

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070810.D
 Acq On : 21 Oct 2021 19:42
 Operator : VA/SY
 Sample : M4298-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 22 06:17:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

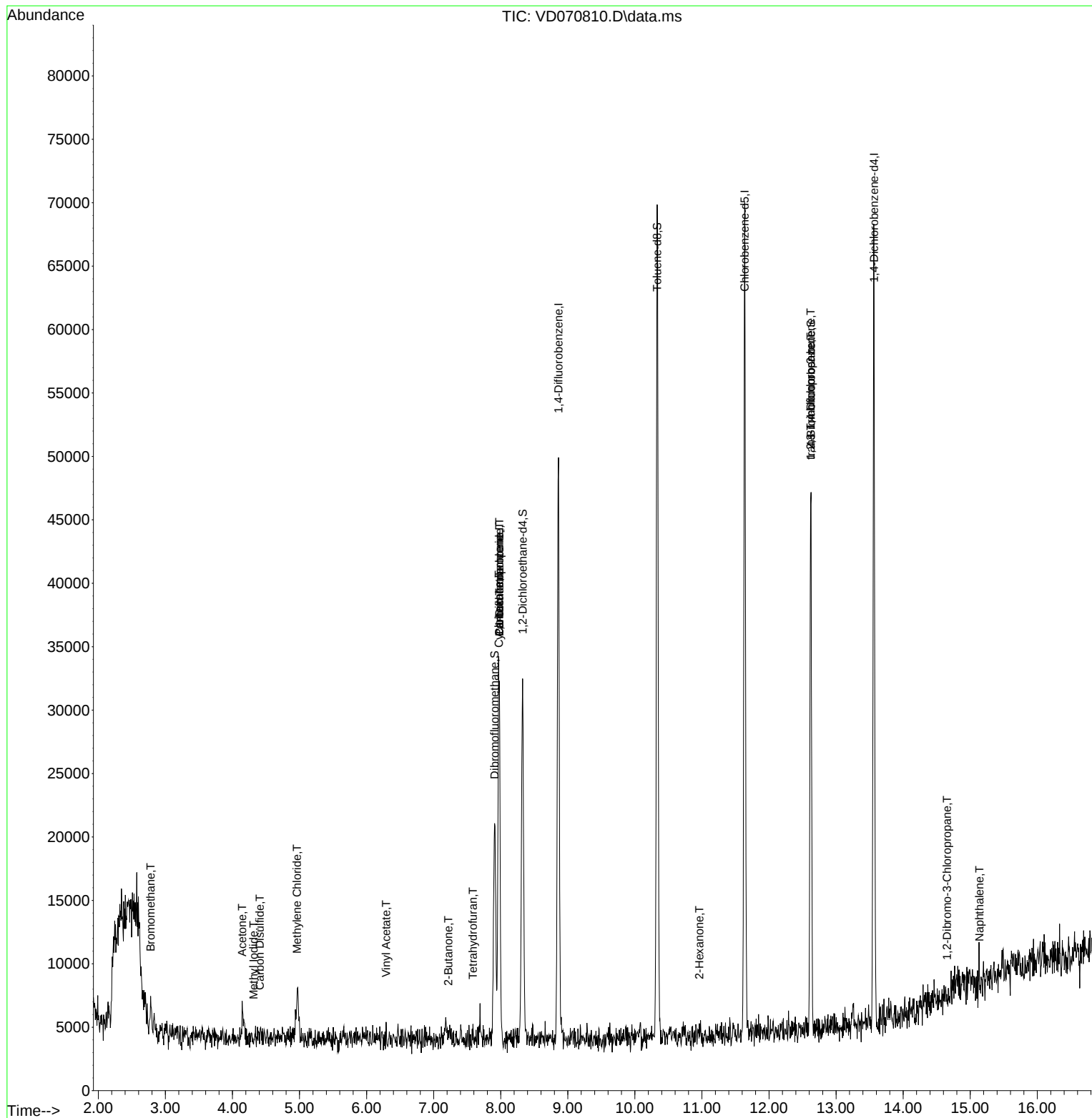
Internal Standards						
1) Pentafluorobenzene	7.979	168	20848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	34803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	35493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	15563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	21005	85.065	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.120%#			
35) Dibromofluoromethane	7.909	113	12261	55.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.040%			
50) Toluene-d8	10.332	98	44151	51.684	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.626	95	14738	50.105	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.220%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	989	4.376	ug/l	95
10) Methyl Iodide	4.315	142	457	4.961	ug/l #	38
16) Acetone	4.144	43	1740	29.215	ug/l	90
17) Carbon Disulfide	4.409	76	1193	1.445	ug/l #	74
20) Methylene Chloride	4.962	84	2636	2.627	ug/l #	74
23) Vinyl Acetate	6.291	43	86	16.511	ug/l #	69
25) 2-Butanone	7.220	43	149	2.025	ug/l #	43
29) Tetrahydrofuran	7.585	42	64	1.421	ug/l #	29
31) Cyclohexane	7.973	56	657	1.315	ug/l #	58
36) 1,1-Dichloropropene	7.979	75	2216	5.716	ug/l #	42
38) Carbon Tetrachloride	7.979	117	2481	6.681	ug/l #	12
59) 2-Hexanone	10.961	43	116	1.020	ug/l #	20
76) 1,2,3-Trichloropropane	12.620	75	7365	54.776	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	7365	119.975	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.655	75	60	1.715	ug/l #	6
95) Naphthalene	15.138	128	65	4.909	ug/l #	69

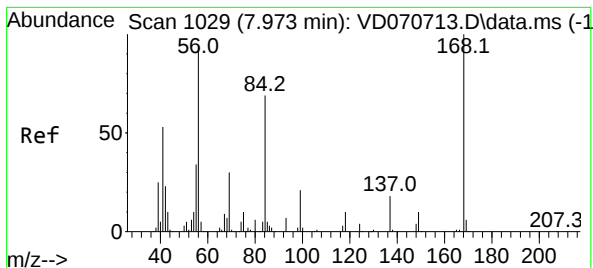
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
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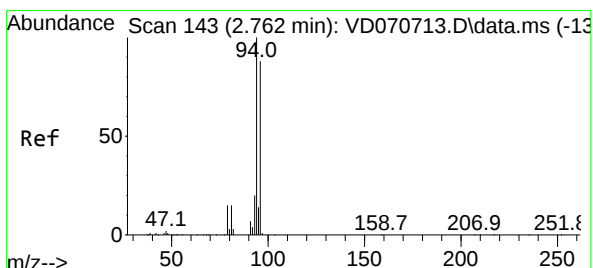
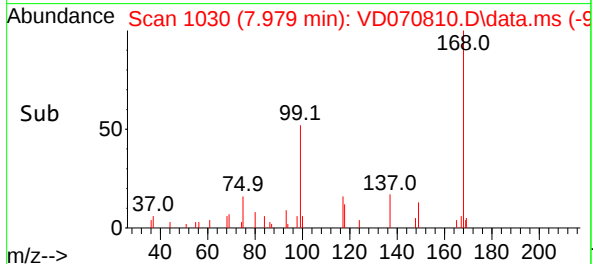
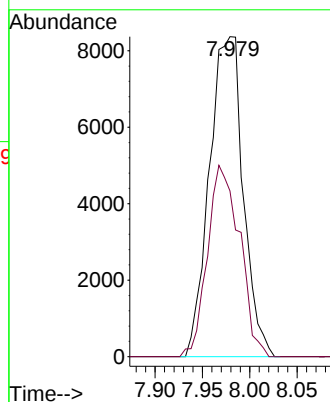
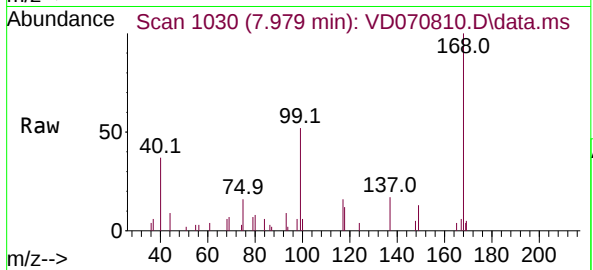




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

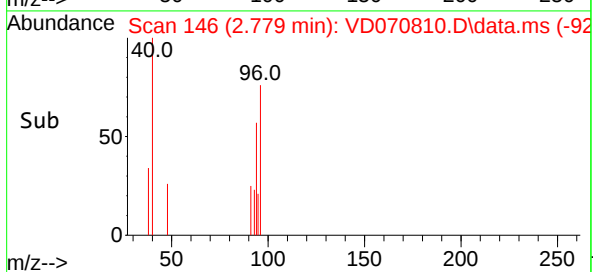
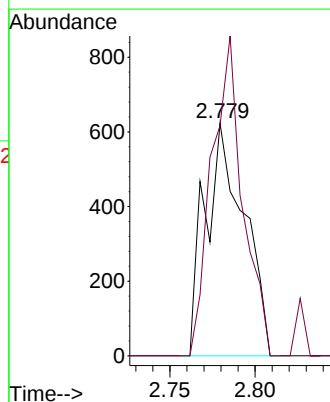
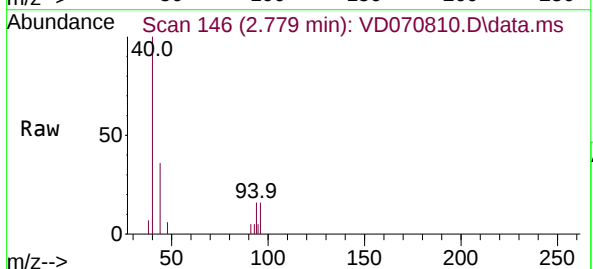
Instrument :
MSVOA_D
ClientSampleId :

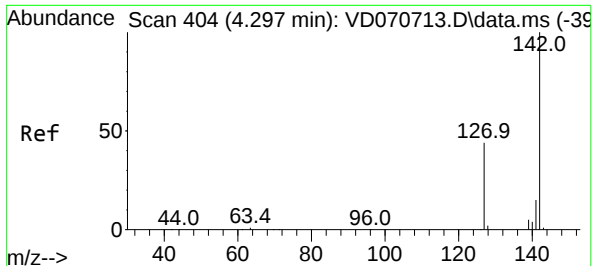
Tgt Ion:168 Resp: 20848
Ion Ratio Lower Upper
168 100
99 51.8 51.4 77.0



#5
Bromomethane
Concen: 4.376 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.018 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

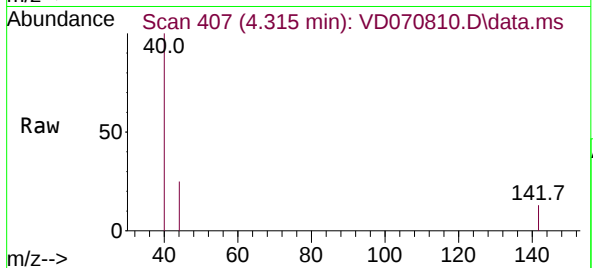
Tgt Ion: 94 Resp: 989
Ion Ratio Lower Upper
94 100
96 99.0 75.5 113.3



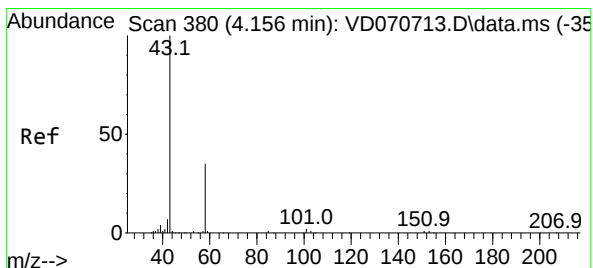
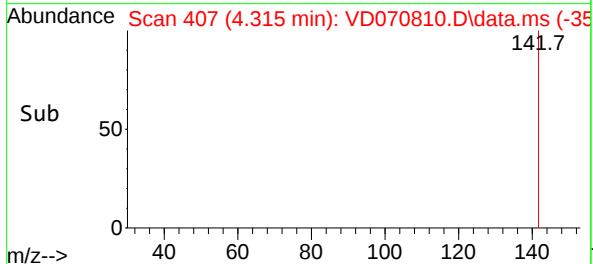
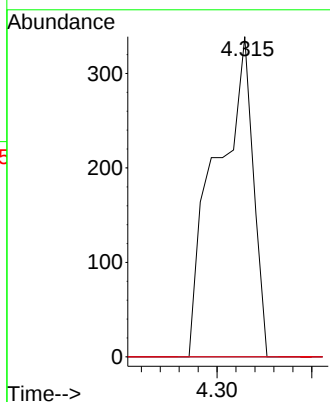


#10
Methyl Iodide
Concen: 4.961 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :

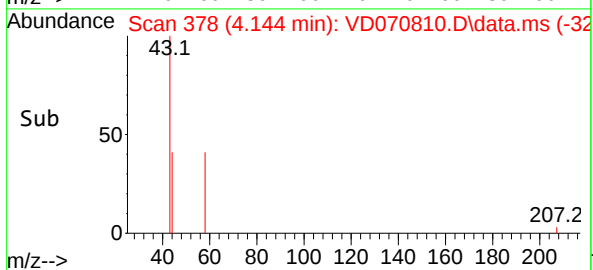
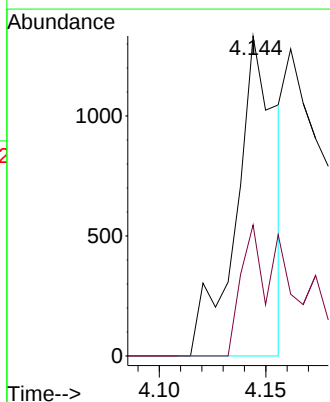
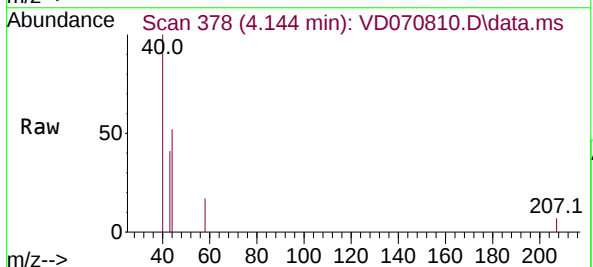


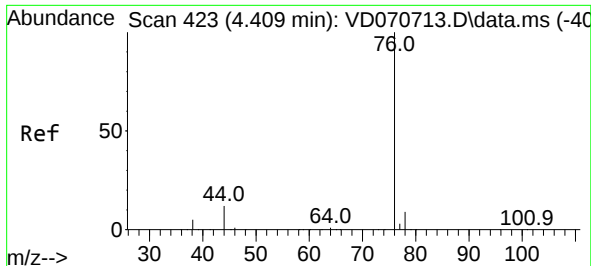
Tgt Ion:142 Resp: 457
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



#16
Acetone
Concen: 29.215 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
58 41.0 28.2 42.2

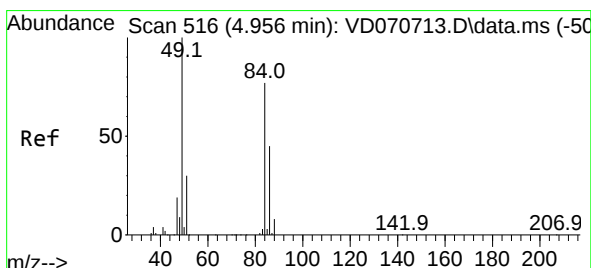
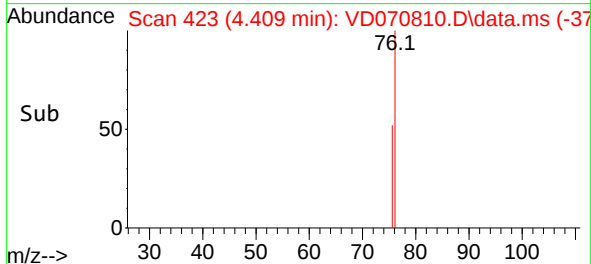
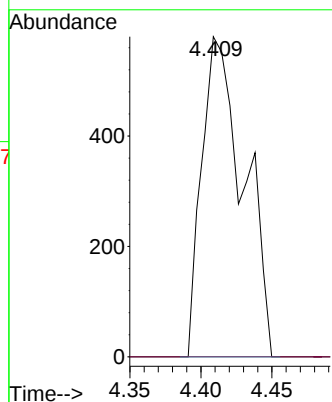
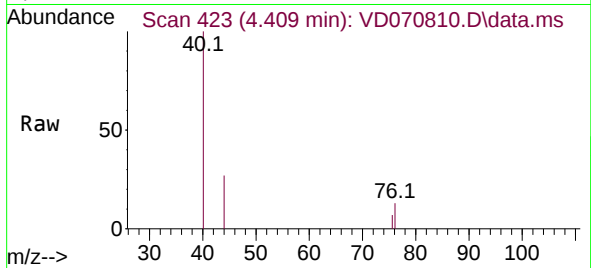




#17
Carbon Disulfide
Concen: 1.445 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

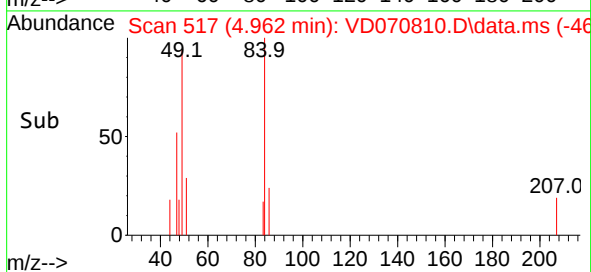
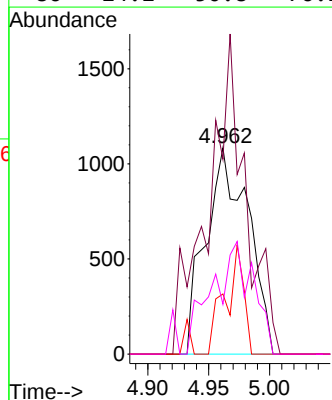
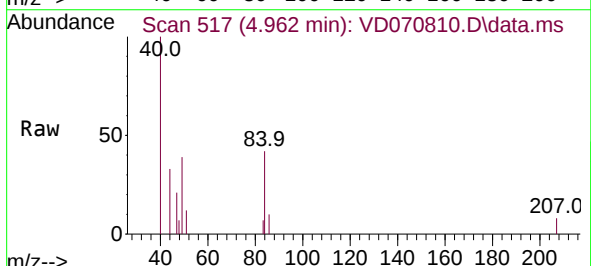
Instrument :
MSVOA_D
ClientSampled :

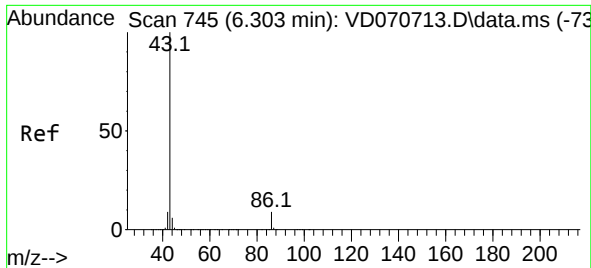
Tgt Ion: 76 Resp: 1193
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: 2.627 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Tgt Ion: 84 Resp: 2636
Ion Ratio Lower Upper
84 100
49 94.5 91.4 137.2
51 29.2 26.7 40.1
86 24.2 50.8 76.2#

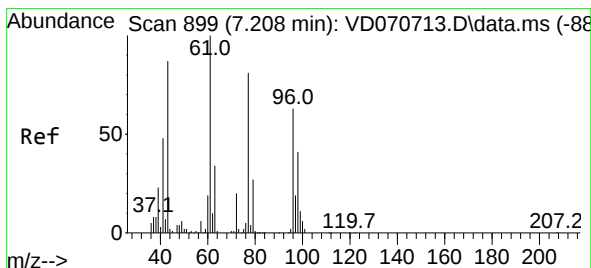
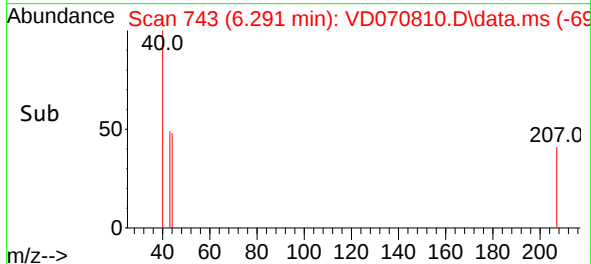
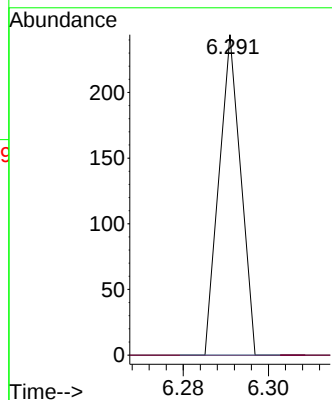
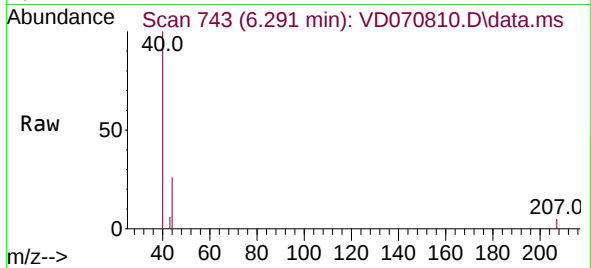




#23
 Vinyl Acetate
 Concen: 16.511 ug/l
 RT: 6.291 min Scan# 743
 Delta R.T. -0.012 min
 Lab File: VD070810.D
 Acq: 21 Oct 2021 19:42

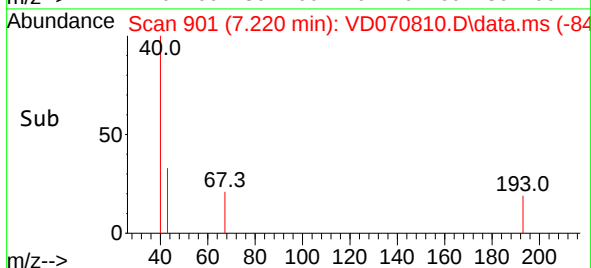
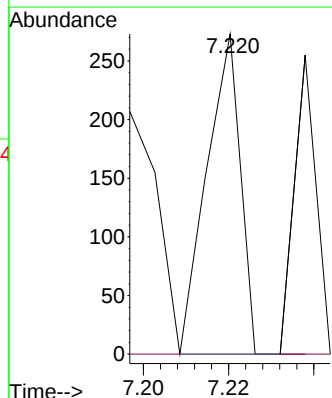
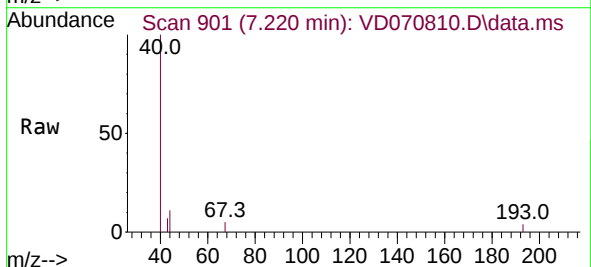
Instrument :
 MSVOA_D
 ClientSampled :

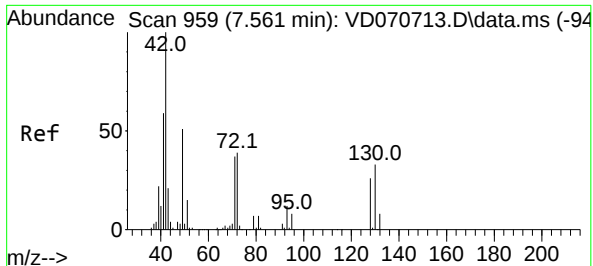
Tgt Ion: 43 Resp: 86
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 2.025 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.012 min
 Lab File: VD070810.D
 Acq: 21 Oct 2021 19:42

Tgt Ion: 43 Resp: 149
 Ion Ratio Lower Upper
 43 100
 72 0.0 25.2 37.8#





#29

Tetrahydrofuran

Concen: 1.421 ug/l

RT: 7.585 min Scan# 963

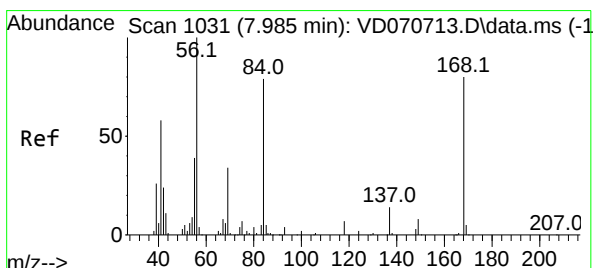
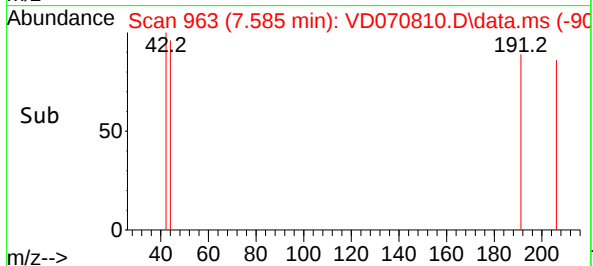
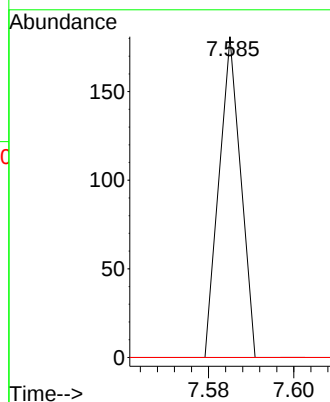
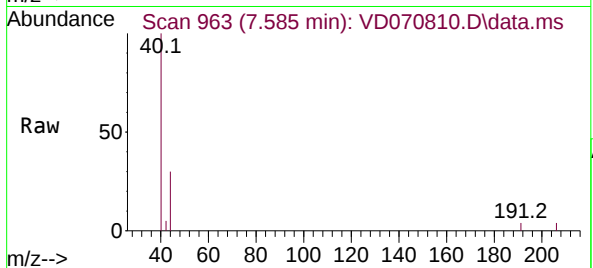
Delta R.T. 0.024 min

Lab File: VD070810.D

Acq: 21 Oct 2021 19:42

Tgt Ion:	42	Resp:	64
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.2	60.4#
71	0.0	37.2	55.8#

Instrument :
MSVOA_D
ClientSampleId :



#31

Cyclohexane

Concen: 1.315 ug/l

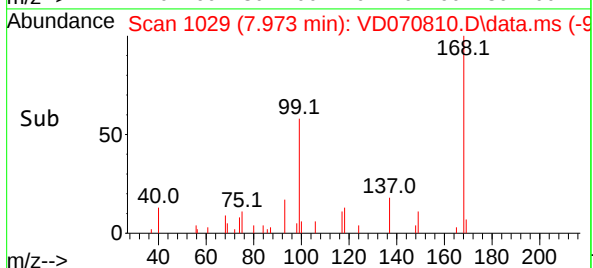
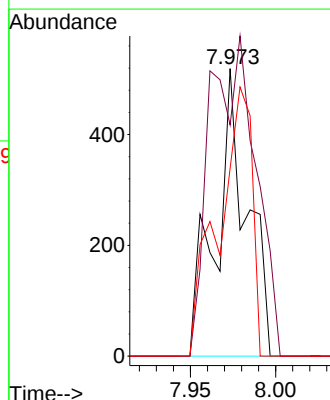
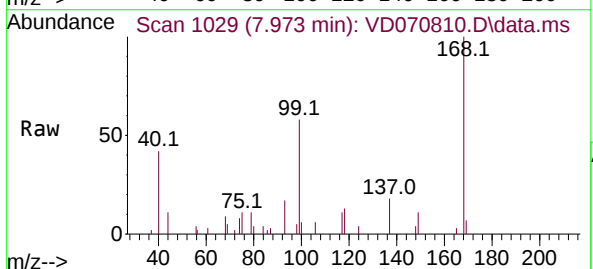
RT: 7.973 min Scan# 1029

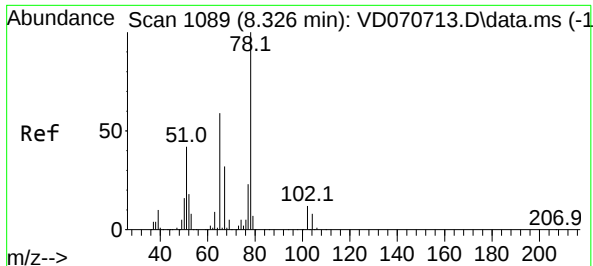
Delta R.T. -0.012 min

Lab File: VD070810.D

Acq: 21 Oct 2021 19:42

Tgt Ion:	56	Resp:	657
Ion	Ratio	Lower	Upper
56	100		
69	80.3	27.4	41.2#
84	65.3	73.6	110.4#

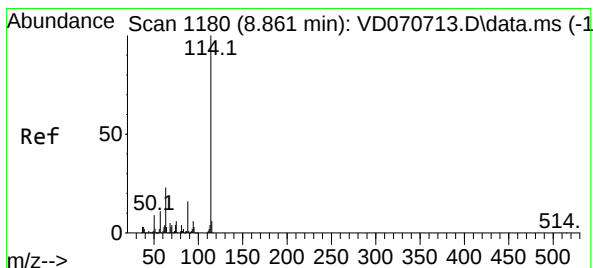
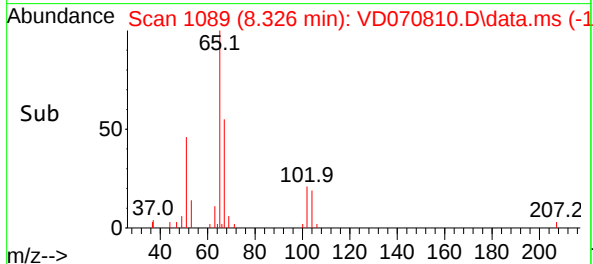
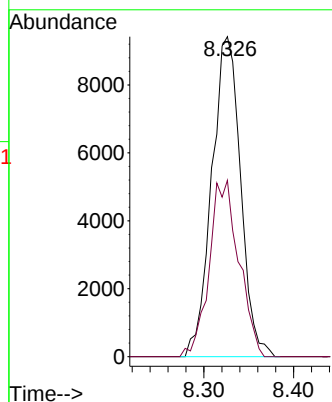
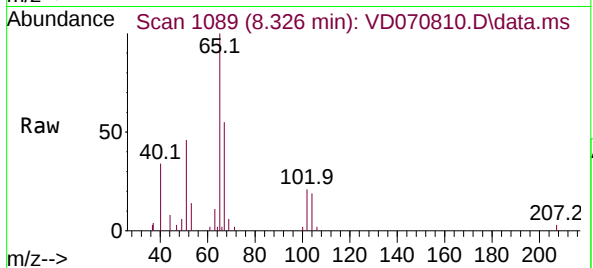




#33
1,2-Dichloroethane-d4
Concen: 85.065 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

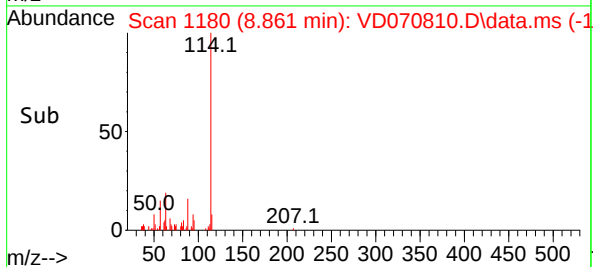
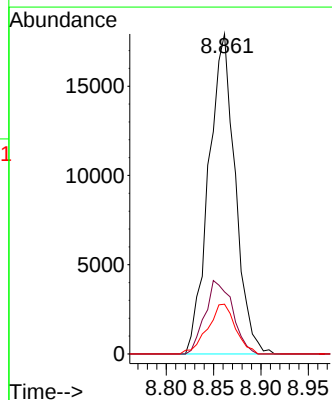
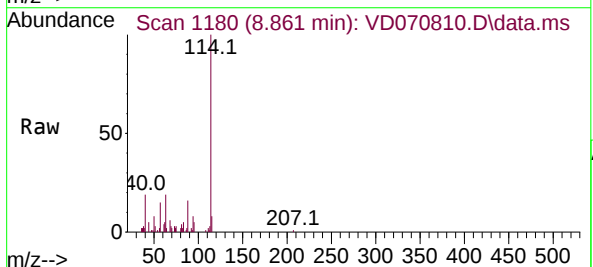
Instrument :
MSVOA_D
ClientSampleId :

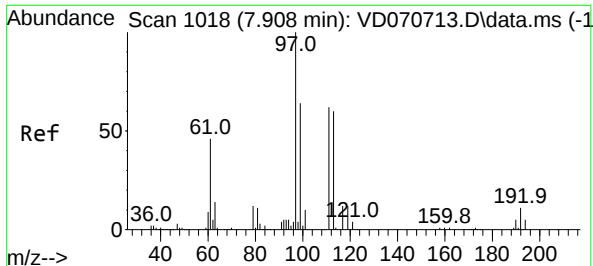
Tgt Ion: 65 Resp: 21005
Ion Ratio Lower Upper
65 100
67 56.7 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Tgt Ion: 114 Resp: 34803
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.8
88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.020 ug/l

RT: 7.909 min Scan# 1018

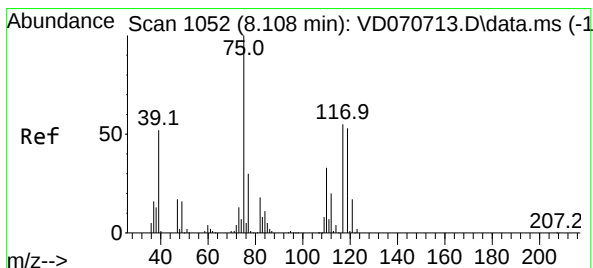
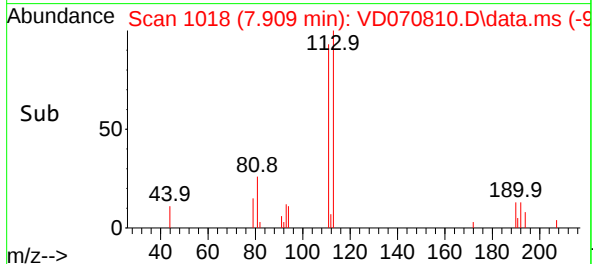
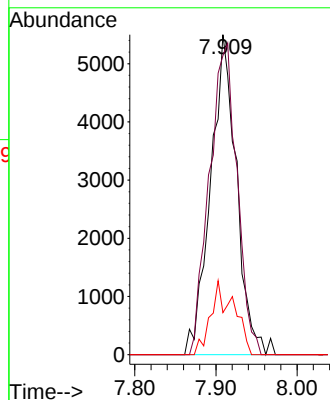
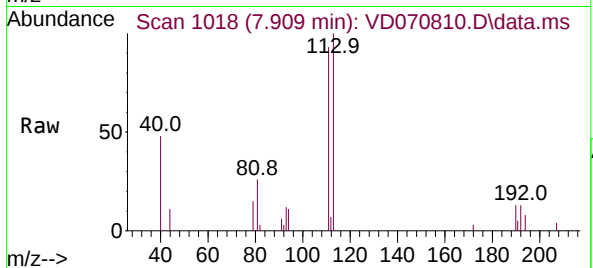
Delta R.T. 0.000 min

Lab File: VD070810.D

Acq: 21 Oct 2021 19:42

Tgt Ion:	113	Resp:	12261
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.1	124.7
192	20.6	12.7	19.1#

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.716 ug/l

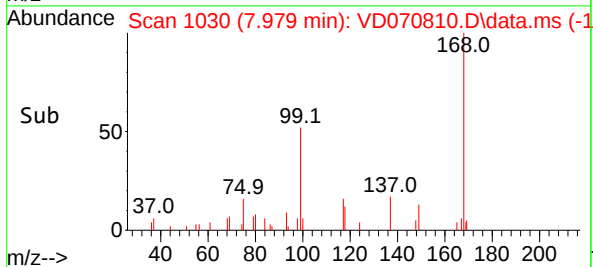
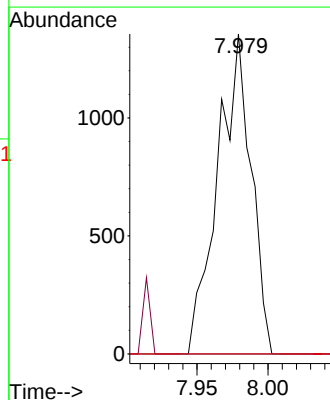
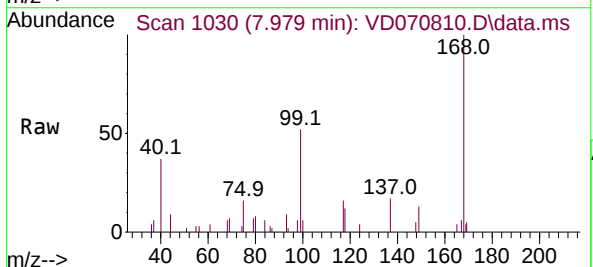
RT: 7.979 min Scan# 1030

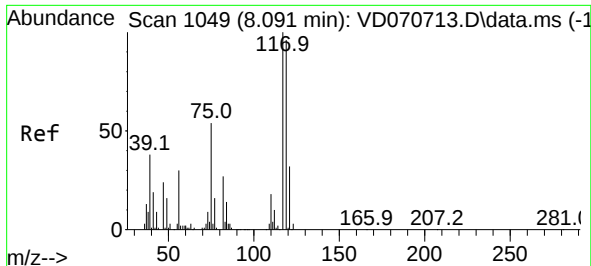
Delta R.T. -0.129 min

Lab File: VD070810.D

Acq: 21 Oct 2021 19:42

Tgt Ion:	75	Resp:	2216
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.2	51.6#
77	0.0	24.2	36.4#

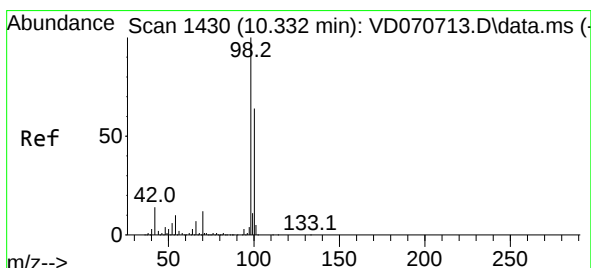
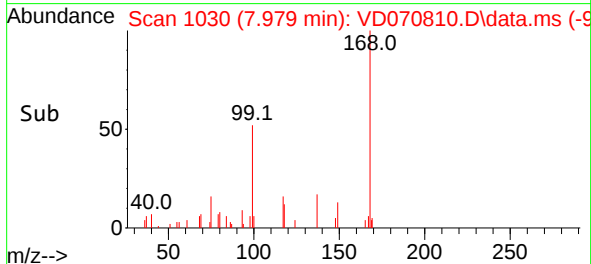
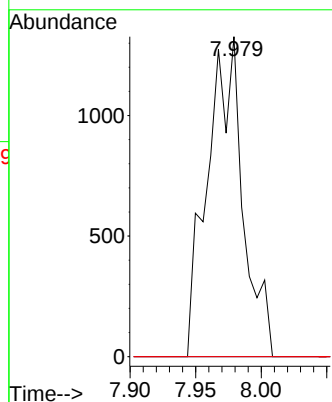
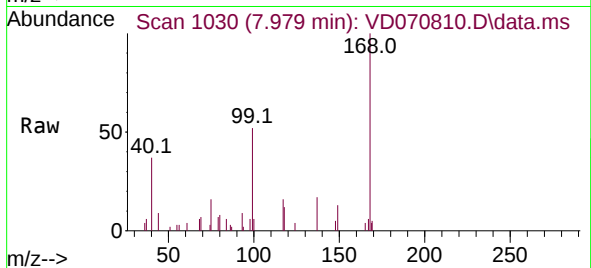




#38
Carbon Tetrachloride
Concen: 6.681 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

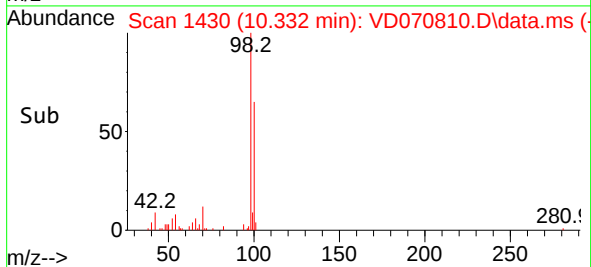
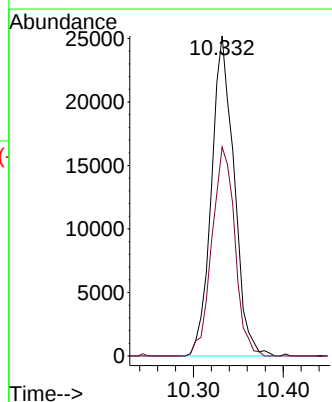
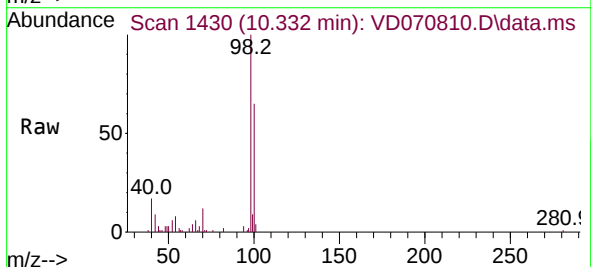
Instrument :
MSVOA_D
ClientSampleId :

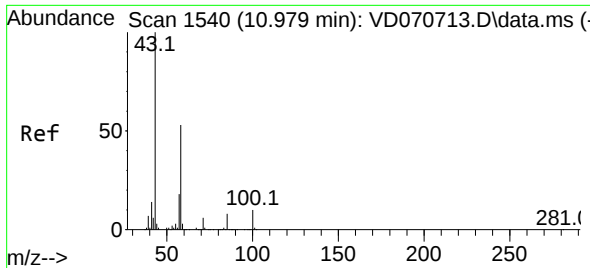
Tgt Ion:117 Resp: 2481
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 51.684 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Tgt Ion: 98 Resp: 44151
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4

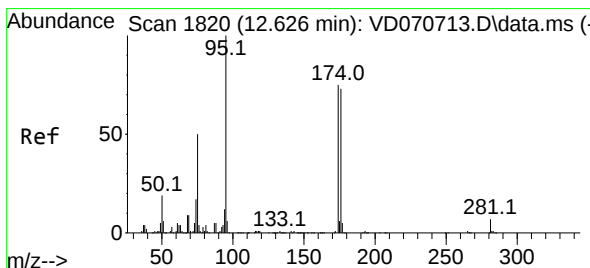
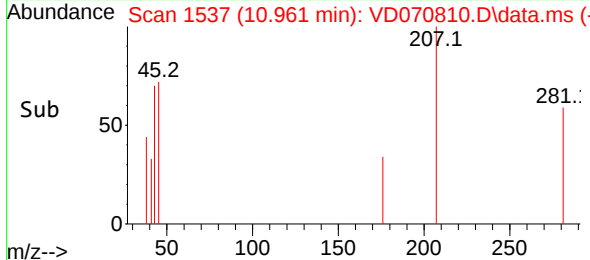
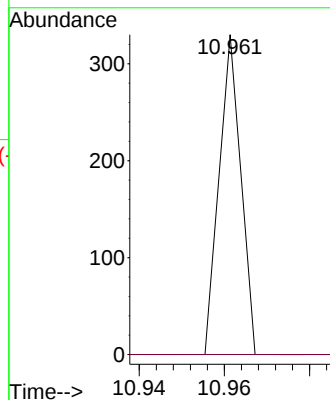
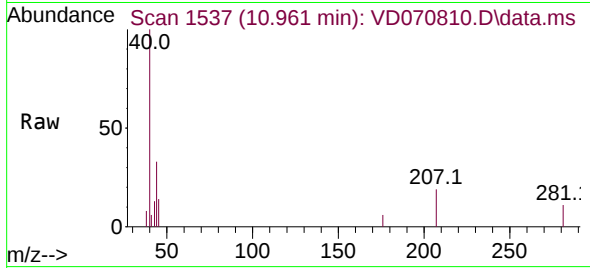




#59
2-Hexanone
Concen: 1.020 ug/l
RT: 10.961 min Scan# 1537
Delta R.T. -0.017 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

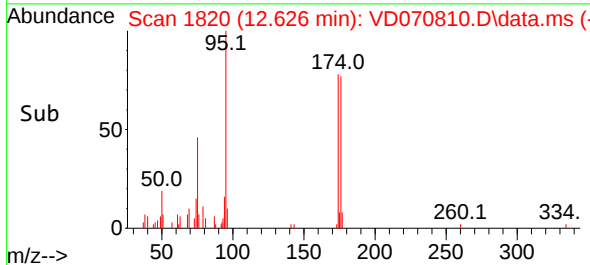
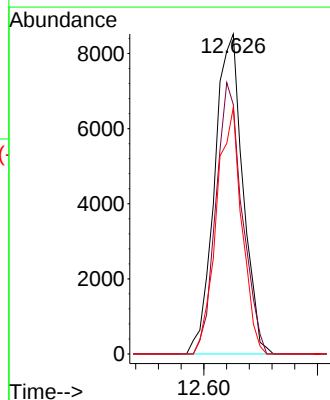
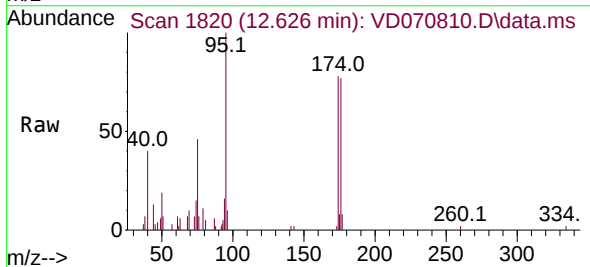
Instrument :
MSVOA_D
ClientSampleId :

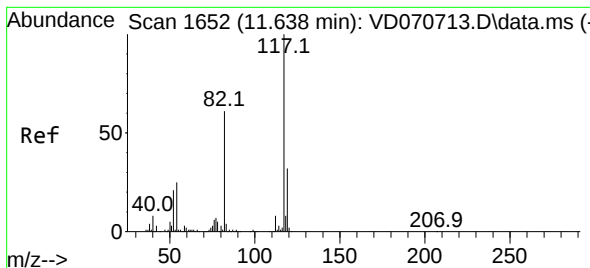
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 50.105 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Tgt Ion: 95 Resp: 14738
Ion Ratio Lower Upper
95 100
174 78.7 0.0 138.0
176 69.0 0.0 135.6

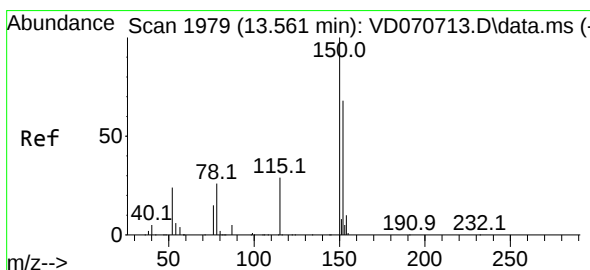
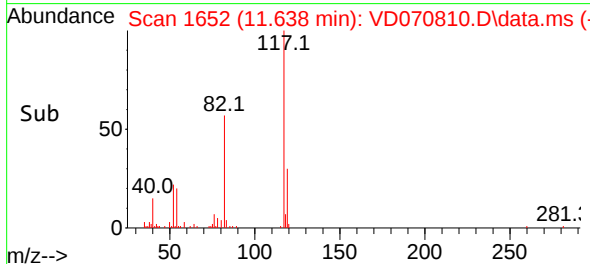
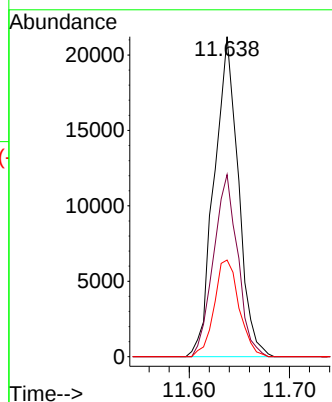
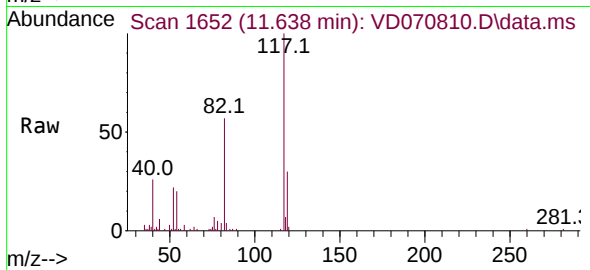




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

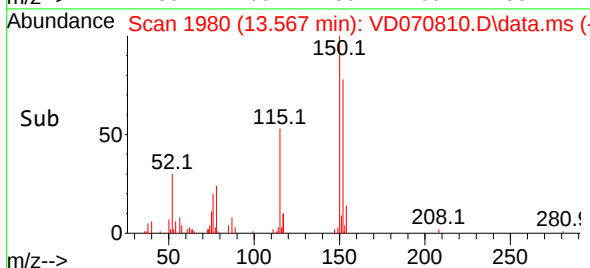
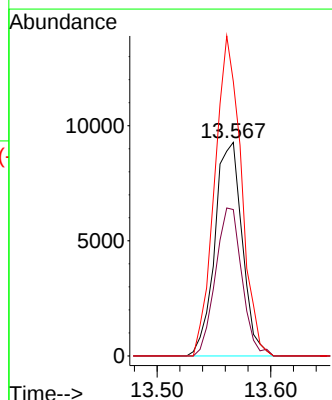
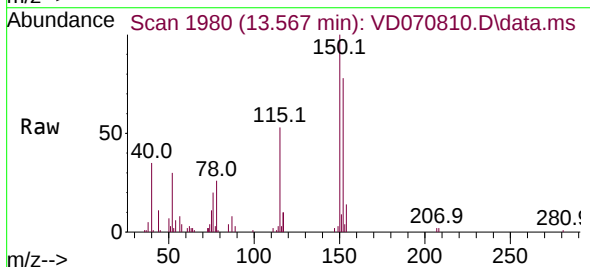
Instrument :
MSVOA_D
ClientSampleId :

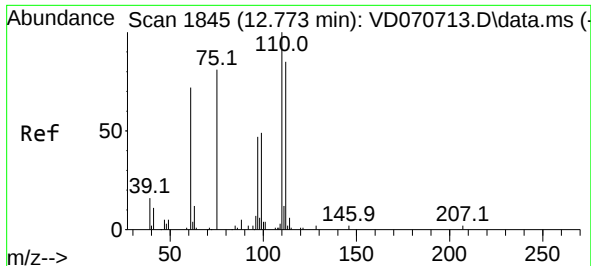
Tgt Ion:117	Resp:	35493
Ion	Ratio	Lower Upper
117	100	
82	56.9	45.4 68.2
119	30.2	24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Tgt Ion:152	Resp:	15563
Ion	Ratio	Lower Upper
152	100	
115	66.8	31.9 95.7
150	144.7	0.0 350.0

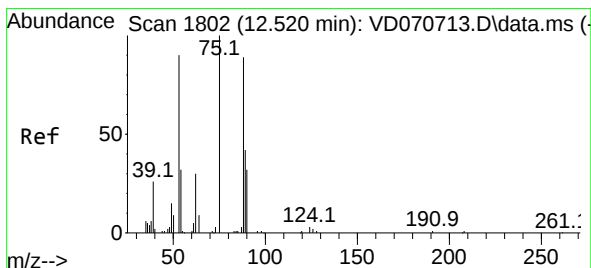
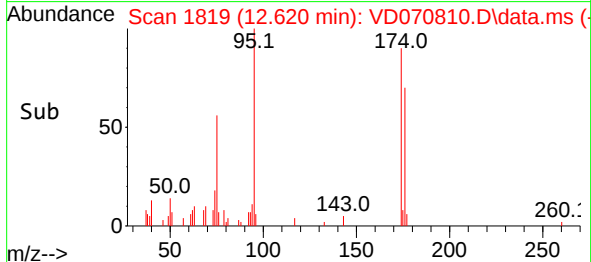
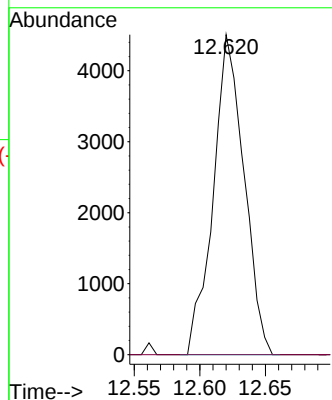
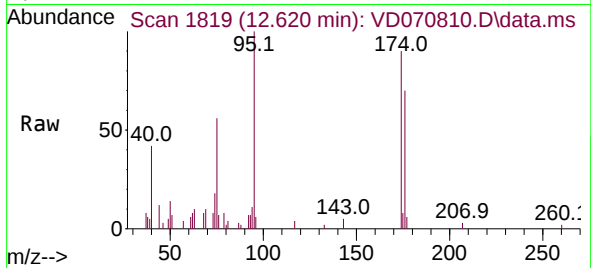




#76
1,2,3-Trichloropropane
Concen: 54.776 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

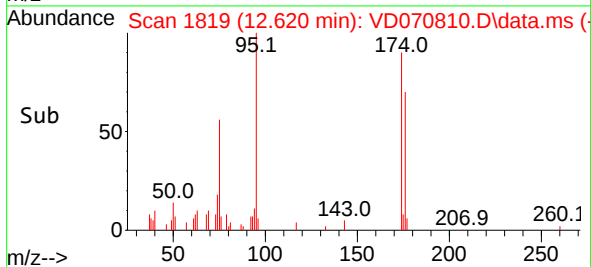
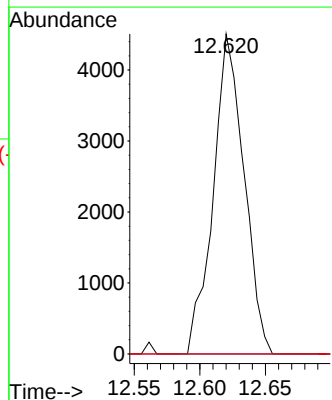
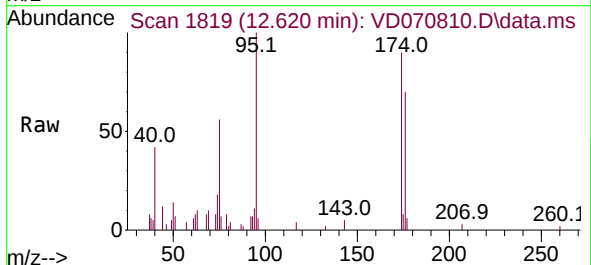
Instrument :
MSVOA_D
ClientSampleId :

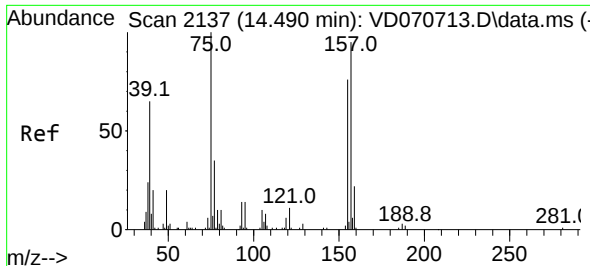
Tgt Ion: 75 Resp: 7365
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 119.975 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Tgt Ion: 75 Resp: 7365
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#

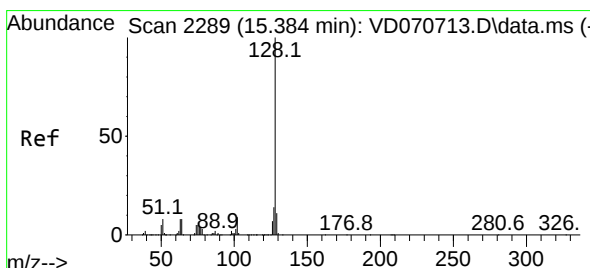
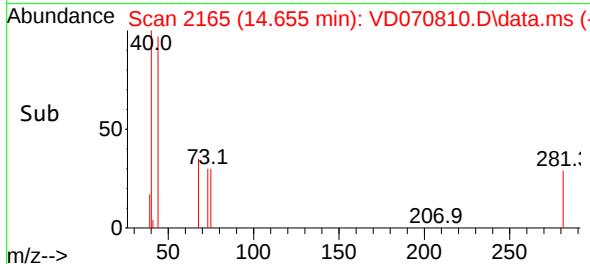
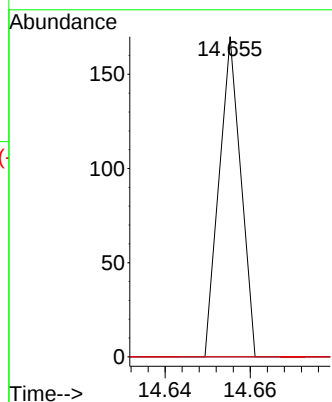
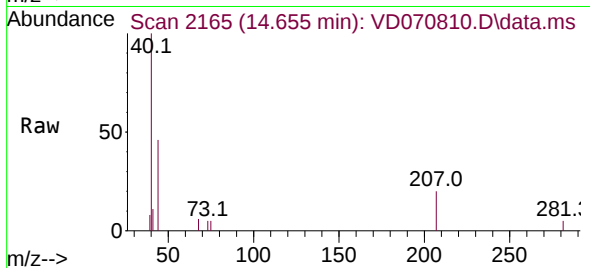




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.715 ug/l
RT: 14.655 min Scan# 2165
Delta R.T. 0.165 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.5#
157 0.0 47.6 142.9#



#95
Naphthalene
Concen: 4.909 ug/l
RT: 15.138 min Scan# 2247
Delta R.T. -0.246 min
Lab File: VD070810.D
Acq: 21 Oct 2021 19:42

Tgt Ion: 128 Resp: 65
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

