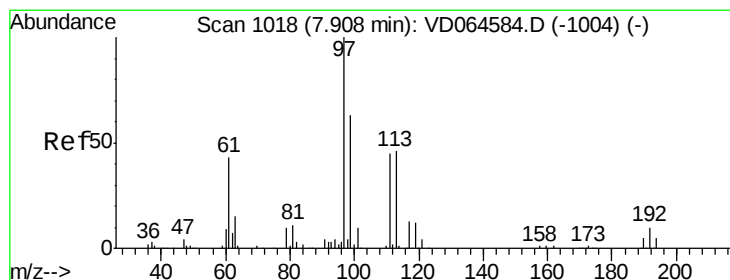
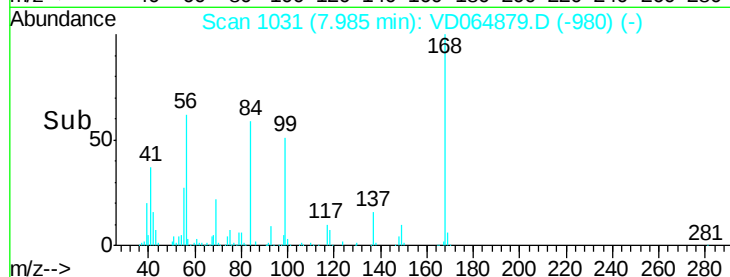
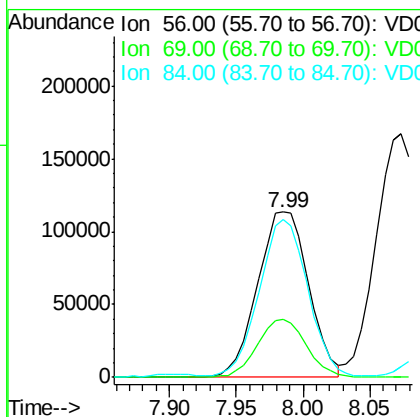
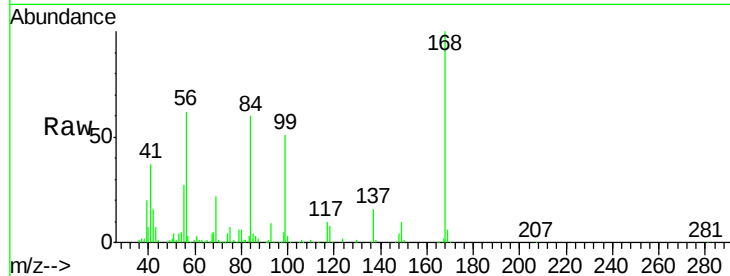
#31
Cyclohexane
Concen: 44.404 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.7	24.7	37.1	
84	93.9	69.4	104.2	

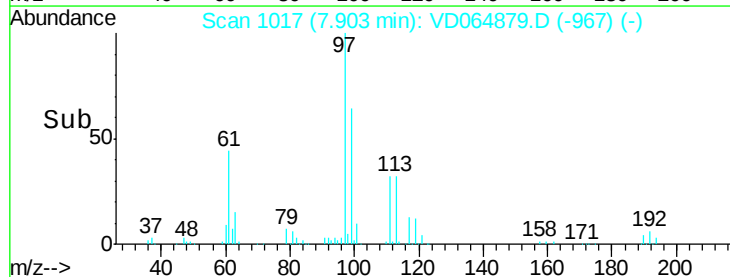
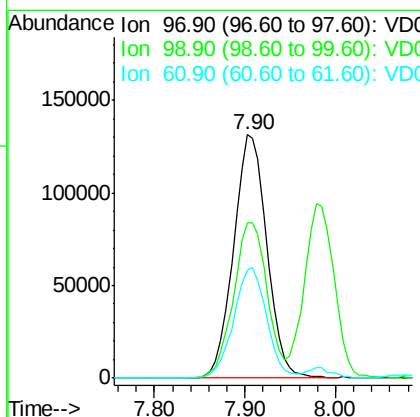
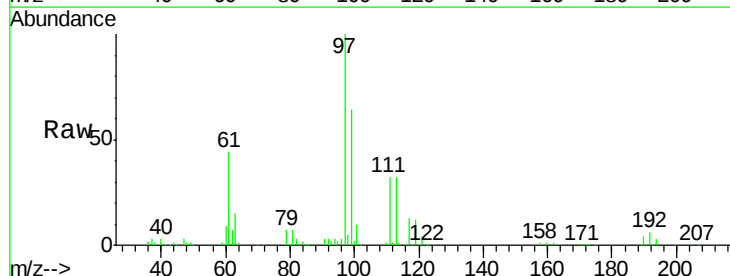
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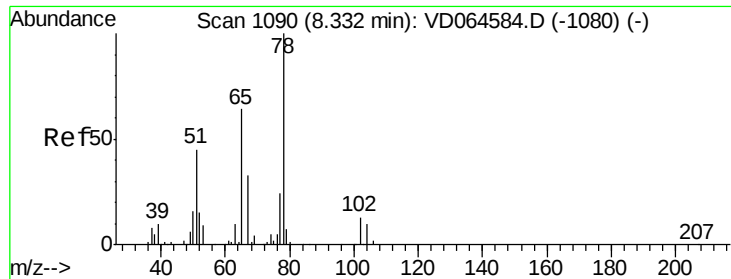
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1/21/2020 9:23:18 AM



#32
1,1,1-Trichloroethane
Concen: 50.205 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.5	51.0	76.6	
61	44.8	35.4	53.0	





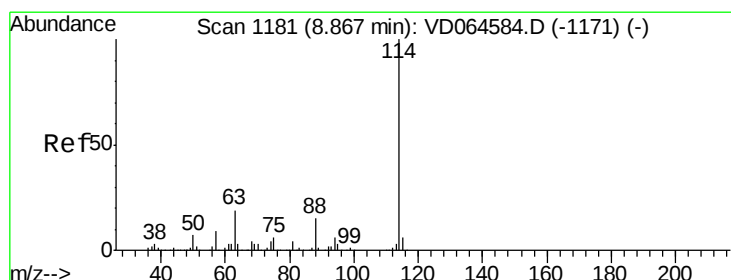
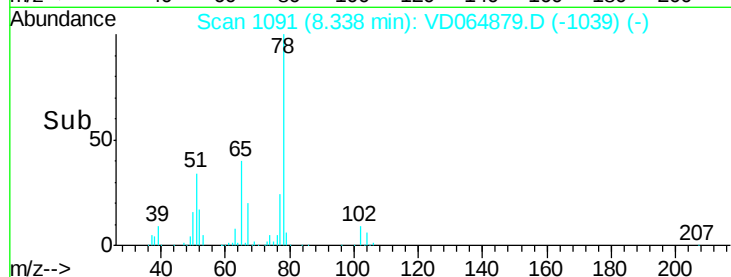
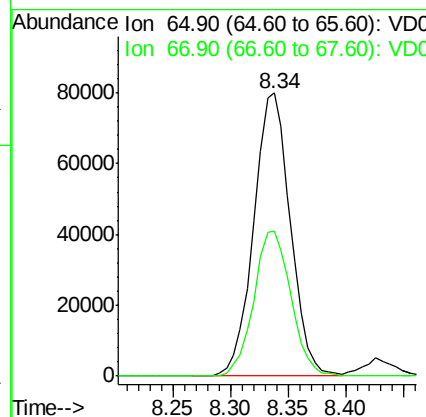
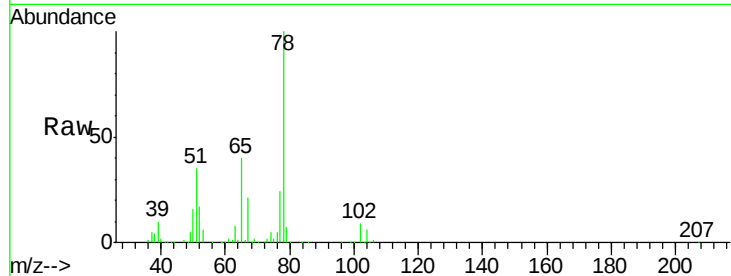
#33
 1,2-Dichloroethane-d4
 Concen: 48.547 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176793		
67	52.3	0.0	106.2	

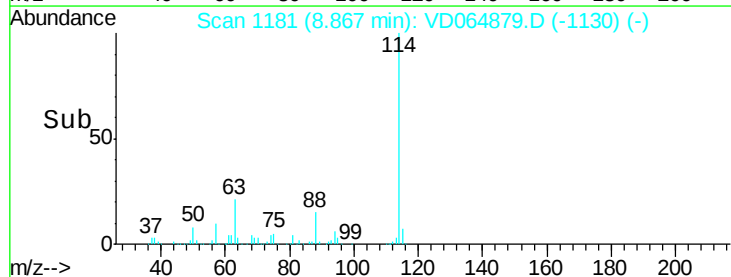
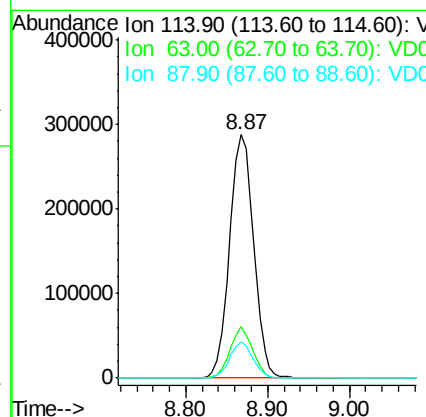
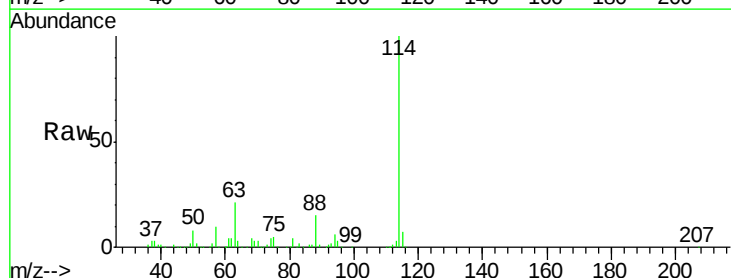
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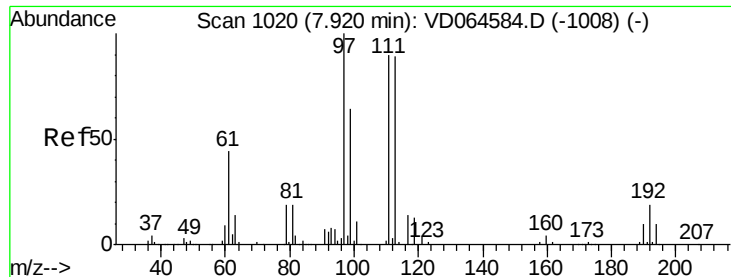
MMDadoda
 1/21/2020 9:23:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	594210		
63	21.0	0.0	38.0	
88	14.7	0.0	29.2	





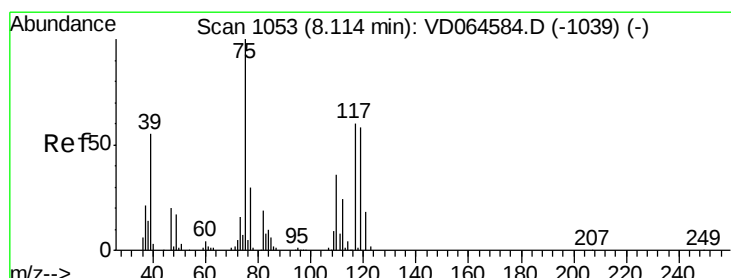
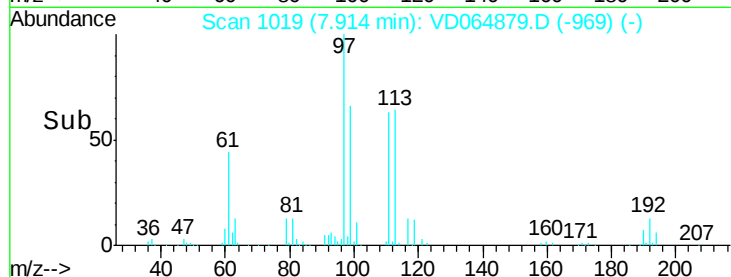
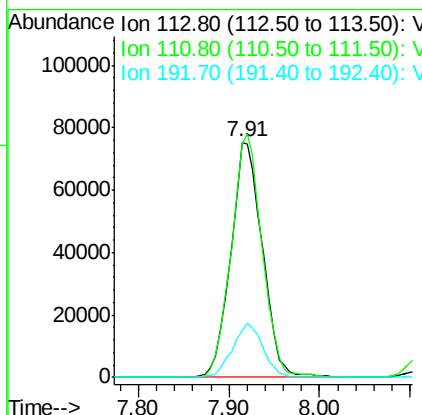
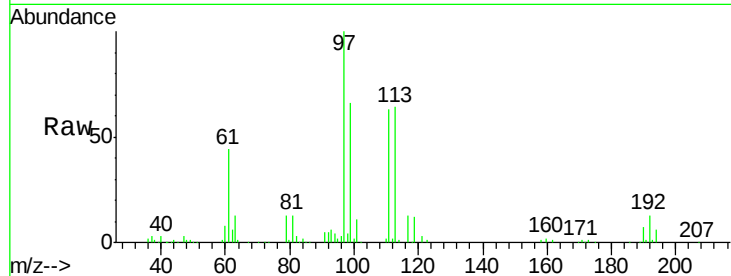
#35
 Dibromofluoromethane
 Concen: 49.839 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181691		
111	101.3	80.6	121.0	
192	22.0	17.9	26.9	

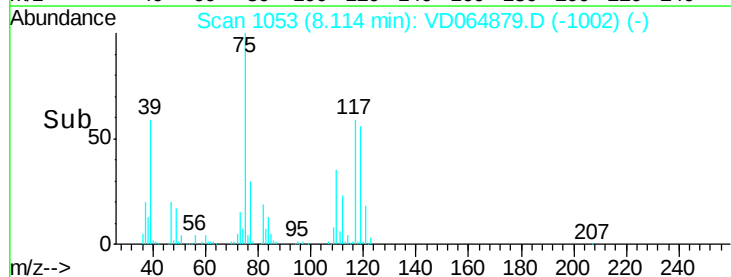
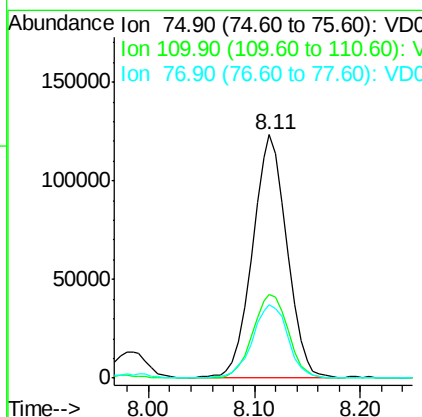
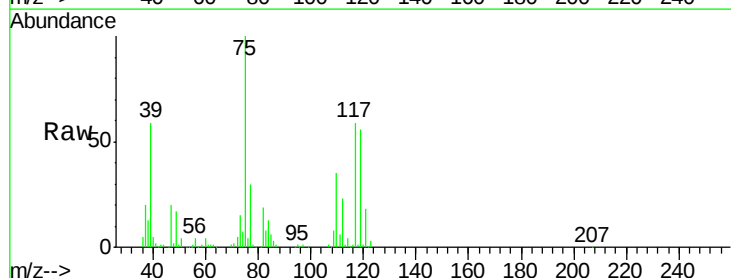
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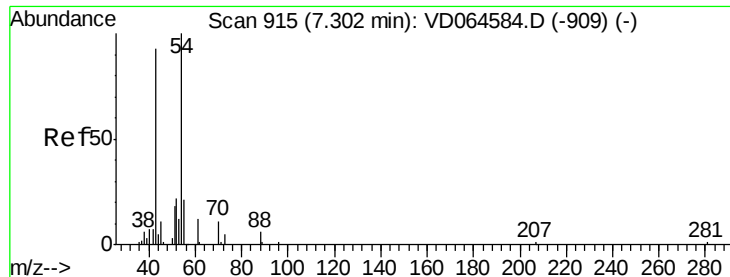
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#36
 1,1-Dichloropropene
 Concen: 48.827 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	279254		
110	35.4	18.1	54.1	
77	31.2	24.2	36.4	





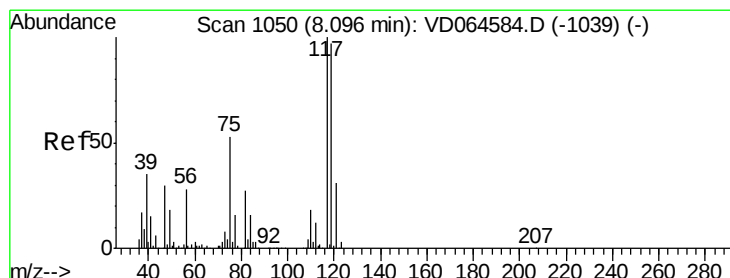
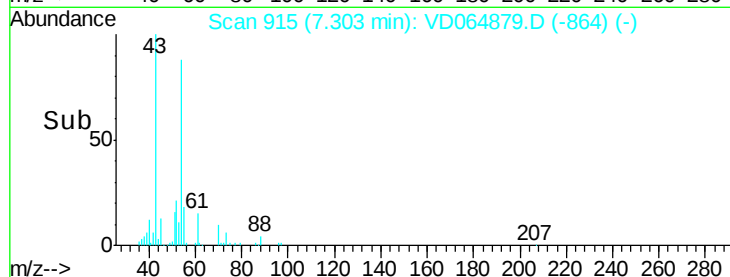
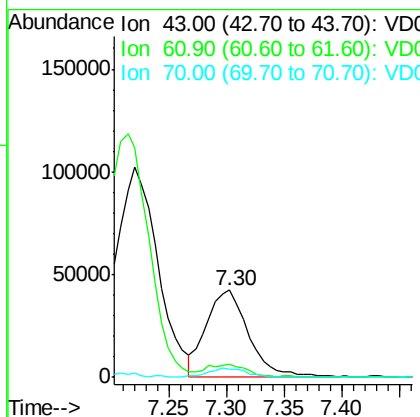
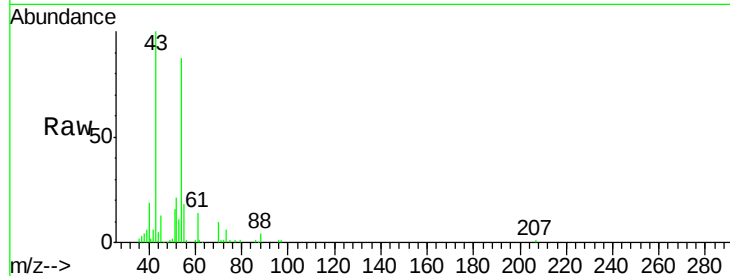
#37
Ethyl Acetate
Concen: 47.267 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.3	15.5
70	10.0	7.6	11.4

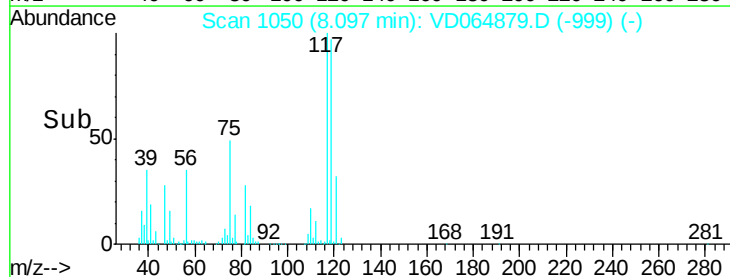
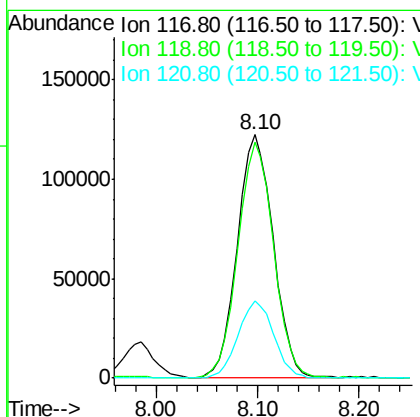
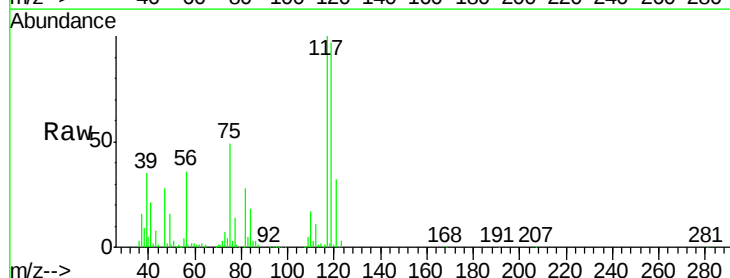
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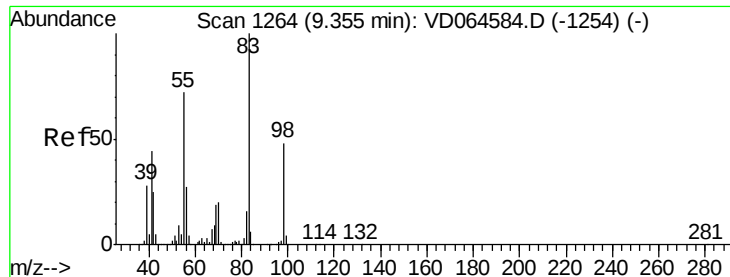
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#38
Carbon Tetrachloride
Concen: 49.245 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.3	115.9
121	31.7	25.0	37.6





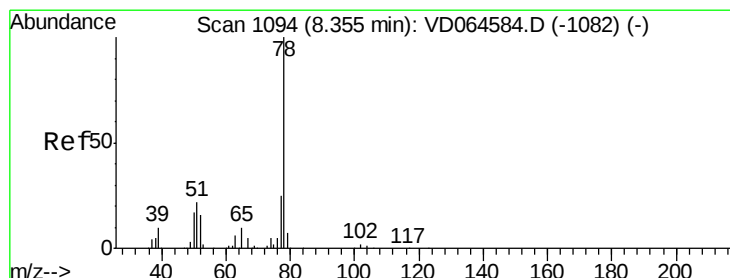
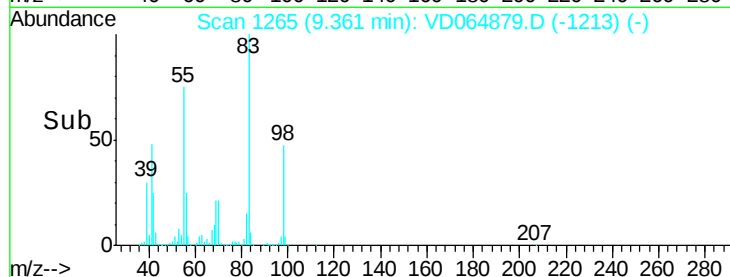
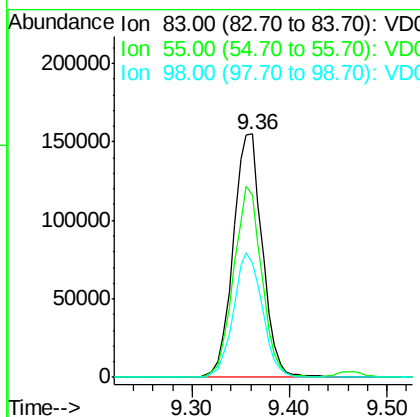
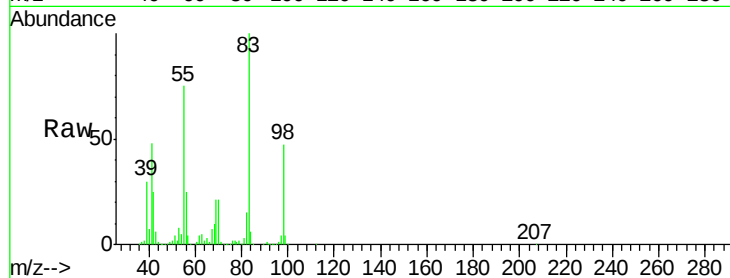
#39
Methvlcvclohexane
Concen: 46.340 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.8	86.6
98	47.0	38.7	58.1

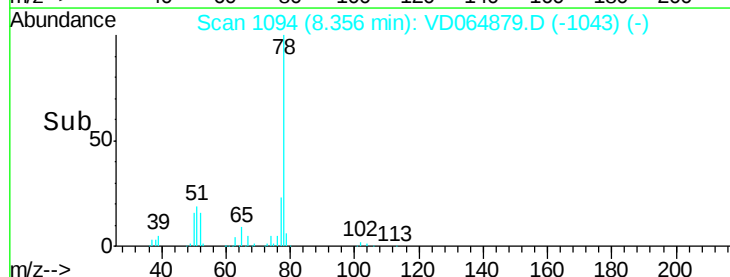
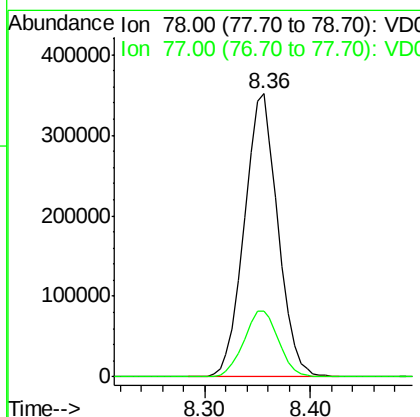
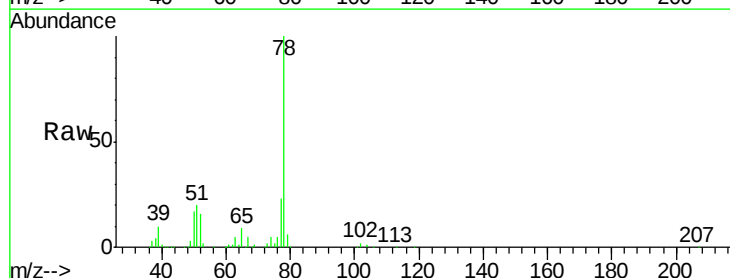
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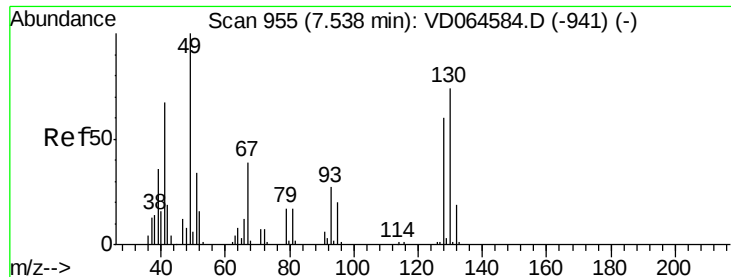
MMDadoda
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#40
Benzene
Concen: 49.697 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.9	29.9





#41

Methacrylonitrile

Concen: 53.393 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 69604

Ion Ratio Lower Upper

41 100

39 50.3 46.7 70.1

67 64.7 52.5 78.7

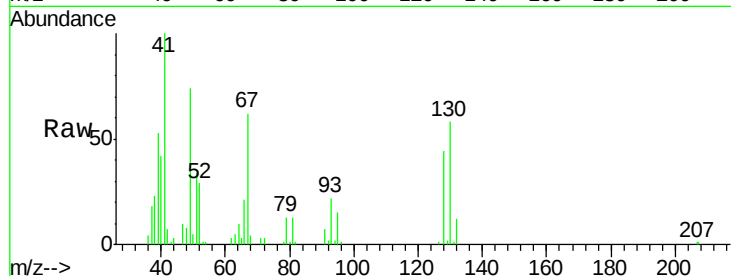
52 29.7 24.1 36.1

Manual Integrations

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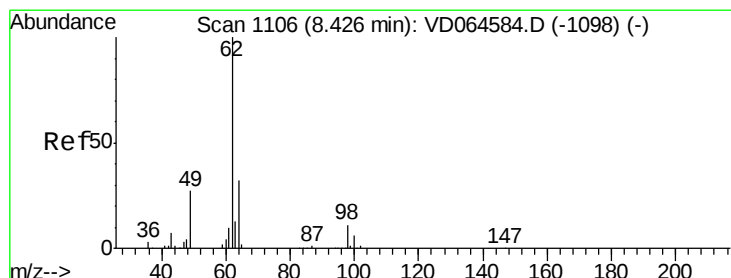
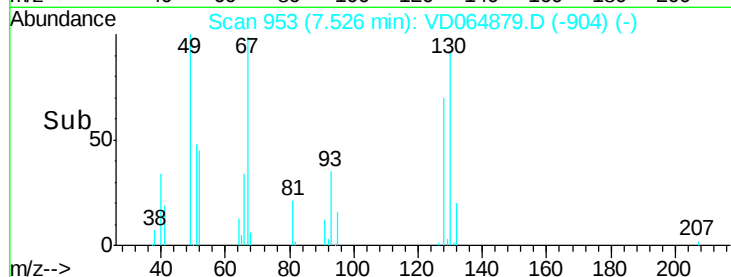
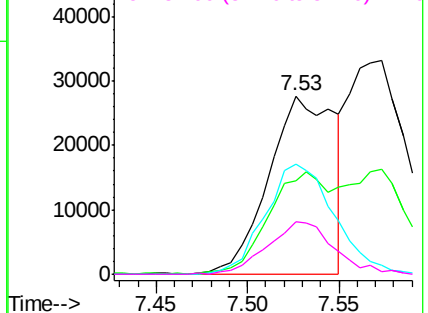


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 50.055 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064879.D

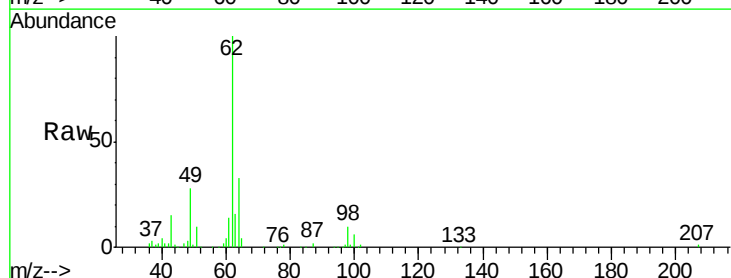
Acq: 20 Jan 2020 09:13

Tgt Ion: 62 Resp: 225835

Ion Ratio Lower Upper

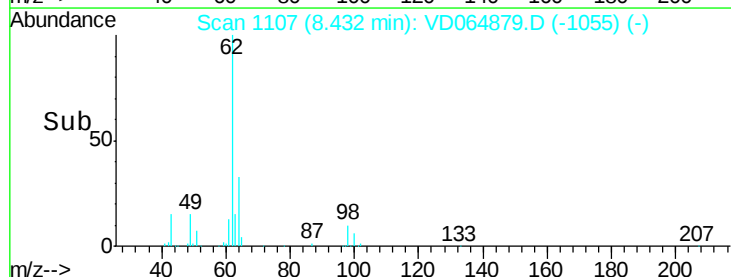
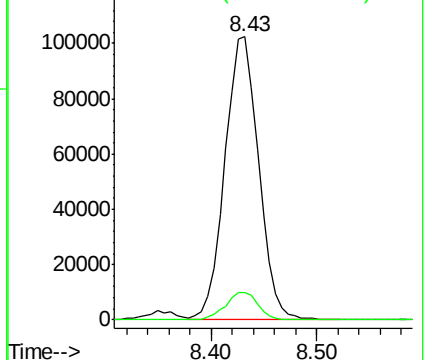
62 100

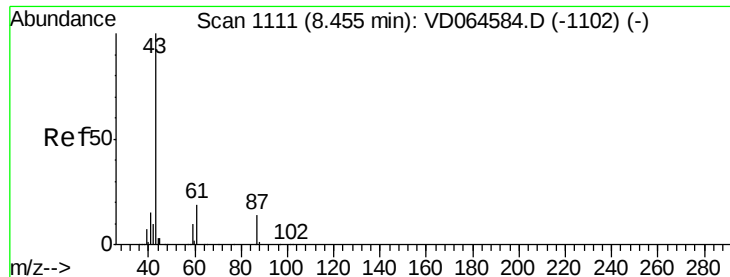
98 9.5 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 46.666 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

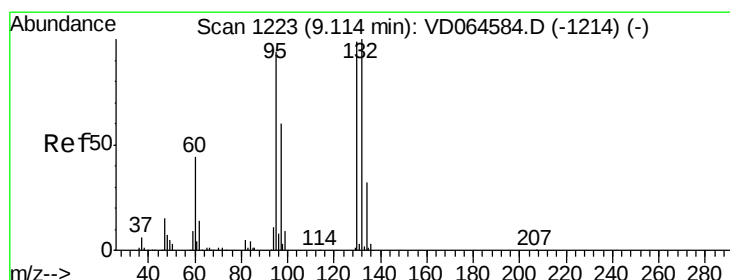
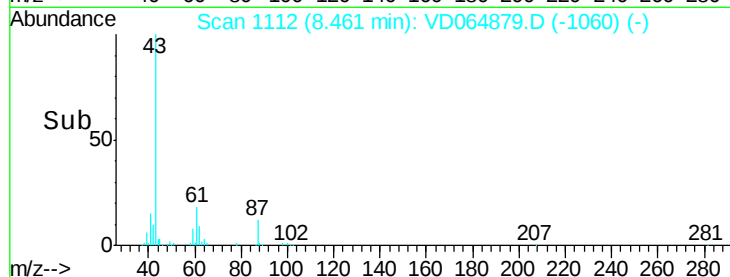
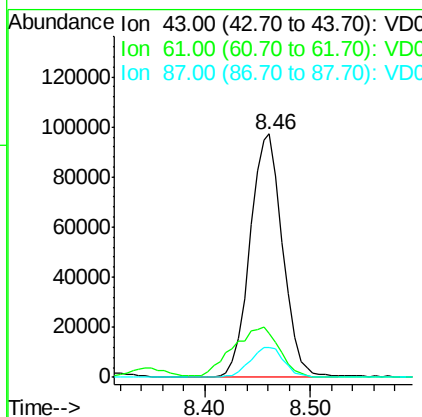
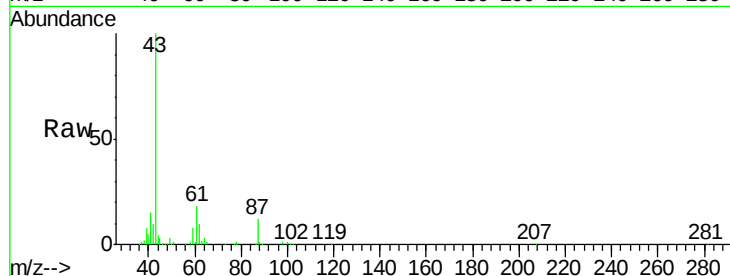
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	208694
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.7	35.5
87	12.9	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 48.452 ug/l

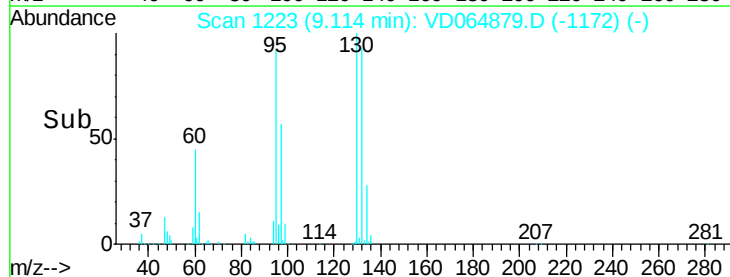
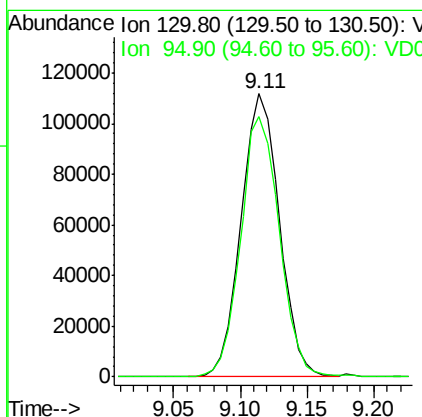
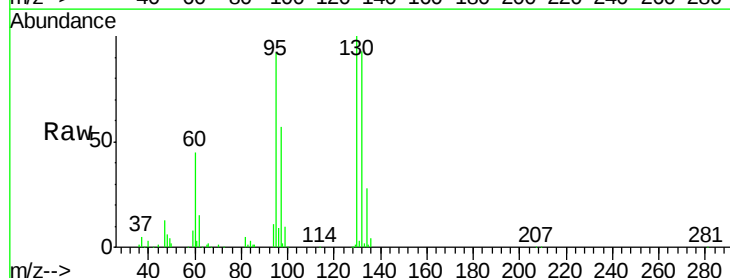
RT: 9.11 min Scan# 1223

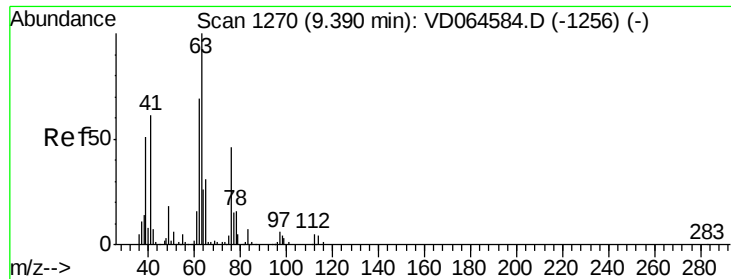
Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Tgt Ion:	130	Resp:	222232
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	190.2





#45

1,2-Dichloropropane

Concen: 52.017 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 193909

Ion Ratio Lower Upper

63 100

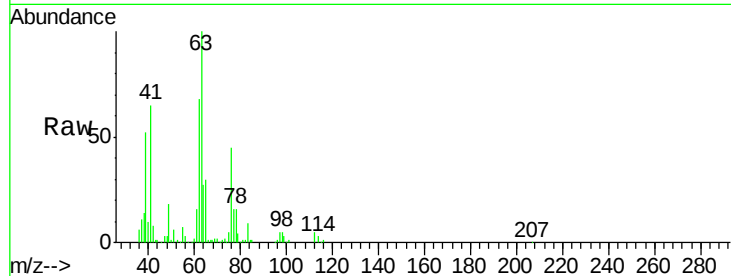
65 30.0 25.2 37.8

Manual Integrations

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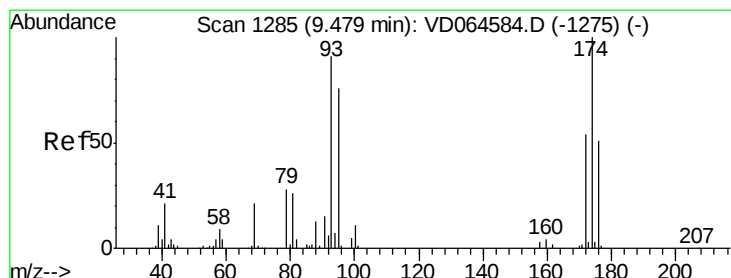
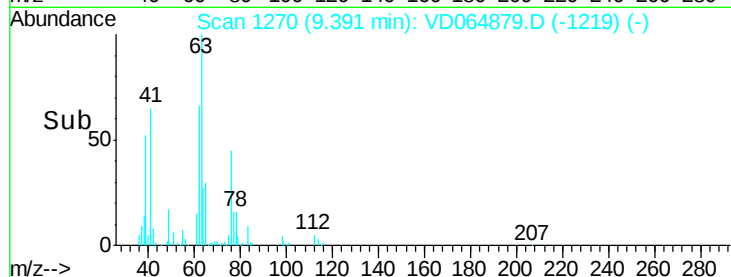
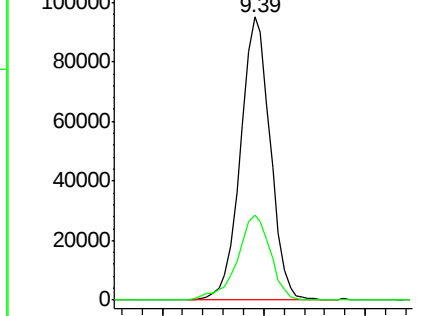
MMDadoda

1/21/2020 9:23:18 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.018 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

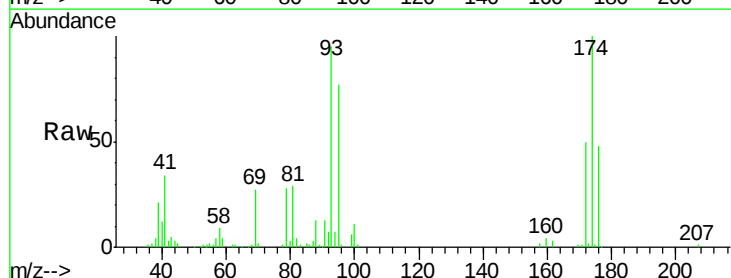
Tgt Ion: 93 Resp: 99799

Ion Ratio Lower Upper

93 100

95 82.8 64.6 97.0

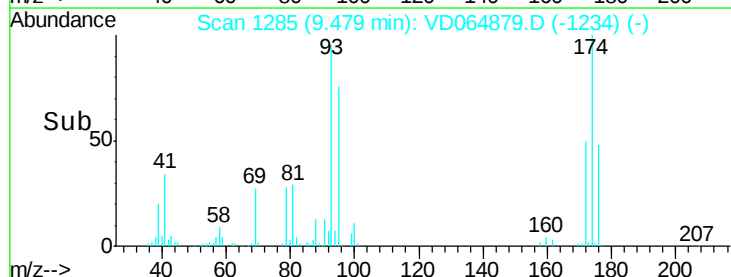
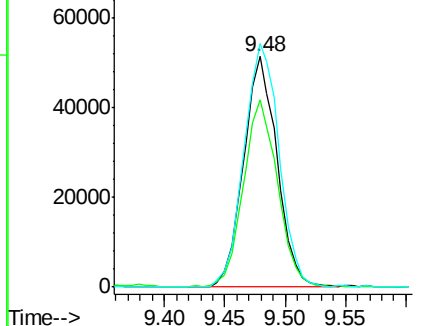
174 110.6 88.1 132.1

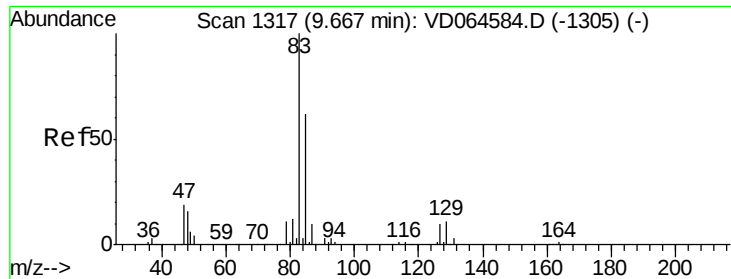


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





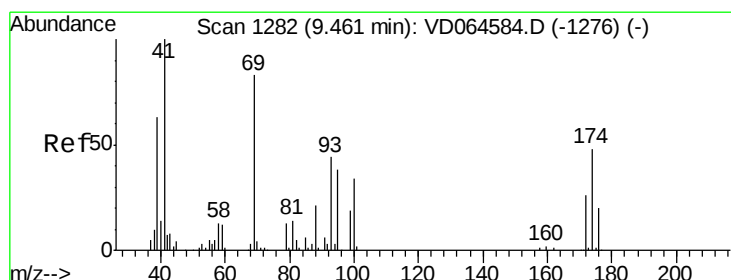
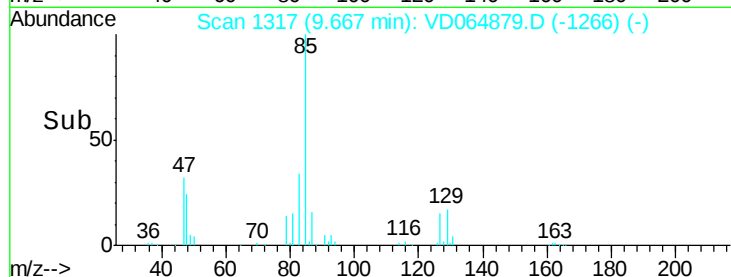
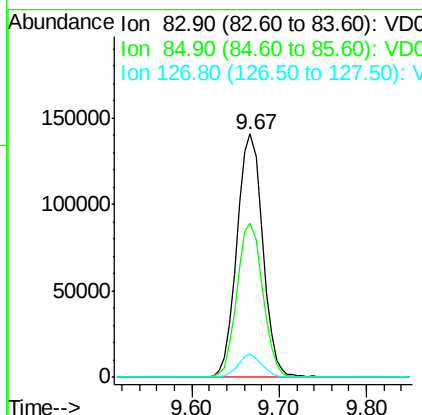
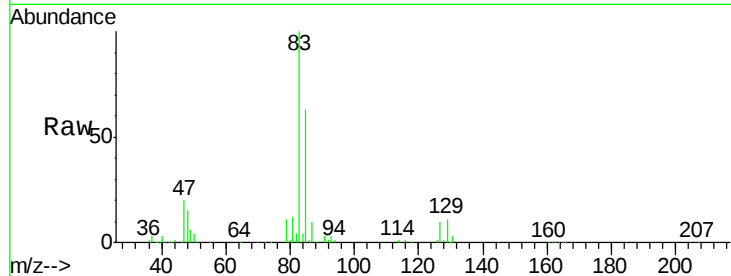
#47
Bromodichloromethane
Concen: 50.532 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	279468		
85	63.1	49.5	74.3	
127	9.7	7.8	11.6	

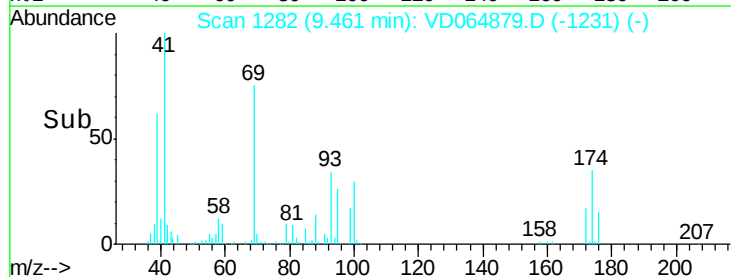
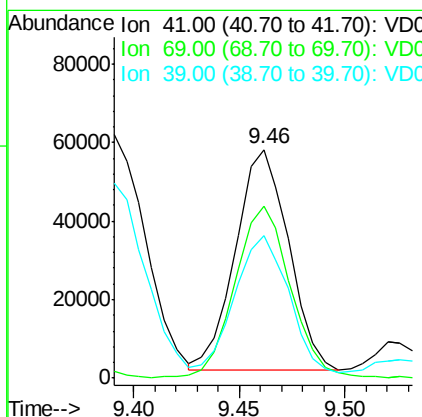
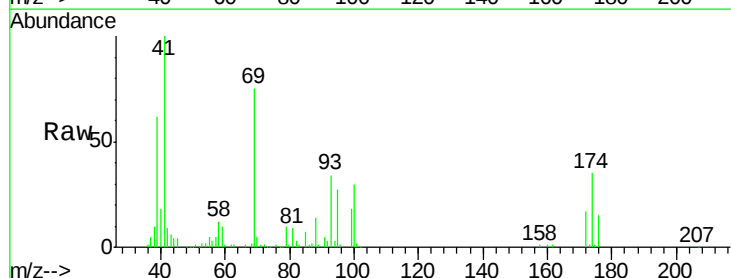
Manual Integrations
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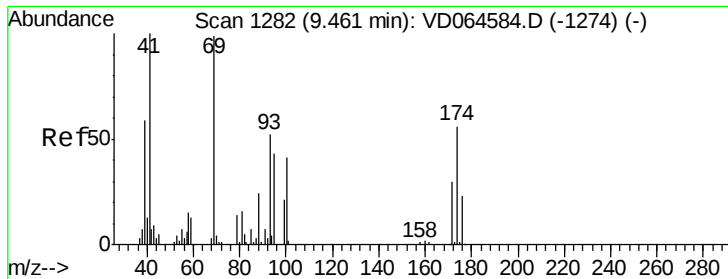
MMDadoda
1/21/2020 9:23:18 AM



#48
Methyl methacrylate
Concen: 46.605 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	98136		
69	81.1	63.0	94.6	
39	61.7	47.4	71.2	





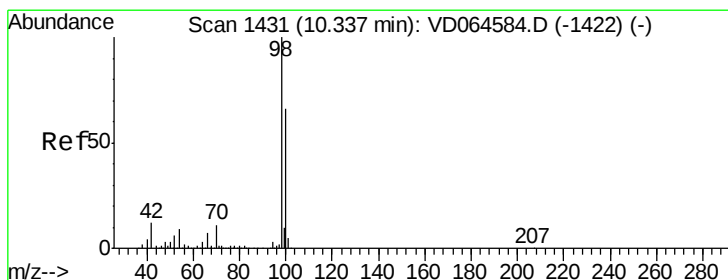
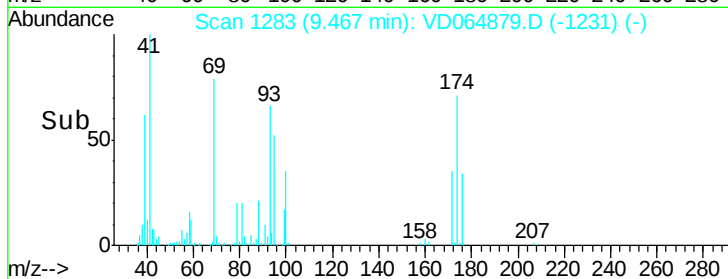
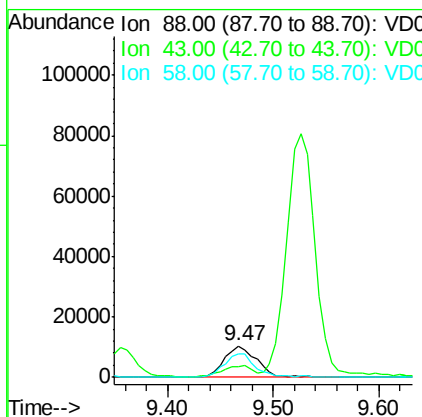
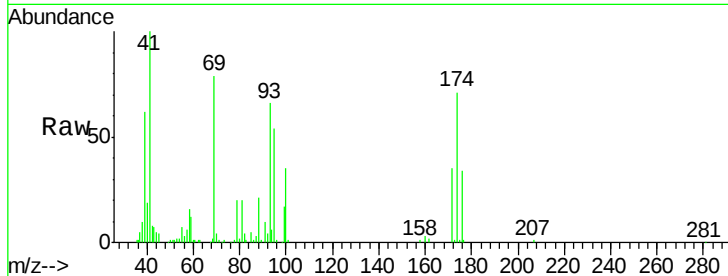
#49
1,4-Dioxane
Concen: 914.999 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	27.7	41.5
58	73.0	53.8	80.6

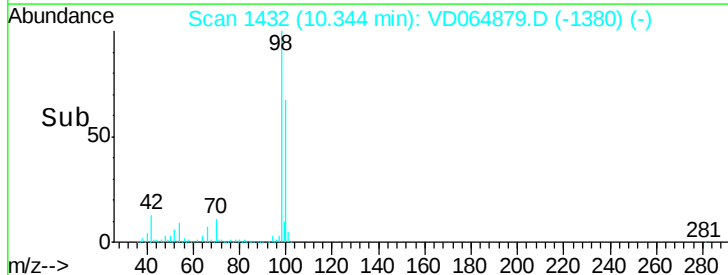
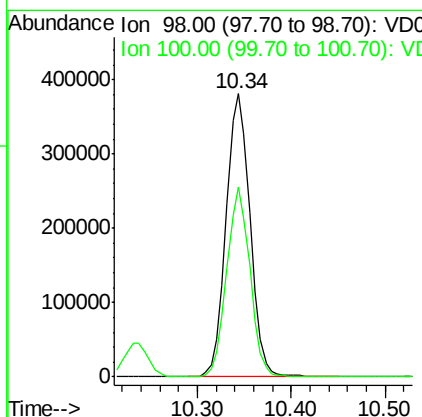
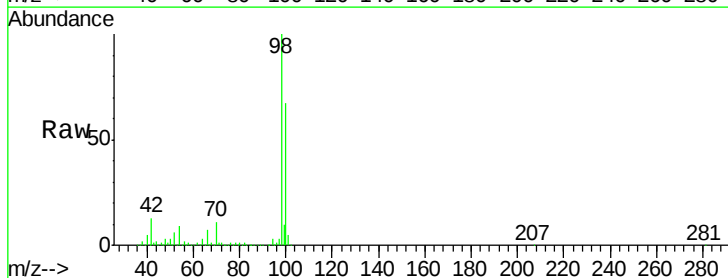
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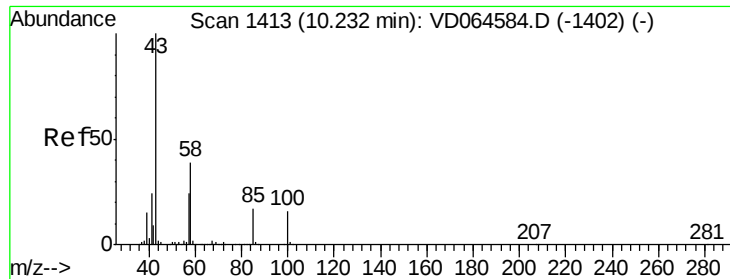
MMDadoda
1/21/2020 9:23:18 AM



#50
Toluene-d8
Concen: 48.326 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 234.901 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 519239

Ion Ratio Lower Upper

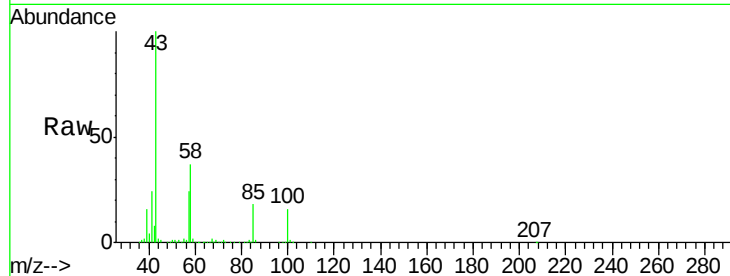
43 100

58 37.8 30.2 45.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

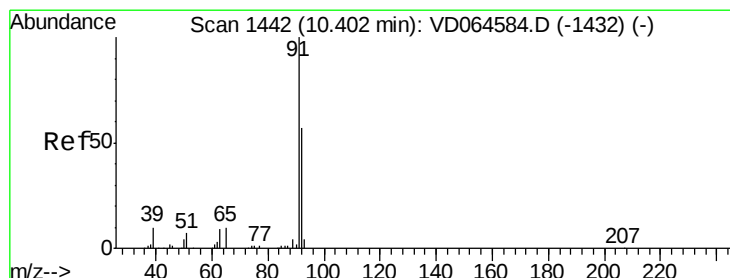
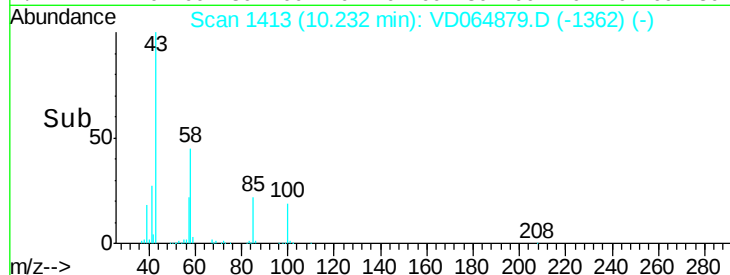
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.311 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064879.D

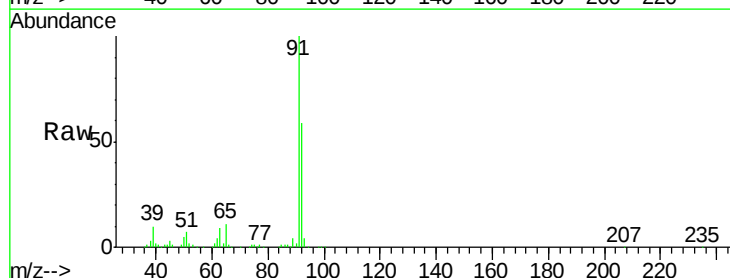
Acq: 20 Jan 2020 09:13

Tgt Ion: 92 Resp: 505102

Ion Ratio Lower Upper

92 100

91 172.2 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

500000

400000

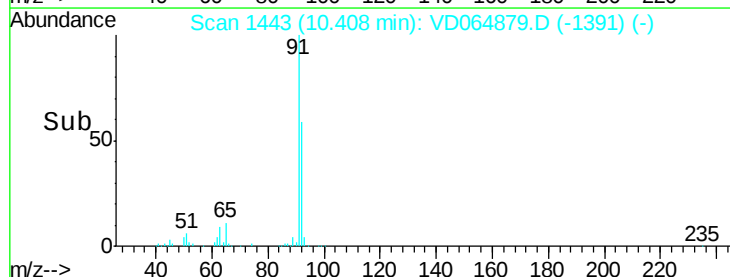
300000

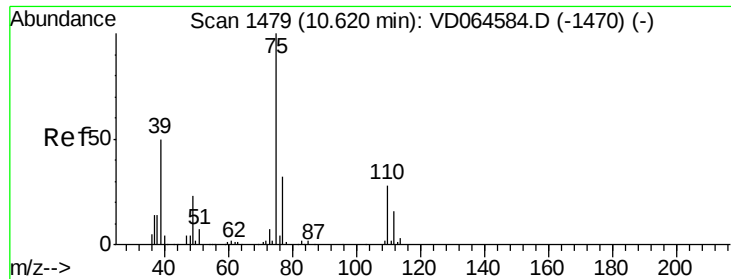
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.628 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 255891

Ion Ratio Lower Upper

75 100

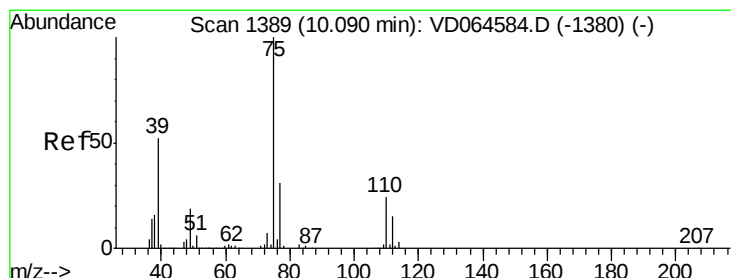
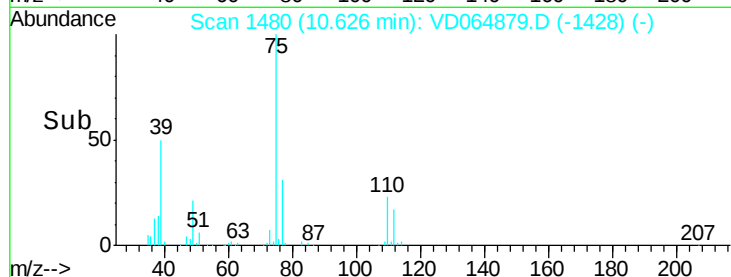
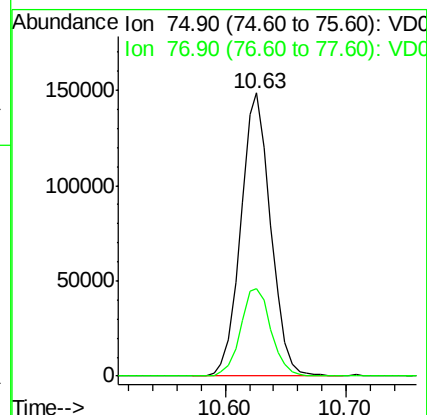
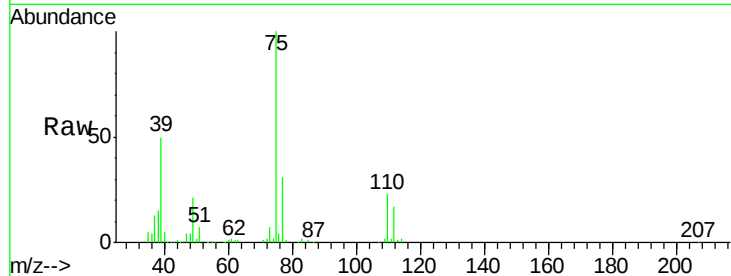
77 31.1 25.4 38.2

Manual Integrations

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MMDadoda

1/21/2020 9:23:18 AM



#54

cis-1,3-Dichloropropene

Concen: 51.618 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

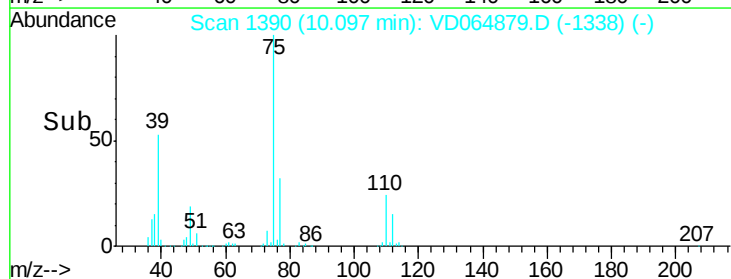
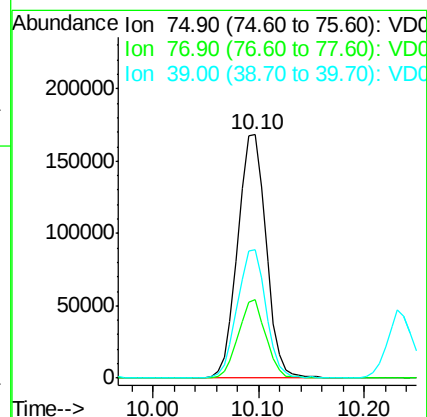
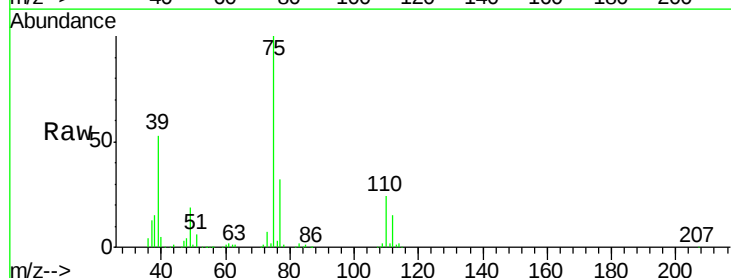
Tgt Ion: 75 Resp: 313827

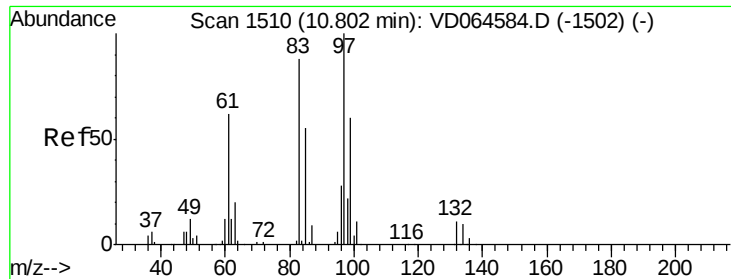
Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8

39 52.6 41.4 62.2





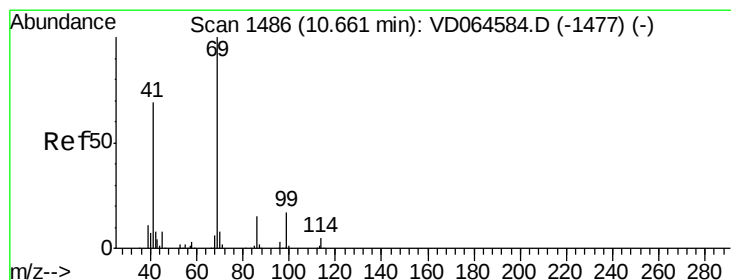
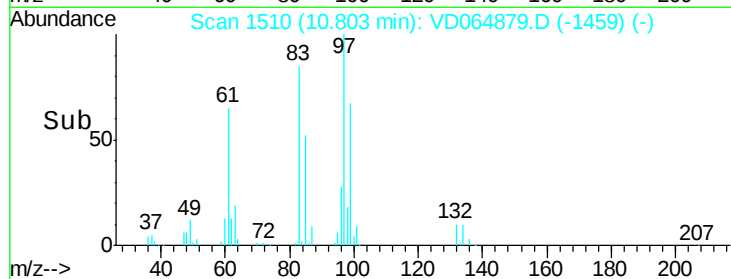
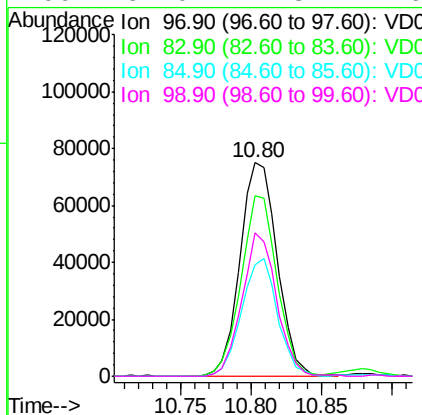
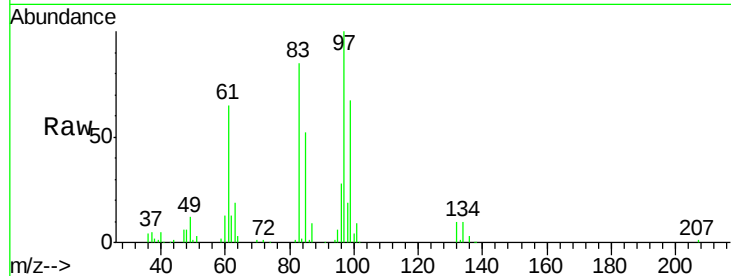
#55
1,1,2-Trichloroethane
Concen: 49.574 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	138855		
83	84.7	70.2	105.4	
85	52.1	44.0	66.0	
99	67.0	47.8	71.6	

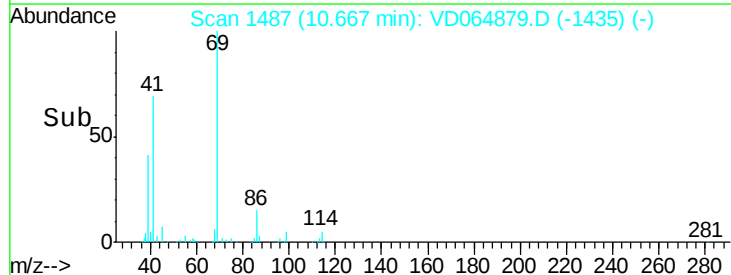
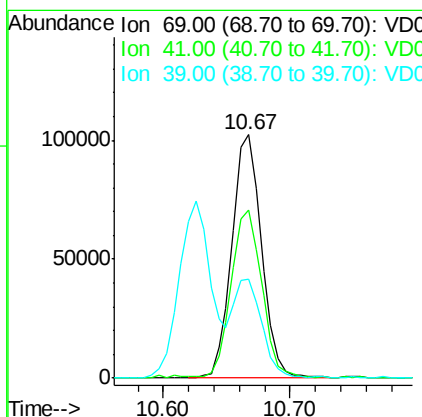
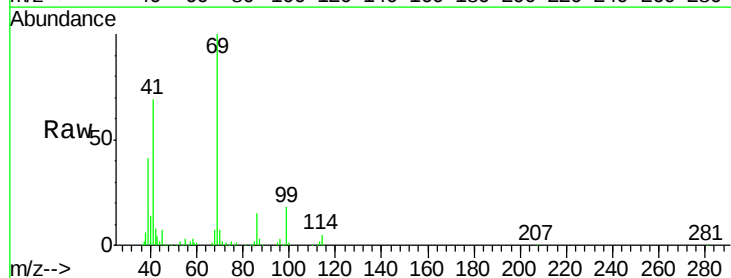
Manual Integrations
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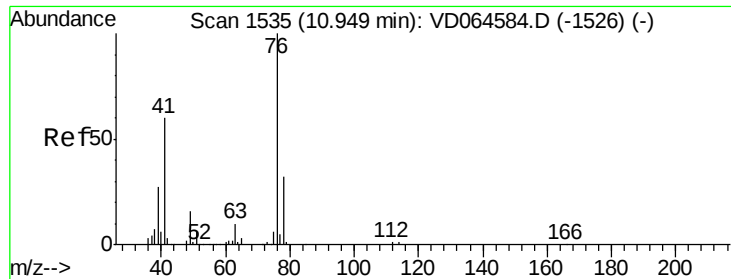
MMDadoda
1/21/2020 9:23:18 AM



#56
Ethyl methacrylate
Concen: 47.565 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	166384		
41	69.9	55.3	82.9	
39	37.8	33.8	50.8	





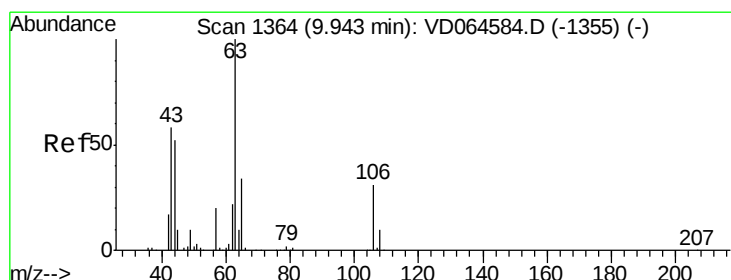
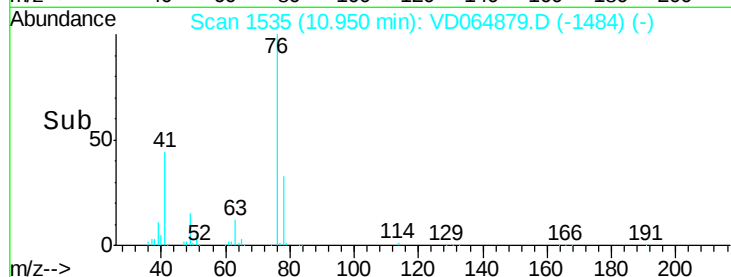
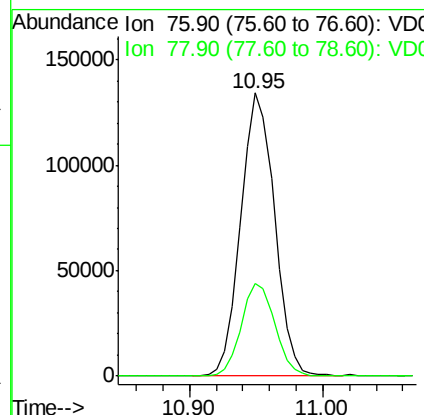
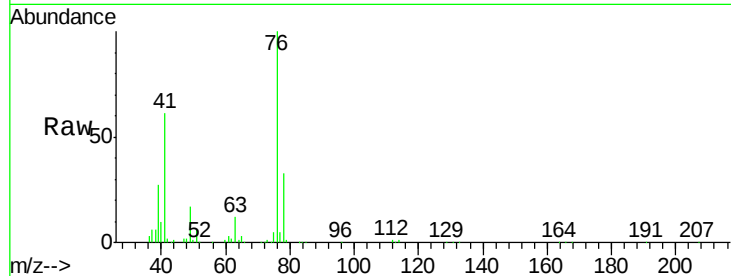
#57
 1,3-Dichloropropane
 Concen: 48.912 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 235887
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4

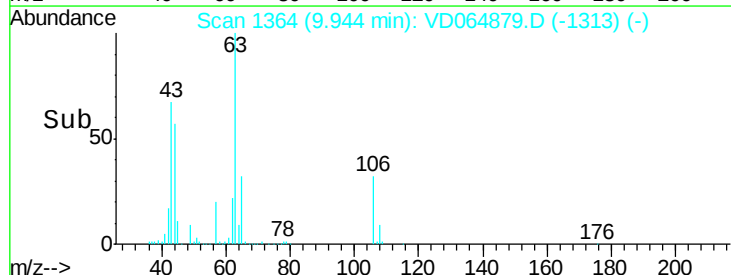
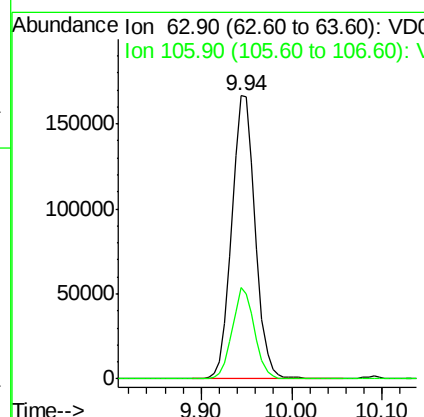
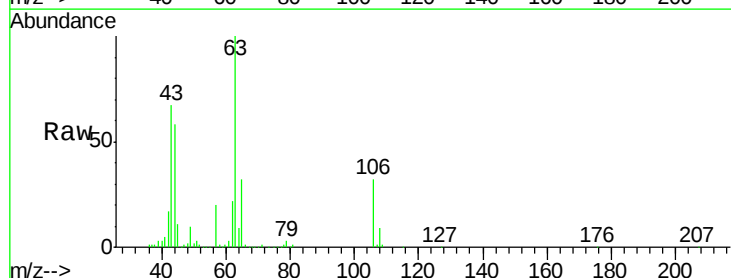
Manual Integrations
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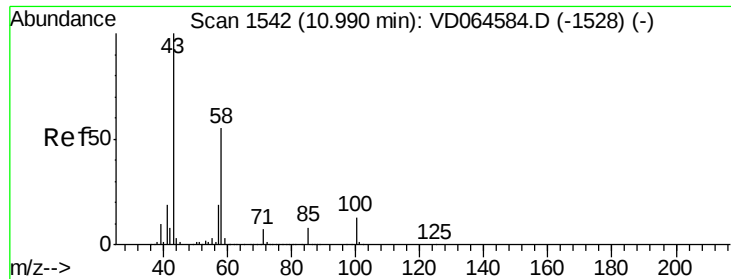
MMDadoda
 1/21/2020 9:23:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.490 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion: 63 Resp: 300516
 Ion Ratio Lower Upper
 63 100
 106 30.4 23.8 35.8





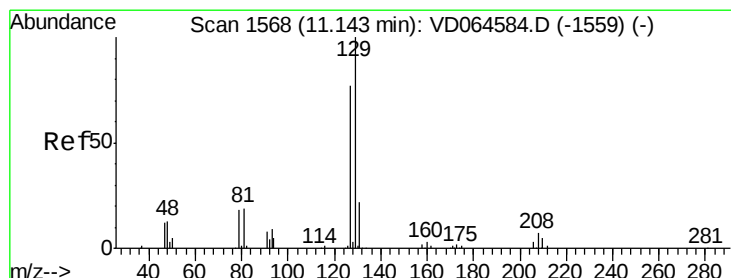
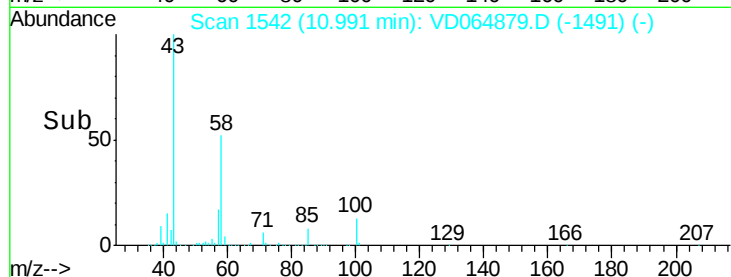
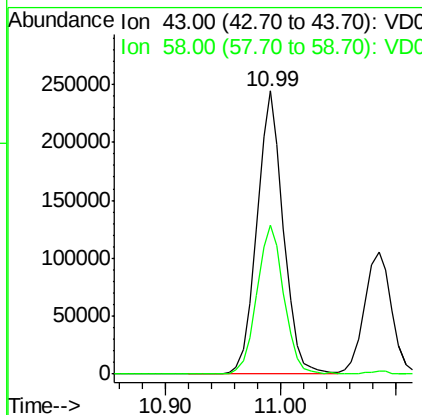
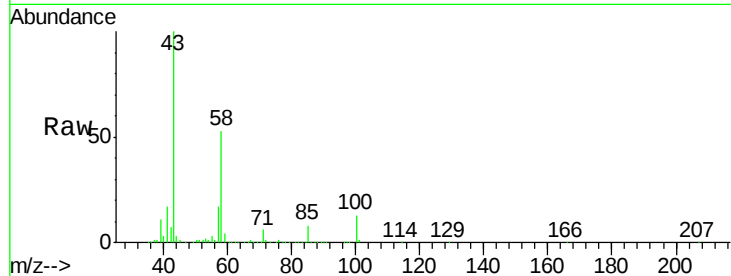
#59
2-Hexanone
Concen: 258.657 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 388059
Ion Ratio Lower Upper
43 100
58 54.1 26.4 79.0

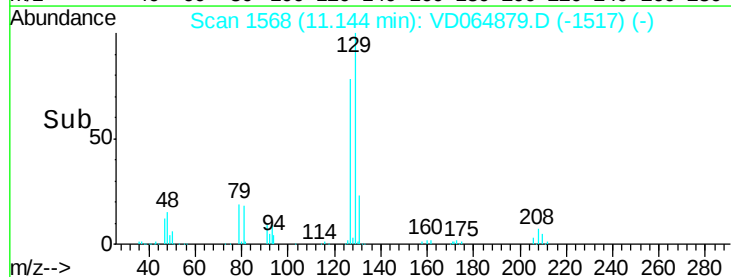
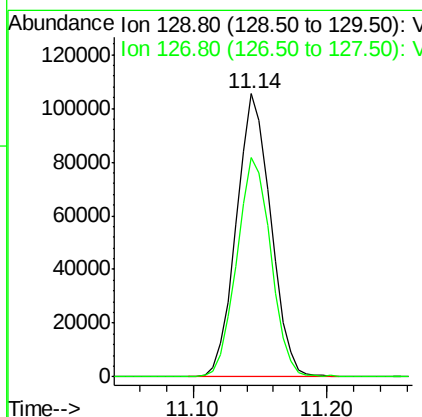
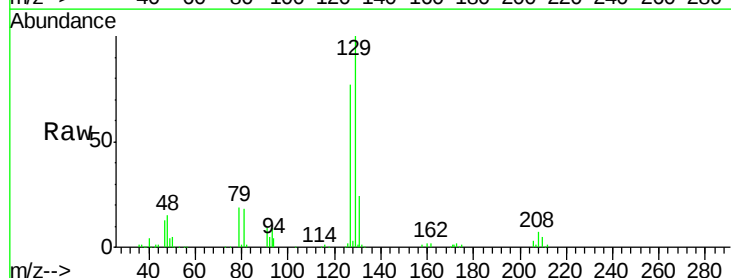
Manual Integrations
APPROVED

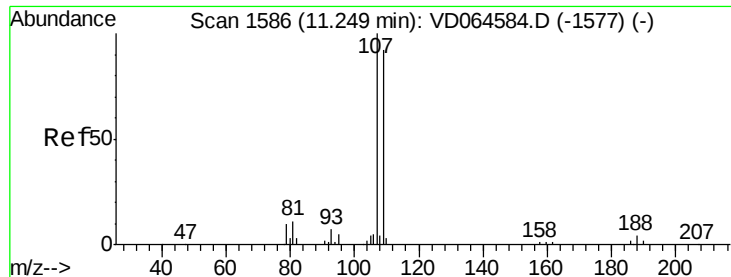
MMDadoda
1/21/2020 9:23:18 AM



#60
Dibromochloromethane
Concen: 48.709 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 129 Resp: 188668
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.2





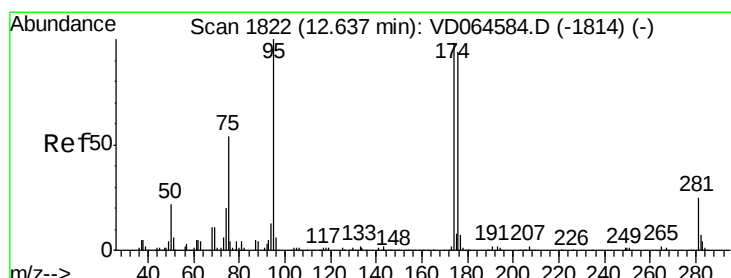
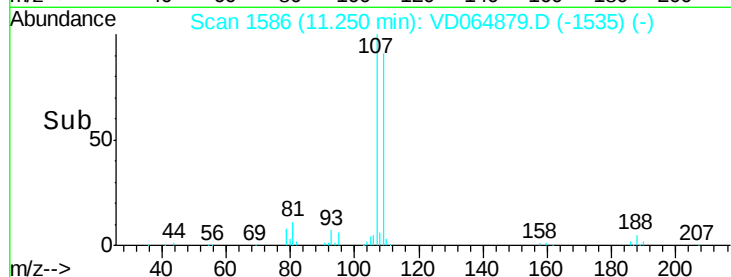
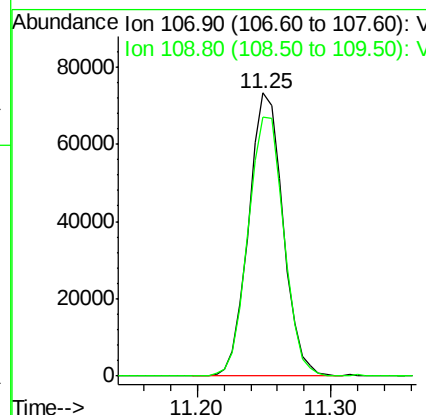
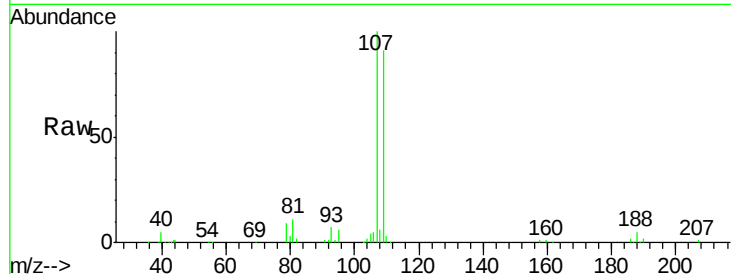
#61
1,2-Dibromoethane
Concen: 46.931 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.6	113.4

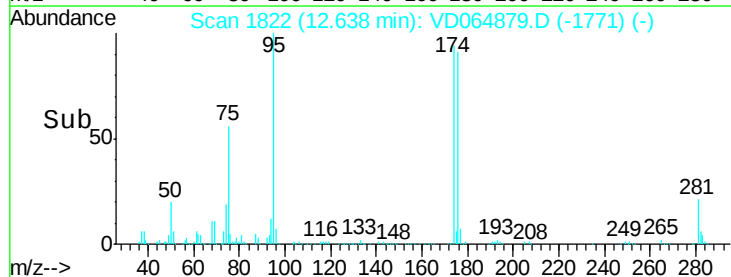
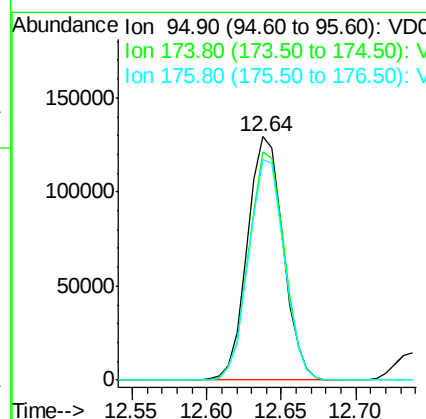
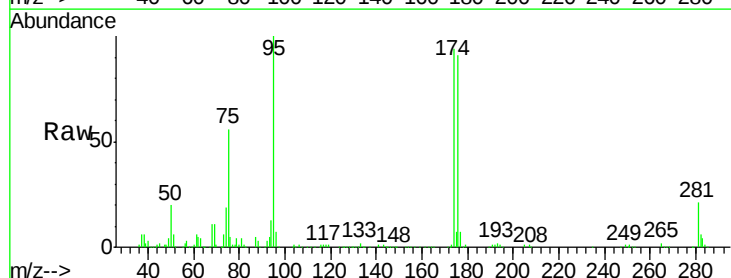
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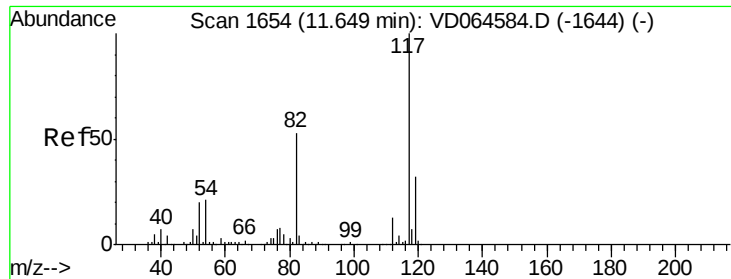
MMDadoda
1/21/2020 9:23:18 AM



#62
4-Bromofluorobenzene
Concen: 48.484 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	193.2
176	90.8	0.0	184.2





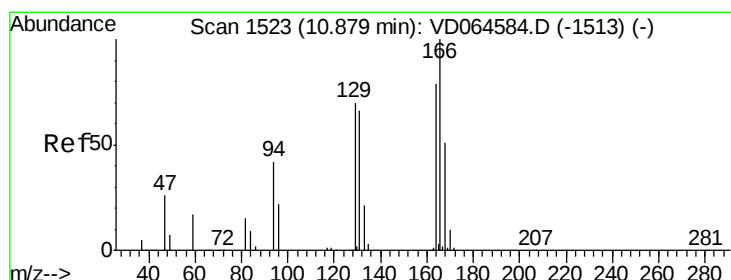
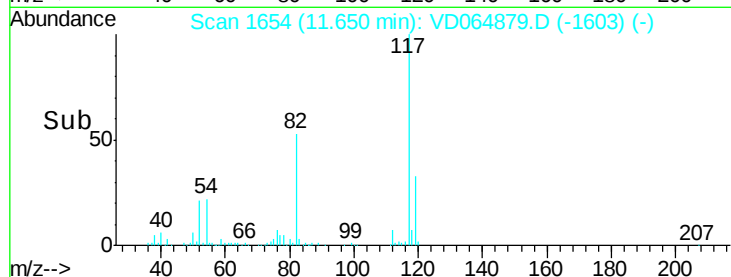
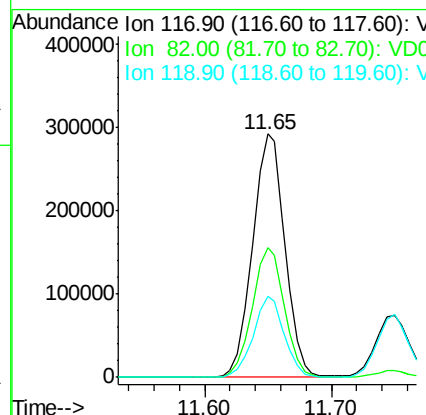
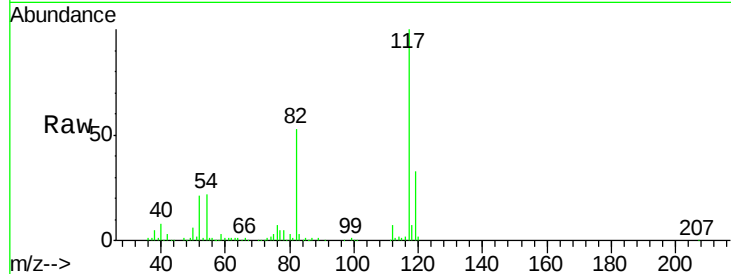
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.4
119	33.1	26.0	39.0

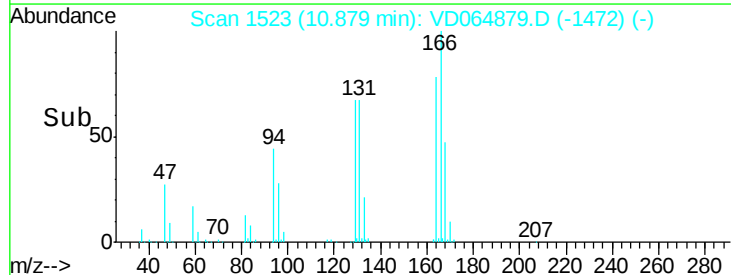
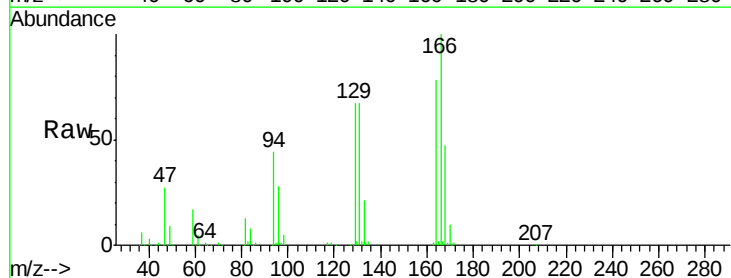
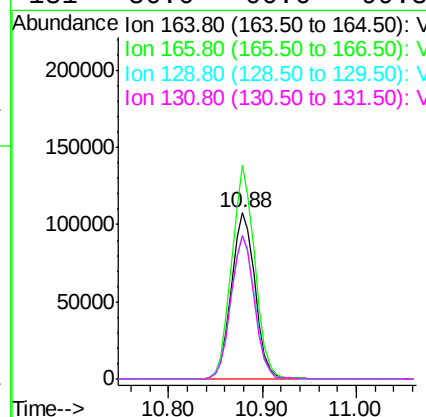
Manual Integrations
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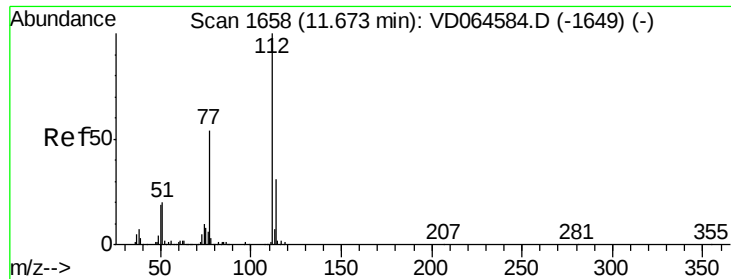
MMDadoda
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#64
Tetrachloroethene
Concen: 47.306 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.3	151.9
129	86.3	70.5	105.7
131	86.0	66.6	99.8





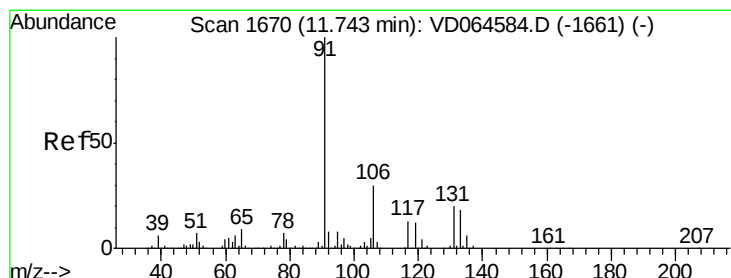
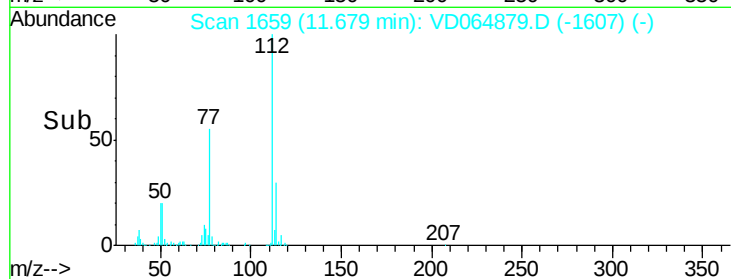
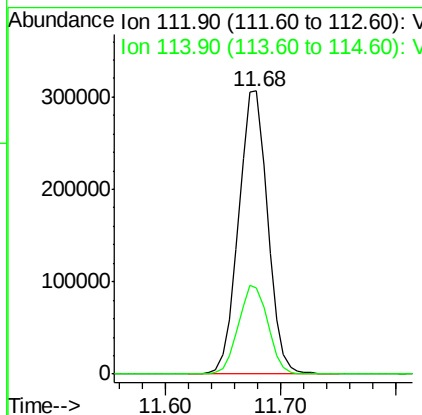
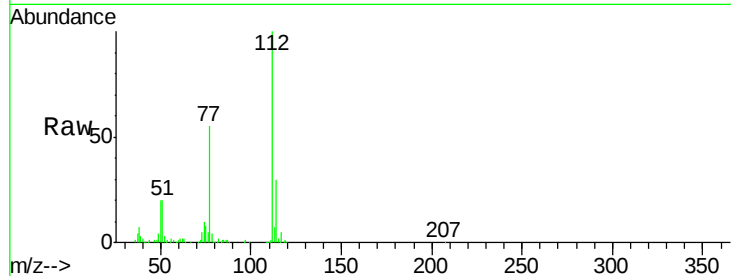
#65
Chlorobenzene
Concen: 49.896 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.4	24.8	37.2

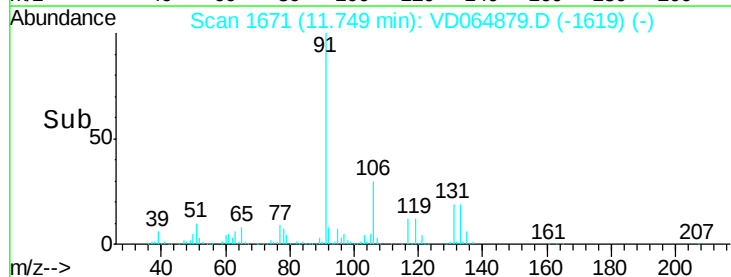
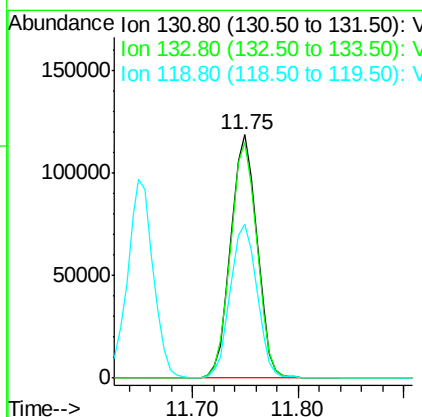
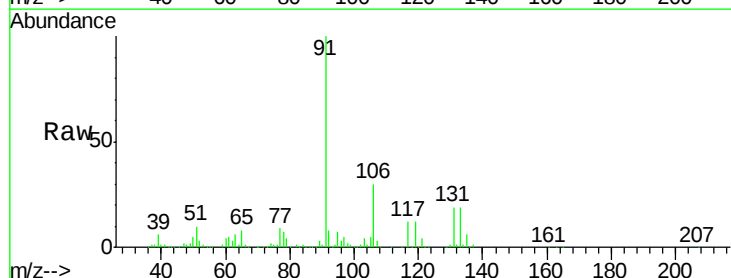
Manual Integrations
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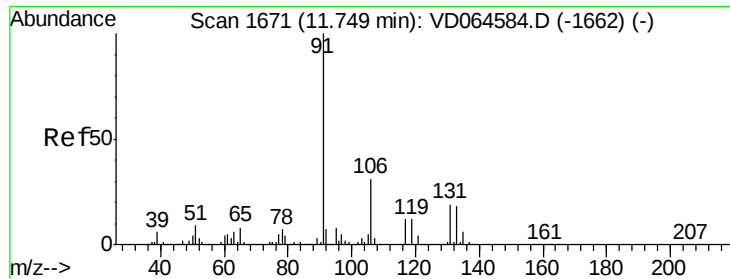
MMDadoda
1/21/2020 9:23:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.425 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	48.3	144.8
119	64.5	32.1	96.3





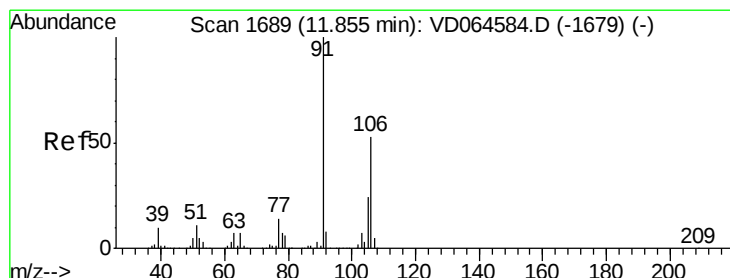
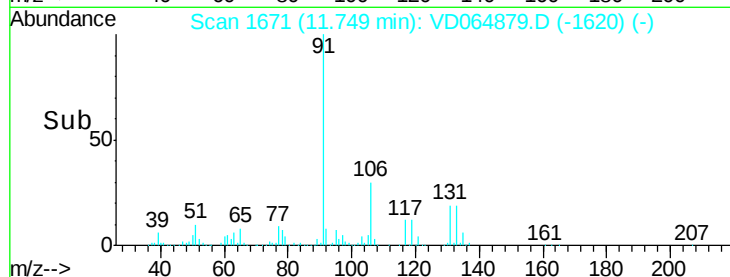
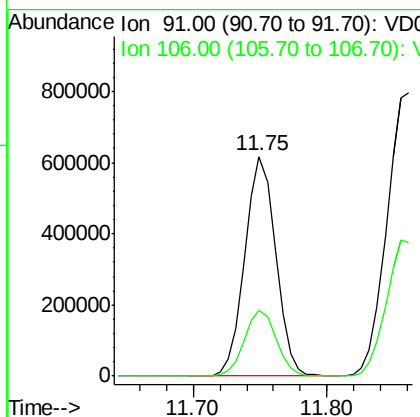
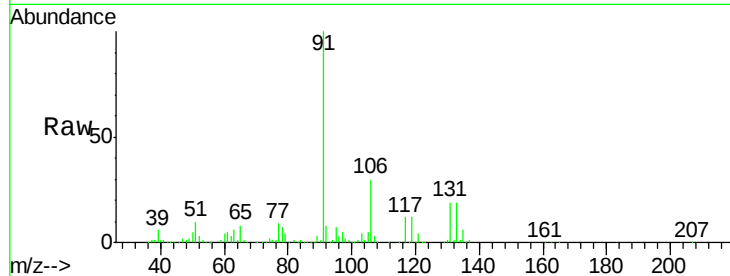
#67
Ethyl Benzene
Concen: 50.586 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 987197
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8

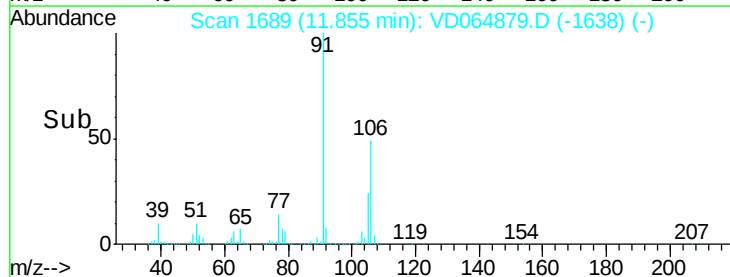
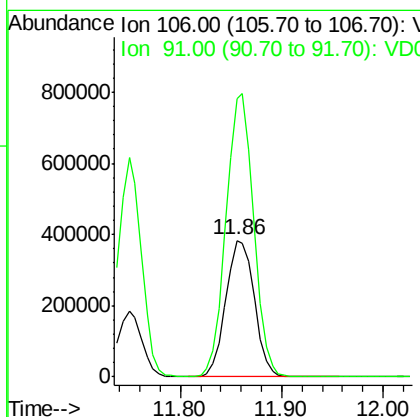
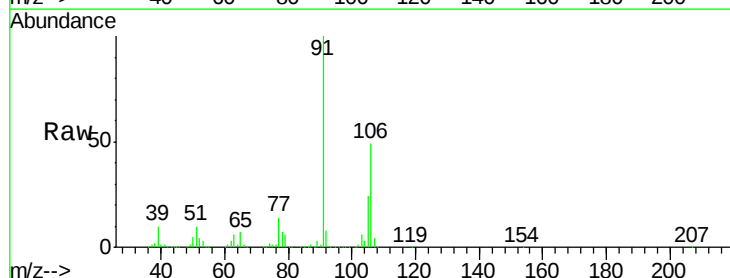
Manual Integrations
APPROVED

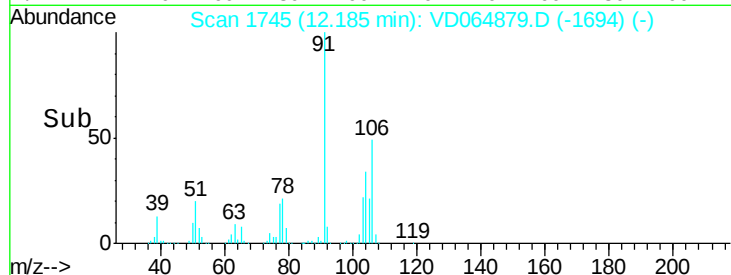
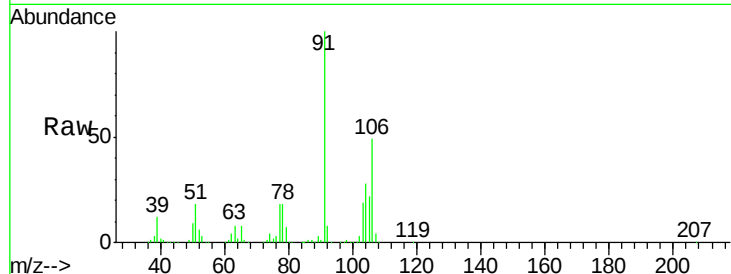
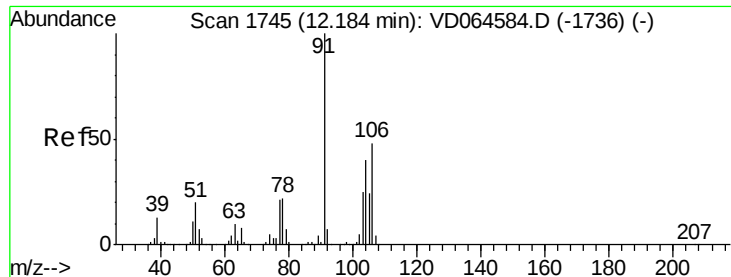
MMDadoda
1/21/2020 9:23:18 AM



#68
m/p-Xylenes
Concen: 99.296 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion: 106 Resp: 747948
Ion Ratio Lower Upper
106 100
91 200.7 156.3 234.5





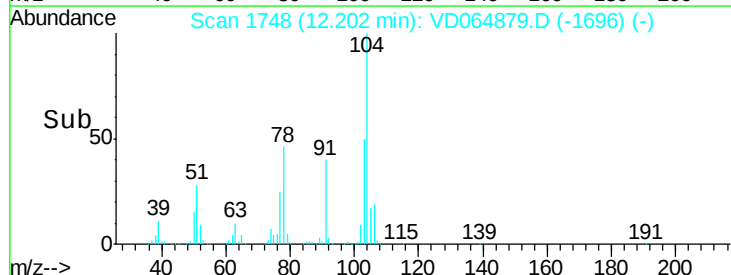
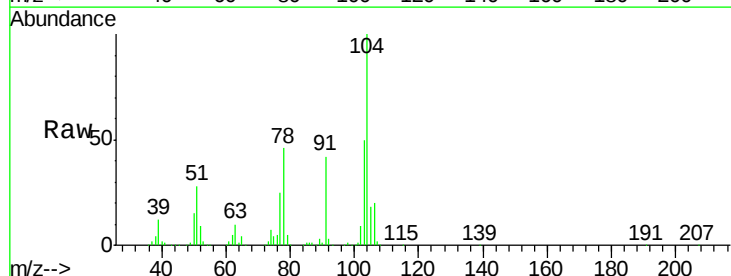
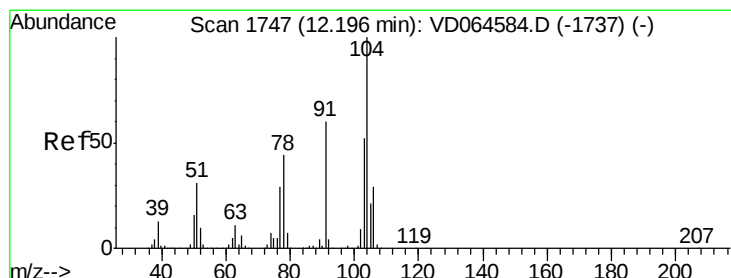
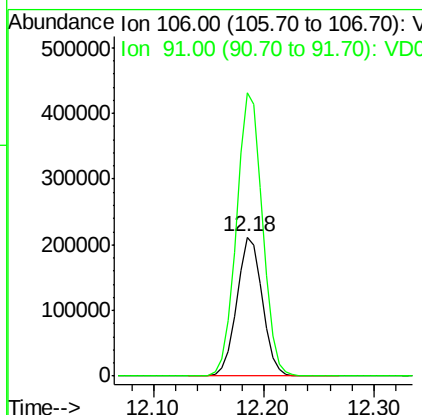
#69
o-Xylene
Concen: 50.576 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tot Ion:106 Resp: 344107
Ion Ratio Lower Upper
106 100
91 207.5 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

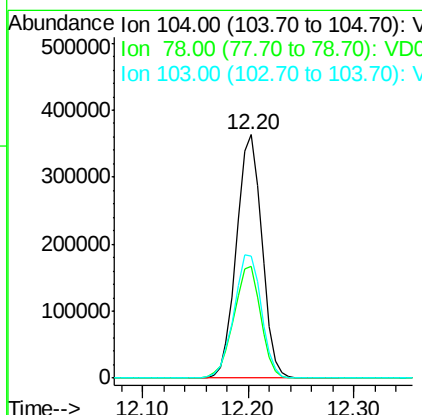
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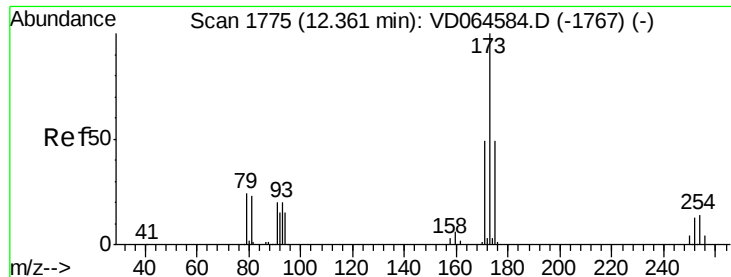
MMDadoda
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#70
Styrene
Concen: 50.616 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion:104 Resp: 604487
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.2
103 54.9 44.6 67.0





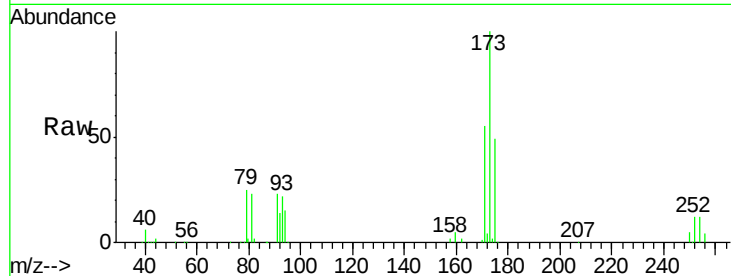
#71
Bromoform
Concen: 46.962 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.8
254	0.0	0.1	0.1#

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MMDadoda
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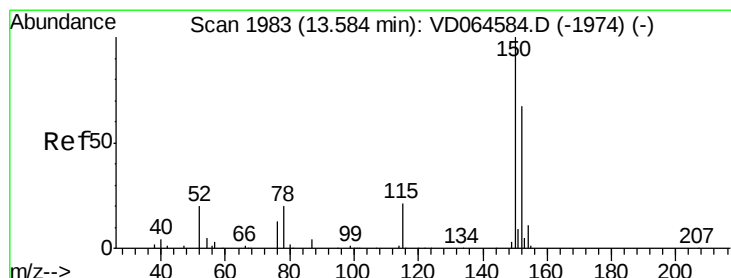
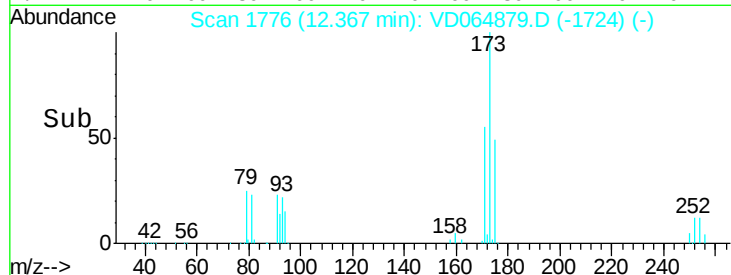
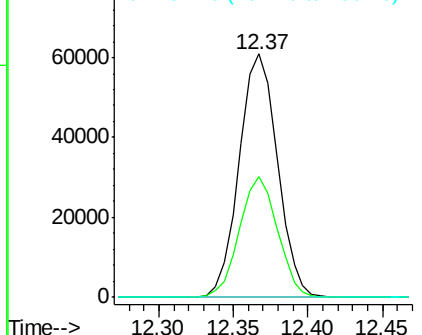


Abundance

Ion 172.70 (172.40 to 173.40): V

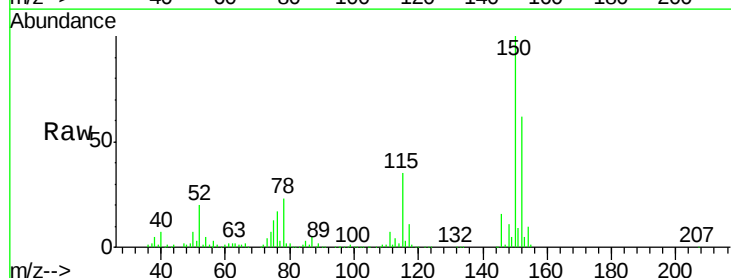
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.4
150	174.1	0.0	351.4

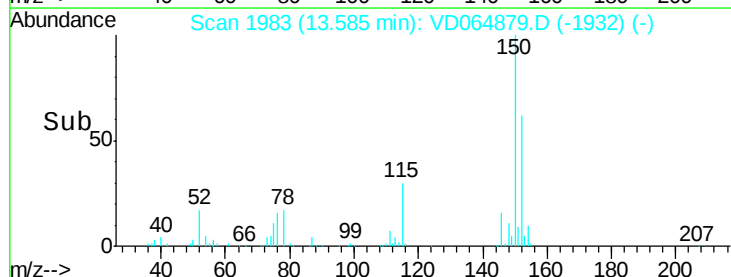
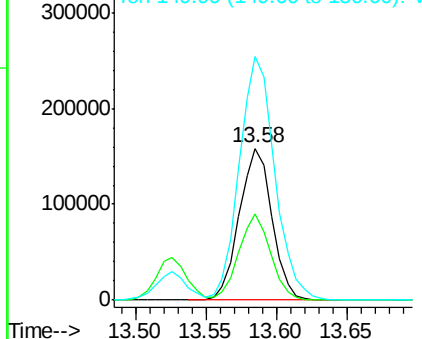


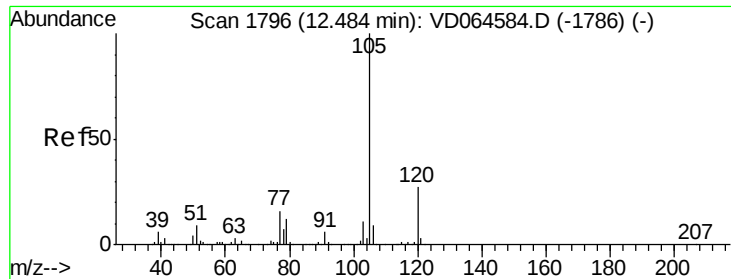
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





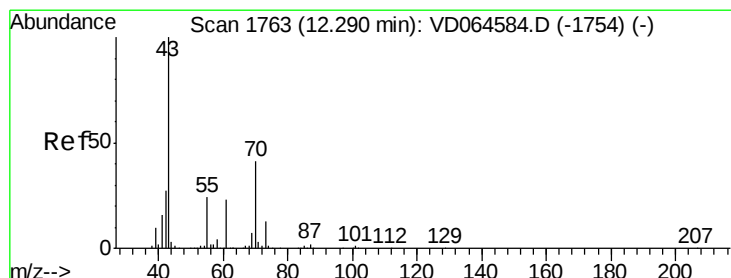
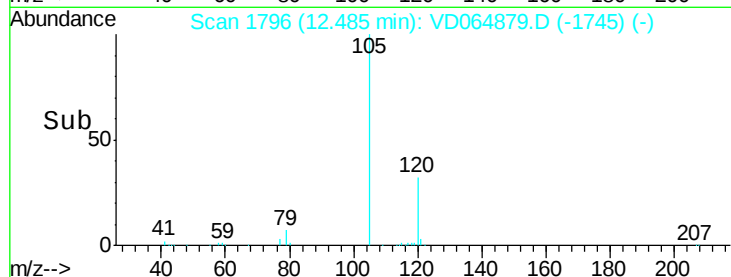
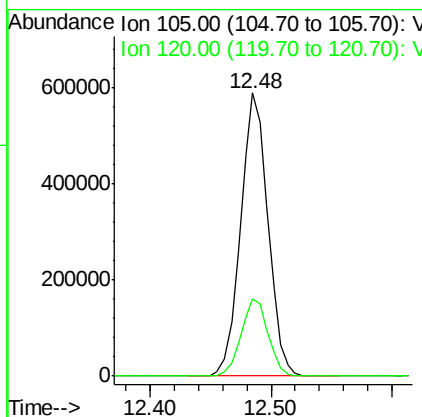
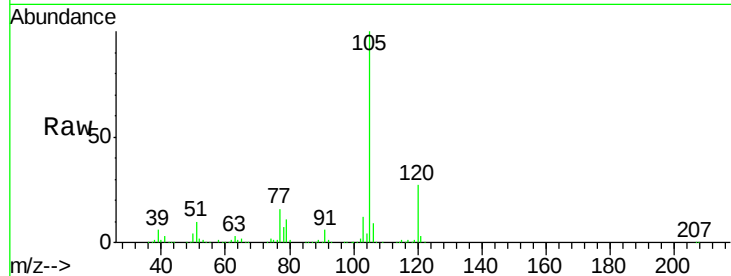
#73
Isopropylbenzene
Concen: 50.575 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	928336		
120	27.1		13.5	40.5

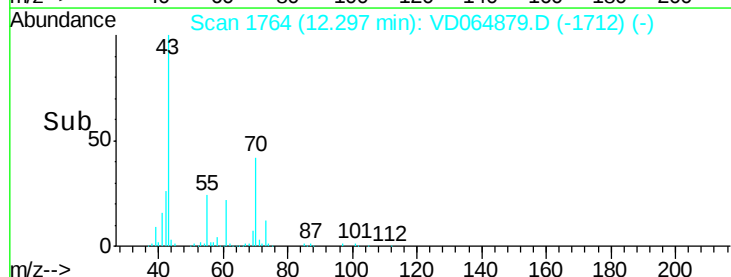
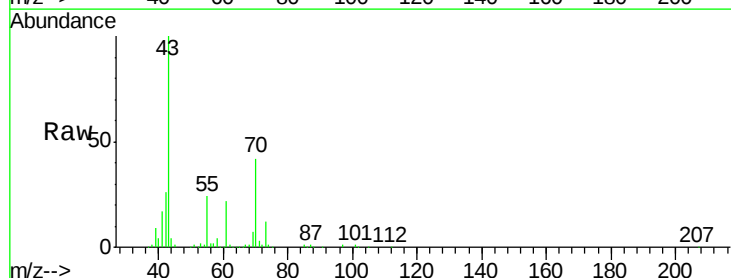
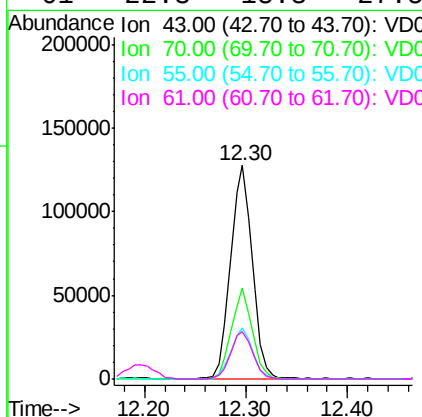
Manual Integrations
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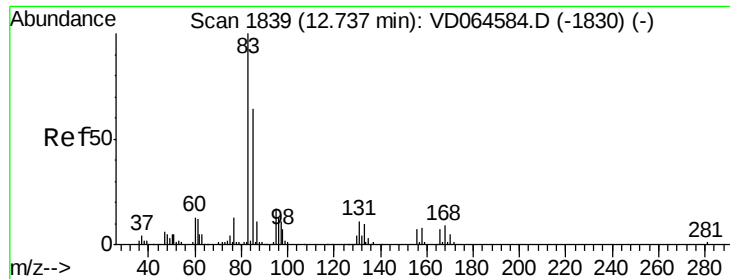
MMDadoda
1/21/2020 9:23:18 AM



#74
N-ethyl acetate
Concen: 48.713 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	191138		
70	40.5		33.4	50.0
55	24.1		19.4	29.0
61	22.3		18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.339 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 139386

Ion Ratio Lower Upper

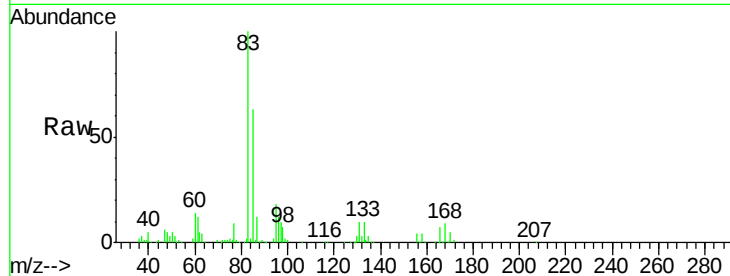
83 100

131 11.2 5.8 17.4

85 63.5 32.3 96.9

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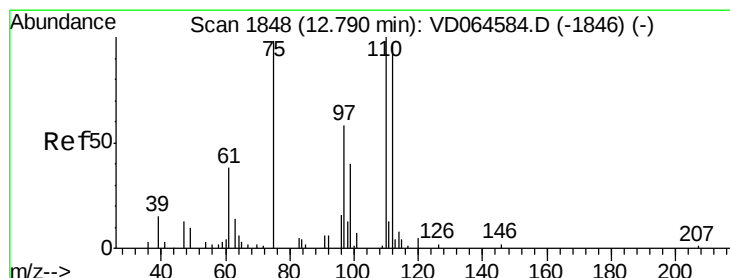
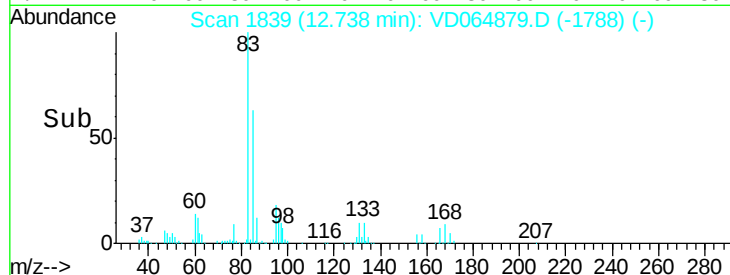
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

Time-->

12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 45.930 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064879.D

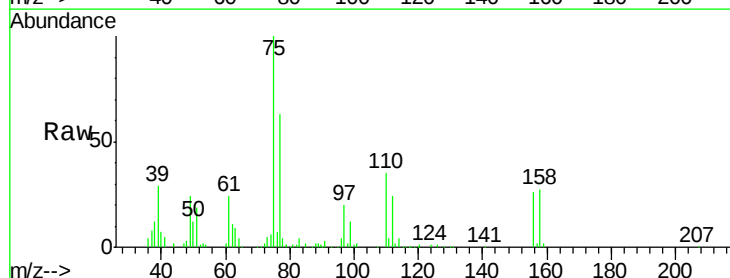
Acq: 20 Jan 2020 09:13

Tgt Ion: 75 Resp: 93159

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

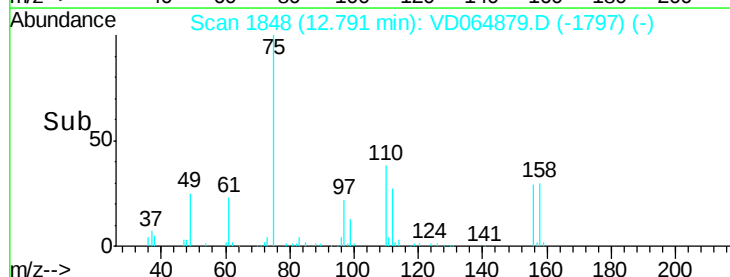


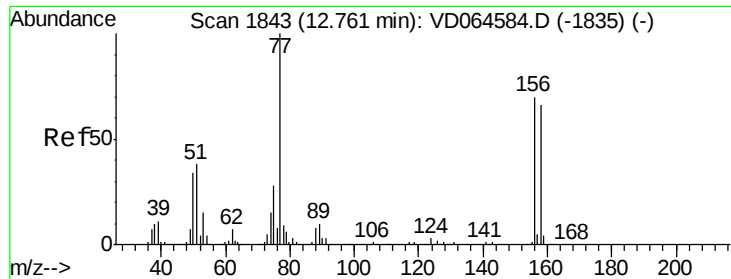
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

Time-->

12.80





#77

Bromobenzene

Concen: 49.201 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

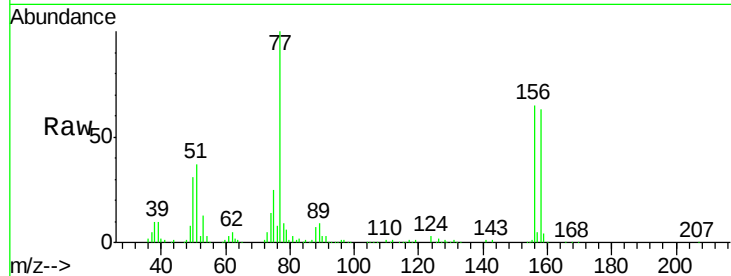
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.5	80.9	242.7
158	96.4	48.0	144.2

Manual Integrations
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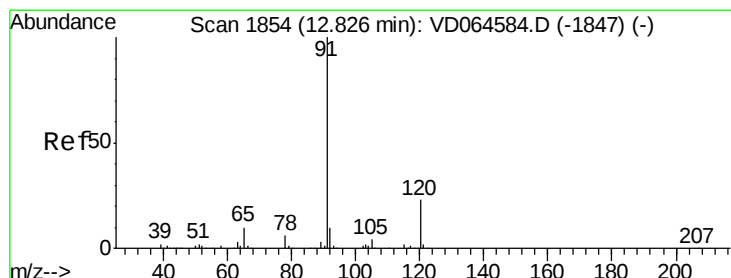
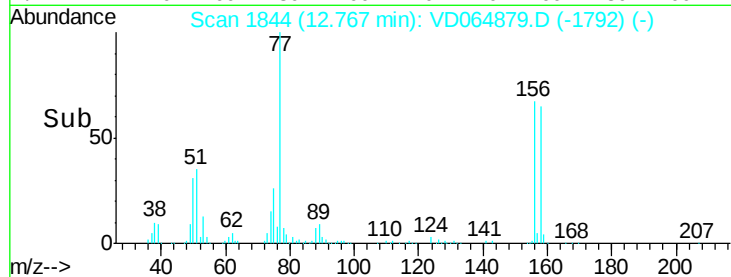
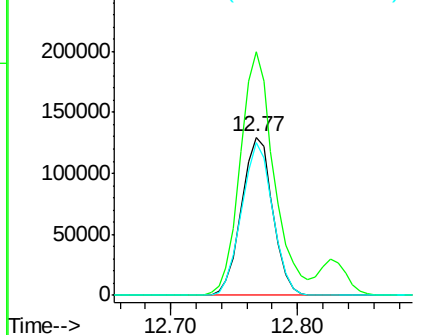
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.052 ug/l

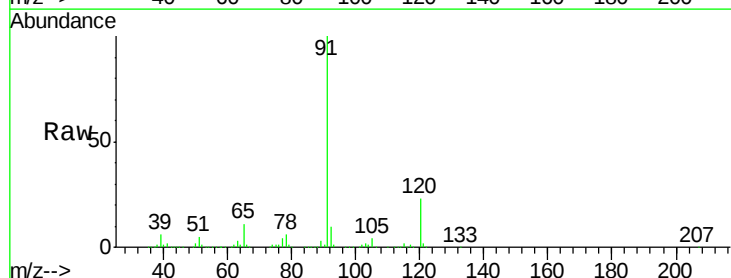
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064879.D

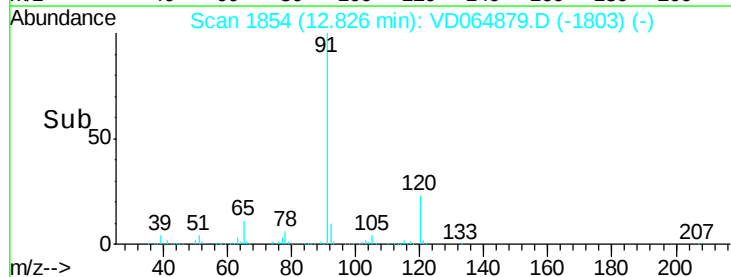
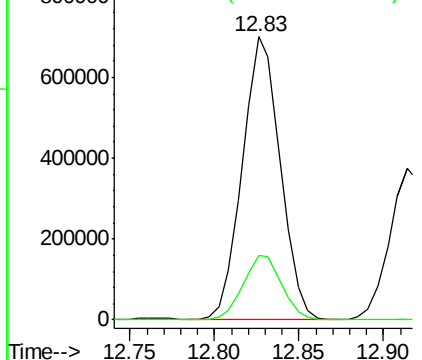
Acq: 20 Jan 2020 09:13

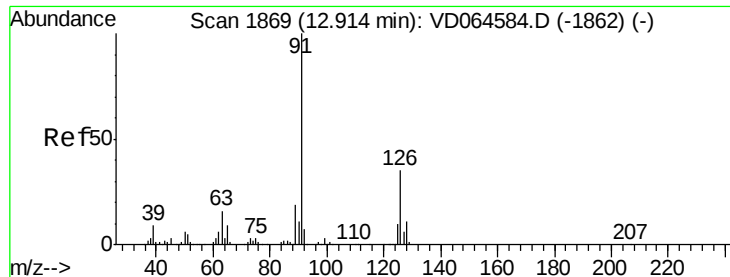
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





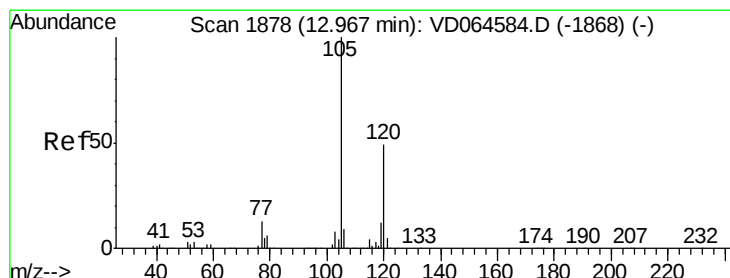
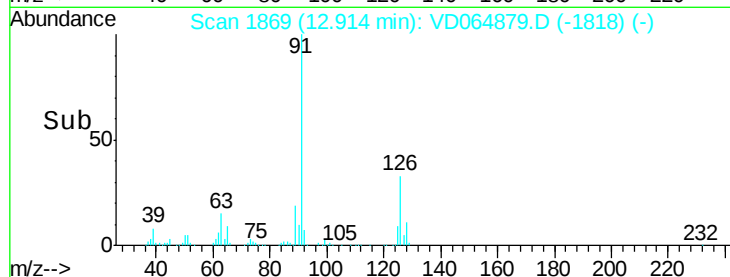
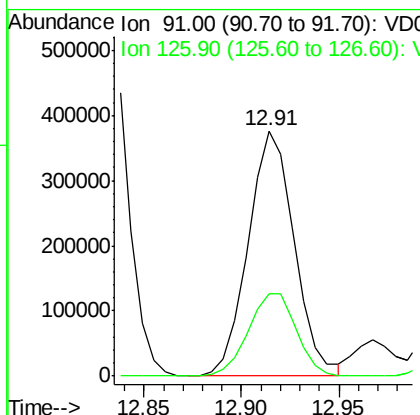
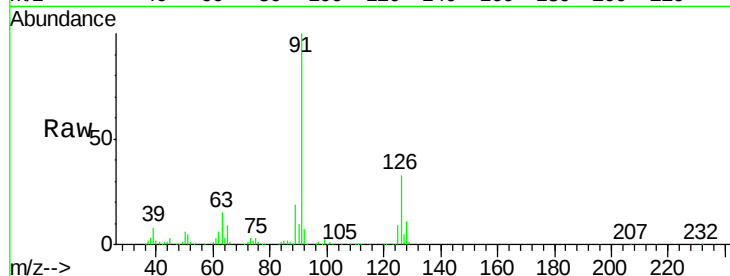
#79
 2-Chlorotoluene
 Concen: 52.147 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 613440
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.8 53.5

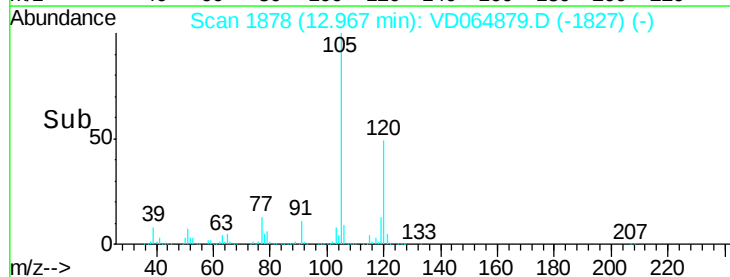
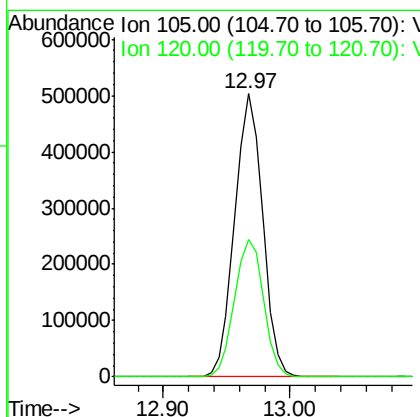
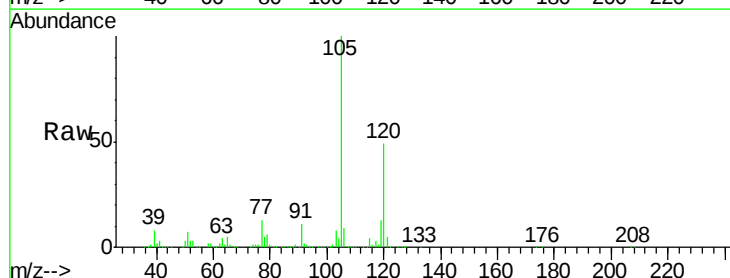
Manual Integrations
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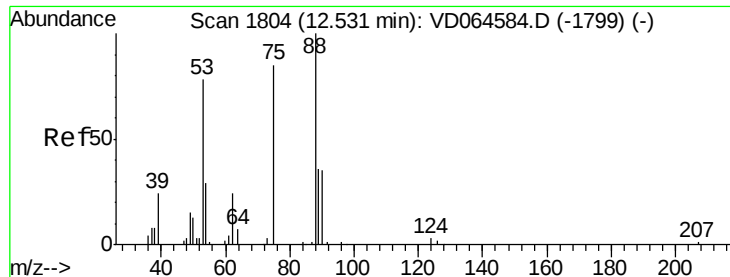
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.023 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion: 105 Resp: 769345
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.085 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Instrument :

MSVOA_D

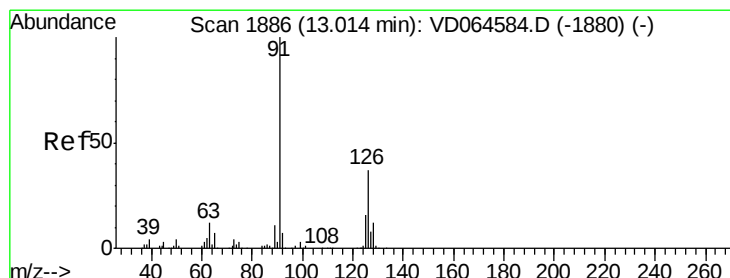
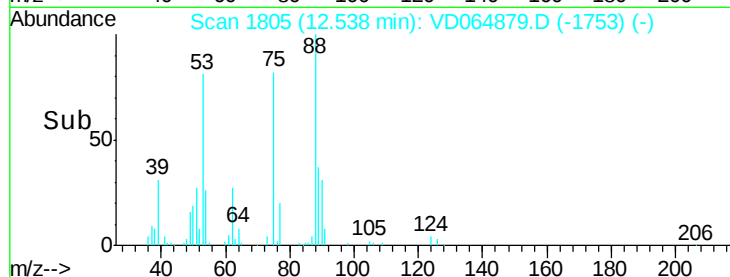
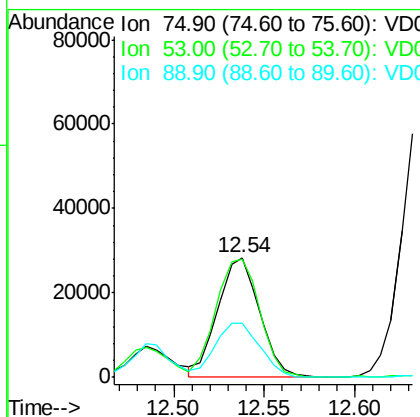
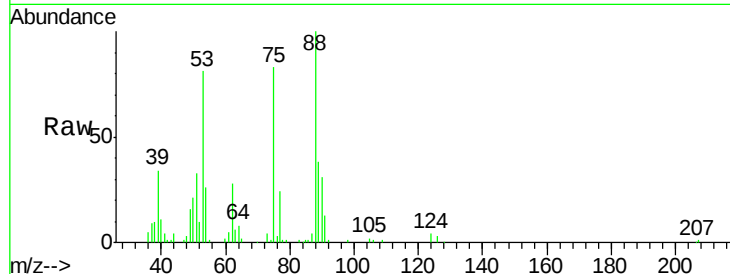
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	45663
Ion	Ratio	Lower	Upper
75	100		
53	103.8	78.8	118.2
89	48.5	38.3	57.5

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#82

4-Chlorotoluene

Concen: 51.133 ug/l

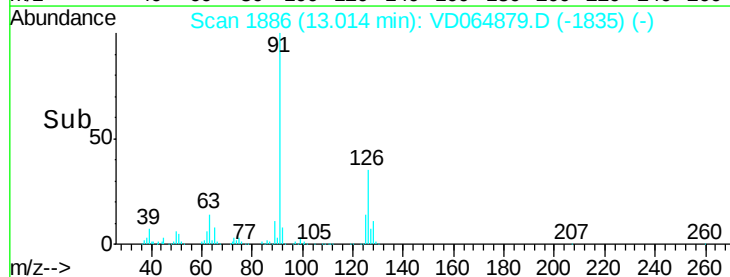
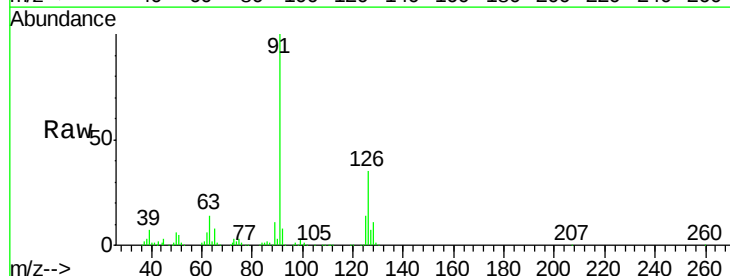
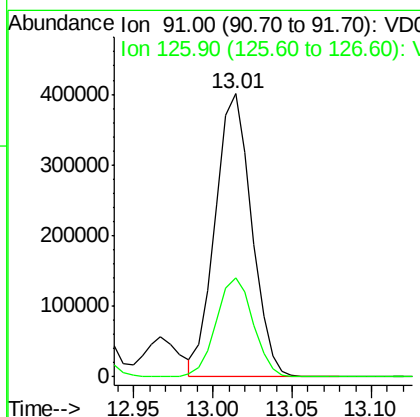
RT: 13.01 min Scan# 1886

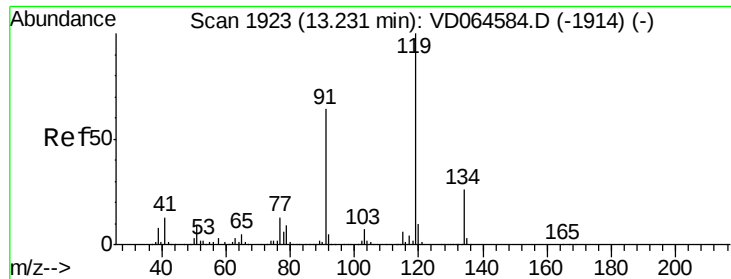
Delta R.T. 0.00 min

Lab File: VD064879.D

Acq: 20 Jan 2020 09:13

Tgt Ion:	91	Resp:	640125
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.5





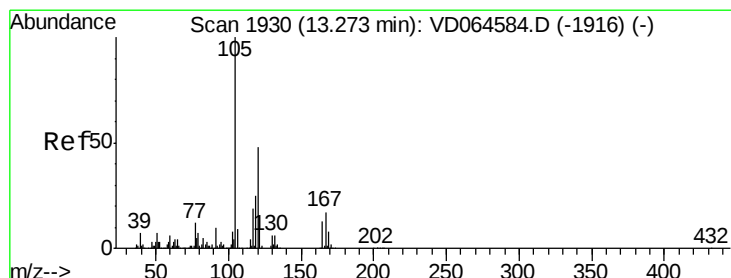
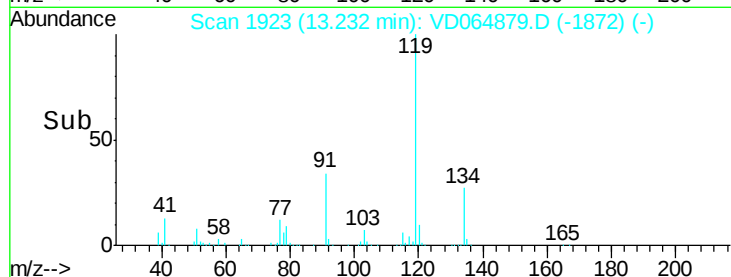
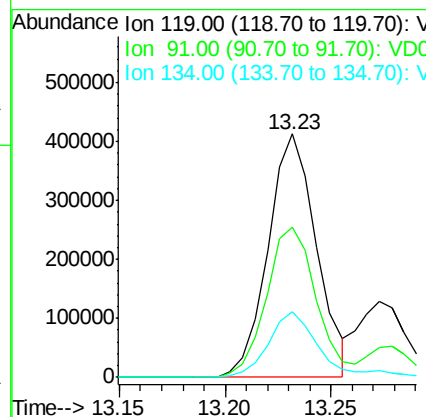
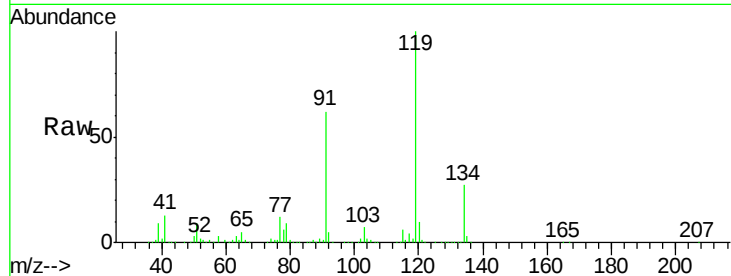
#83
tert-Butylbenzene
Concen: 50.326 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.8	92.4
134	28.3	12.8	38.3

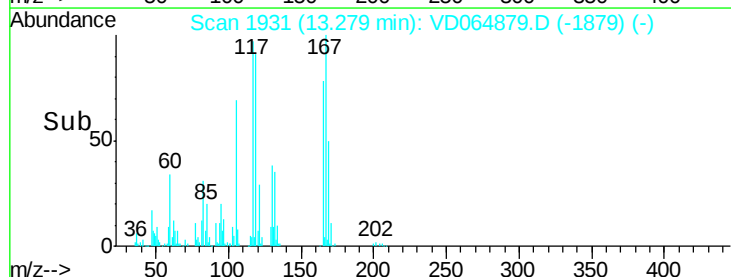
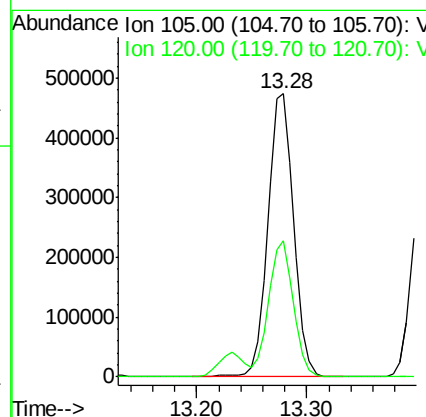
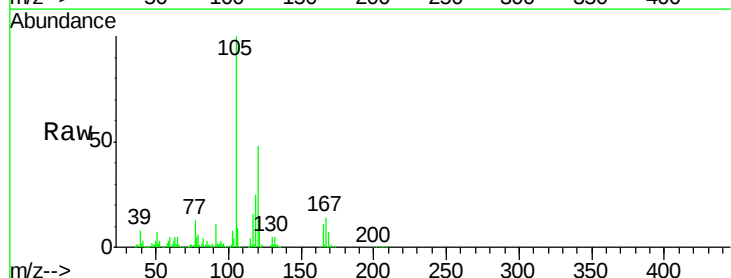
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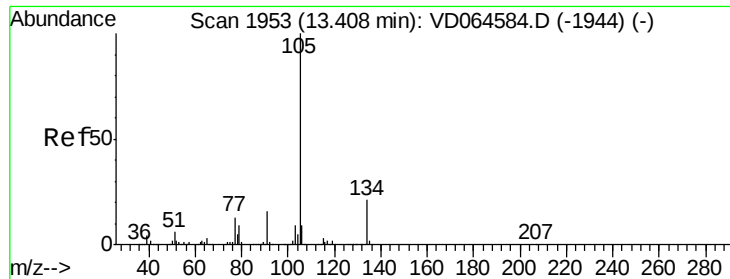
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#84
1,2,4-Trimethylbenzene
Concen: 51.494 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.8	71.2





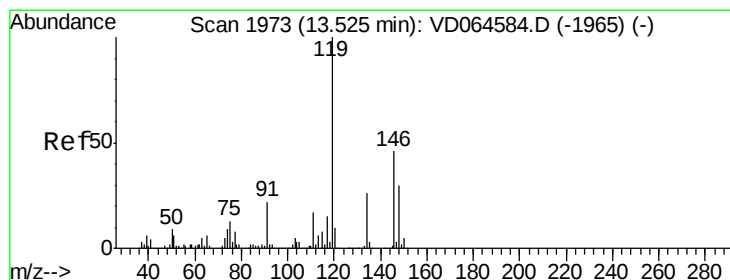
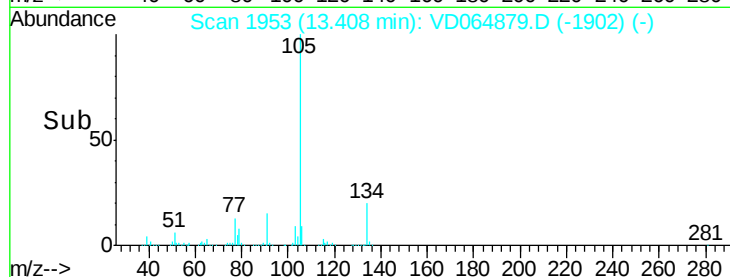
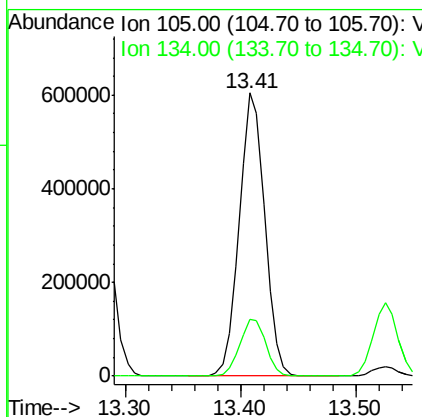
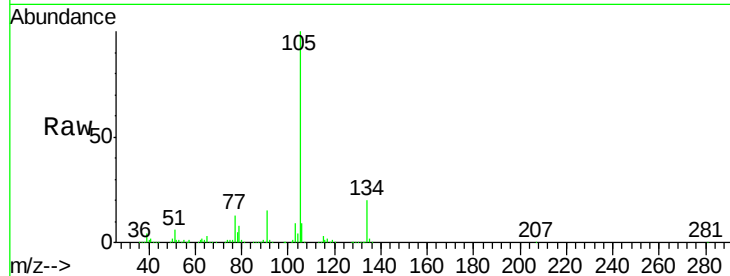
#85
 sec-Butylbenzene
 Concen: 51.510 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.6	31.8

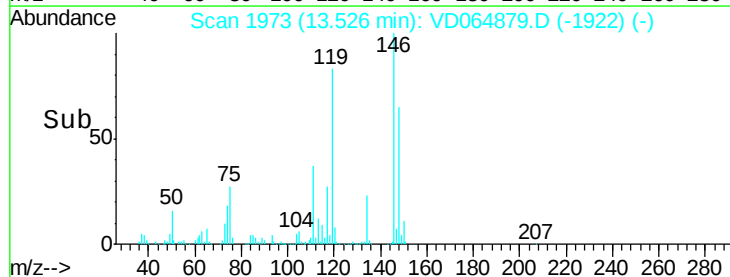
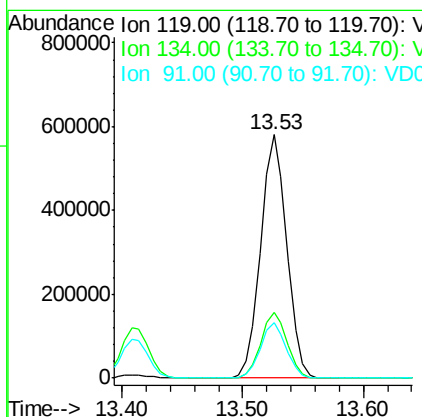
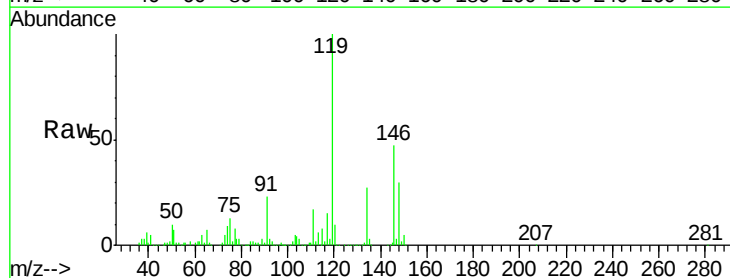
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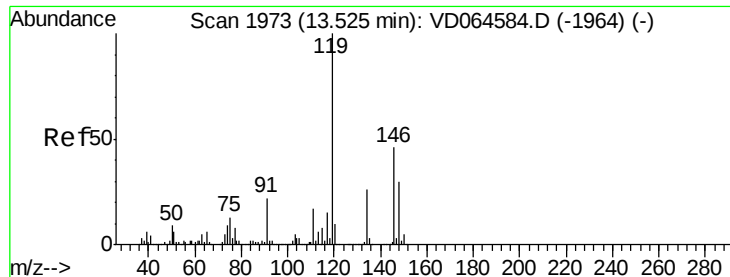
MMDadoda
 1/21/2020 9:23:18 AM



#86
 p-Isopropyltoluene
 Concen: 50.492 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	22.5	11.2	33.6





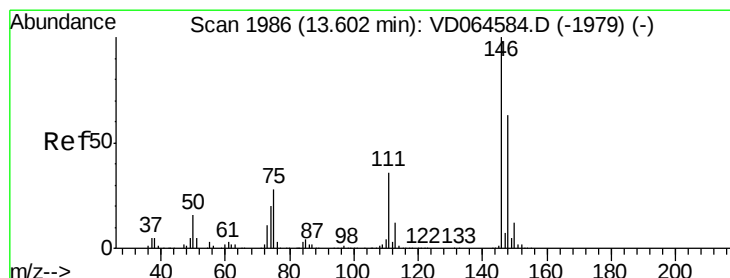
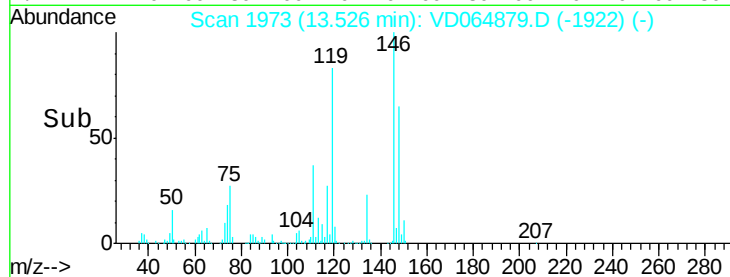
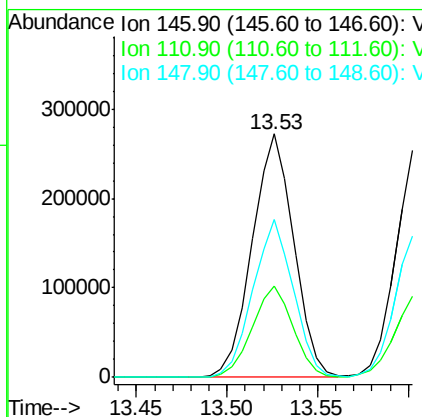
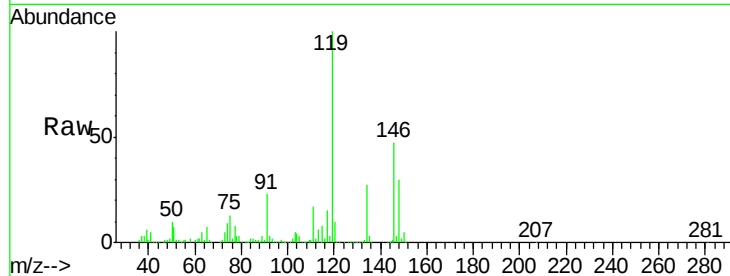
#87
 1,3-Dichlorobenzene
 Concen: 50.300 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	63.2	32.5	97.5

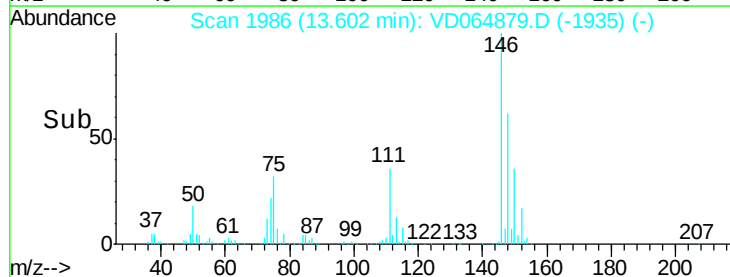
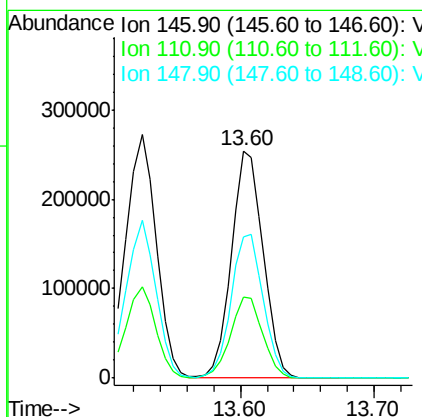
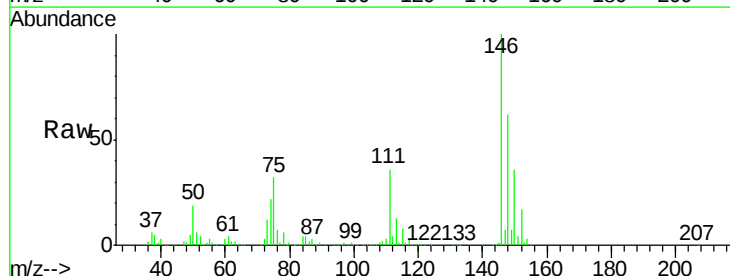
Manual Integrations
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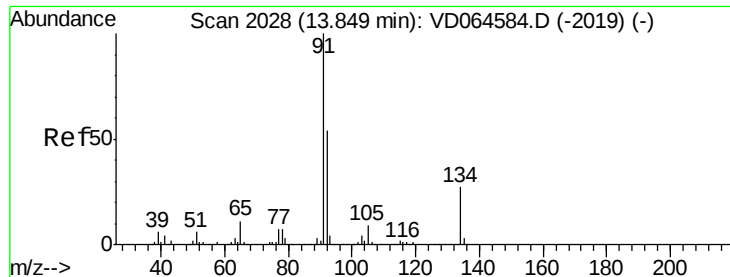
MMDadoda
 1/21/2020 9:23:18 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.701 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.1	32.3	96.9





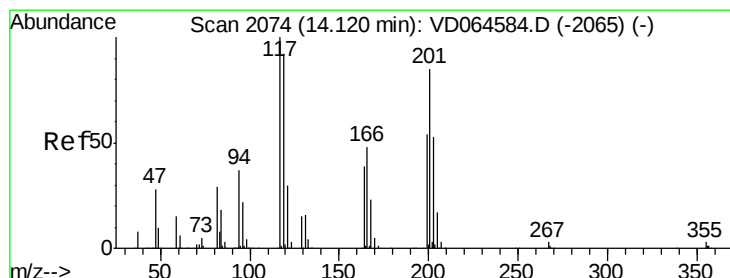
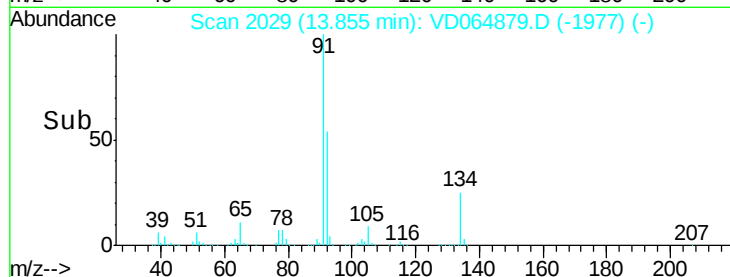
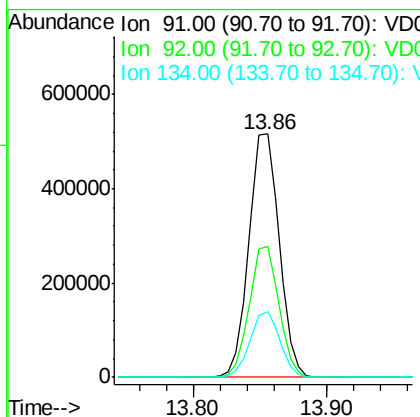
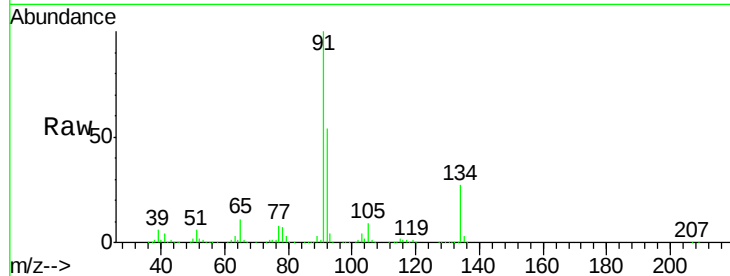
#89
n-Butylbenzene
Concen: 52.234 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	26.6	14.0	41.9

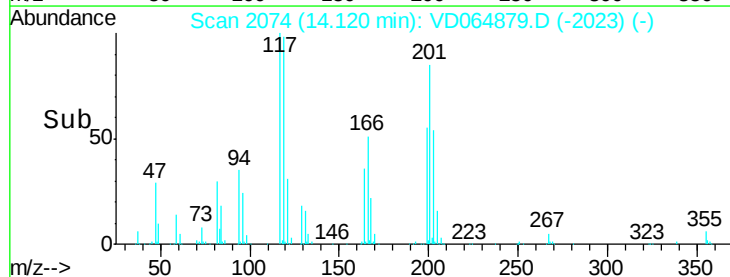
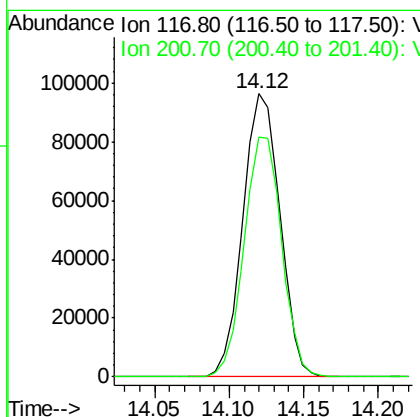
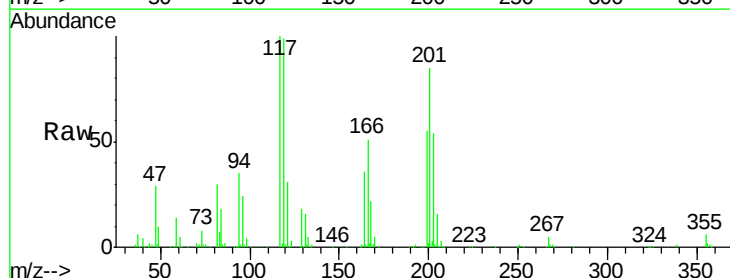
Manual Integrations
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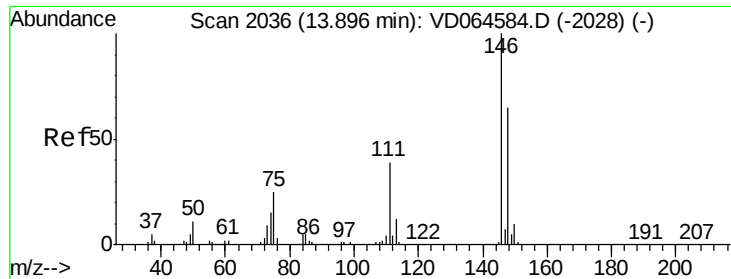
MMDadoda
1/21/2020 9:23:18 AM



#90
Hexachloroethane
Concen: 50.558 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	44.0	131.8





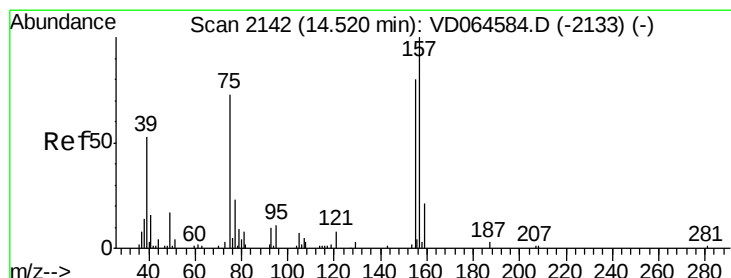
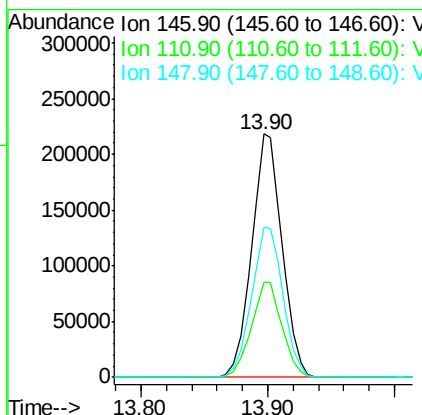
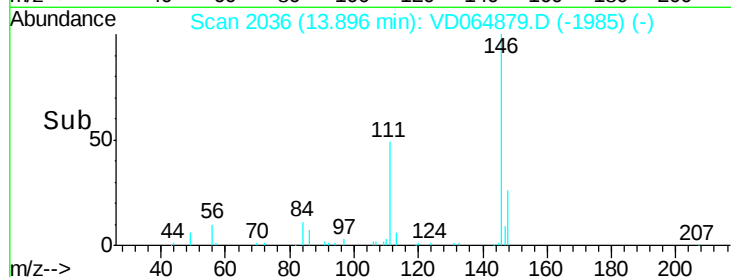
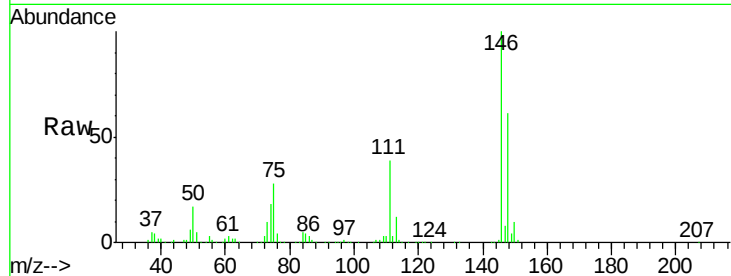
#91
 1,2-Dichlorobenzene
 Concen: 49.525 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	63.7	31.9	95.5

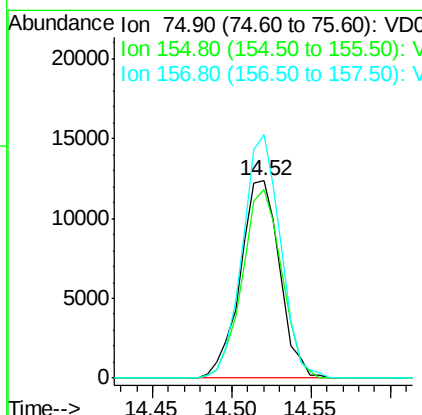
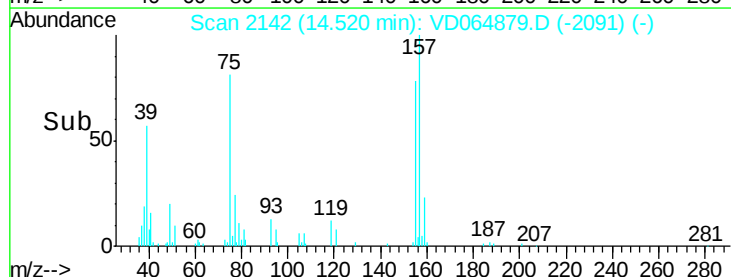
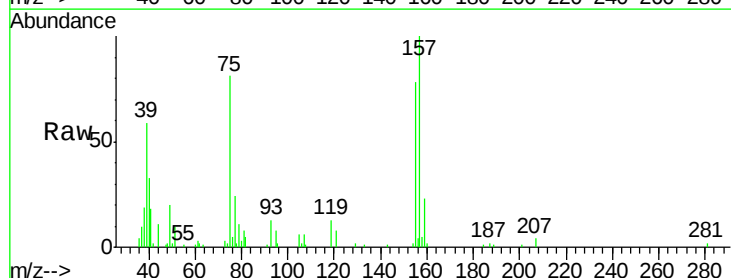
Manual Integrations
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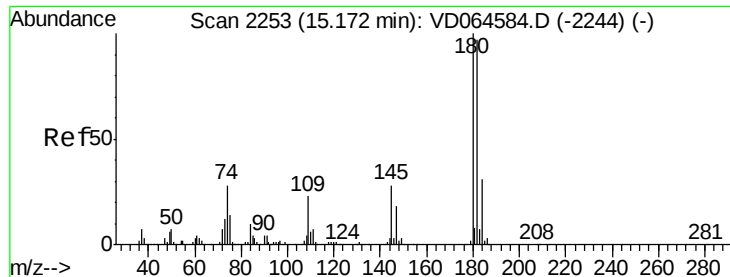
MMDadoda
 1/21/2020 9:23:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.738 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	48.0	144.0
157	118.4	64.1	192.3





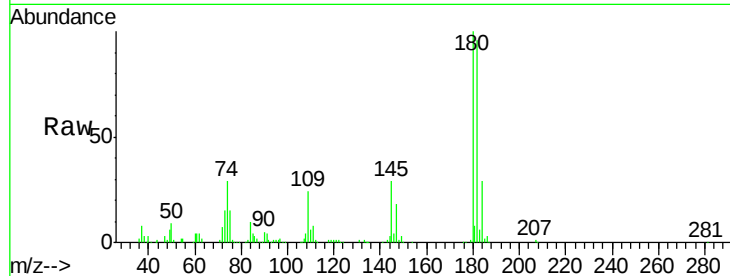
#93
 1,2,4-Trichlorobenzene
 Concen: 47.055 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	254020		
182	95.4	48.0	144.2	
145	28.9	13.8	41.4	

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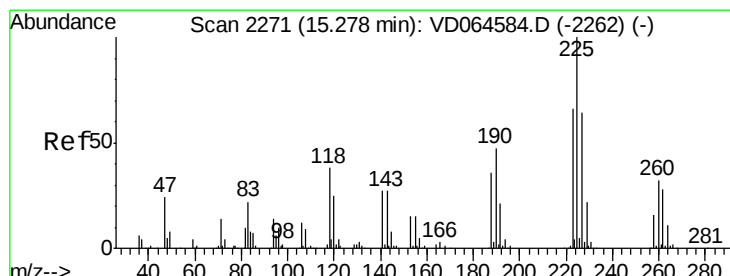
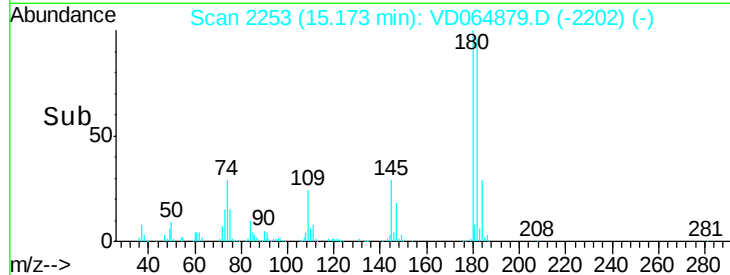
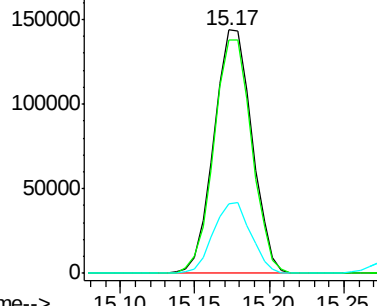


Abundance

Ion 179.80 (179.50 to 180.50): V

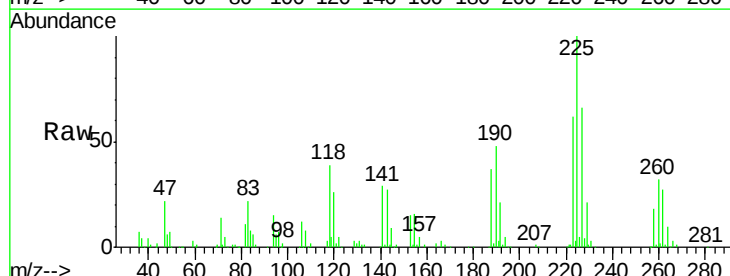
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.461 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064879.D
 Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161227		
223	63.7	31.1	93.2	
227	64.5	30.9	92.7	

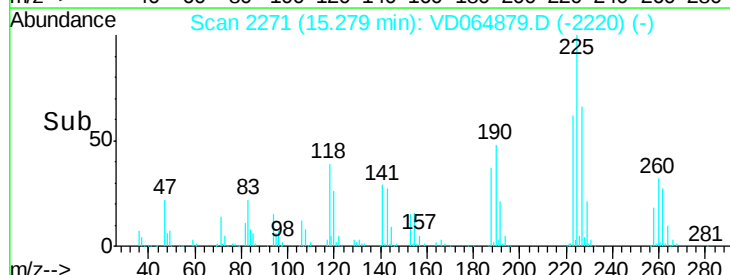
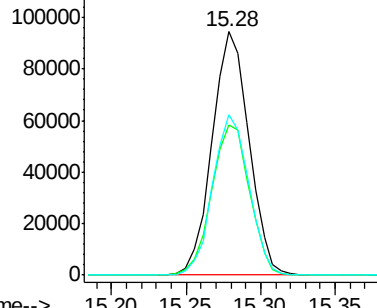


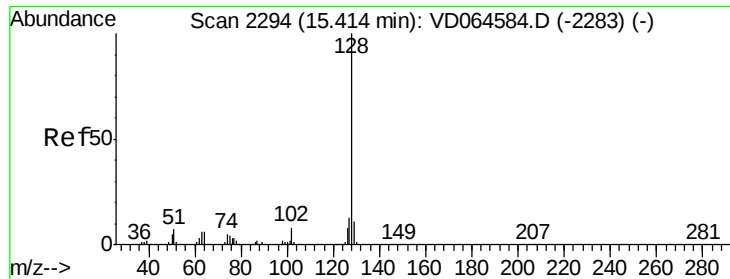
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





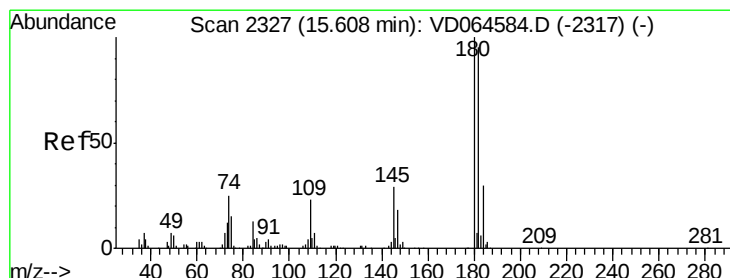
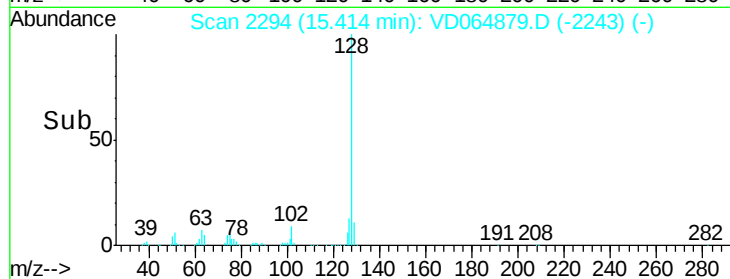
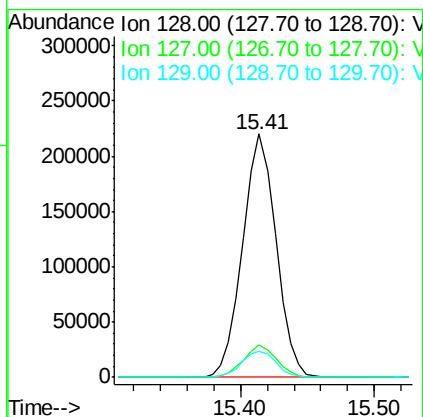
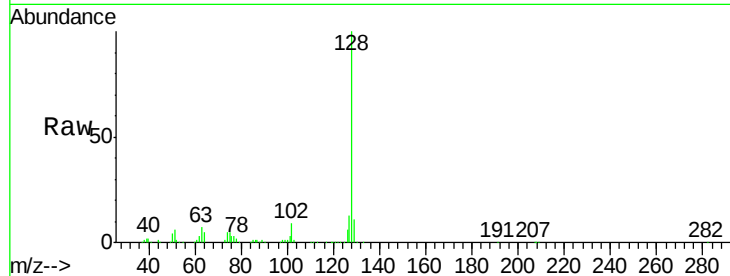
#95
Naphthalene
Concen: 44.769 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	382334		
127	13.2		10.3	15.5
129	11.1		8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 46.656 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064879.D
Acq: 20 Jan 2020 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	215018		
182	95.6		47.9	143.7
145	31.0		14.9	44.7

