

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082021\
 Data File : VD070210.D
 Acq On : 20 Aug 2021 18:42
 Operator : VA/SY
 Sample : M3463-15
 Misc : 6.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 23 03:55:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

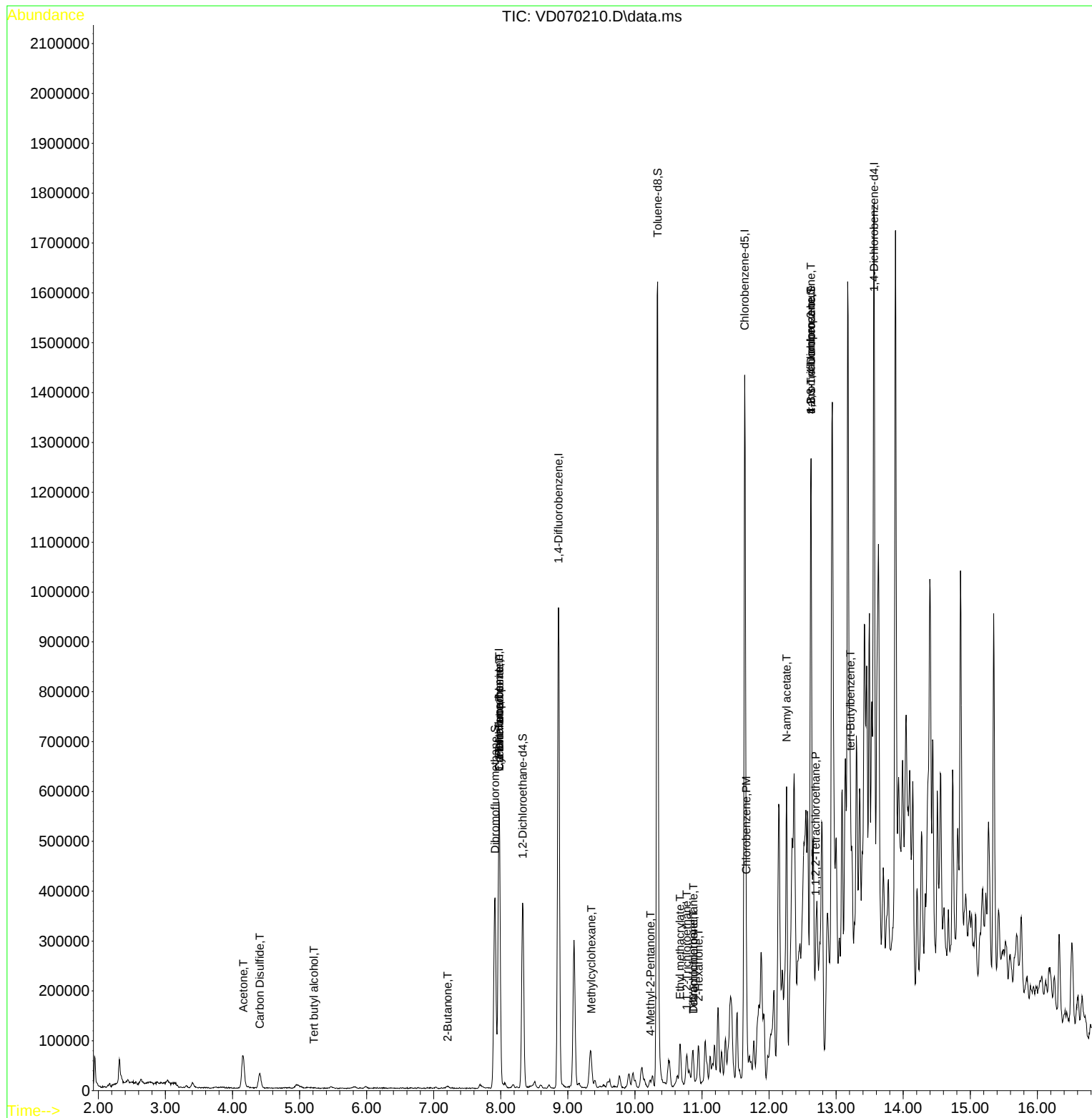
Internal Standards						
1) Pentafluorobenzene	7.973	168	399344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	833127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	807374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	265178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	293465	62.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.960%	
35) Dibromofluoromethane	7.914	113	287447	53.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.800%	
50) Toluene-d8	10.338	98	1085995	51.874	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	12.626	95	356307	51.673	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.340%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	89	Below Cal	#	42
3) Chloromethane	2.203	50	1224	Below Cal	#	36
5) Bromomethane	2.779	94	2570	Below Cal		89
11) Tert butyl alcohol	5.214	59	322	1.240	ug/l #	71
16) Acetone	4.162	43	115678	133.693	ug/l	99
17) Carbon Disulfide	4.409	76	62838	3.663	ug/l	96
20) Methylene Chloride	4.961	84	5319	Below Cal	#	59
25) 2-Butanone	7.208	43	3098	2.620	ug/l	95
31) Cyclohexane	7.979	56	13222	1.422	ug/l #	21
36) 1,1-Dichloropropene	7.979	75	34390	3.837	ug/l #	50
38) Carbon Tetrachloride	7.979	117	43929	5.399	ug/l #	12
39) Methylcyclohexane	9.349	83	14715	1.410	ug/l #	36
51) 4-Methyl-2-Pentanone	10.232	43	3763	1.191	ug/l #	82
55) 1,1,2-Trichloroethane	10.773	97	19850	4.272	ug/l #	26
56) Ethyl methacrylate	10.673	69	9723	1.839	ug/l #	22
59) 2-Hexanone	10.949	43	28638	13.531	ug/l #	27
60) Dibromochloromethane	10.873	129	9045	1.699	ug/l #	10
64) Tetrachloroethene	10.873	164	9190	1.764	ug/l	97
65) Chlorobenzene	11.661	112	59207	3.510	ug/l	98
74) N-amyl acetate	12.261	43	113778	27.289	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.696	83	7779	2.016	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	172745	64.235	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	172745	166.730	ug/l #	19
83) tert-Butylbenzene	13.214	119	14285	1.068	ug/l	92

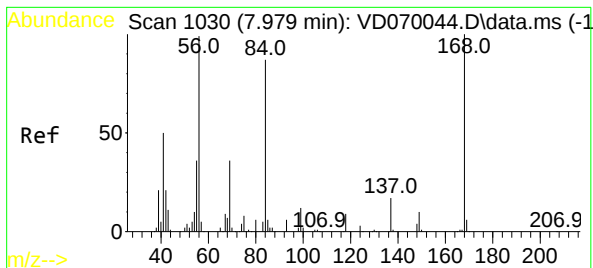
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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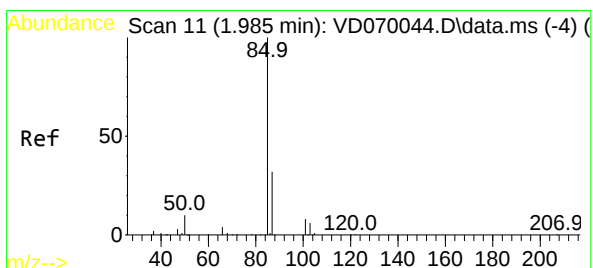
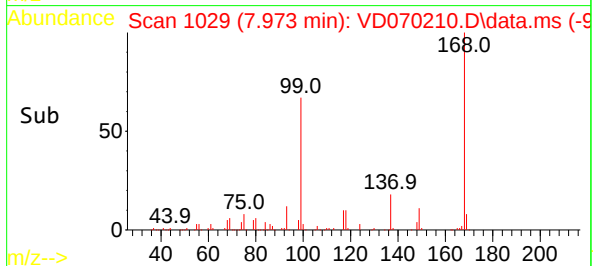
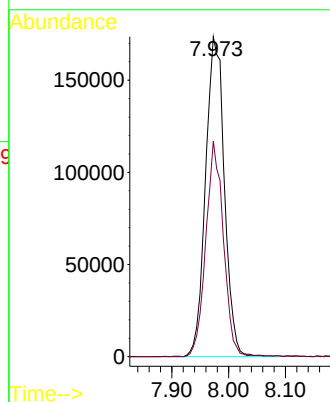
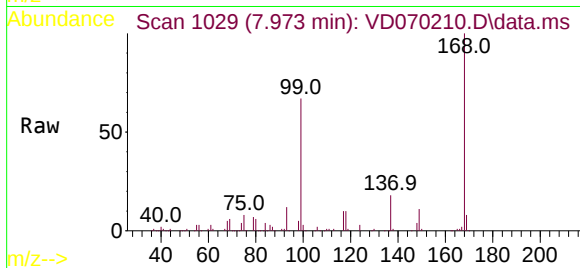


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.006 min
 Lab File: VD070210.D
 Acq: 20 Aug 2021 18:42

Instrument :
 MSVOA_D
 ClientSampleId :

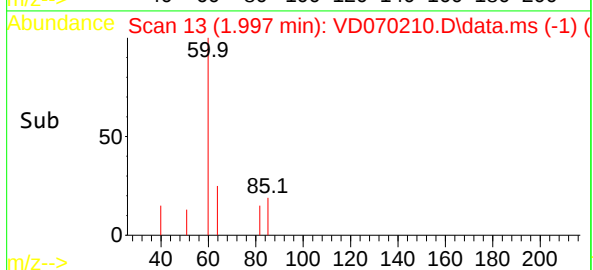
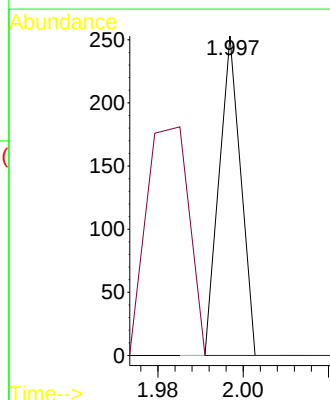
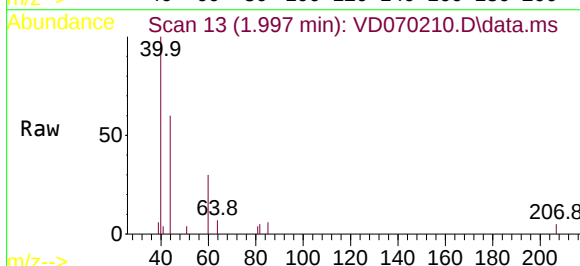
Tgt Ion:168 Resp: 399344
 Ion Ratio Lower Upper
 168 100
 99 67.2 50.3 75.5

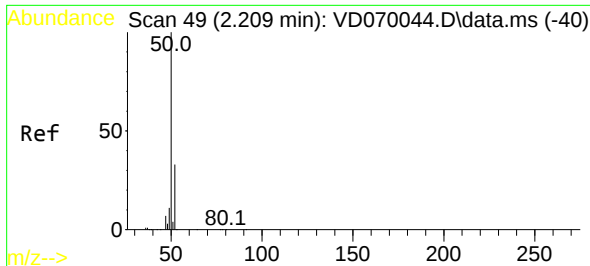


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.997 min Scan# 13
 Delta R.T. 0.012 min
 Lab File: VD070210.D
 Acq: 20 Aug 2021 18:42

Tgt Ion: 85 Resp: 89
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.2 48.6#

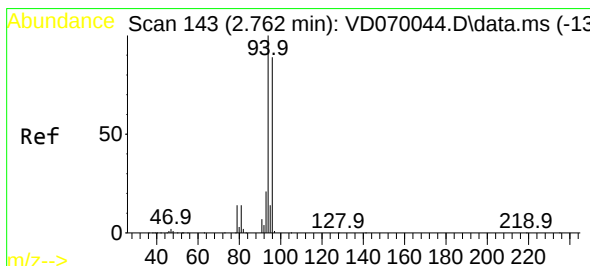
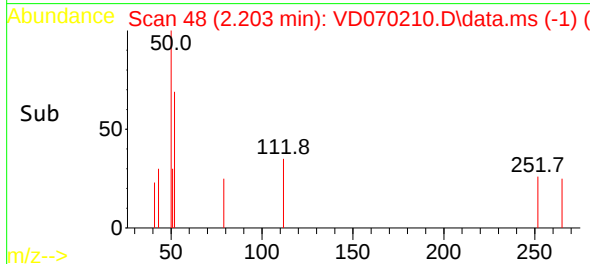
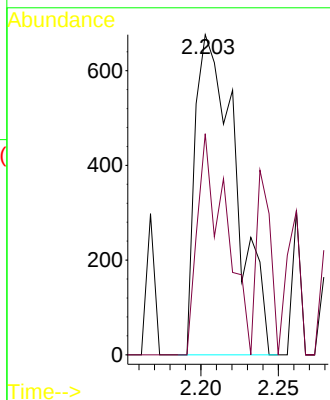
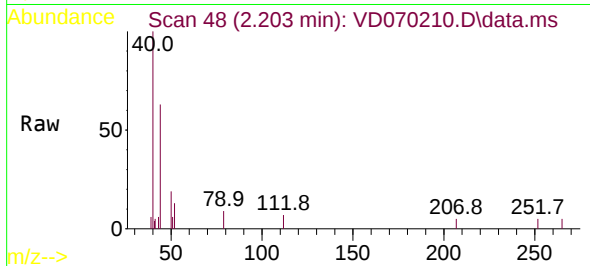




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

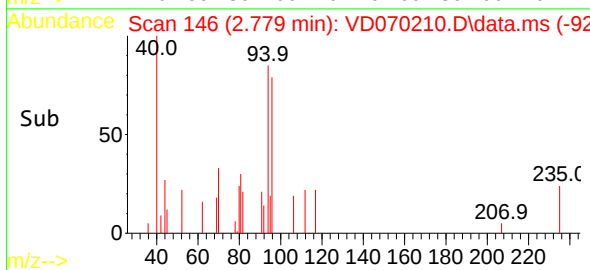
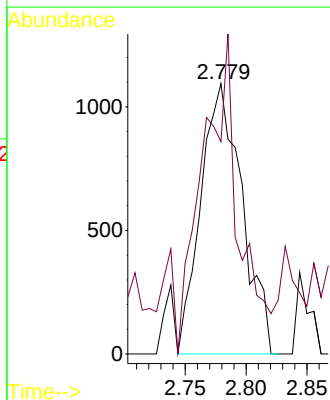
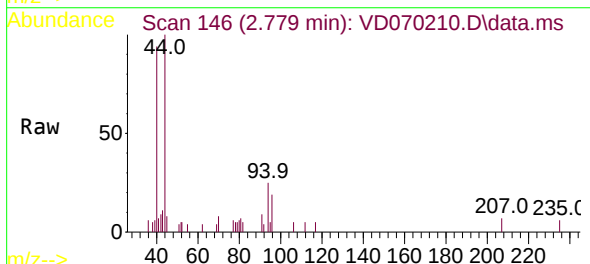
Instrument :
MSVOA_D
ClientSampleId :

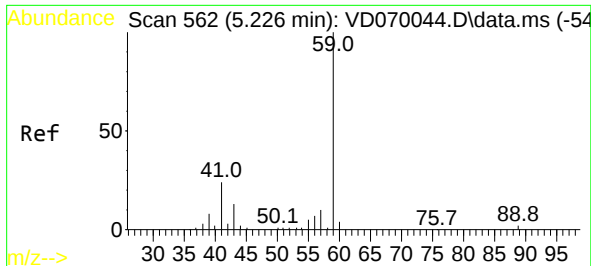
Tgt Ion: 50 Resp: 1224
Ion Ratio Lower Upper
50 100
52 69.1 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

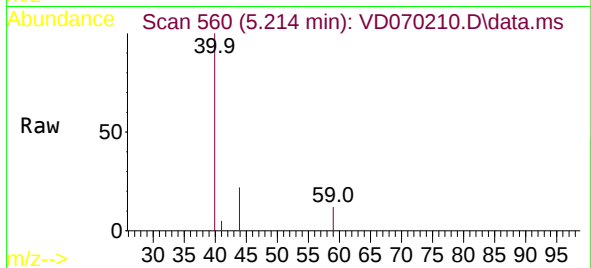
Tgt Ion: 94 Resp: 2570
Ion Ratio Lower Upper
94 100
96 78.5 70.9 106.3



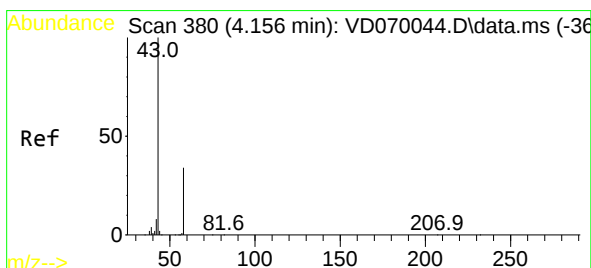
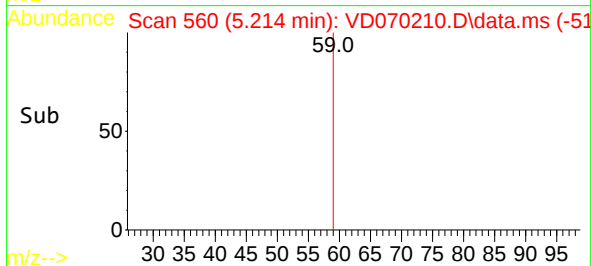
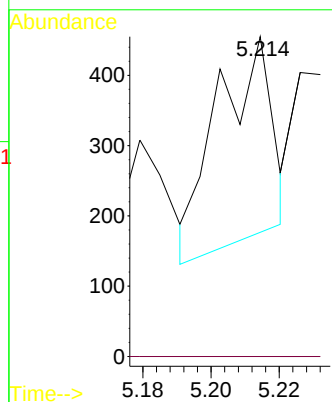


#11
Tert butyl alcohol
Concen: 1.240 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Instrument :
MSVOA_D
ClientSampled :

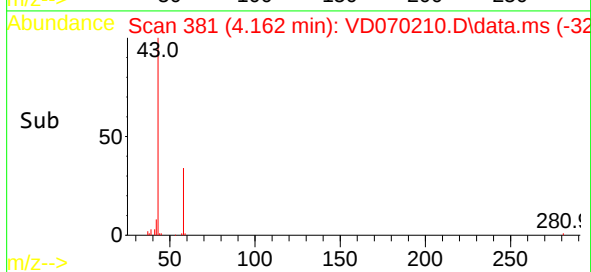
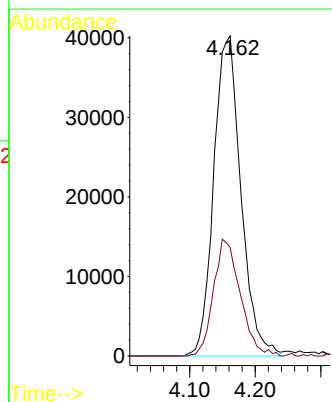
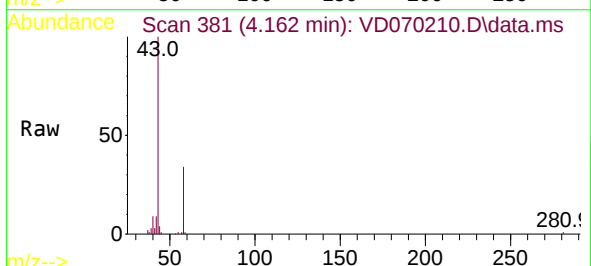


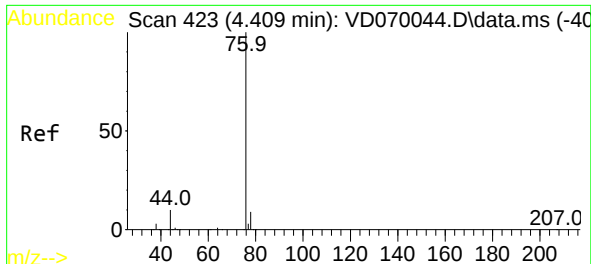
Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 133.693 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

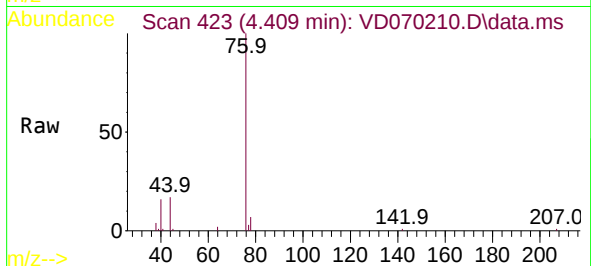
Tgt Ion: 43 Resp: 115678
Ion Ratio Lower Upper
43 100
58 33.9 26.8 40.2



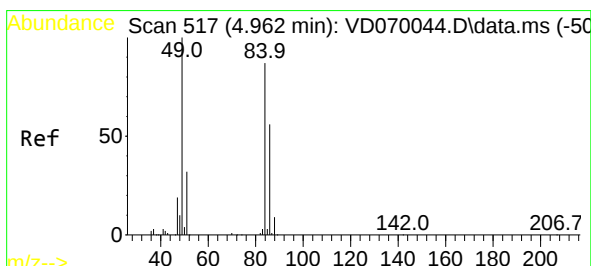
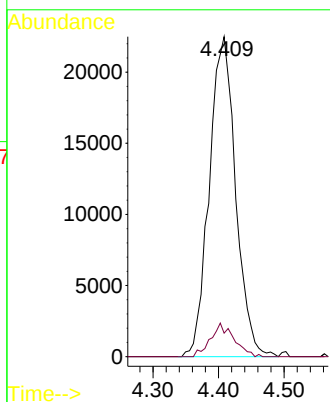
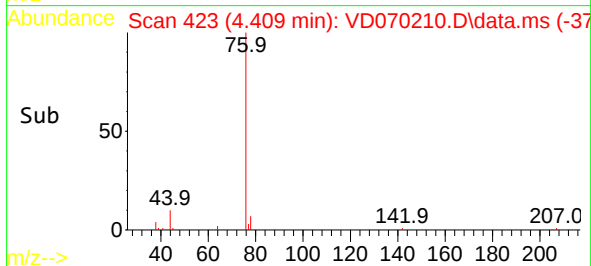


#17
Carbon Disulfide
Concen: 3.663 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

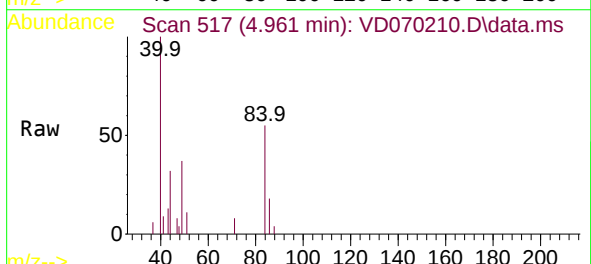
Instrument :
MSVOA_D
ClientSampleId :



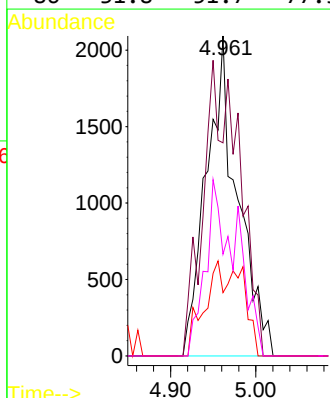
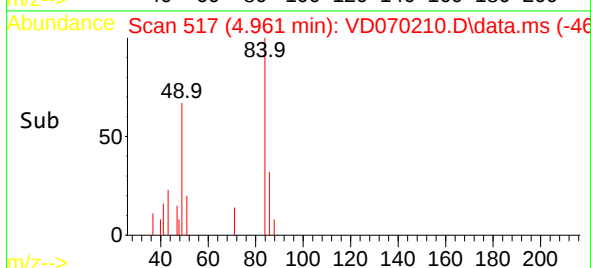
Tgt Ion: 76 Resp: 62838
Ion Ratio Lower Upper
76 100
78 7.3 7.1 10.7

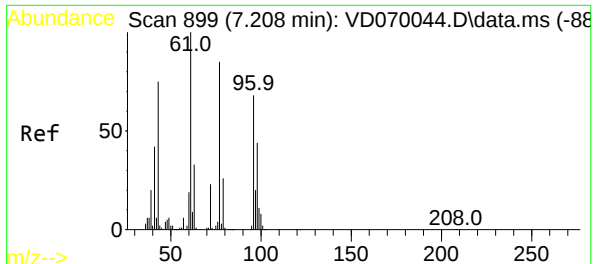


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42



Tgt Ion: 84 Resp: 5319
Ion Ratio Lower Upper
84 100
49 66.6 92.5 138.7#
51 19.8 29.7 44.5#
86 31.8 51.7 77.5#

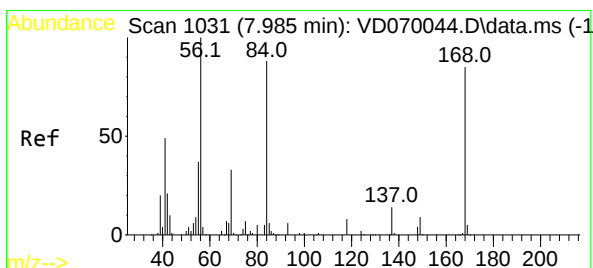
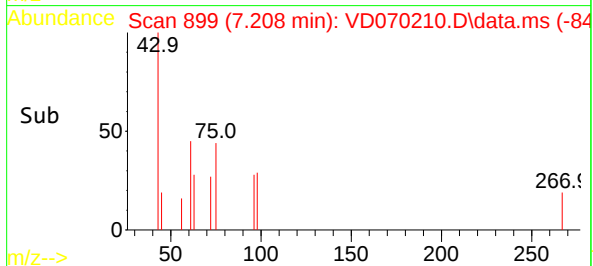
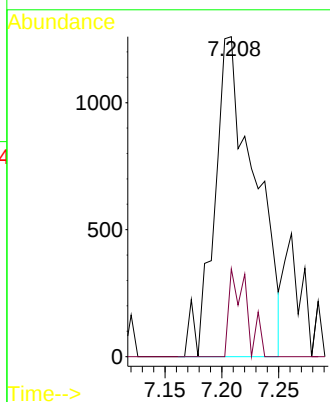
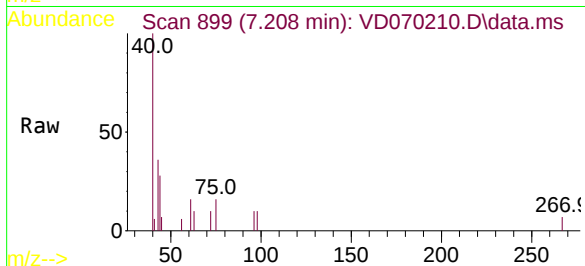




#25
2-Butanone
Concen: 2.620 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

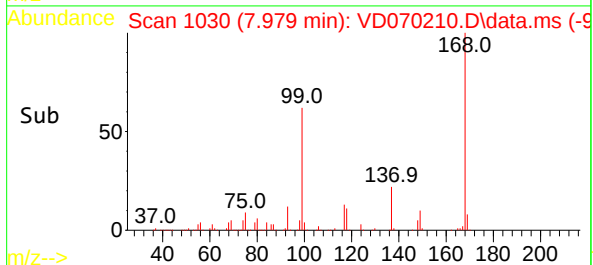
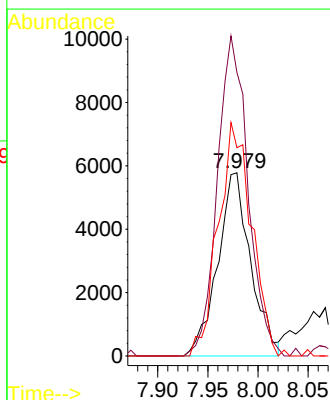
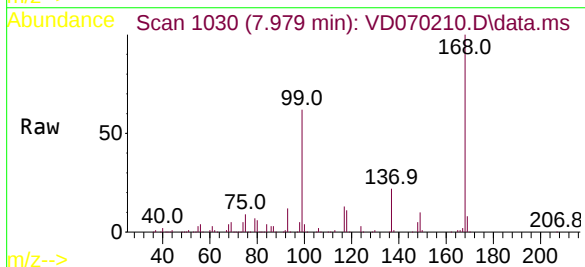
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MSVOA_D
ClientSampleId :

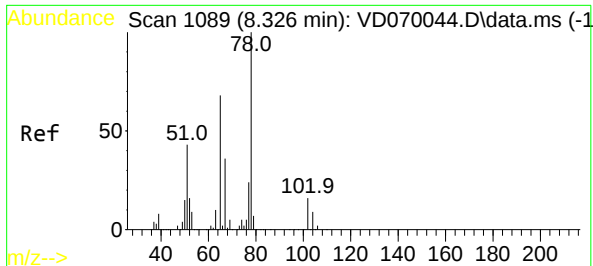
Tgt Ion: 43 Resp: 3098
Ion Ratio Lower Upper
43 100
72 27.5 24.2 36.4



#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion: 56 Resp: 13222
Ion Ratio Lower Upper
56 100
69 154.7 26.7 40.1#
84 113.7 70.4 105.6#

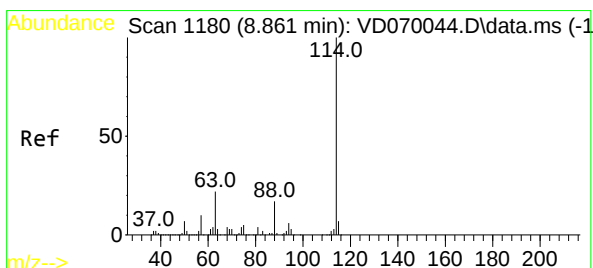
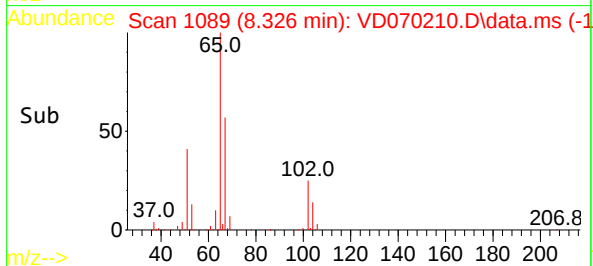
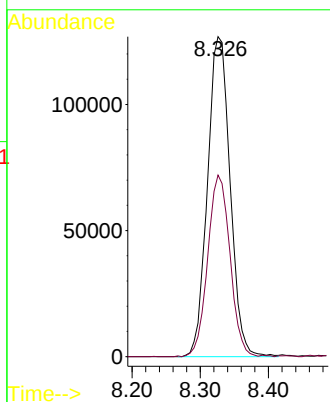
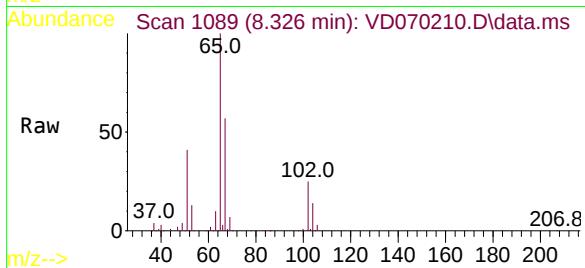




#33
1,2-Dichloroethane-d4
Concen: 62.480 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

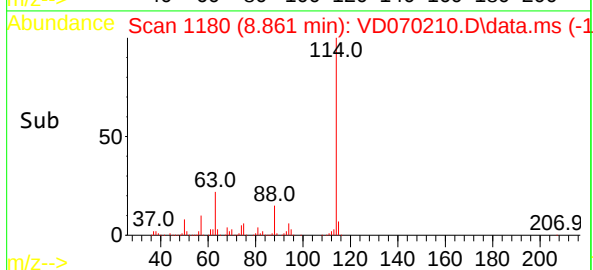
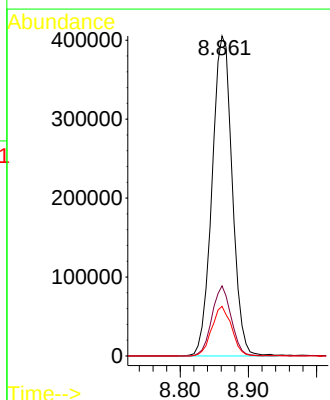
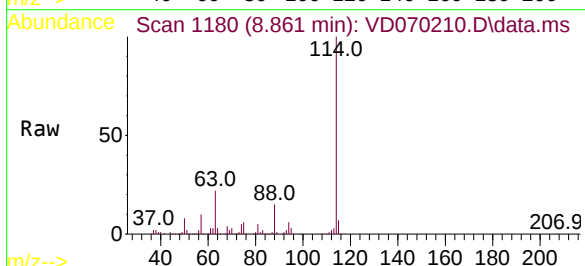
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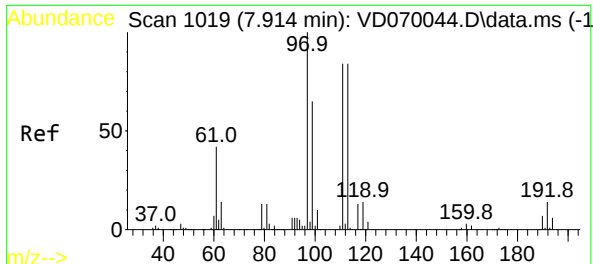
Tgt Ion: 65 Resp: 293465
Ion Ratio Lower Upper
65 100
67 55.8 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion:114 Resp: 833127
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.6
88 15.5 0.0 33.4



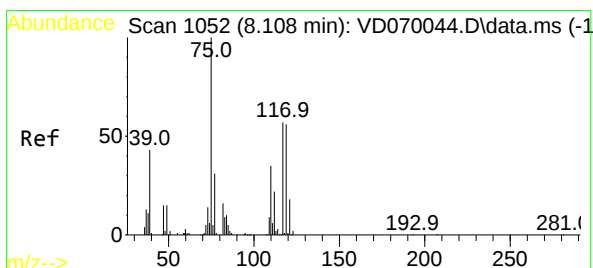
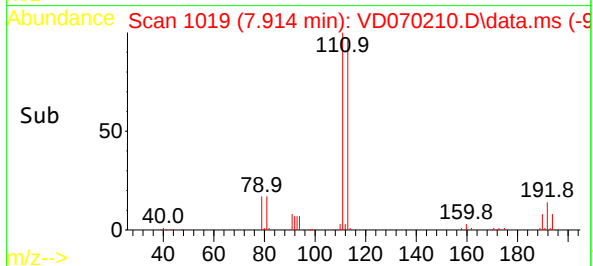
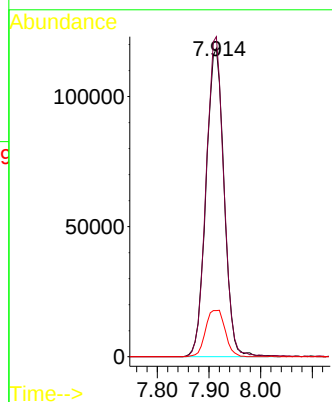
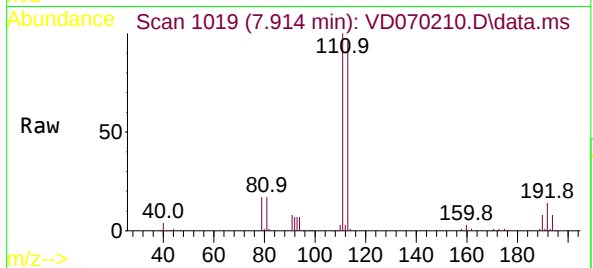


#35

Dibromofluoromethane
Concen: 53.404 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Instrument :
MSVOA_D
ClientSampleId :

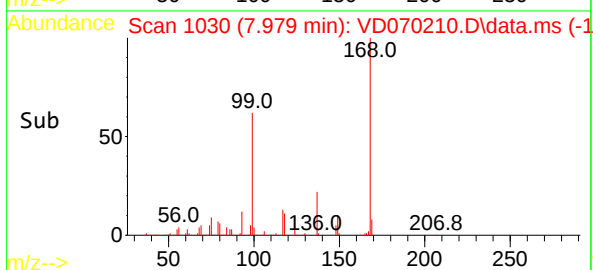
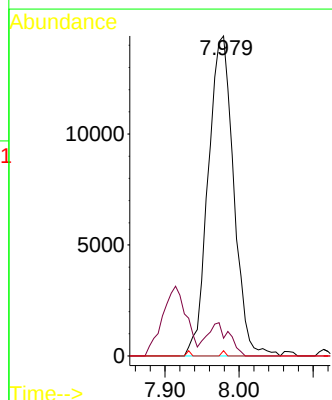
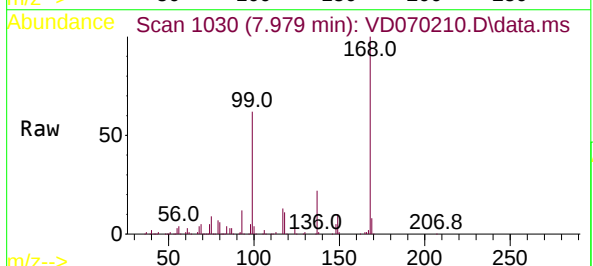
Tgt Ion:113 Resp: 287447
Ion Ratio Lower Upper
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111 101.4 81.8 122.6
192 16.3 13.2 19.8

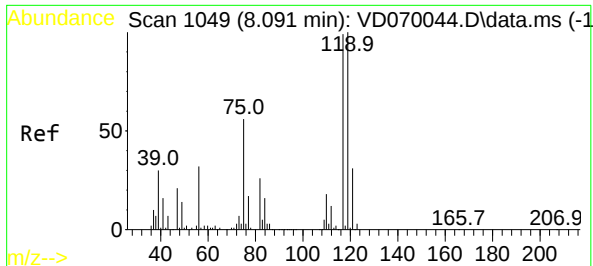


#36

1,1-Dichloropropene
Concen: 3.837 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

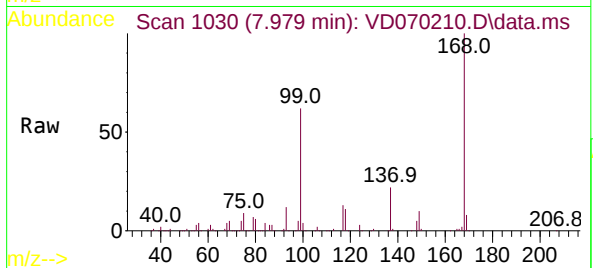
Tgt Ion: 75 Resp: 34390
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.2 25.2 37.8#



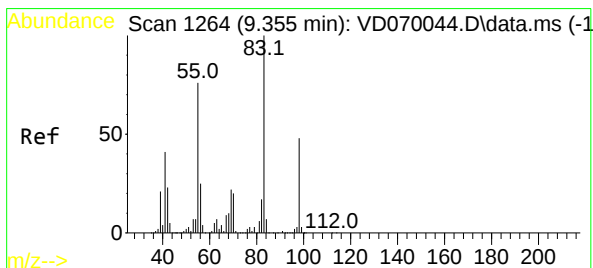
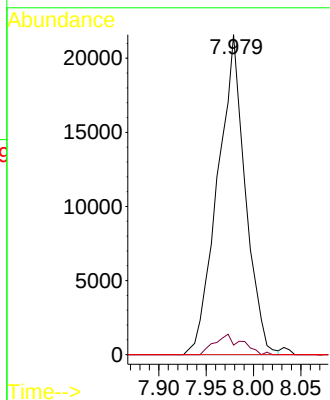
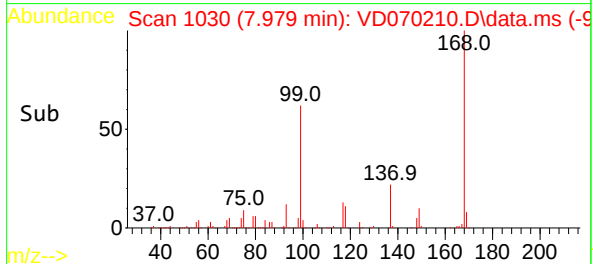


#38
Carbon Tetrachloride
Concen: 5.399 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

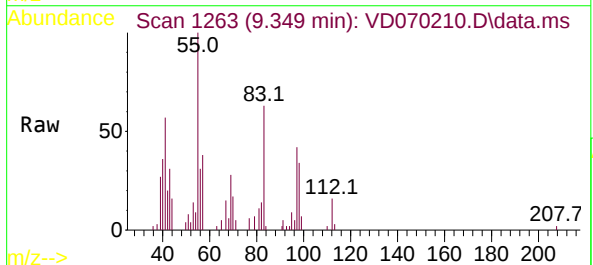
Instrument :
MSVOA_D
ClientSampleId :



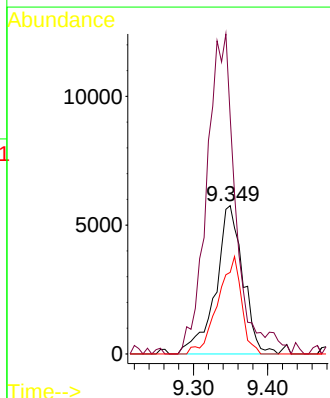
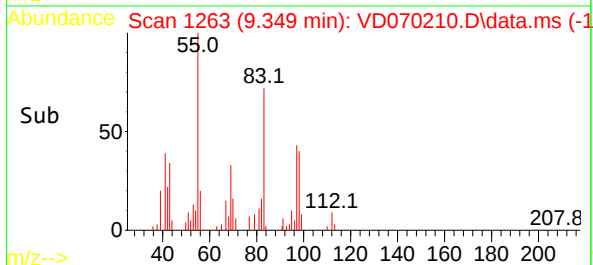
Tgt Ion:117 Resp: 43929
Ion Ratio Lower Upper
117 100
119 3.0 81.0 121.6#
121 0.0 25.0 37.6#

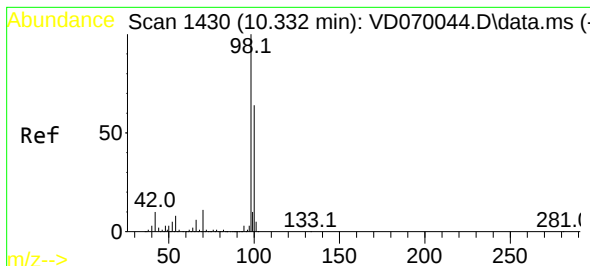


#39
Methylcyclohexane
Concen: 1.410 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42



Tgt Ion: 83 Resp: 14715
Ion Ratio Lower Upper
83 100
55 159.8 60.7 91.1#
98 55.0 38.6 58.0

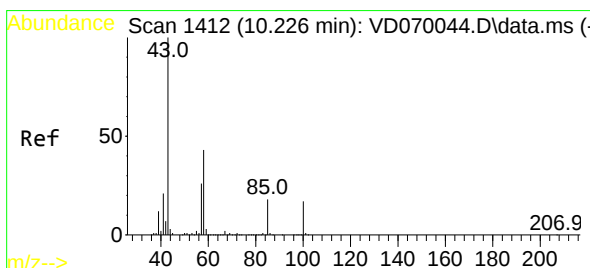
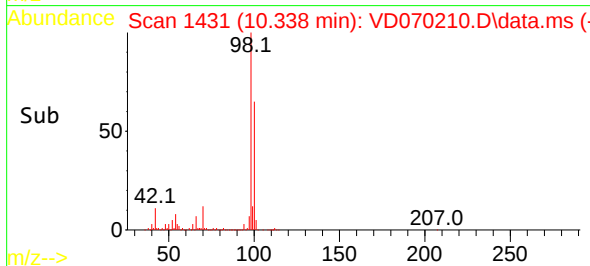
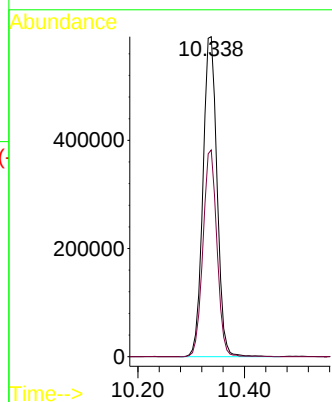
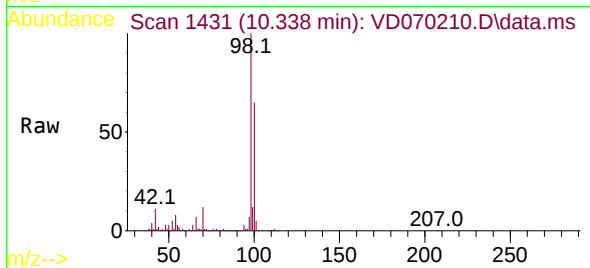




#50
Toluene-d8
Concen: 51.874 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

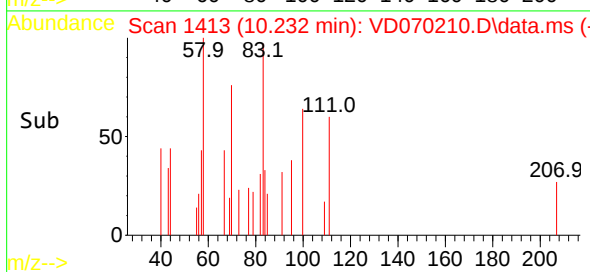
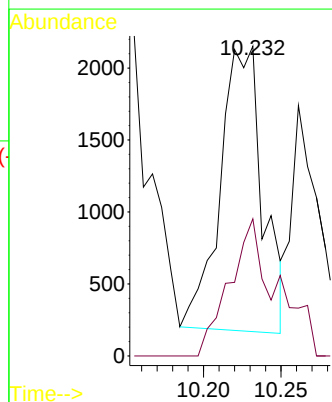
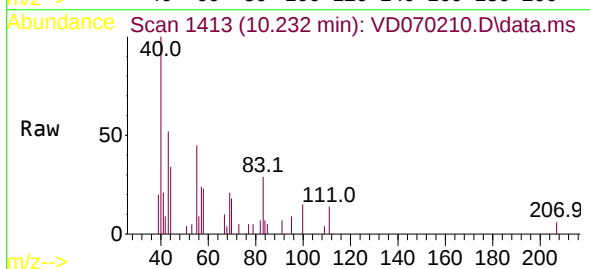
Instrument :
MSVOA_D
ClientSampleId :

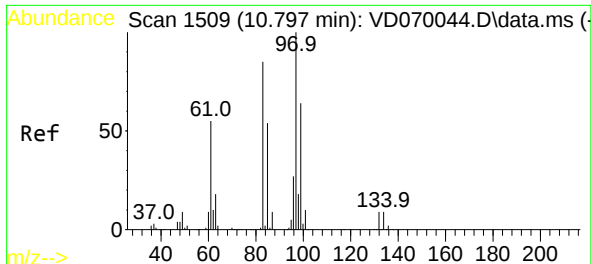
Tgt Ion: 98 Resp: 1085995
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.191 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion: 43 Resp: 3763
Ion Ratio Lower Upper
43 100
58 53.5 33.9 50.9#

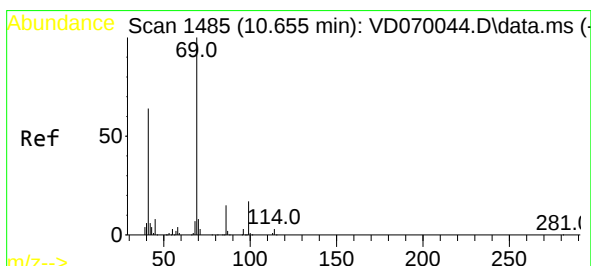
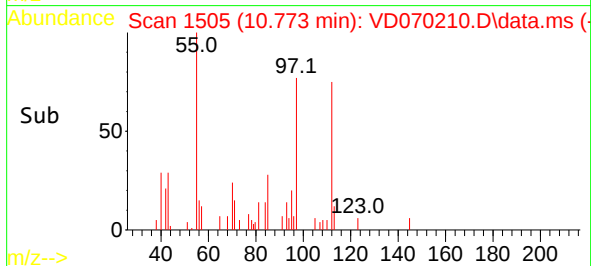
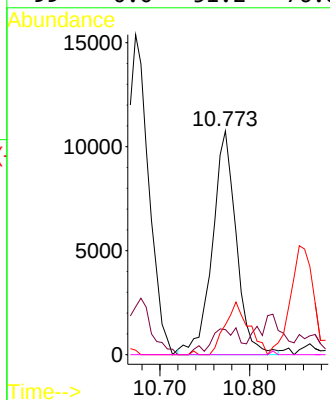
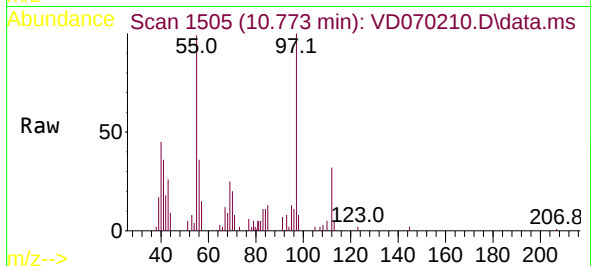




#55
1,1,2-Trichloroethane
Concen: 4.272 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

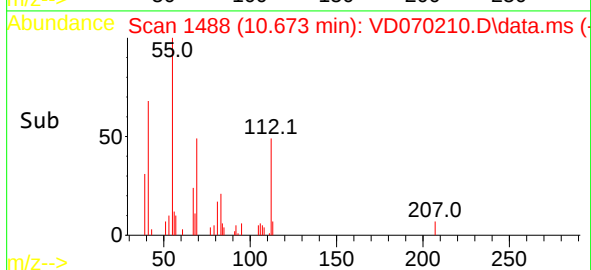
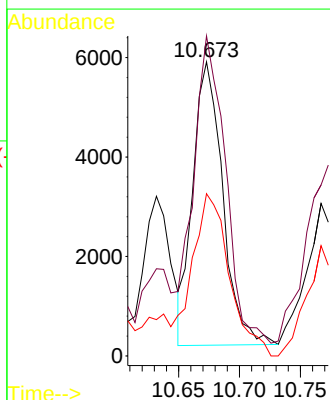
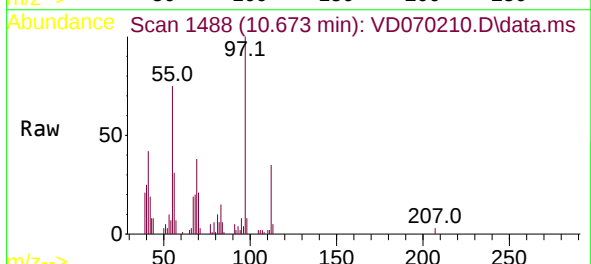
Instrument :
MSVOA_D
ClientSampleId :

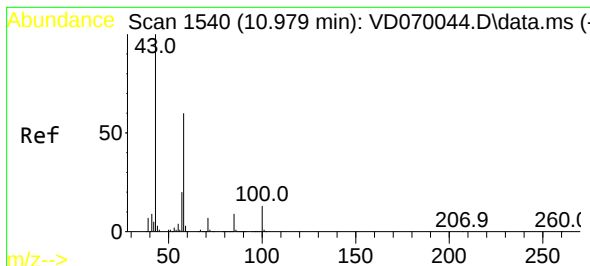
Tgt Ion:	97	Resp:	19850
Ion	Ratio	Lower	Upper
97	100		
83	11.4	67.8	101.6#
85	13.6	43.4	65.0#
99	0.0	51.2	76.8#



#56
Ethyl methacrylate
Concen: 1.839 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion:	69	Resp:	9723
Ion	Ratio	Lower	Upper
69	100		
41	118.3	48.9	73.3#
39	71.7	21.6	32.4#

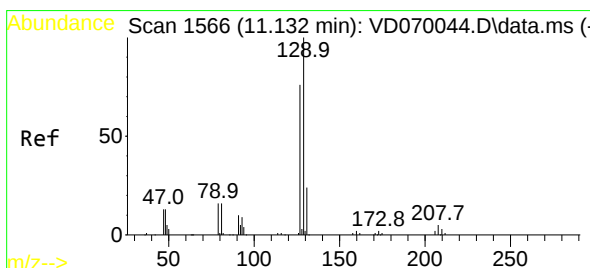
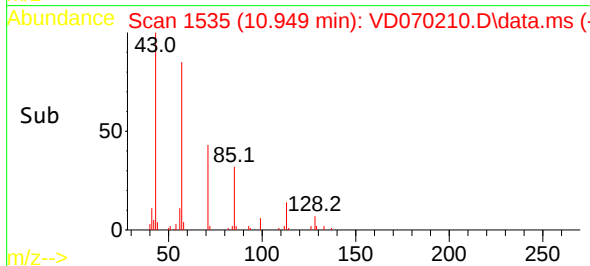
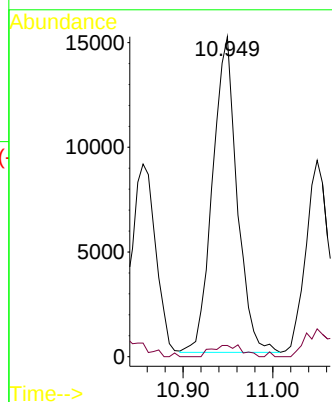
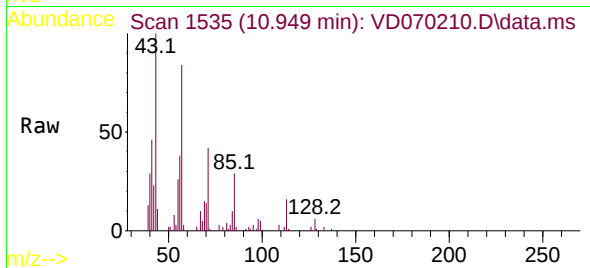




#59
2-Hexanone
Concen: 13.531 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

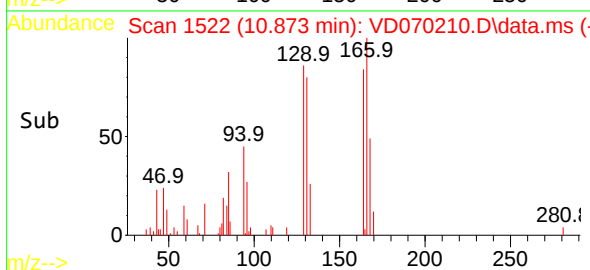
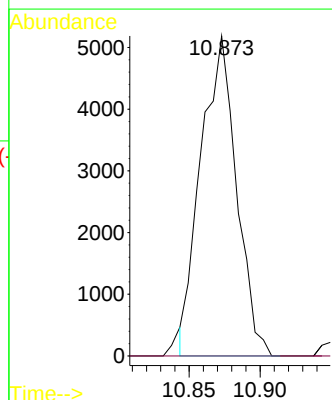
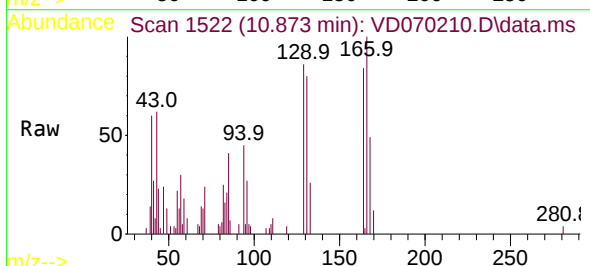
Instrument :
MSVOA_D
ClientSampled :

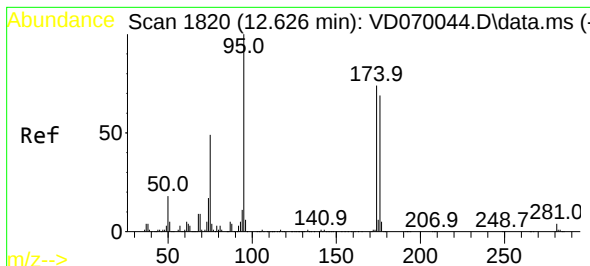
Tgt Ion: 43 Resp: 28638
Ion Ratio Lower Upper
43 100
58 4.5 29.5 88.5#



#60
Dibromochloromethane
Concen: 1.699 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.259 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion:129 Resp: 9045
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#

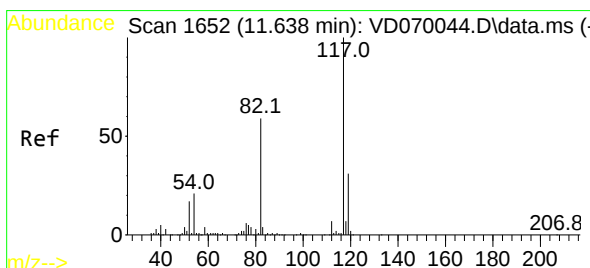
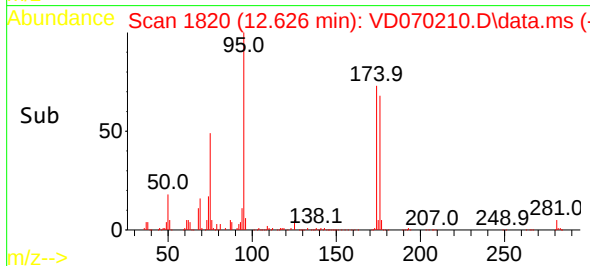
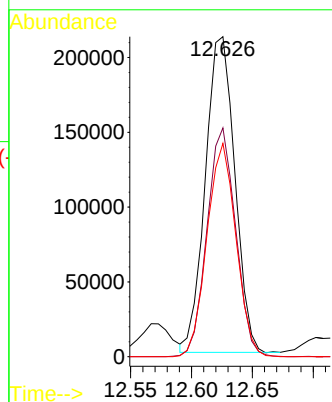
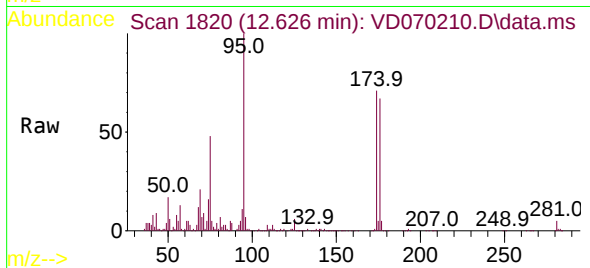




#62
4-Bromofluorobenzene
Concen: 51.673 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

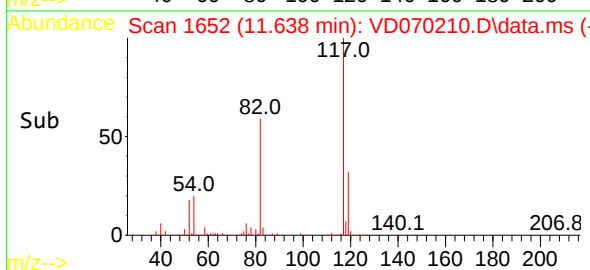
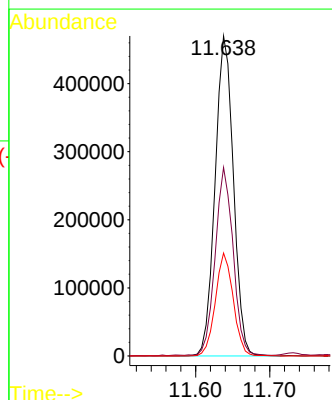
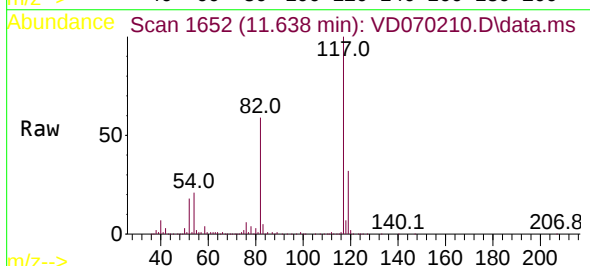
Instrument :
MSVOA_D
ClientSampleId :

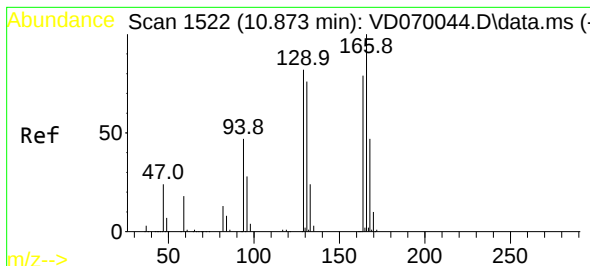
Tgt Ion: 95 Resp: 356307
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.6
176 66.3 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion: 117 Resp: 807374
Ion Ratio Lower Upper
117 100
82 58.7 47.5 71.3
119 32.2 25.1 37.7

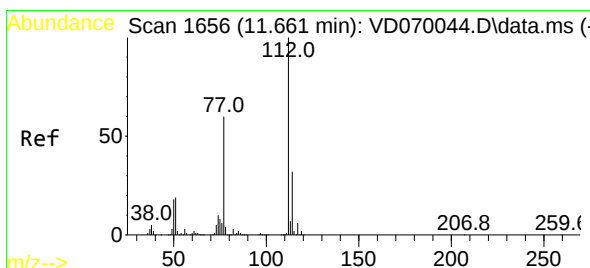
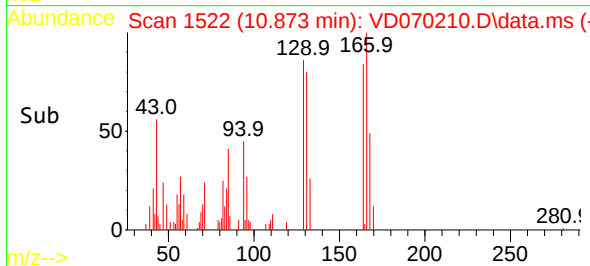
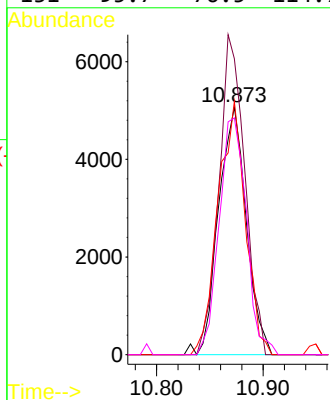
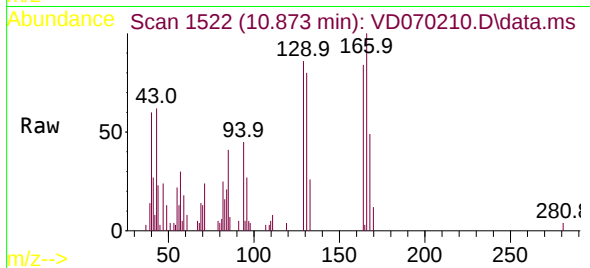




#64
Tetrachloroethene
Concen: 1.764 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

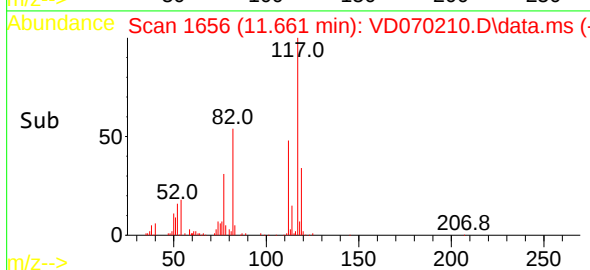
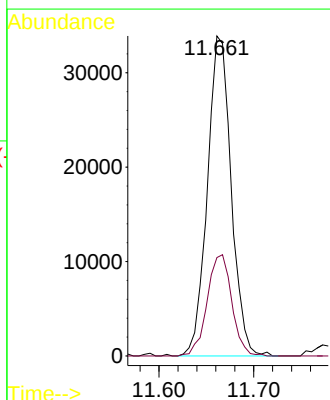
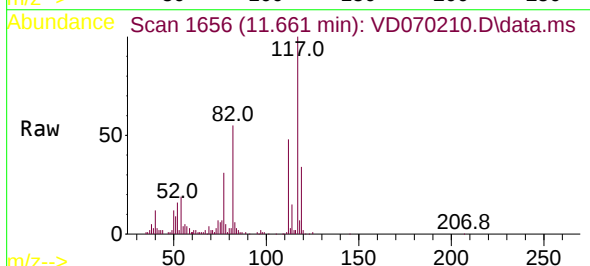
Instrument :
MSVOA_D
ClientSampleId :

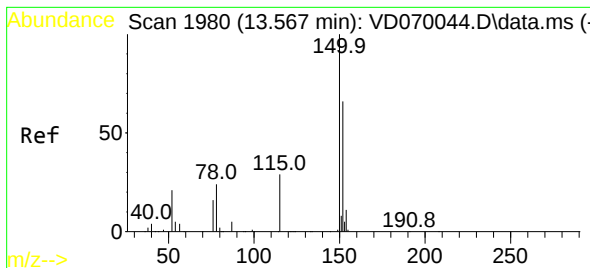
Tgt Ion:	164	Resp:	9190
Ion	Ratio	Lower	Upper
164	100		
166	119.6	101.3	151.9
129	102.4	82.9	124.3
131	95.7	76.5	114.7



#65
Chlorobenzene
Concen: 3.510 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion:	112	Resp:	59207
Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.5	38.3

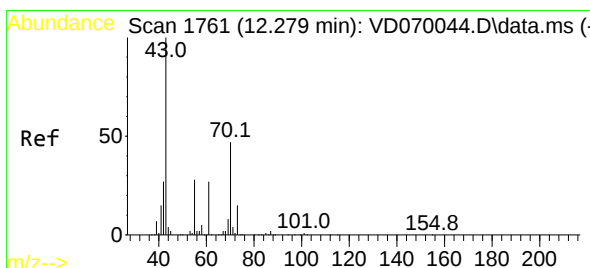
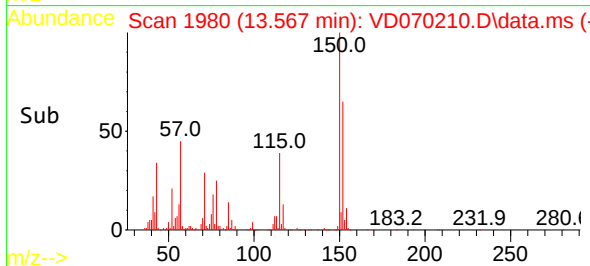
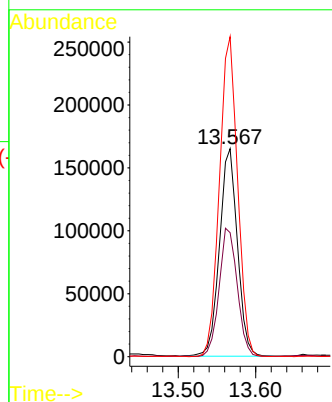
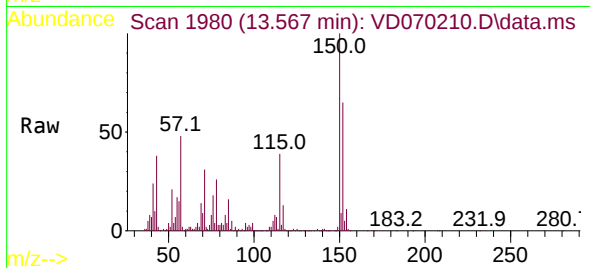




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

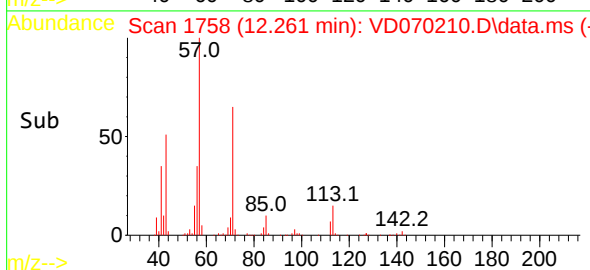
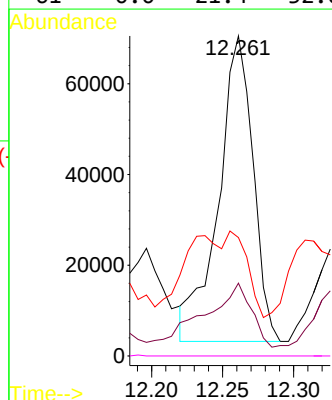
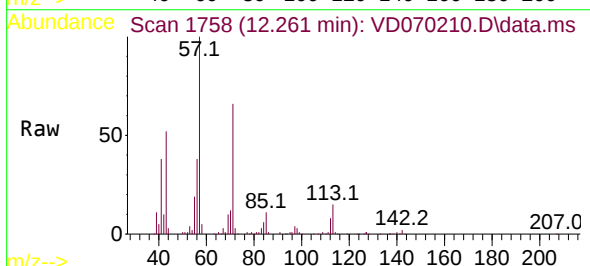
Instrument :
MSVOA_D
ClientSampleId :

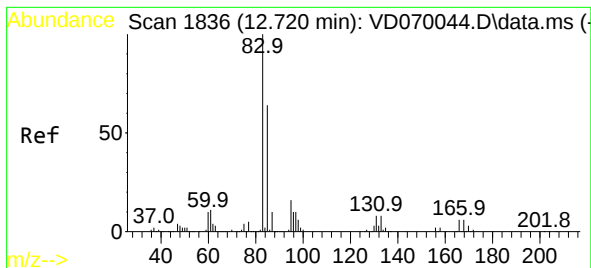
Tgt Ion:152 Resp: 265178
Ion Ratio Lower Upper
152 100
115 62.3 31.2 93.6
150 156.2 0.0 352.0



#74
N-ethyl acetate
Concen: 27.289 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion: 43 Resp: 113778
Ion Ratio Lower Upper
43 100
70 26.9 37.2 55.8#
55 0.0 22.9 34.3#
61 0.0 21.4 32.0#



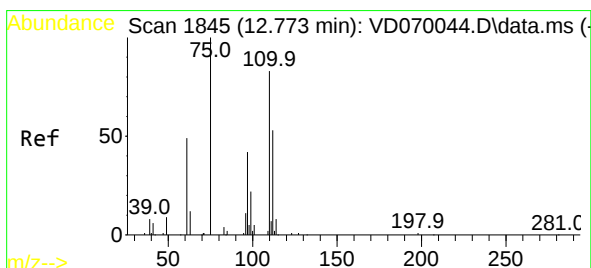
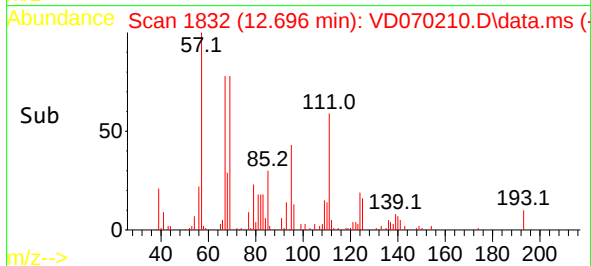
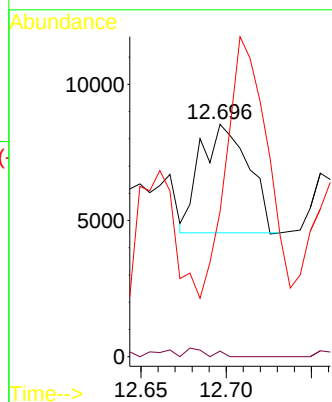
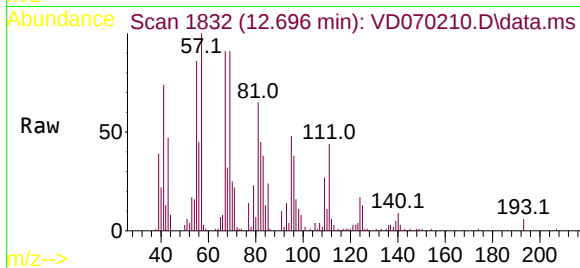


#75

1,1,2,2-Tetrachloroethane
Concen: 2.016 ug/l
RT: 12.696 min Scan# 1832
Delta R.T. -0.024 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Instrument :
MSVOA_D
ClientSampleId :

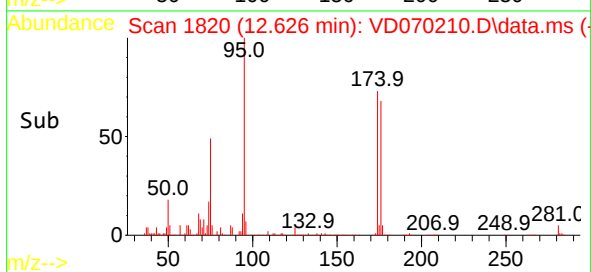
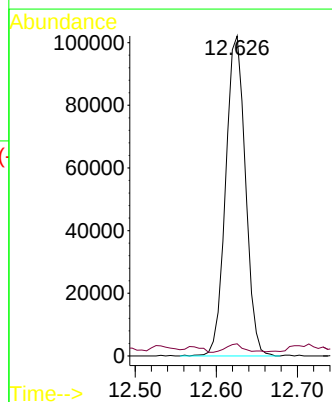
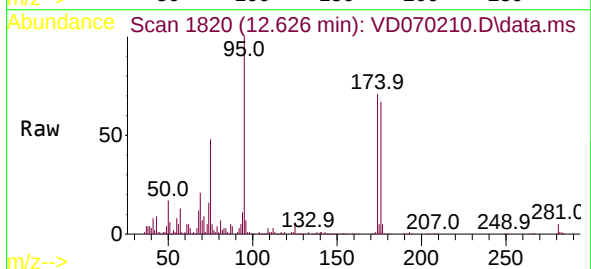
Tgt Ion: 83 Resp: 7779
Ion Ratio Lower Upper
83 100
131 0.0 4.5 13.7#
85 200.6 31.9 95.5#

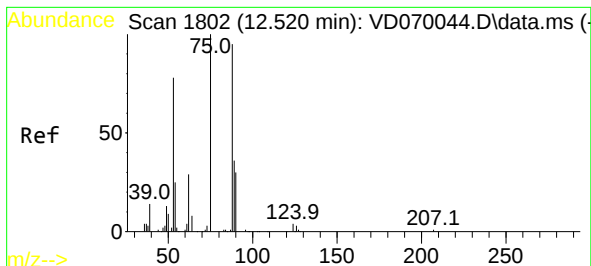


#76

1,2,3-Trichloropropane
Concen: 64.235 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion: 75 Resp: 172745
Ion Ratio Lower Upper
75 100
77 2.4 182.4 547.2#

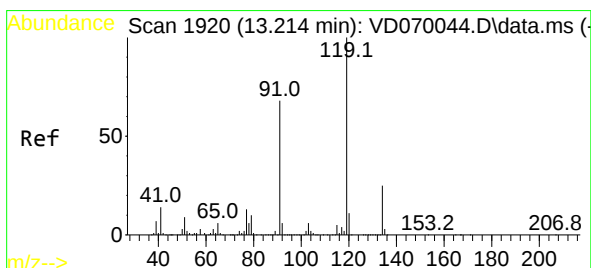
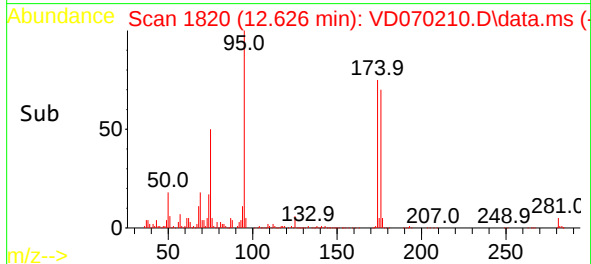
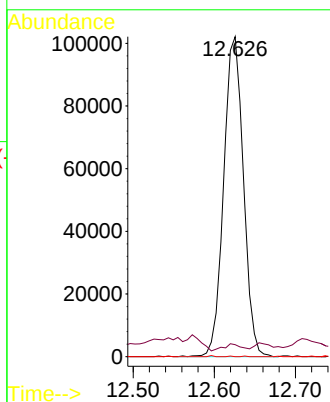
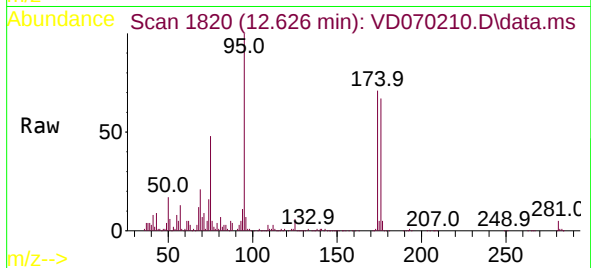




#81
trans-1,4-Dichloro-2-butene
Concen: 166.730 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 172745
Ion Ratio Lower Upper
75 100
53 2.0 64.5 96.7#
89 0.0 33.7 50.5#



#83
tert-Butylbenzene
Concen: 1.068 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD070210.D
Acq: 20 Aug 2021 18:42

Tgt Ion: 119 Resp: 14285
Ion Ratio Lower Upper
119 100
91 60.3 34.0 101.8
134 24.9 13.2 39.6

