

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100421\
 Data File : VD070556.D
 Acq On : 04 Oct 2021 17:37
 Operator : VA/SY
 Sample : M4042-03
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-100121

Quant Time: Oct 05 05:01:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

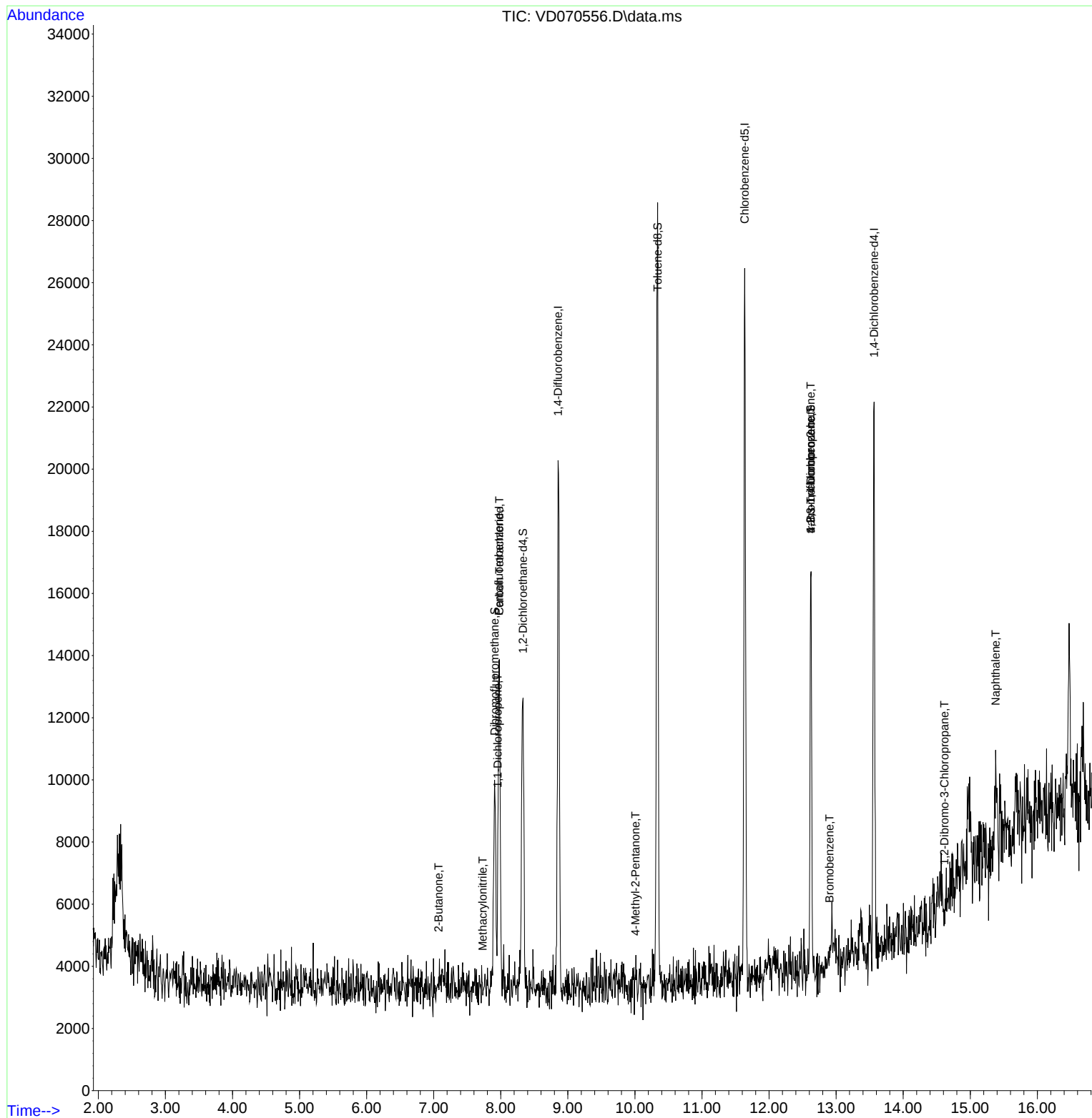
Internal Standards						
1) Pentafluorobenzene	7.973	168	8487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	14728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	14863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5424	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	8476	77.78	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 155.56%			
35) Dibromofluoromethane	7.908	113	5413	51.63	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.26%			
50) Toluene-d8	10.338	98	20044	52.66	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.32%			
62) 4-Bromofluorobenzene	12.620	95	5244	39.42	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 78.84%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	346	Below Cal		91
5) Bromomethane	2.773	94	71	Below Cal	#	4
6) Chloroethane	2.926	64	67	Below Cal	#	43
25) 2-Butanone	7.073	43	54	2.09	ug/l #	47
36) 1,1-Dichloropropene	7.955	75	925	5.88	ug/l #	41
38) Carbon Tetrachloride	7.979	117	1118	7.18	ug/l #	12
41) Methacrylonitrile	7.732	41	61	1.97	ug/l #	16
51) 4-Methyl-2-Pentanone	10.008	43	61	1.08	ug/l #	32
76) 1,2,3-Trichloropropane	12.620	75	2565	46.75	ug/l #	1
77) Bromobenzene	12.902	156	451	5.14	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	2565	117.14	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.614	75	115	9.43	ug/l #	5
95) Naphthalene	15.379	128	2942	18.60	ug/l #	86

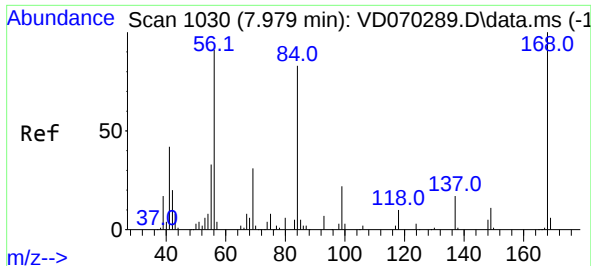
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100421\
Data File : VD070556.D
Acq On : 04 Oct 2021 17:37
Operator : VA/SY
Sample : M4042-03
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

Quant Time: Oct 05 05:01:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

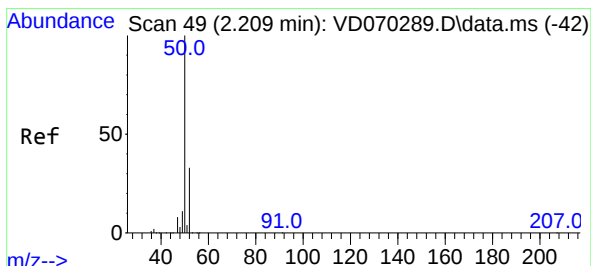
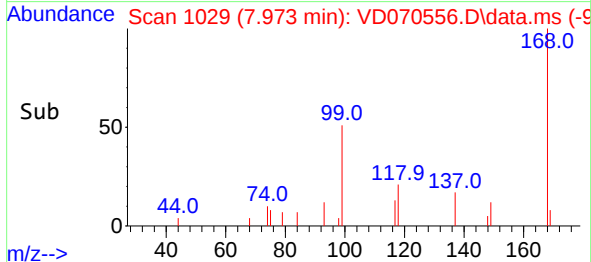
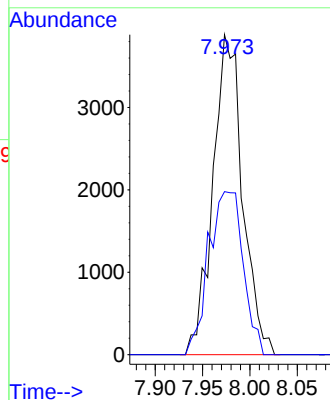
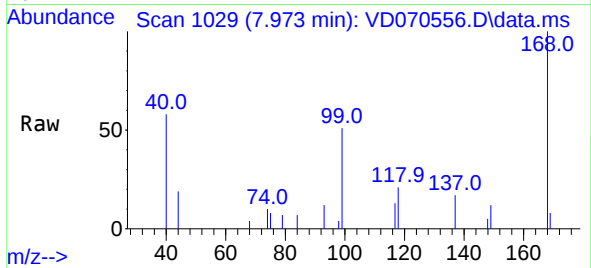




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

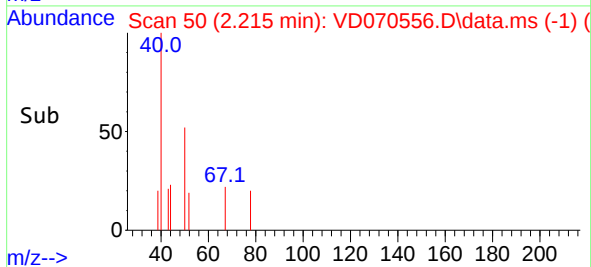
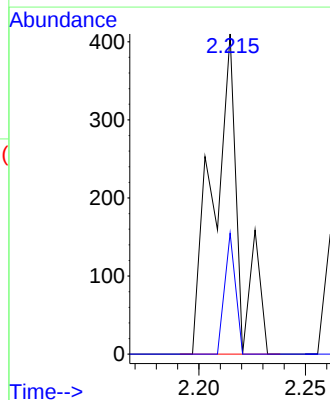
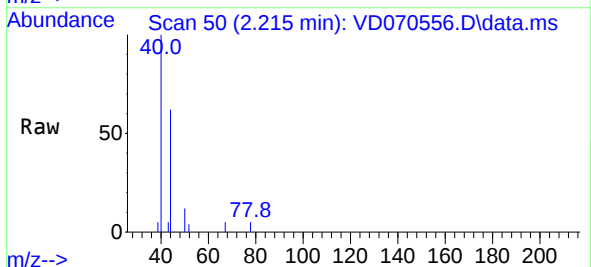
Instrument :
MSVOA_D
ClientSampled :
EO-02-100121

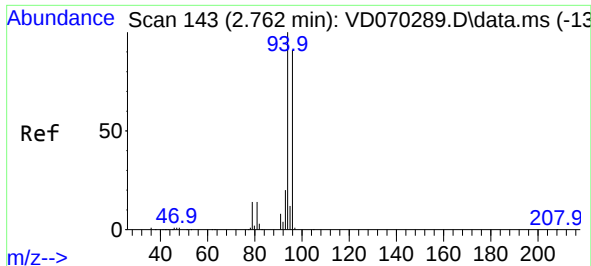
Tgt Ion:168 Resp: 8487
Ion Ratio Lower Upper
168 100
99 50.9 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion: 50 Resp: 346
Ion Ratio Lower Upper
50 100
52 37.8 26.2 39.2

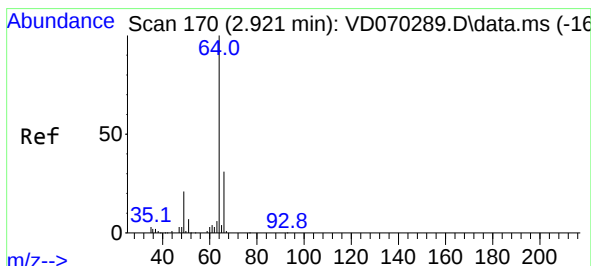
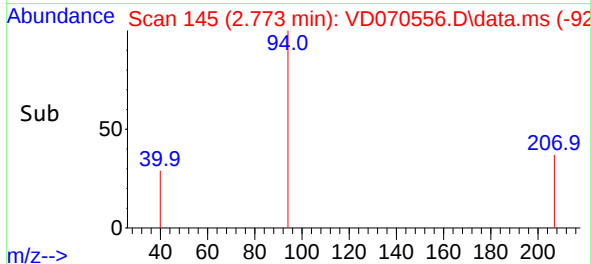
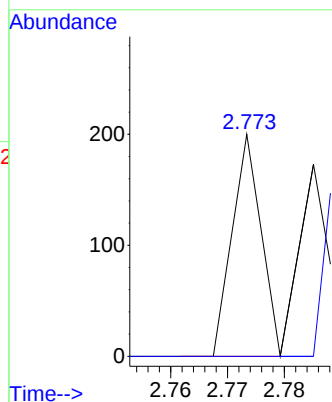
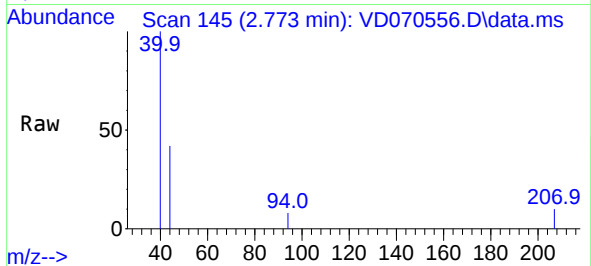




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

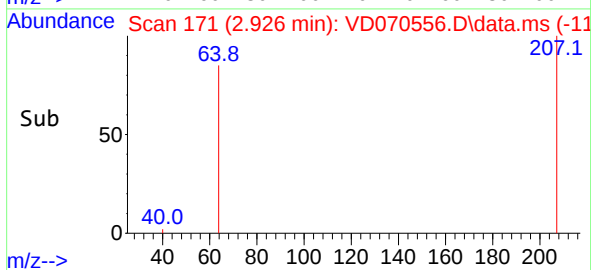
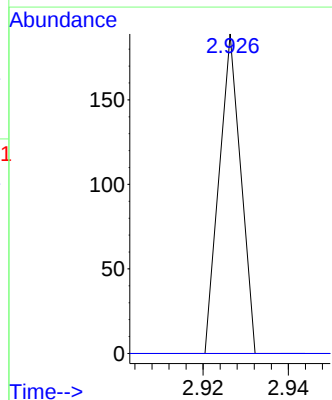
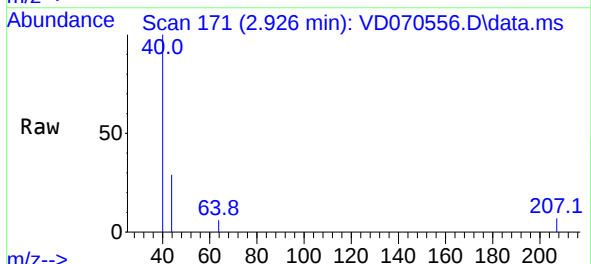
Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

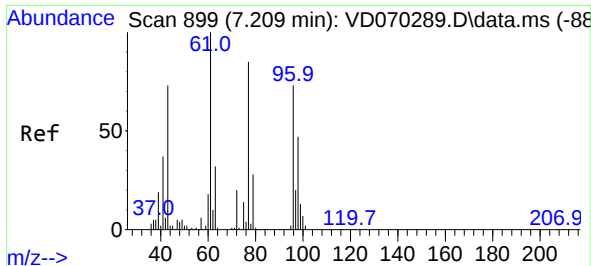
Tgt Ion: 94 Resp: 71
Ion Ratio Lower Upper
94 100
96 0.0 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion: 64 Resp: 67
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

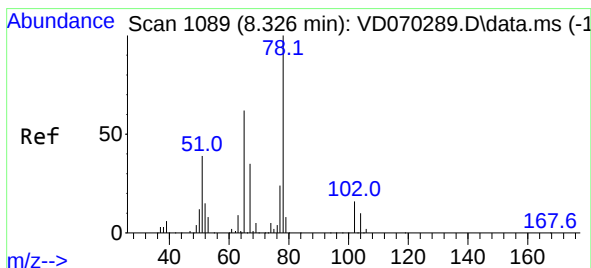
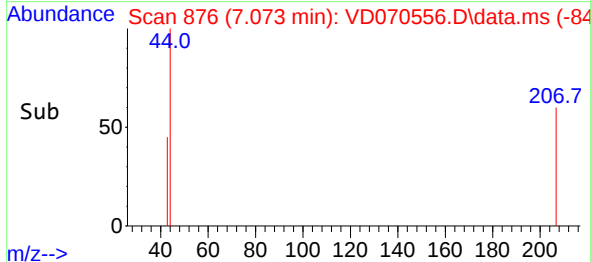
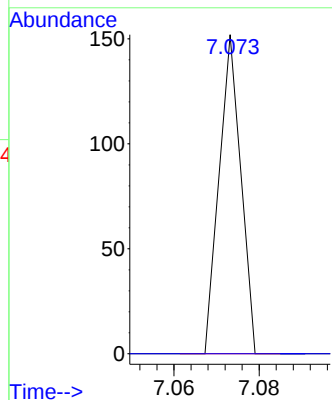
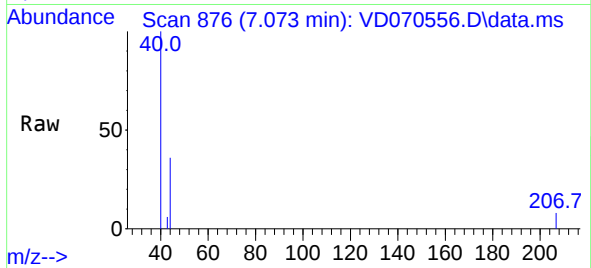




#25
2-Butanone
Concen: 2.09 ug/l
RT: 7.073 min Scan# 876
Delta R.T. -0.135 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

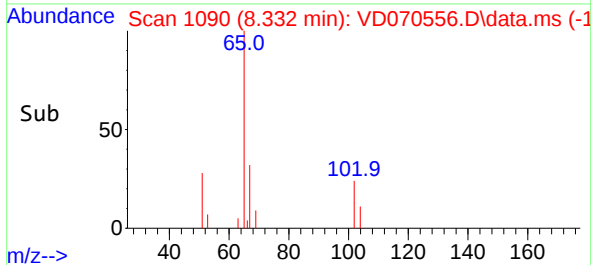
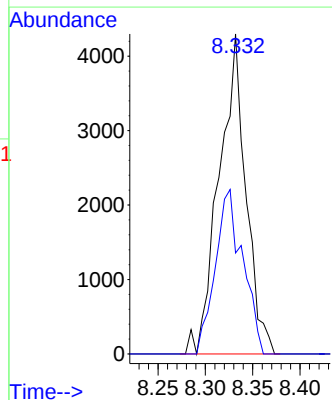
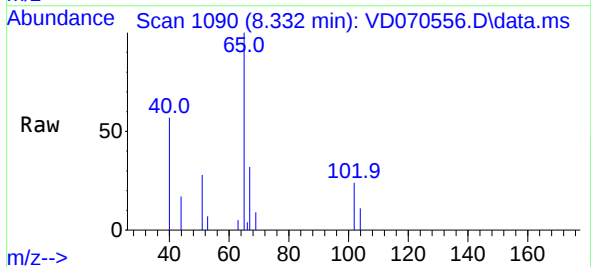
Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

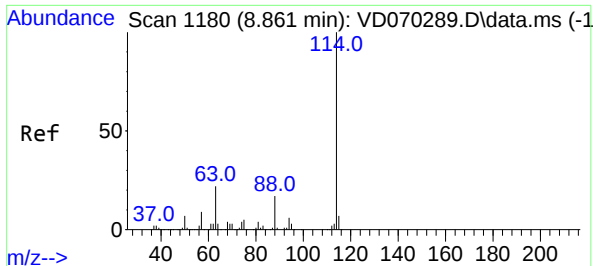
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#



#33
1,2-Dichloroethane-d4
Concen: 77.78 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion: 65 Resp: 8476
Ion Ratio Lower Upper
65 100
67 52.6 0.0 111.4



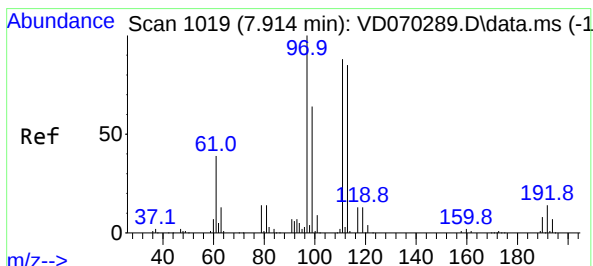
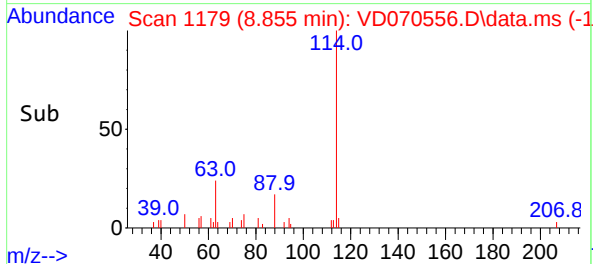
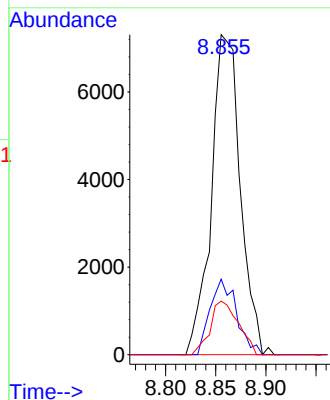
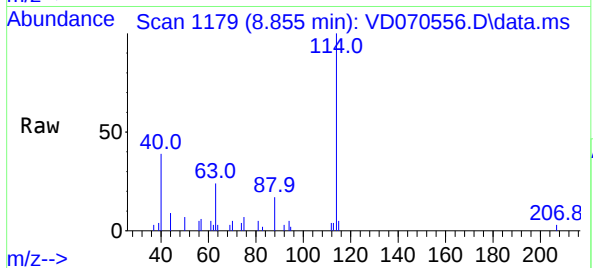


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Instrument :
MSVOA_D
ClientSampled :
EO-02-100121

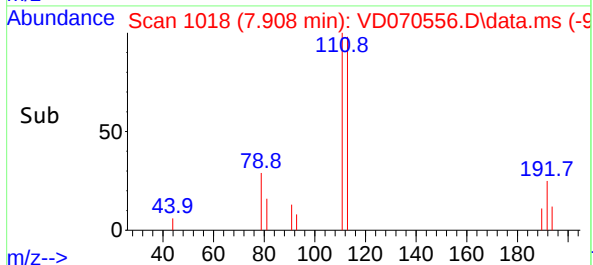
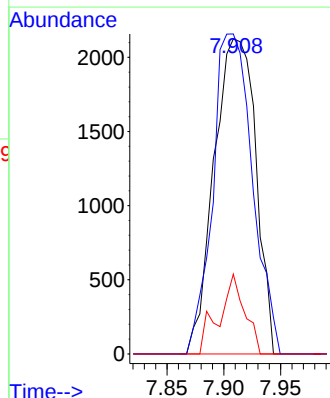
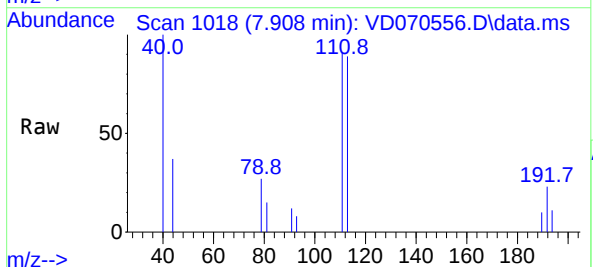
Tgt Ion:	114	Resp:	14728
Ion Ratio	Lower	Upper	
114	100		
63	23.6	0.0	43.4
88	16.8	0.0	33.4

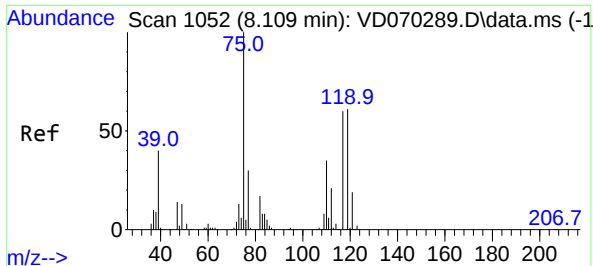


#35

Dibromofluoromethane
Concen: 51.63 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion:	113	Resp:	5413
Ion Ratio	Lower	Upper	
113	100		
111	96.7	81.4	122.2
192	15.6	13.0	19.6



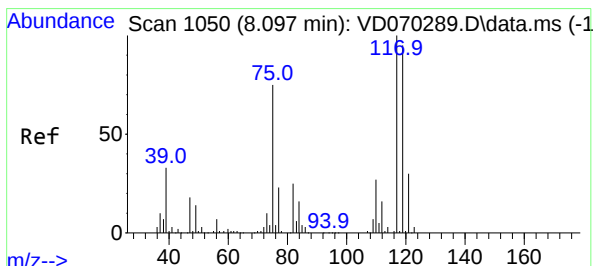
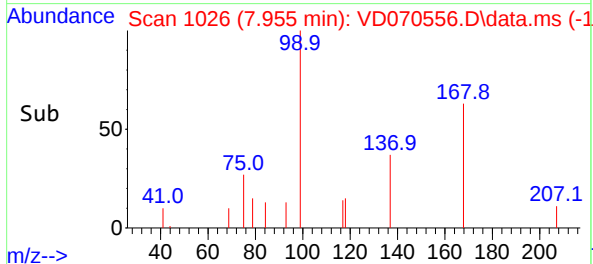
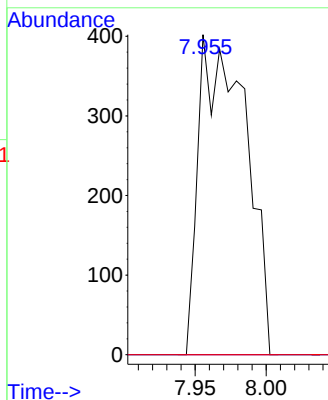
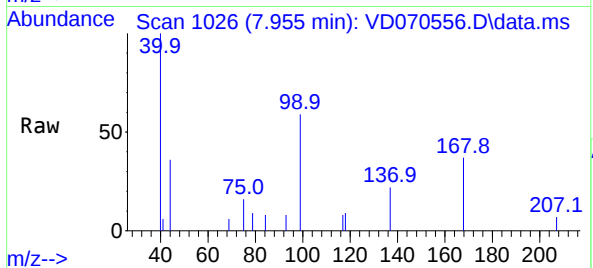


#36

1,1-Dichloropropene
Concen: 5.88 ug/l
RT: 7.955 min Scan# 1026
Delta R.T. -0.153 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

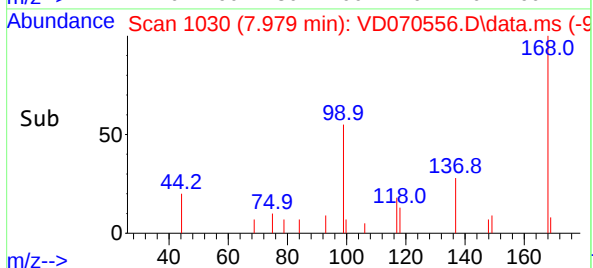
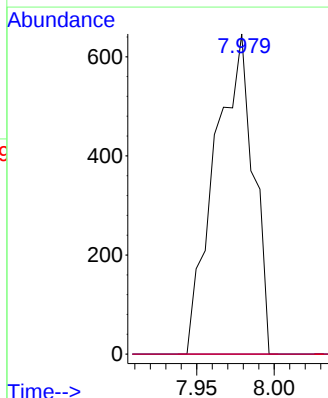
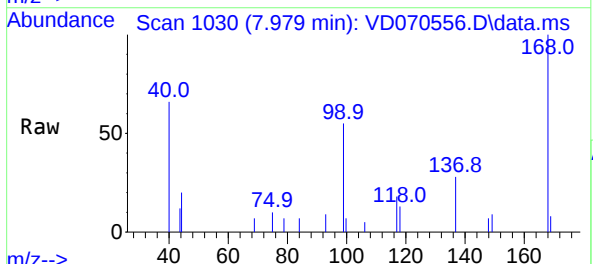
Tgt Ion:	75	Resp:	925
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.7#
77	0.0	25.3	37.9#

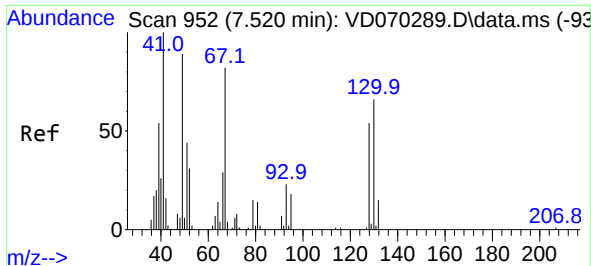


#38

Carbon Tetrachloride
Concen: 7.18 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion:	117	Resp:	1118
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.1	114.1#
121	0.0	23.8	35.6#

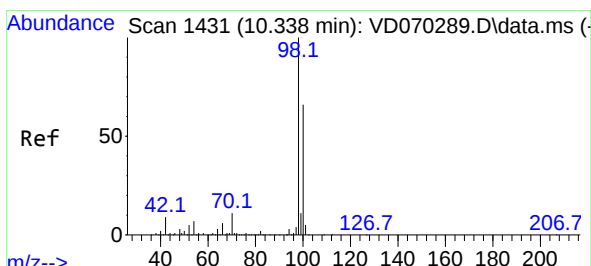
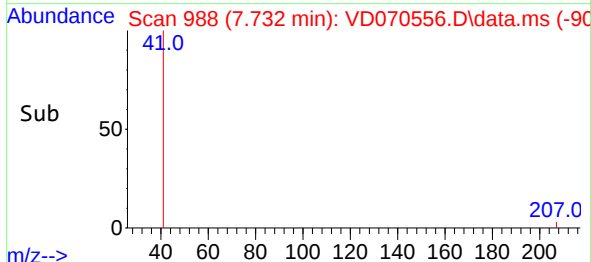
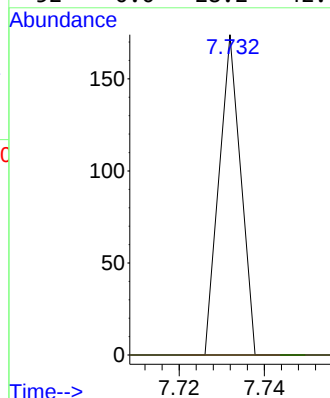
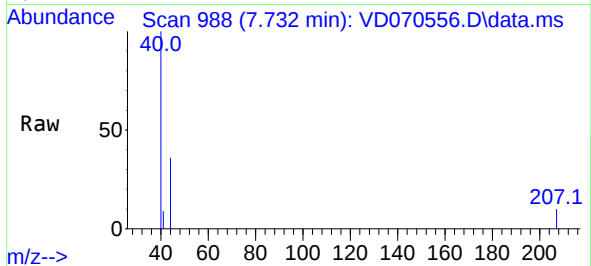




#41
Methacrylonitrile
Concen: 1.97 ug/l
RT: 7.732 min Scan# 988
Delta R.T. 0.212 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

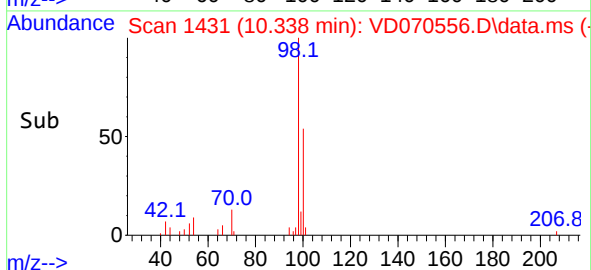
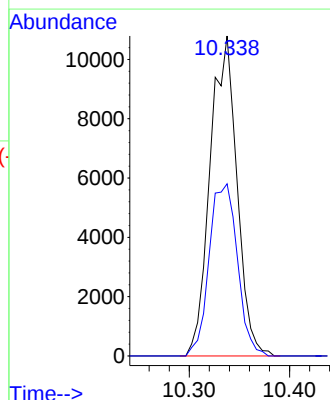
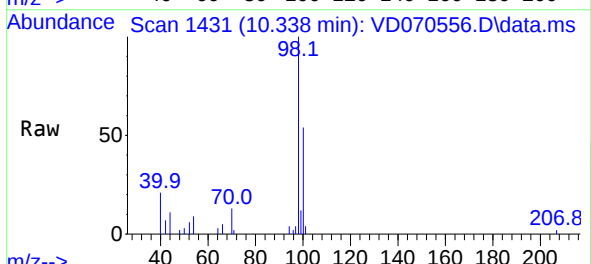
Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

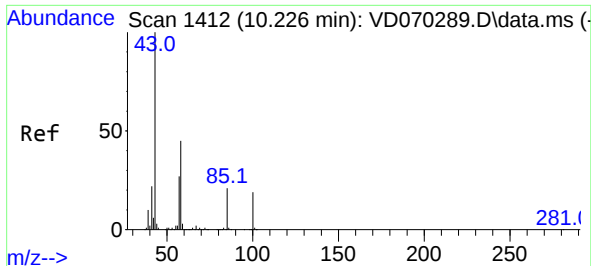
Tgt Ion:	41	Resp:	61
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.7	68.5#
67	0.0	74.0	111.0#
52	0.0	28.2	42.4#



#50
Toluene-d8
Concen: 52.66 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion:	98	Resp:	20044
Ion	Ratio	Lower	Upper
98	100		
100	56.5	52.0	78.0

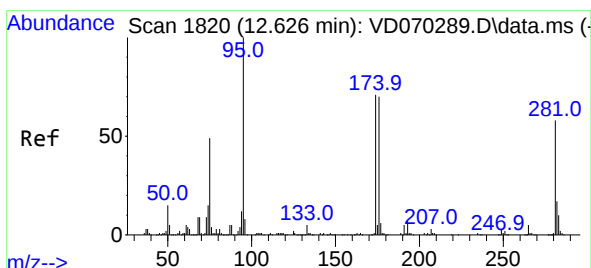
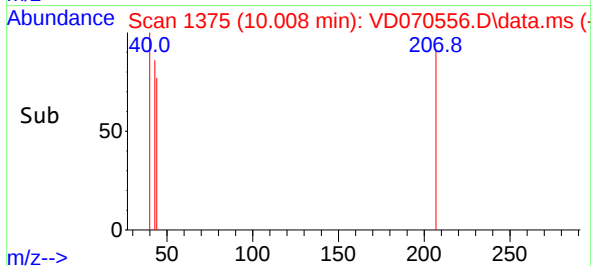
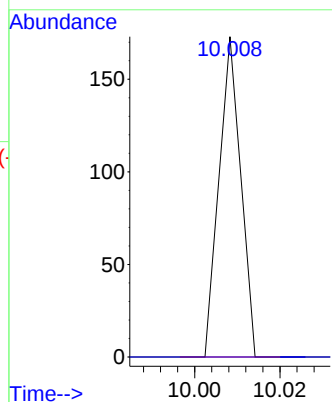
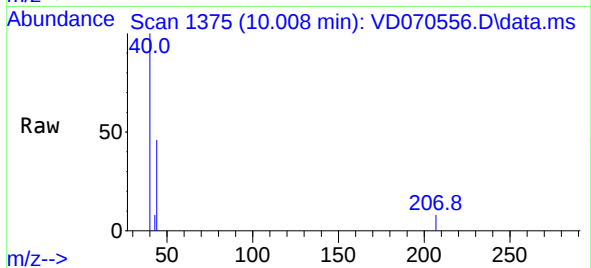




#51
4-Methyl-2-Pentanone
Concen: 1.08 ug/l
RT: 10.008 min Scan# 1375
Delta R.T. -0.218 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

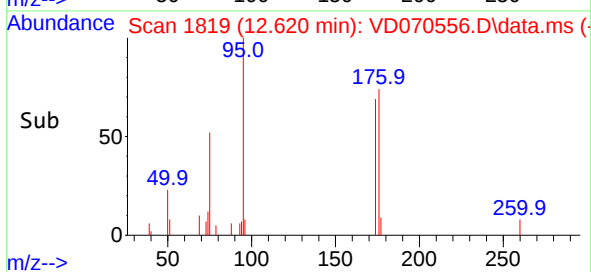
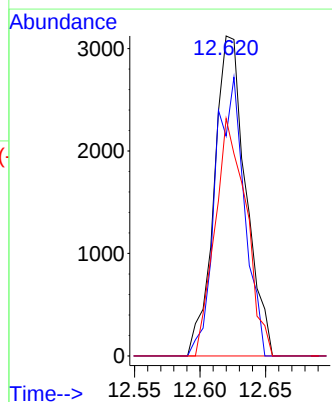
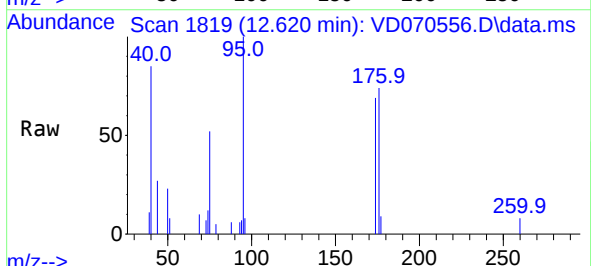
Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

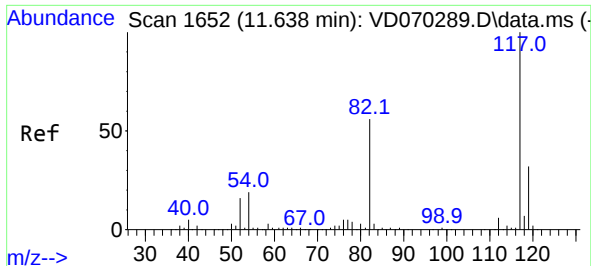
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 39.42 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion: 95 Resp: 5244
Ion Ratio Lower Upper
95 100
174 80.1 0.0 140.6
176 73.2 0.0 137.4

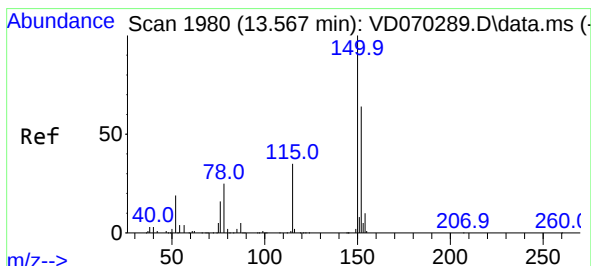
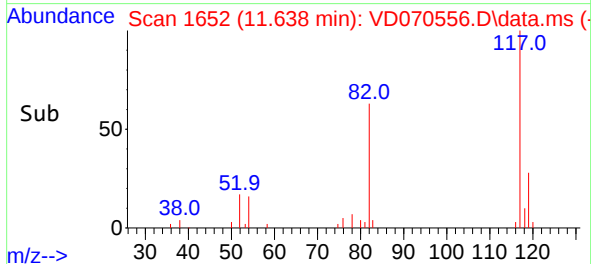
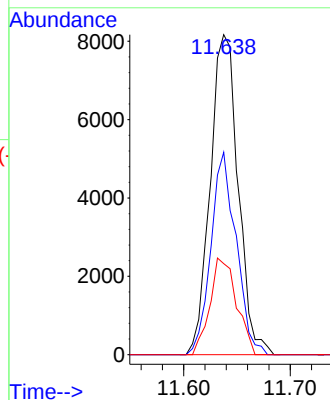
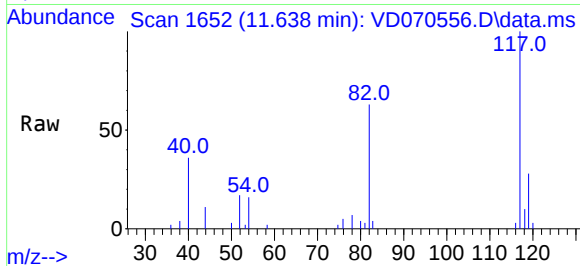




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

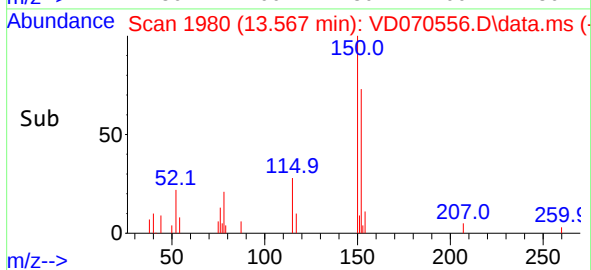
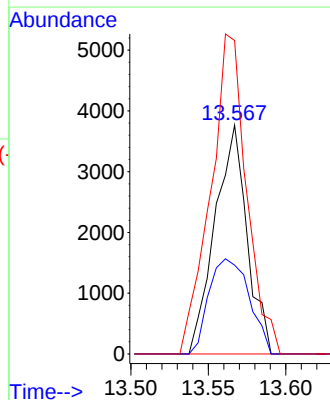
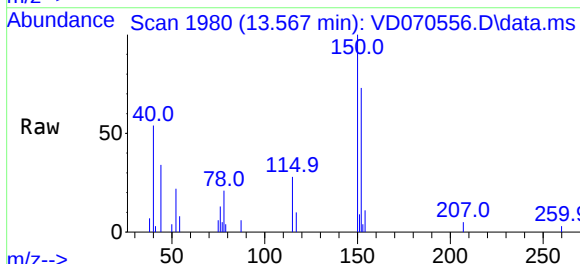
Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

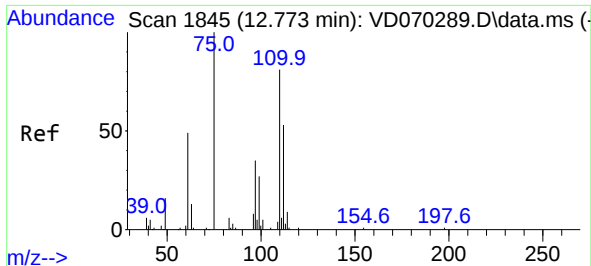
Tgt Ion:	117	Resp:	14863
Ion	Ratio	Lower	Upper
117	100		
82	63.3	45.0	67.4
119	28.5	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion:	152	Resp:	5424
Ion	Ratio	Lower	Upper
152	100		
115	52.2	32.1	96.3
150	157.2	0.0	350.6

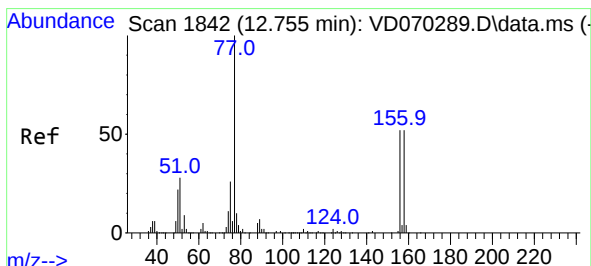
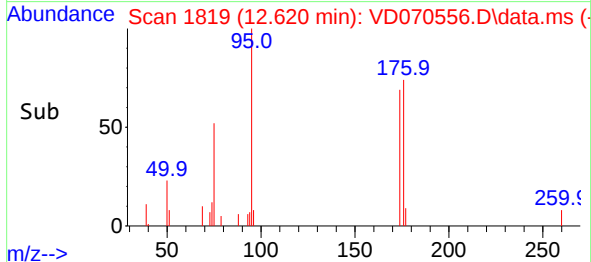
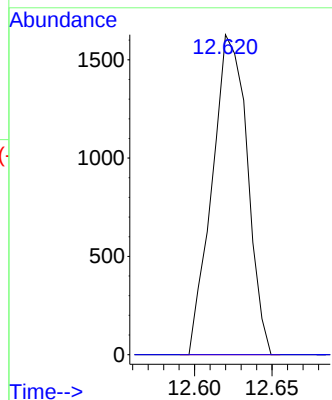
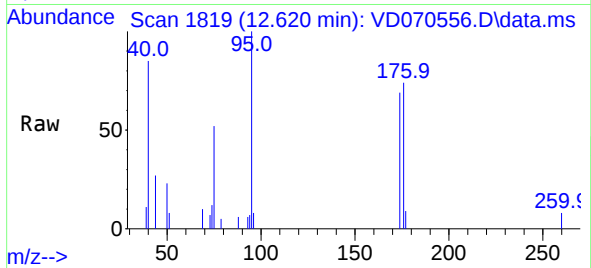




#76
1,2,3-Trichloropropane
Concen: 46.75 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

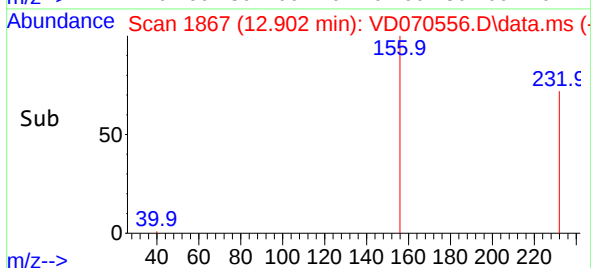
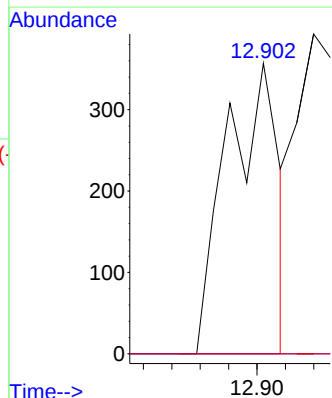
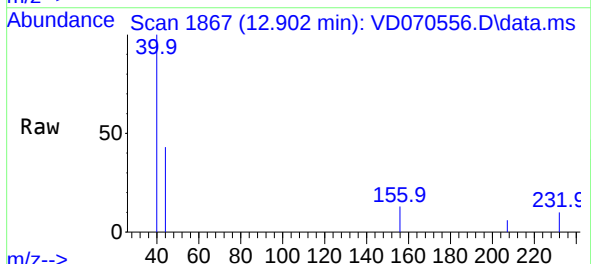
Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

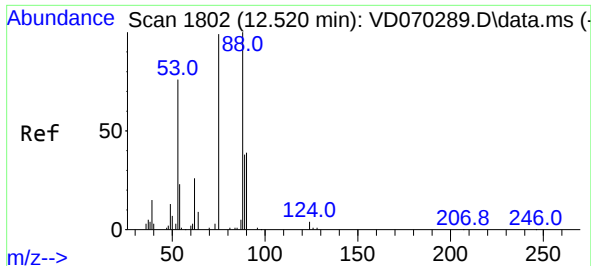
Tgt Ion: 75 Resp: 2565
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#77
Bromobenzene
Concen: 5.14 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. 0.147 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion:156 Resp: 451
Ion Ratio Lower Upper
156 100
77 0.0 104.3 312.8#
158 0.0 49.4 148.0#

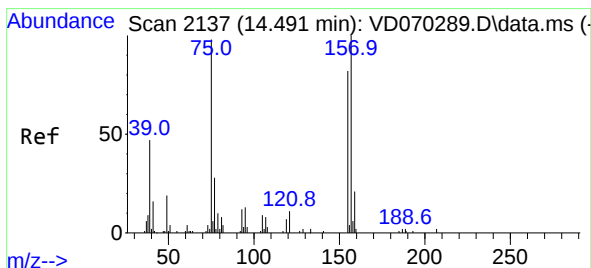
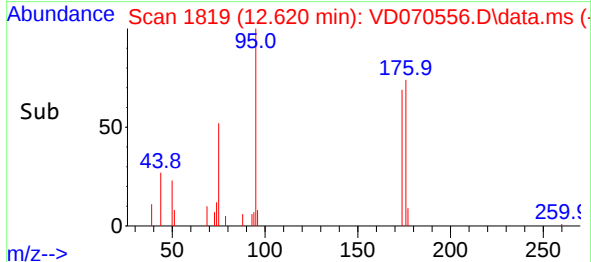
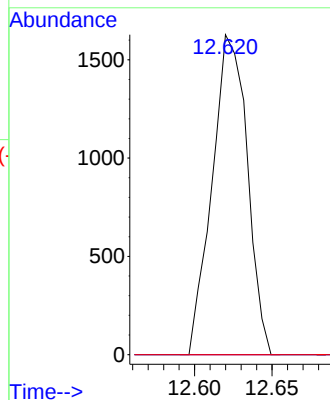
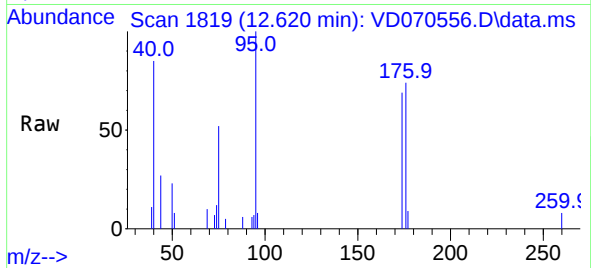




#81
trans-1,4-Dichloro-2-butene
Concen: 117.14 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

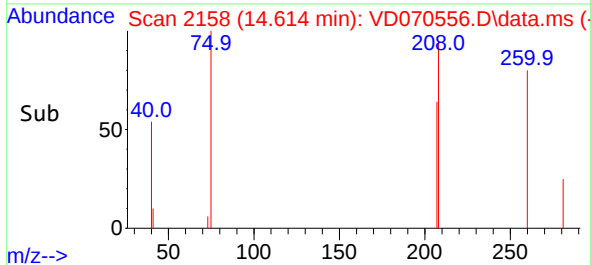
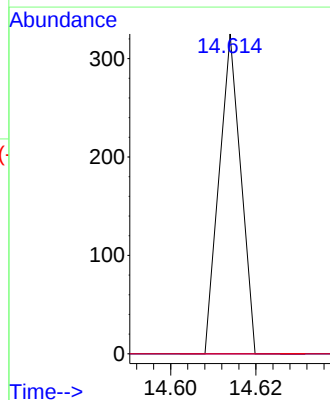
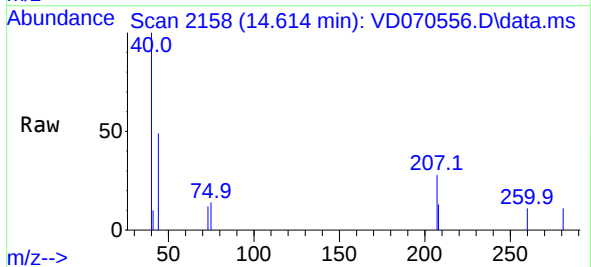
Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

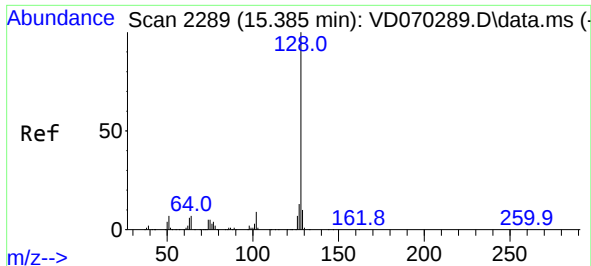
Tgt Ion:	75	Resp:	2565
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.2	96.2#
89	0.0	35.6	53.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 9.43 ug/l
RT: 14.614 min Scan# 2158
Delta R.T. 0.123 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Tgt Ion:	75	Resp:	115
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.3	120.9#
157	0.0	48.9	146.6#





#95
Naphthalene
Concen: 18.60 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070556.D
Acq: 04 Oct 2021 17:37

Instrument :
MSVOA_D
ClientSampleId :
EO-02-100121

Tgt Ion:	128	Resp:	2942
Ion	Ratio	Lower	Upper
128	100		
127	8.8	10.5	15.7#
129	4.4	9.0	13.4#

