

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011321\
 Data File : VD068065.D
 Acq On : 13 Jan 2021 12:28
 Operator : VA/SY
 Sample : M1056-01
 Misc : 4.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-010821

Quant Time: Jan 13 12:48:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 13 03:57:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	15857	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	22267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	21981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	9355	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	9612	71.29	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	142.58%
35) Dibromofluoromethane	7.914	113	6963	54.86	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.72%
50) Toluene-d8	10.344	98	23884	51.06	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.12%
62) 4-Bromofluorobenzene	12.638	95	7600	46.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.76%

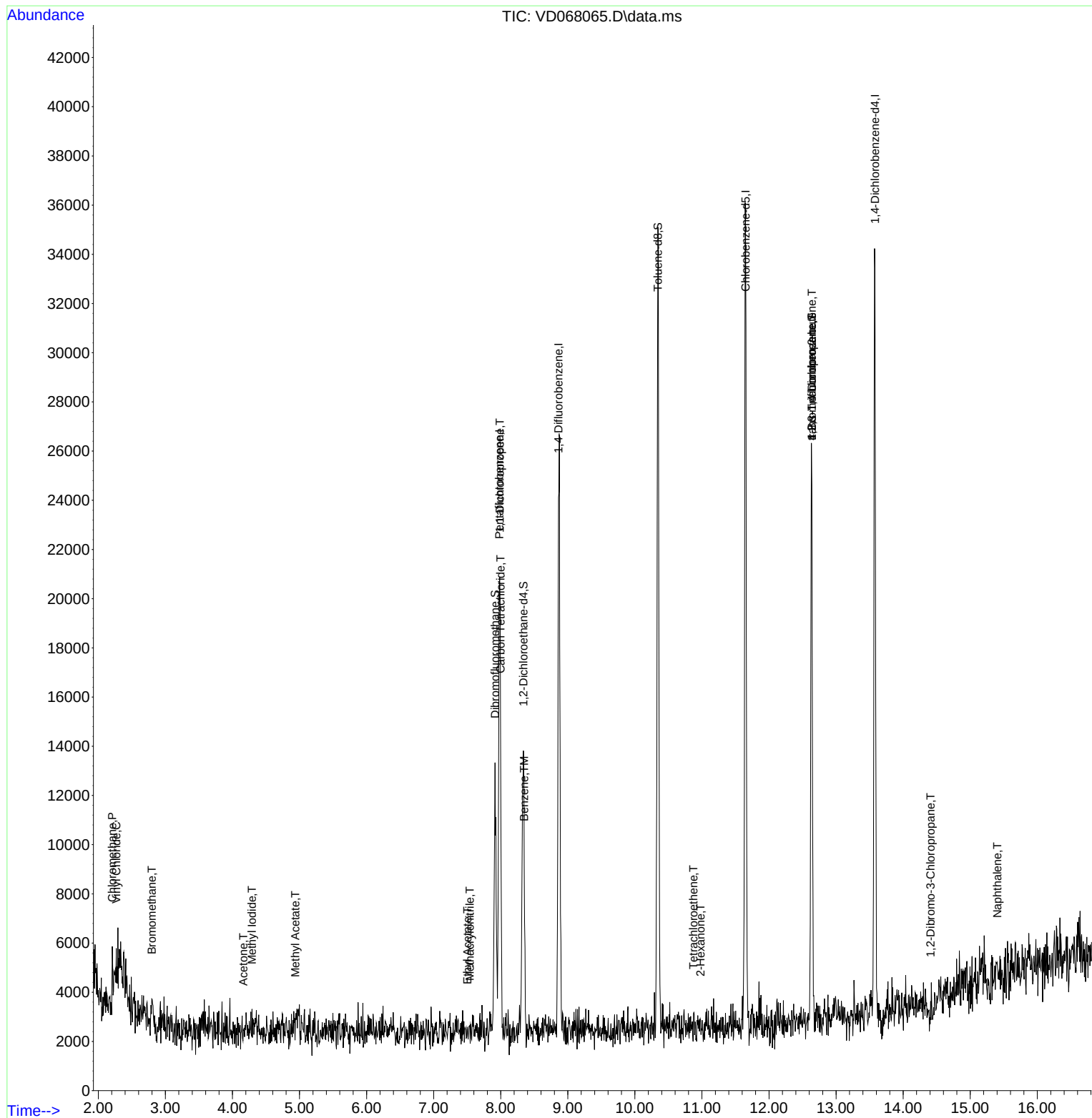
Target Compounds						Qvalue
3) Chloromethane	2.209	50	385	2.96	ug/l	# 38
4) Vinyl Chloride	2.268	62	173	1.22	ug/l	# 43
5) Bromomethane	2.797	94	804	7.27	ug/l	# 69
10) Methyl Iodide	4.291	142	164	1.05	ug/l	# 38
16) Acetone	4.162	43	58	2.71	ug/l	# 44
18) Methyl Acetate	4.938	43	91	1.63	ug/l	# 43
36) 1,1-Dichloropropene	7.985	75	1412	7.22	ug/l	# 39
37) Ethyl Acetate	7.503	43	161	2.69	ug/l	# 64
38) Carbon Tetrachloride	7.997	117	1579	6.77	ug/l	# 12
40) Benzene	8.350	78	681	1.24	ug/l	# 54
41) Methacrylonitrile	7.538	41	68	2.02	ug/l	# 19
59) 2-Hexanone	10.979	43	83	2.12	ug/l	# 19
64) Tetrachloroethene	10.873	164	237	1.52	ug/l	# 26
76) 1,2,3-Trichloropropane	12.638	75	4043	54.55	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.638	75	4043	122.39	ug/l	# 13
92) 1,2-Dibromo-3-Chloropr...	14.408	75	55	3.38	ug/l	# 1
95) Naphthalene	15.402	128	512	1.76	ug/l	# 69

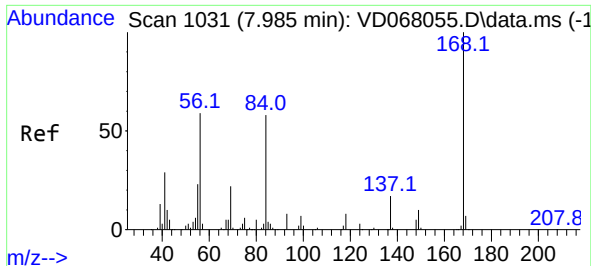
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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CL-01-010821

Quant Time: Jan 13 12:48:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011221S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 13 03:57:57 2021
Response via : Initial Calibration

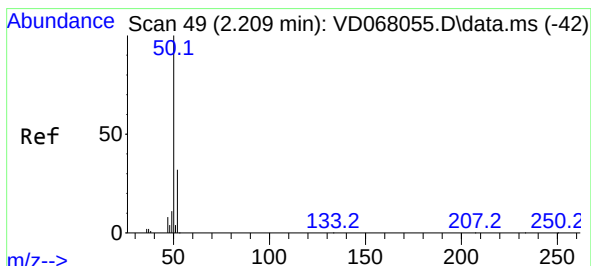
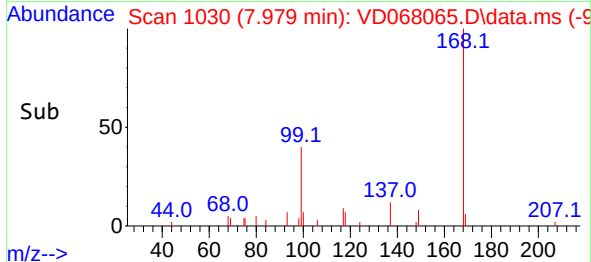
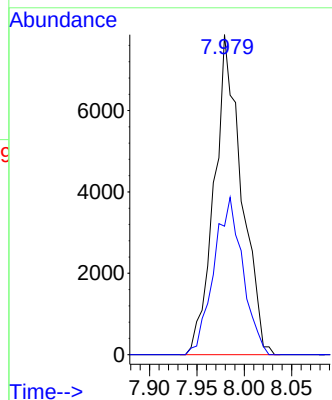
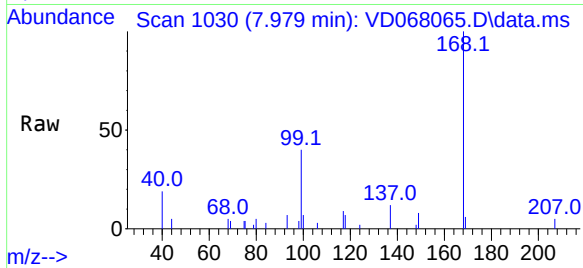




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

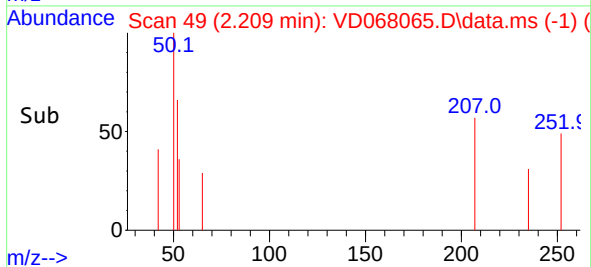
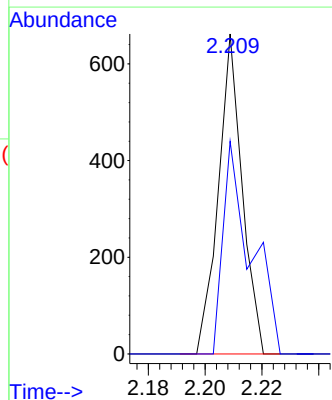
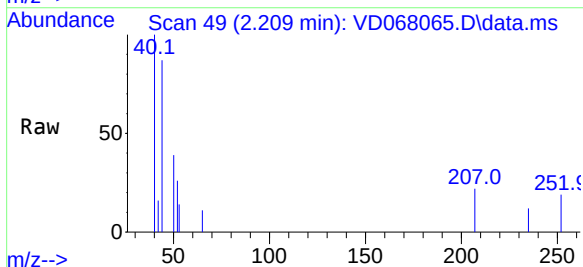
Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821

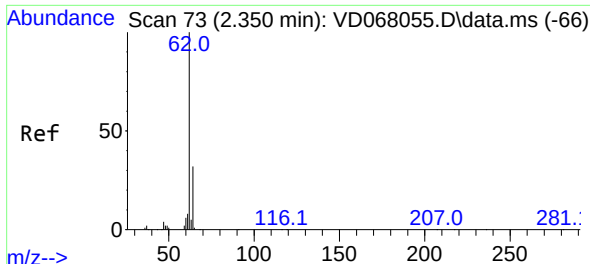
Tgt Ion:168 Resp: 15857
Ion Ratio Lower Upper
168 100
99 40.2 43.5 65.3#



#3
Chloromethane
Concen: 2.96 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion: 50 Resp: 385
Ion Ratio Lower Upper
50 100
52 66.5 25.4 38.2#

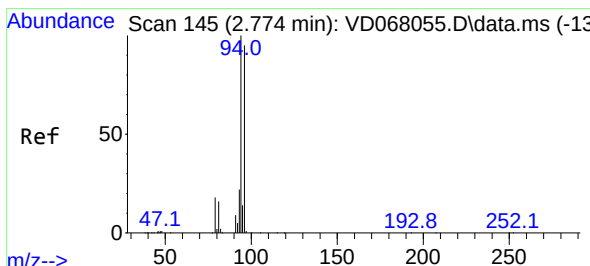
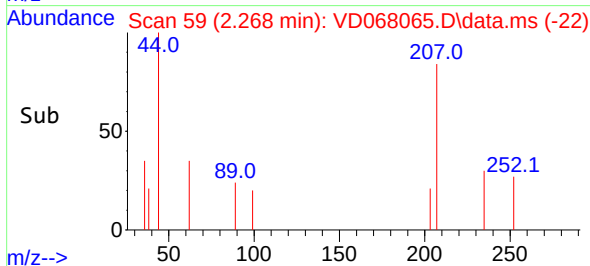
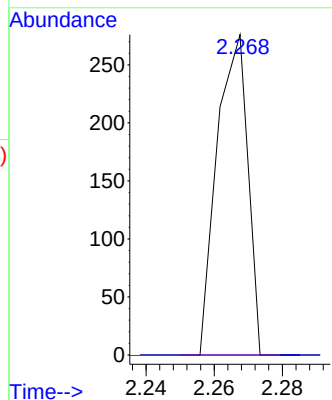
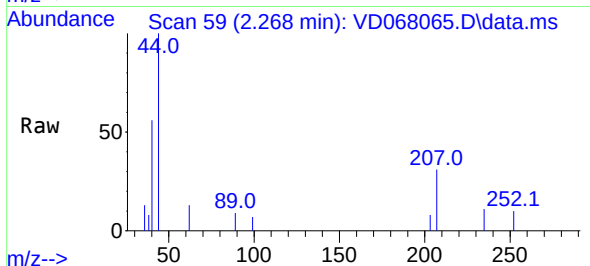




#4
Vinyl Chloride
Concen: 1.22 ug/l
RT: 2.268 min Scan# 59
Delta R.T. -0.082 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

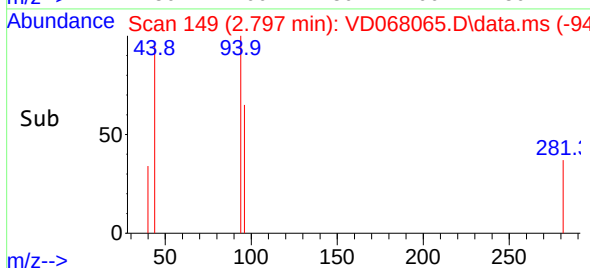
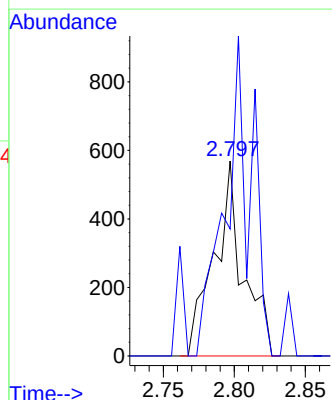
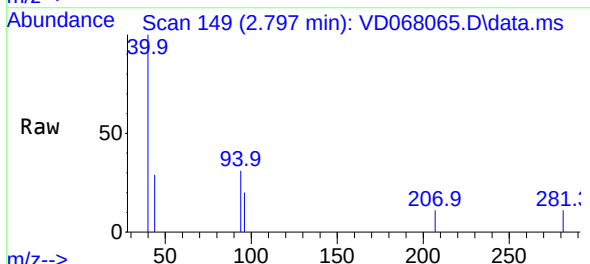
Instrument :
MSVOA_D
ClientSampled :
CL-01-010821

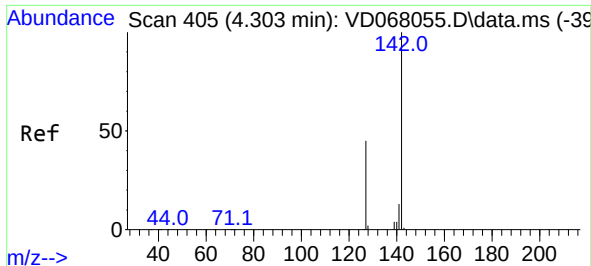
Tgt Ion: 62 Resp: 173
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.2#



#5
Bromomethane
Concen: 7.27 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.023 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion: 94 Resp: 804
Ion Ratio Lower Upper
94 100
96 65.2 75.8 113.8#

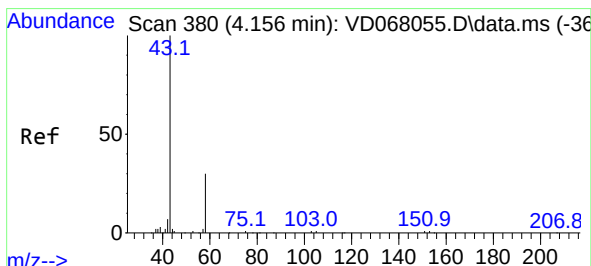
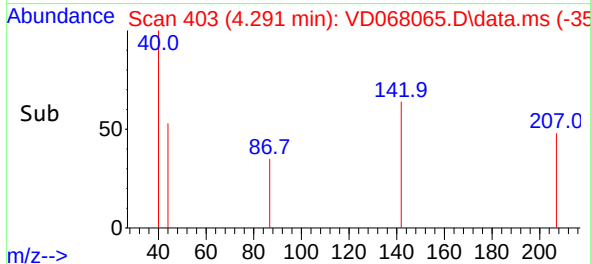
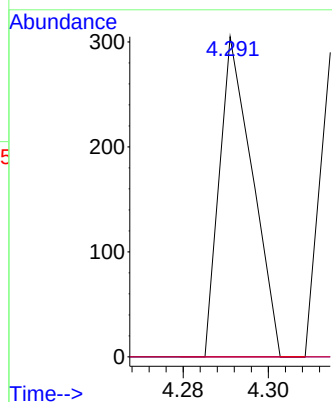
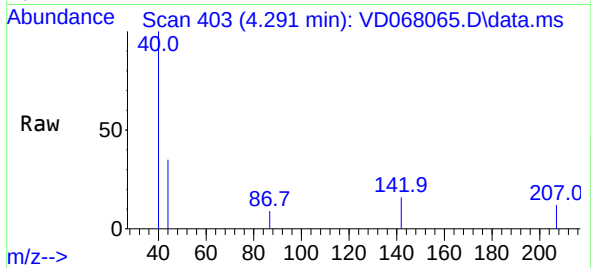




#10
Methyl Iodide
Concen: 1.05 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

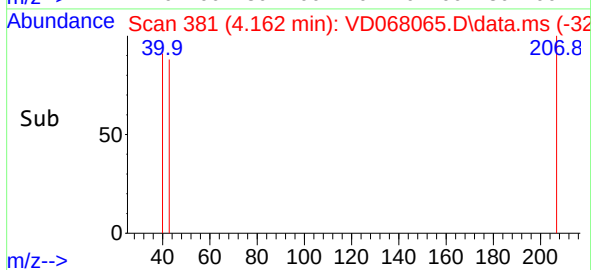
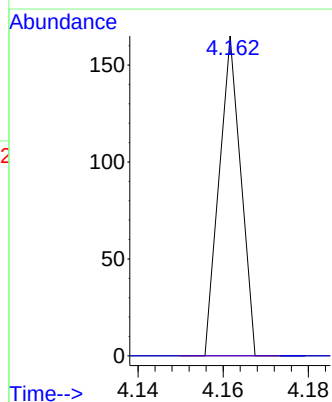
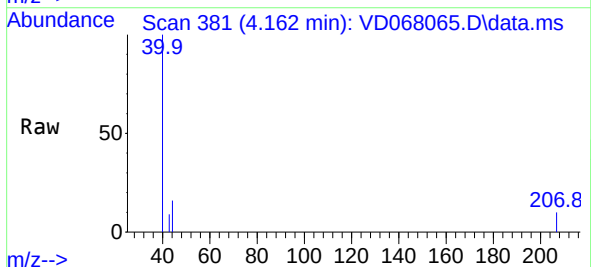
Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821

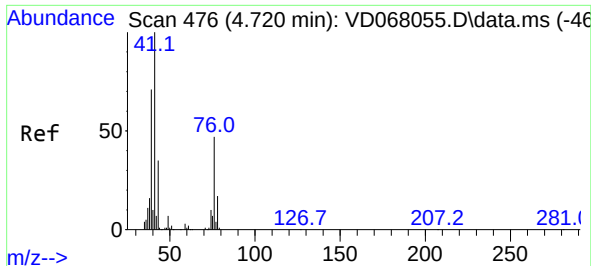
Tgt Ion:142 Resp: 164
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 2.71 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#

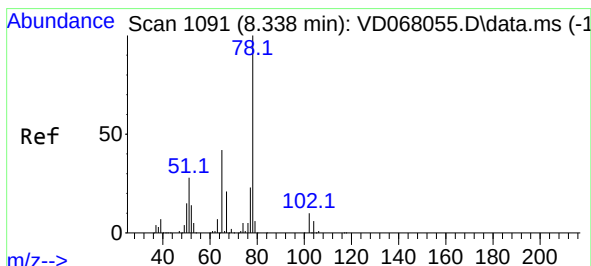
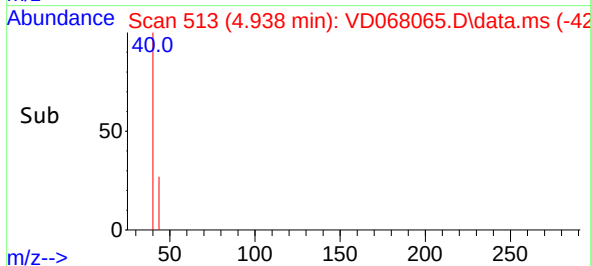
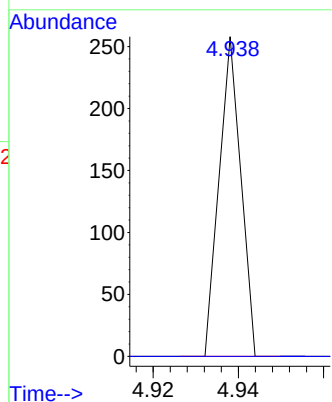
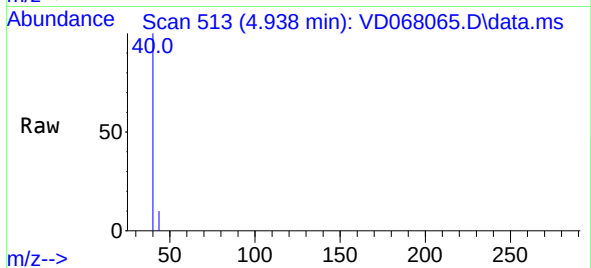




#18
Methyl Acetate
Concen: 1.63 ug/l
RT: 4.938 min Scan# 513
Delta R.T. 0.218 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

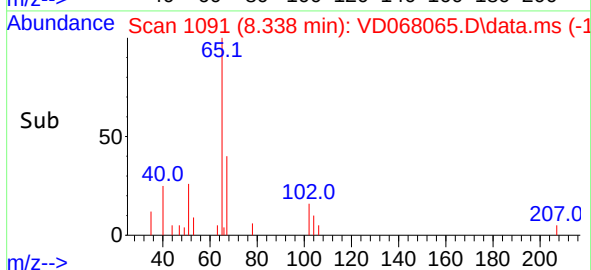
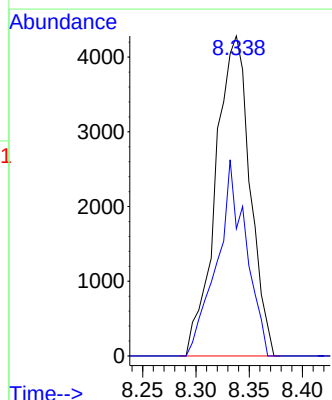
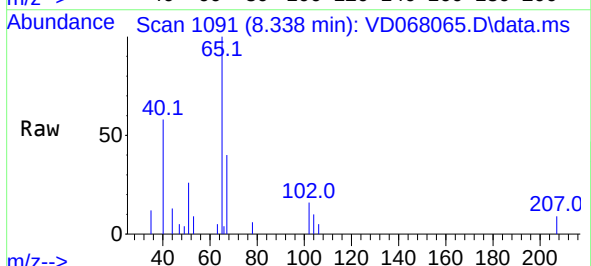
Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821

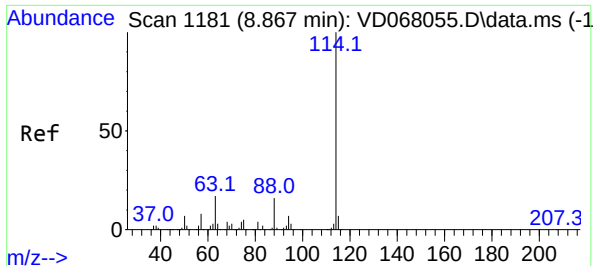
Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.0#



#33
1,2-Dichloroethane-d4
Concen: 71.29 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion: 65 Resp: 9612
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.0



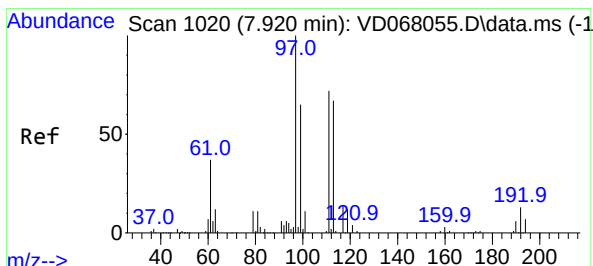
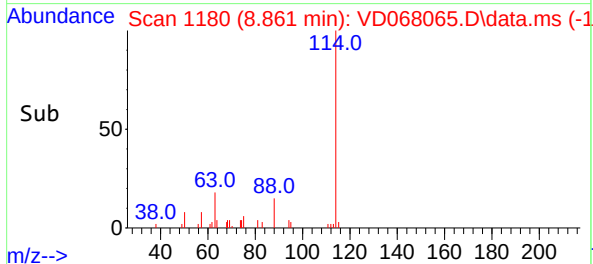
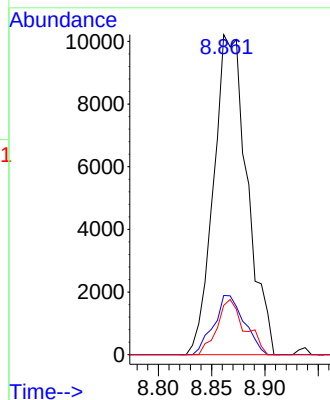
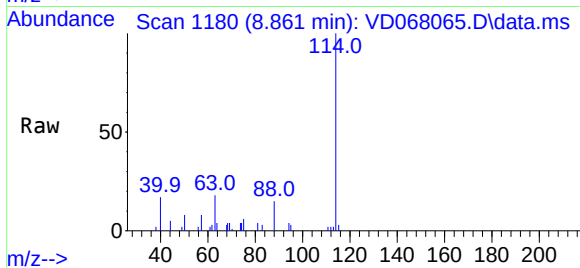


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821

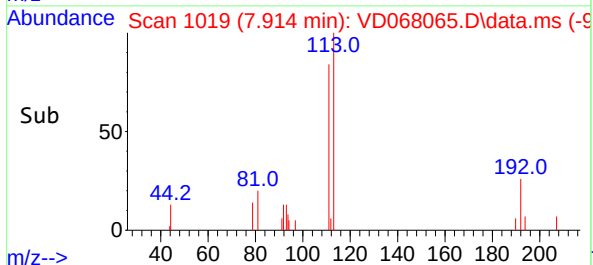
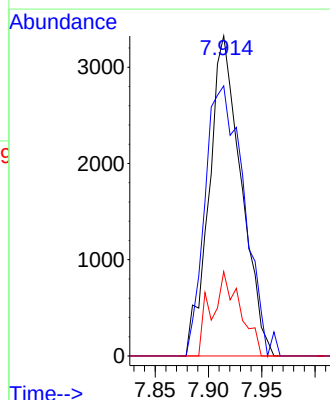
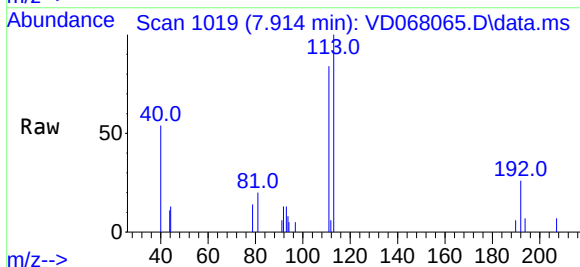
Tgt Ion:	114	Resp:	22267
Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	34.8
88	15.4	0.0	31.6

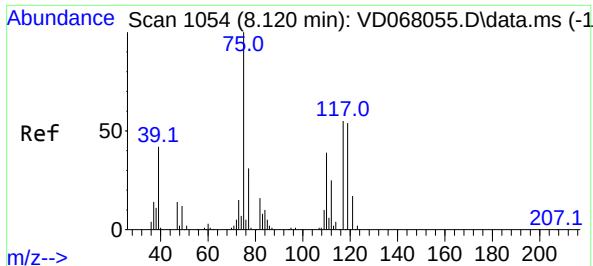


#35

Dibromofluoromethane
Concen: 54.86 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion:	113	Resp:	6963
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	23.5	16.1	24.1

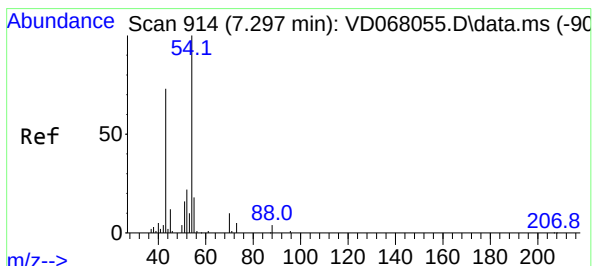
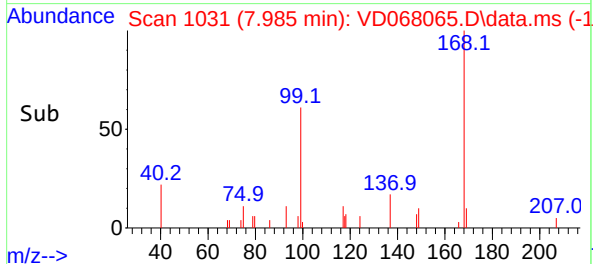
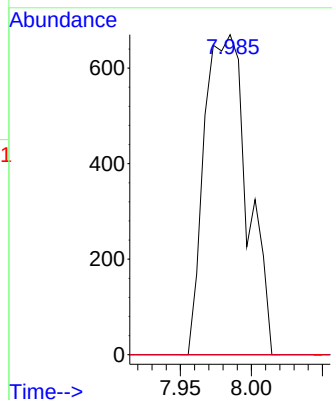
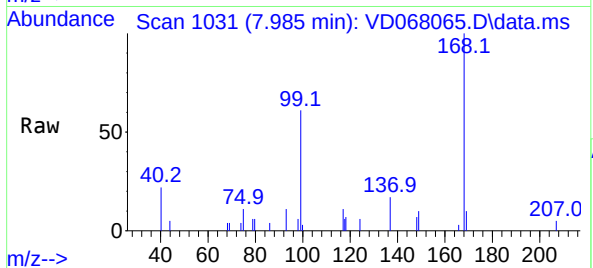




#36
1,1-Dichloropropene
Concen: 7.22 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

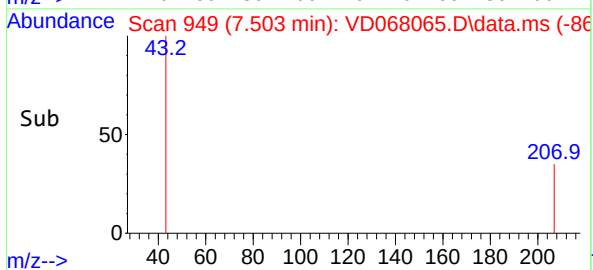
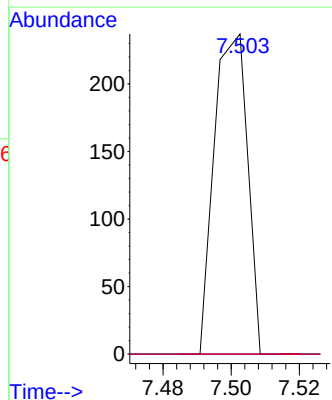
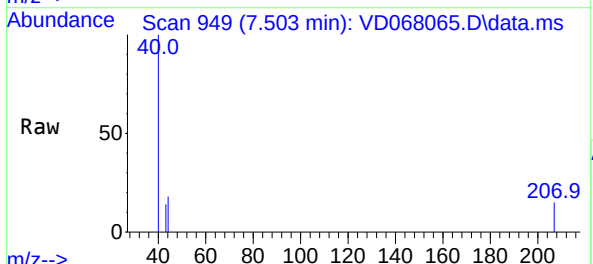
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ClientSampleId :
CL-01-010821

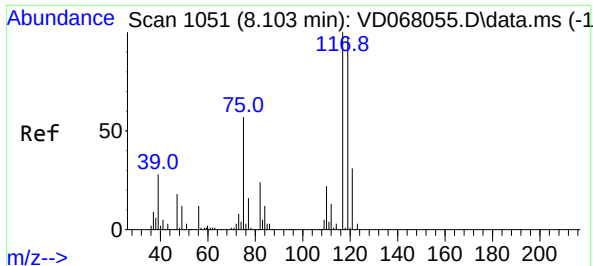
Tgt Ion: 75 Resp: 1412
Ion Ratio Lower Upper
75 100
110 0.0 19.4 58.2#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 2.69 ug/l
RT: 7.503 min Scan# 949
Delta R.T. 0.206 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
61 0.0 12.9 19.3#
70 0.0 11.0 16.6#

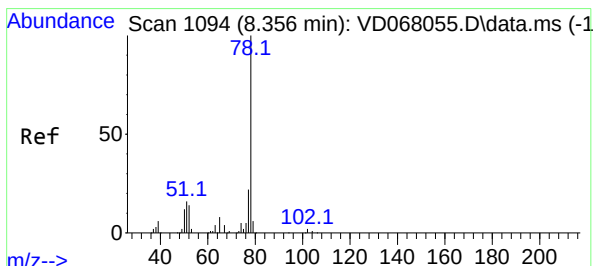
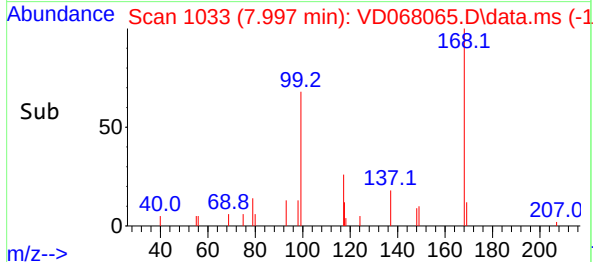
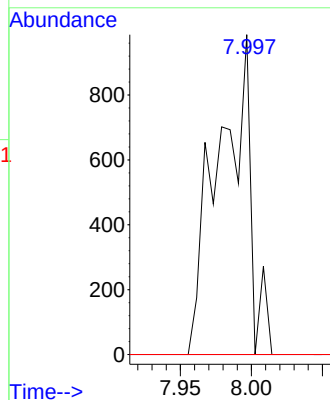
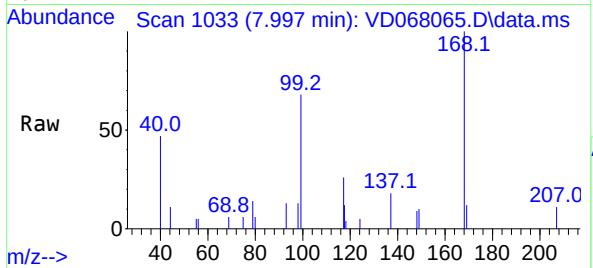




#38
Carbon Tetrachloride
Concen: 6.77 ug/l
RT: 7.997 min Scan# 1033
Delta R.T. -0.106 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

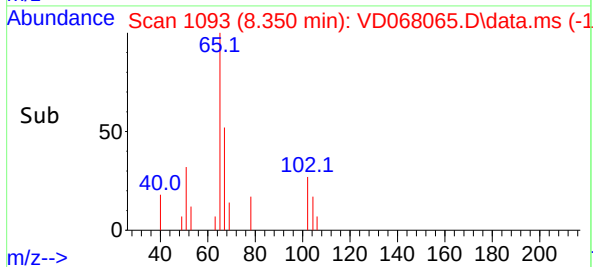
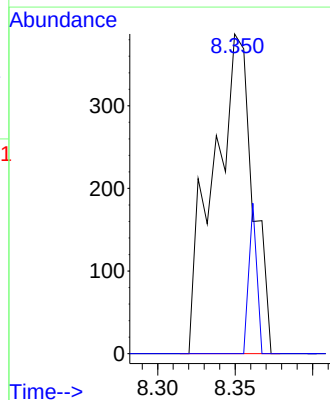
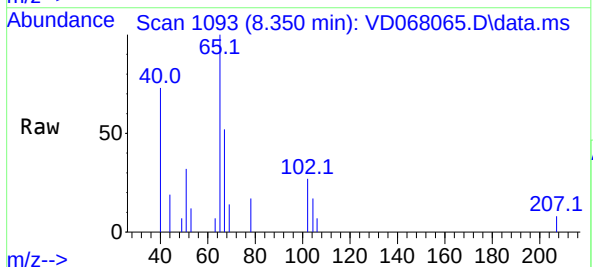
Instrument :
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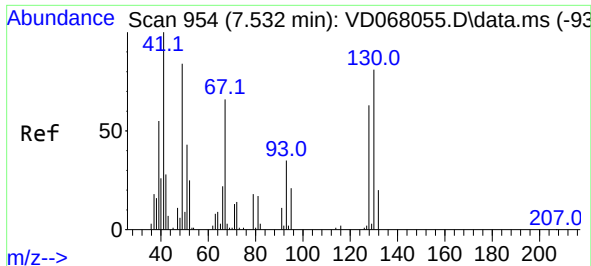
Tgt Ion:117 Resp: 1579
Ion Ratio Lower Upper
117 100
119 0.0 77.3 115.9#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 1.24 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion: 78 Resp: 681
Ion Ratio Lower Upper
78 100
77 0.0 17.8 26.6#

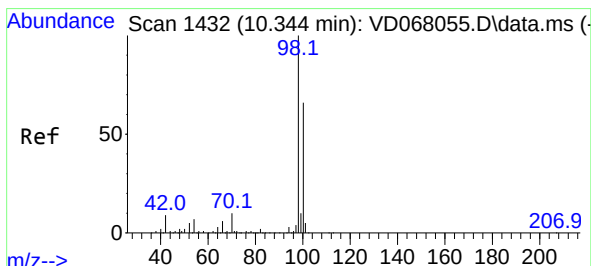
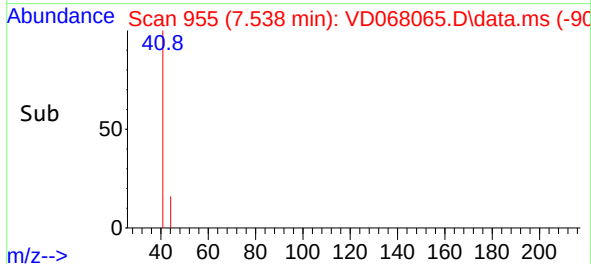
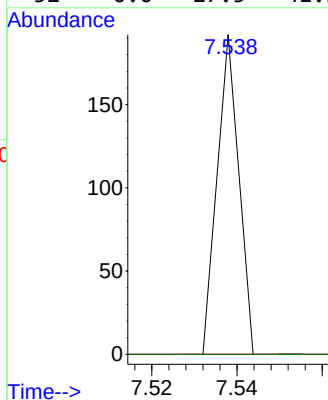
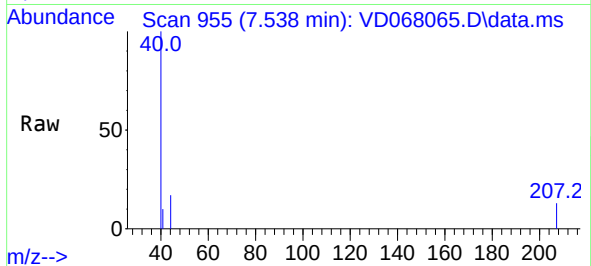




#41
Methacrylonitrile
Concen: 2.02 ug/l
RT: 7.538 min Scan# 955
Delta R.T. 0.006 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

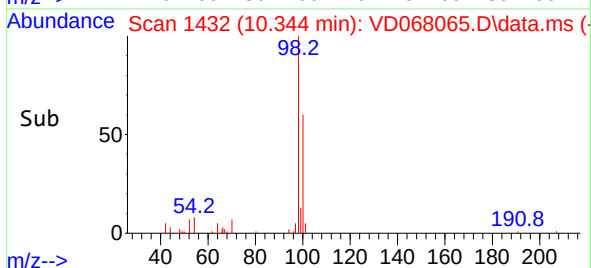
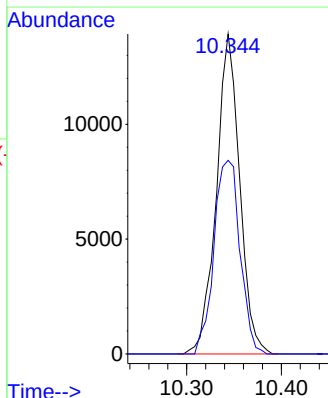
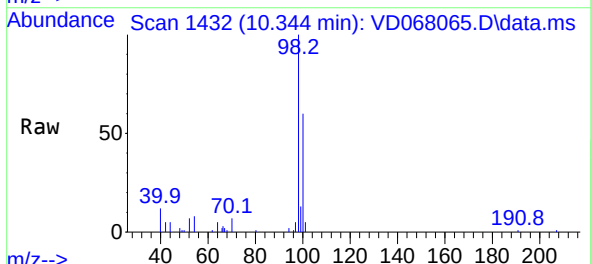
Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821

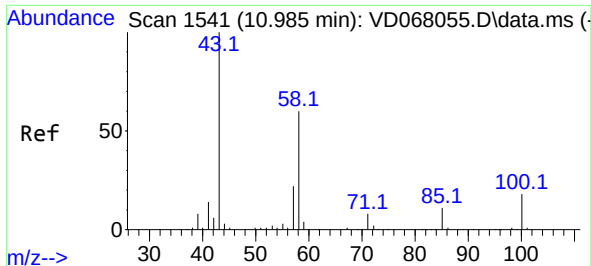
Tgt Ion:	41	Resp:	68
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	67.4	101.2#
52	0.0	27.5	41.3#



#50
Toluene-d8
Concen: 51.06 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion:	98	Resp:	23884
Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.4

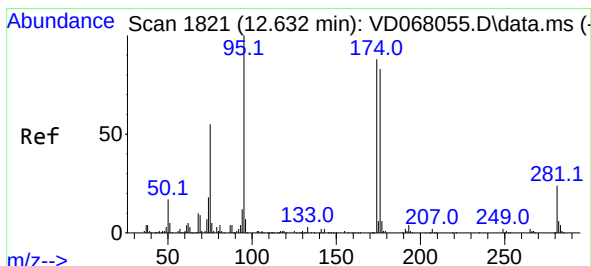
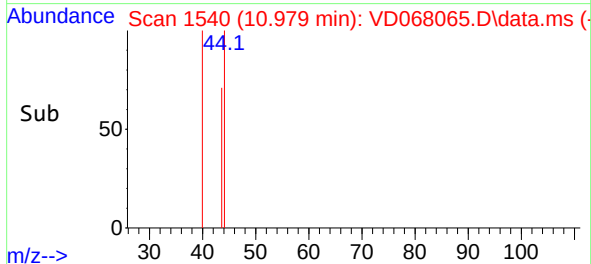
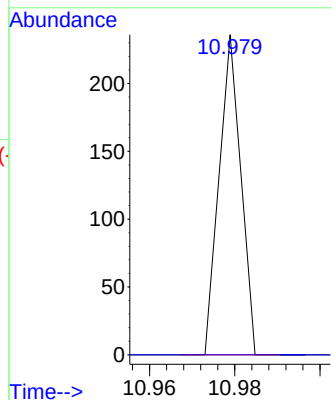
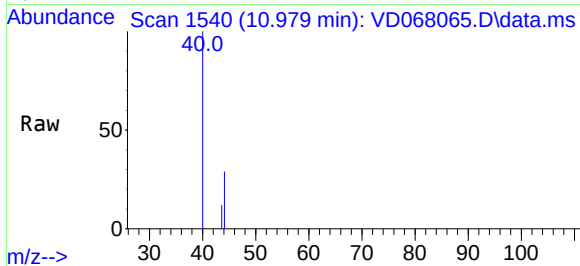




#59
2-Hexanone
Concen: 2.12 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

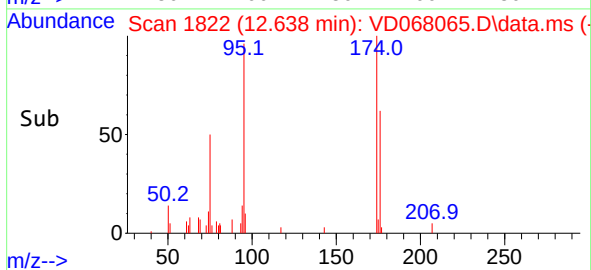
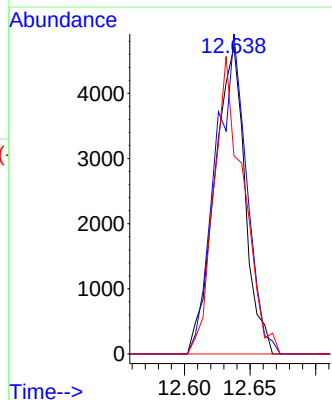
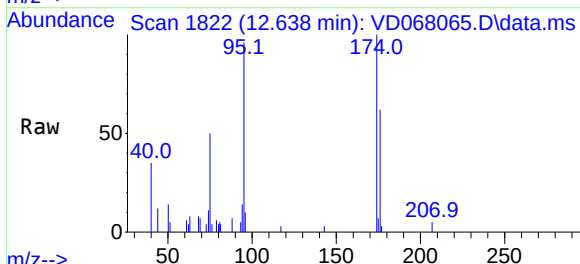
Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821

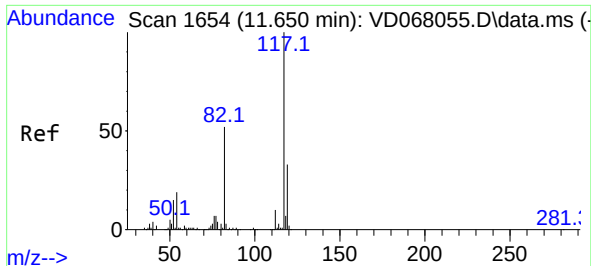
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 31.0 93.0#



#62
4-Bromofluorobenzene
Concen: 46.38 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion: 95 Resp: 7600
Ion Ratio Lower Upper
95 100
174 106.5 0.0 172.4
176 94.2 0.0 168.4

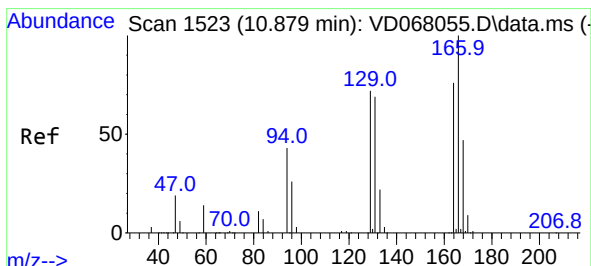
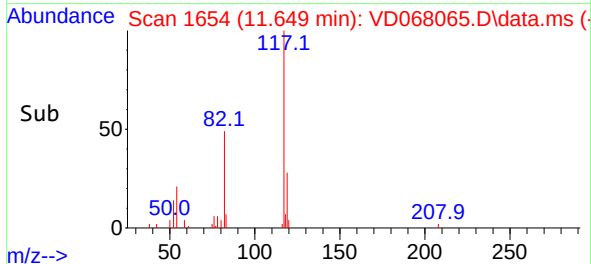
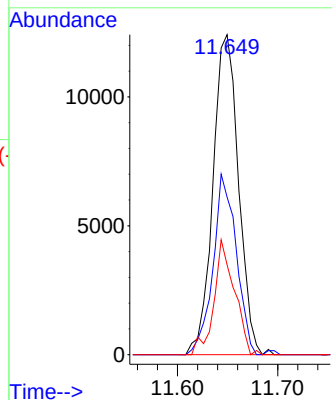
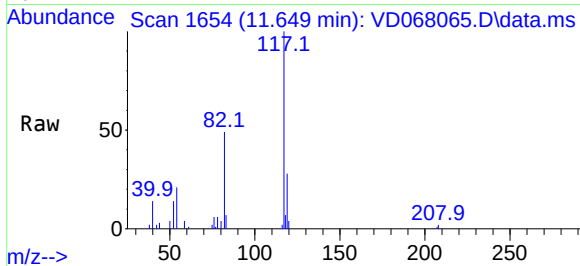




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

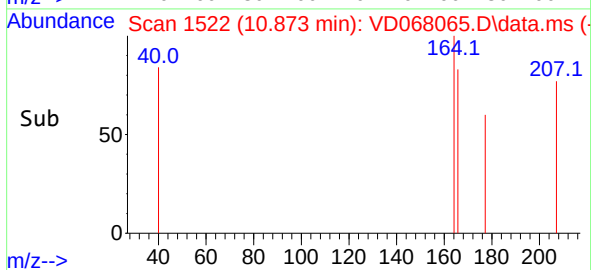
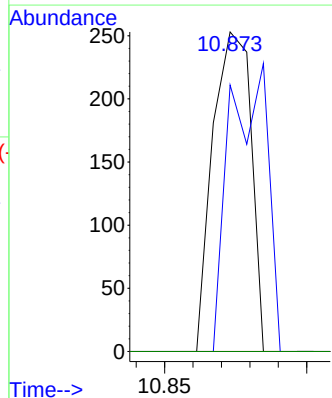
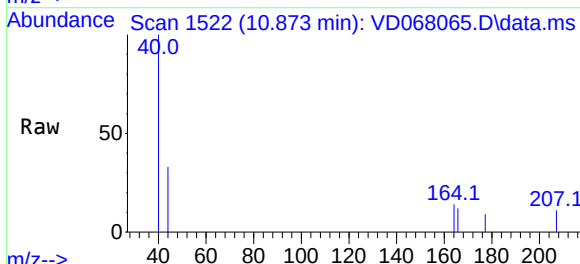
Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821

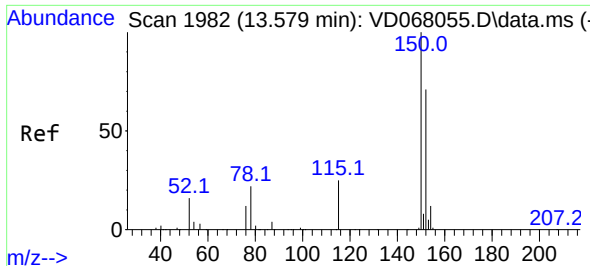
Tgt Ion:	117	Resp:	21981
Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.4	62.0
119	28.1	26.1	39.1



#64
Tetrachloroethene
Concen: 1.52 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.006 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Tgt Ion:	164	Resp:	237
Ion	Ratio	Lower	Upper
164	100		
166	83.4	105.5	158.3#
129	0.0	75.6	113.4#
131	0.0	72.4	108.6#

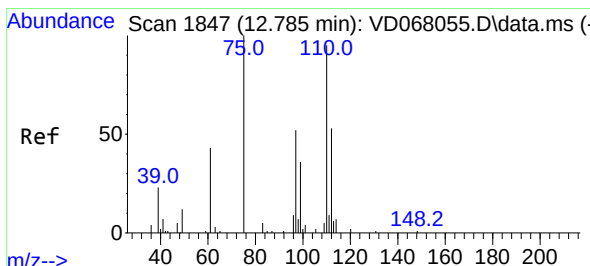
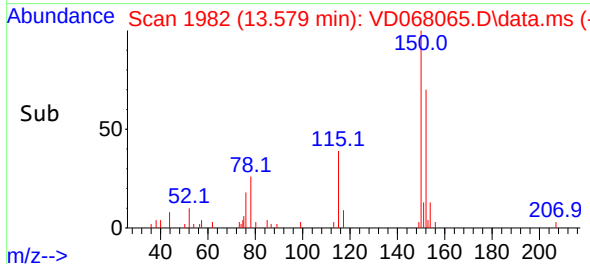
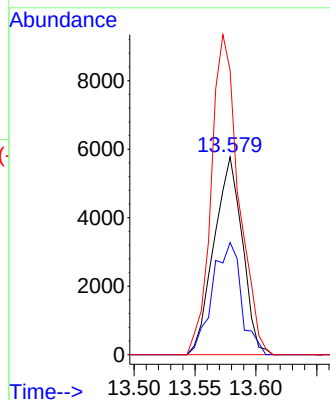
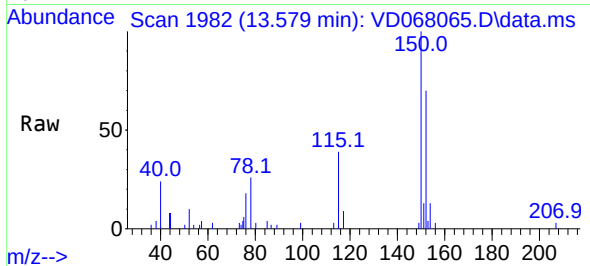




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

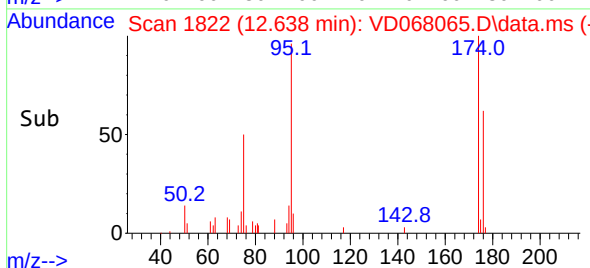
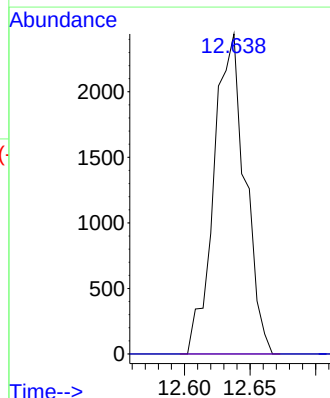
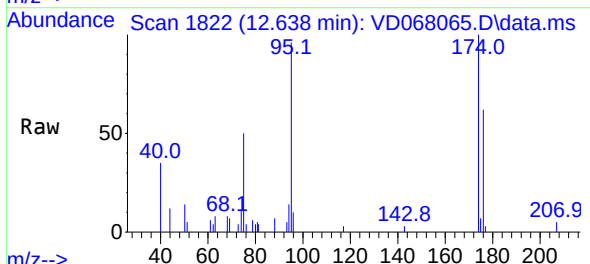
Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821

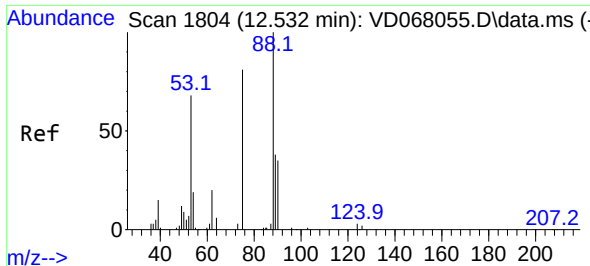
Tgt Ion:	152	Resp:	9355
Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.9	86.8
150	156.7	0.0	344.4



#76
1,2,3-Trichloropropane
Concen: 54.55 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. -0.147 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

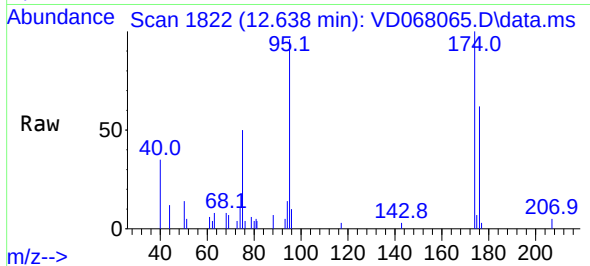
Tgt Ion:	75	Resp:	4043
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



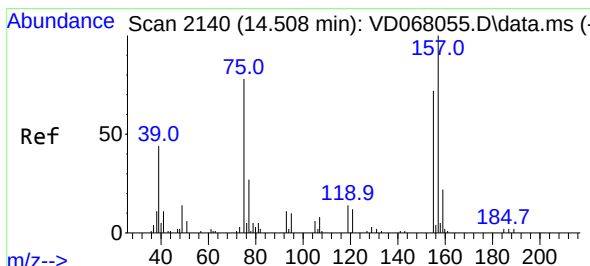
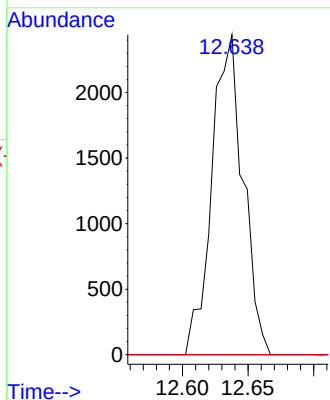
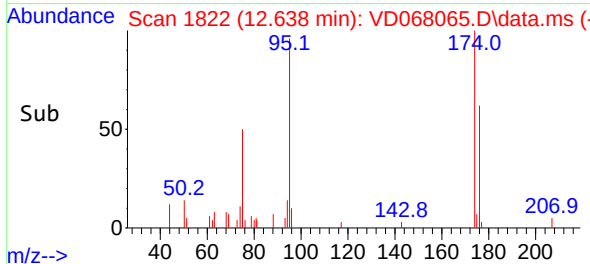


#81
trans-1,4-Dichloro-2-butene
Concen: 122.39 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.106 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

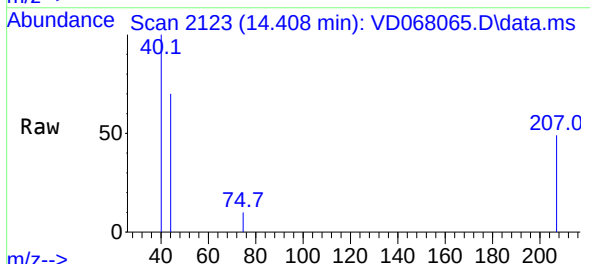
Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821



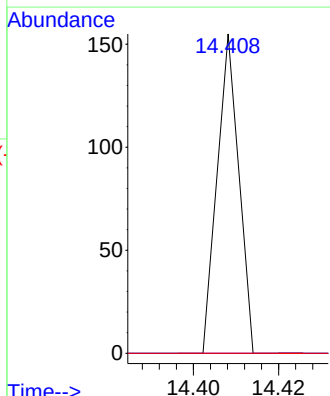
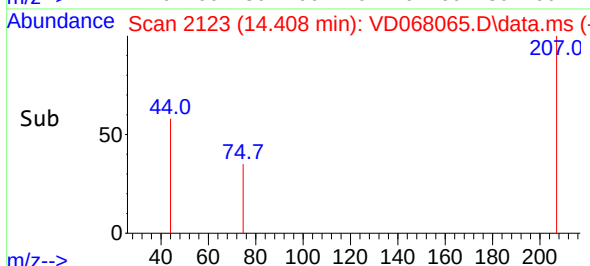
Tgt Ion: 75 Resp: 4043
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

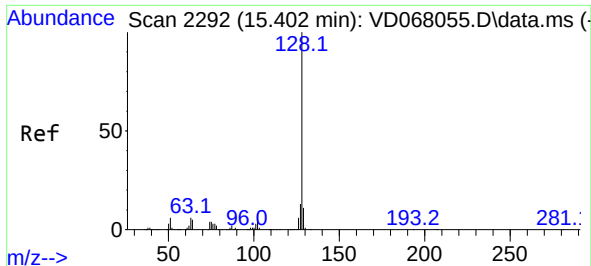


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.38 ug/l
RT: 14.408 min Scan# 2123
Delta R.T. -0.100 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28



Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
155 0.0 48.0 144.2#
157 0.0 65.0 194.8#





#95
Naphthalene
Concen: 1.76 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. -0.000 min
Lab File: VD068065.D
Acq: 13 Jan 2021 12:28

Instrument :
MSVOA_D
ClientSampleId :
CL-01-010821

Tgt Ion:128 Resp: 512
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

