

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022522\
 Data File : VD072109.D
 Acq On : 25 Feb 2022 19:23
 Operator : VA/SY
 Sample : N1663-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-022422RE

Quant Time: Feb 26 05:44:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

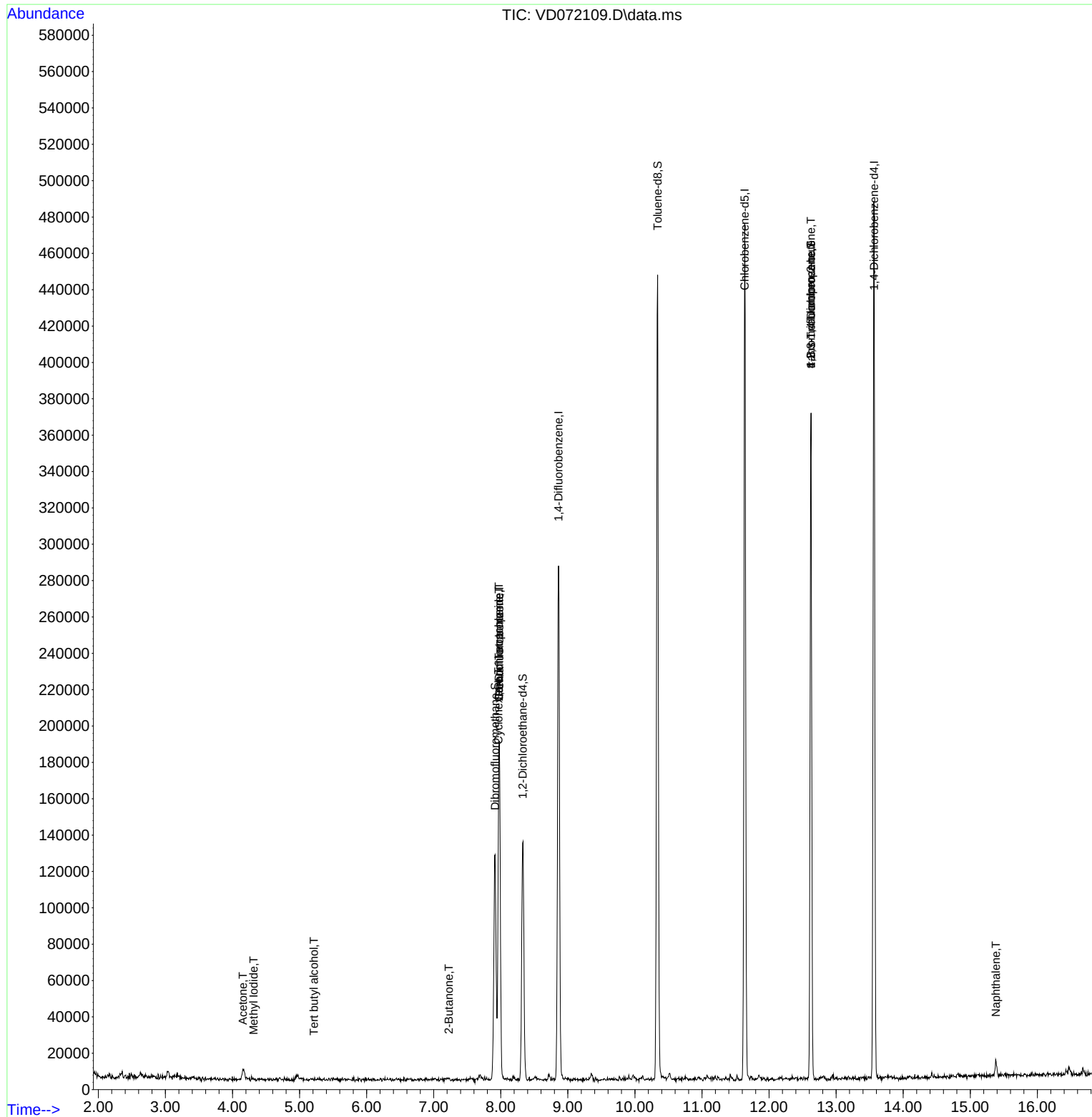
Internal Standards						
1) Pentafluorobenzene	7.979	168	139300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	246145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	268061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	131298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	107733	74.558	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.120%	
35) Dibromofluoromethane	7.914	113	91265	61.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.400%	
50) Toluene-d8	10.338	98	306593	55.437	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.880%	
62) 4-Bromofluorobenzene	12.626	95	124211	61.143	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 122.280%	
Target Compounds						Qvalue
5) Bromomethane	2.791	94	312	Below Cal	#	61
10) Methyl Iodide	4.314	142	257	3.077	ug/l #	40
11) Tert butyl alcohol	5.214	59	83	1.007	ug/l #	80
16) Acetone	4.156	43	10239	32.788	ug/l	94
18) Methyl Acetate	4.703	43	67	Below Cal	#	52
25) 2-Butanone	7.226	43	441	1.022	ug/l #	50
31) Cyclohexane	7.967	56	3723	1.459	ug/l #	64
36) 1,1-Dichloropropene	7.973	75	11858	5.249	ug/l #	49
38) Carbon Tetrachloride	7.973	117	13244	5.720	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	62277	50.074	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	62277	125.398	ug/l #	10
95) Naphthalene	15.384	128	7135	1.710	ug/l	97

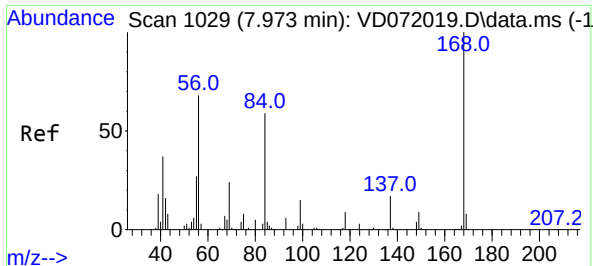
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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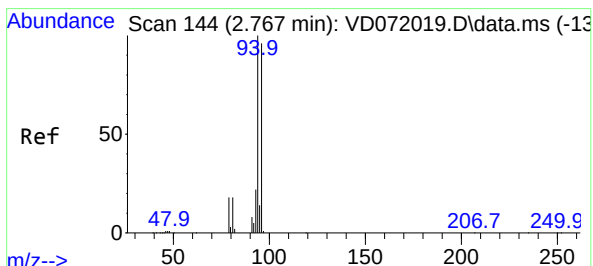
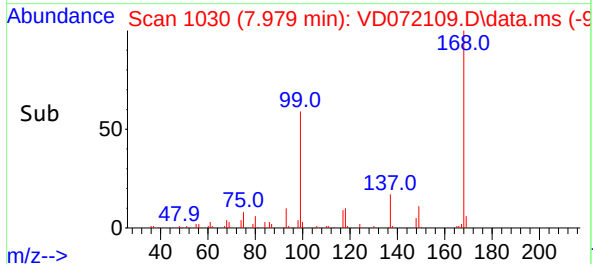
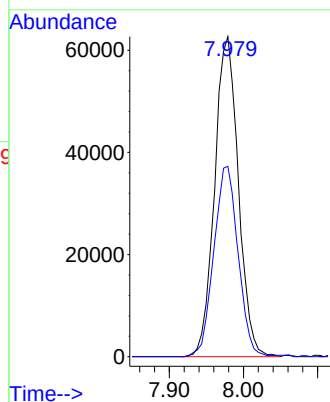
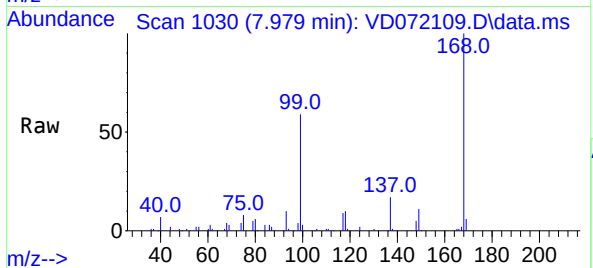




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

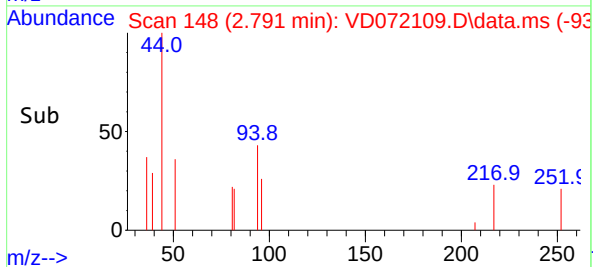
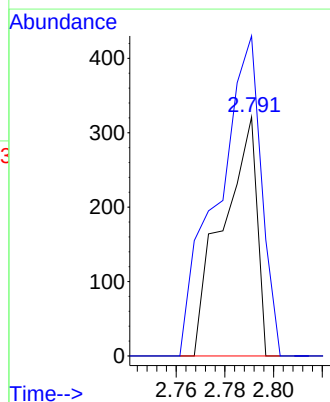
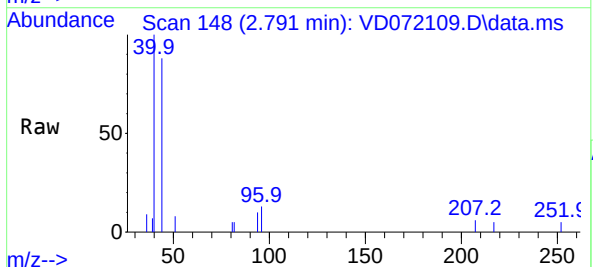
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422RE

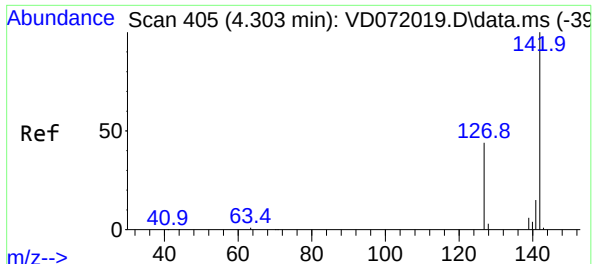
Tgt Ion:168 Resp: 139300
Ion Ratio Lower Upper
168 100
99 59.5 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.024 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 134.0 76.8 115.2#

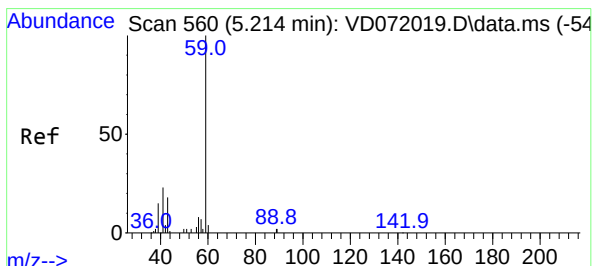
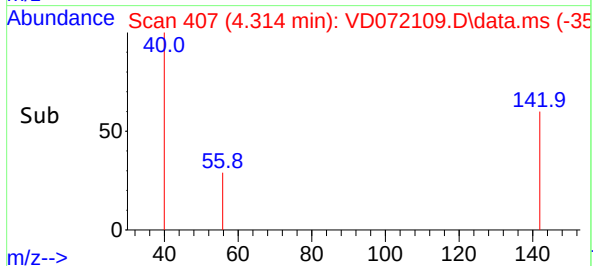
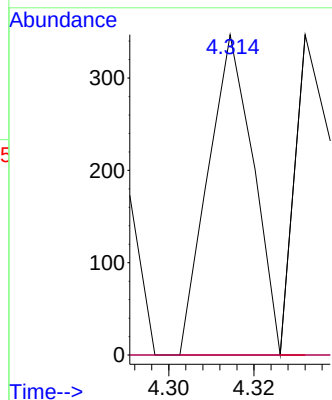
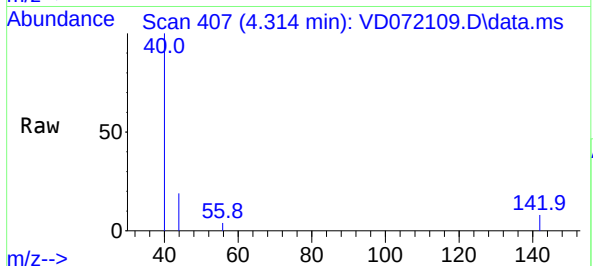




#10
Methyl Iodide
Concen: 3.077 ug/l
RT: 4.314 min Scan# 405
Delta R.T. 0.011 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

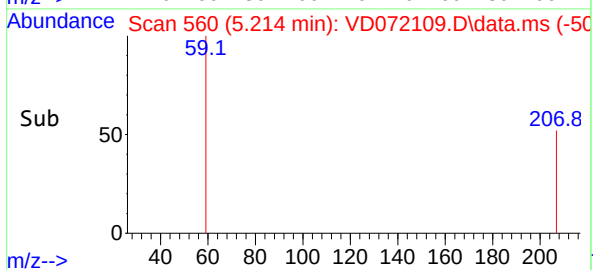
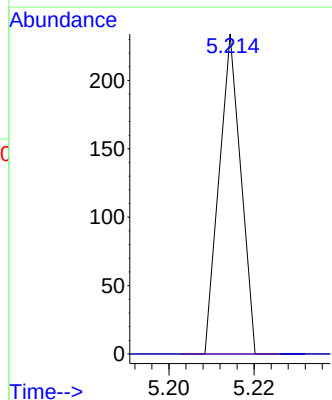
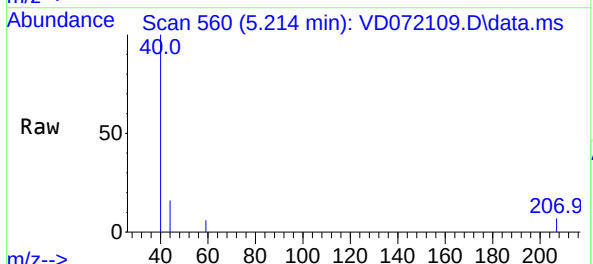
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422RE

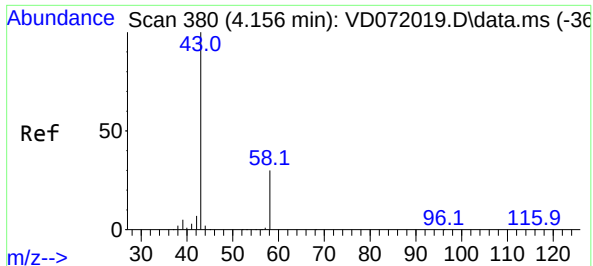
Tgt Ion:142 Resp: 257
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.007 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.000 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

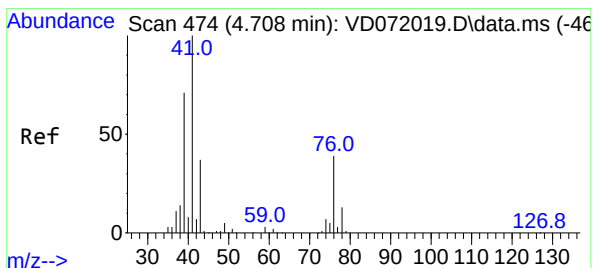
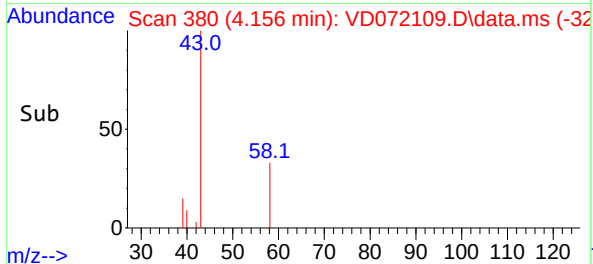
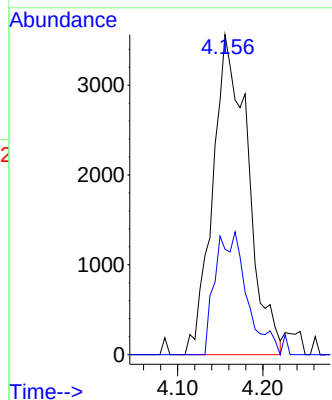
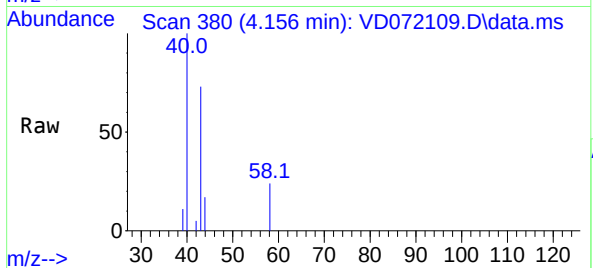




#16
Acetone
Concen: 32.788 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

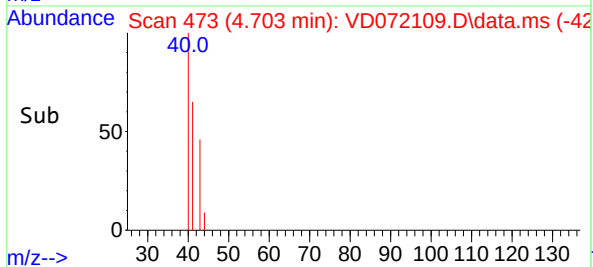
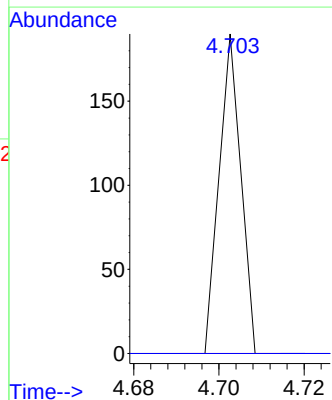
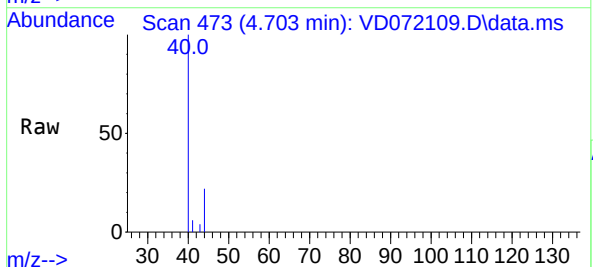
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422RE

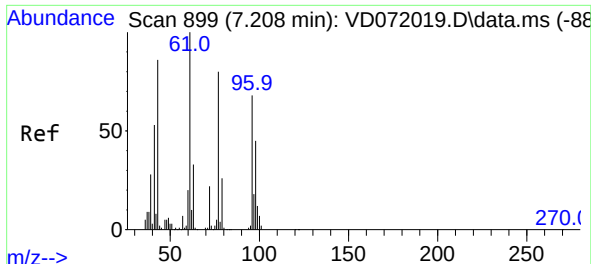
Tgt Ion: 43 Resp: 10239
Ion Ratio Lower Upper
43 100
58 32.9 23.8 35.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.005 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#

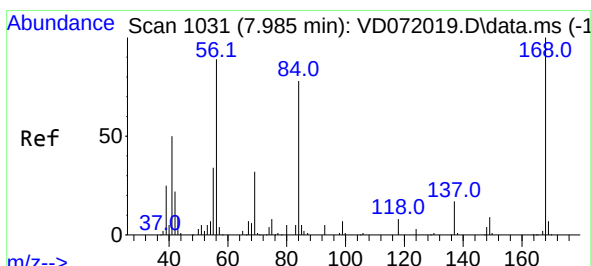
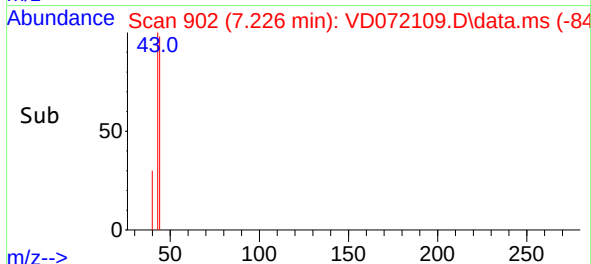
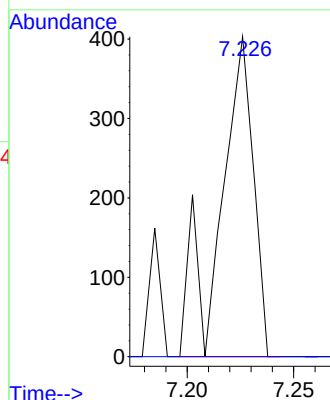
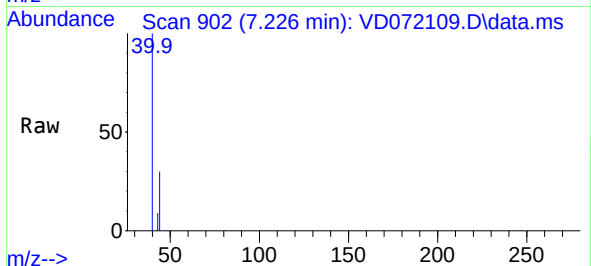




#25
2-Butanone
Concen: 1.022 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.018 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

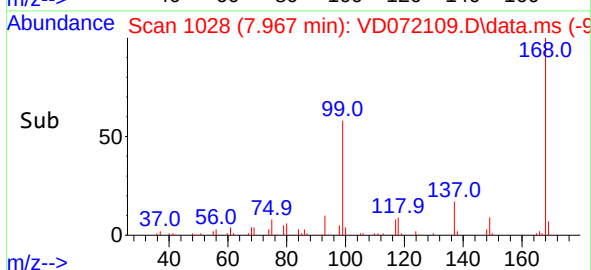
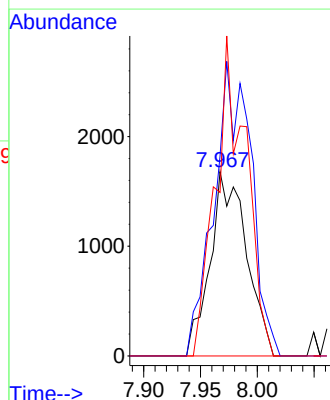
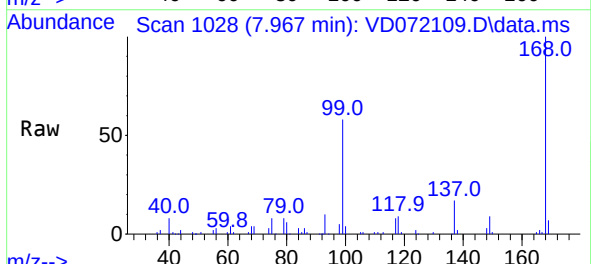
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422RE

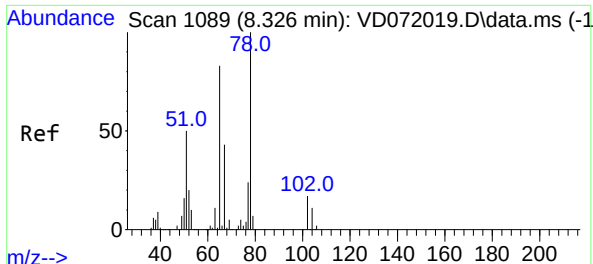
Tgt Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#



#31
Cyclohexane
Concen: 1.459 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 56 Resp: 3723
Ion Ratio Lower Upper
56 100
69 108.5 28.9 43.3#
84 88.8 70.6 105.8

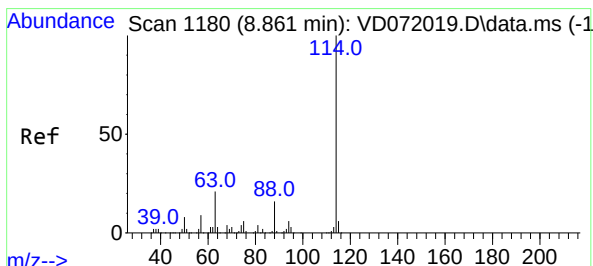
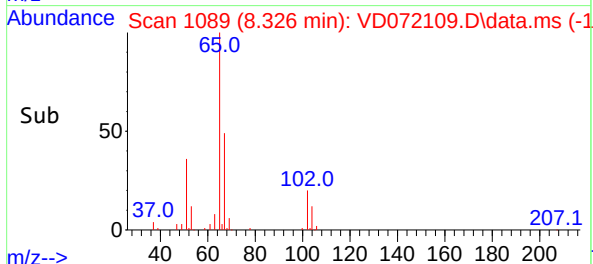
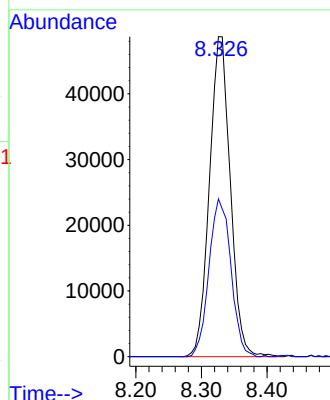
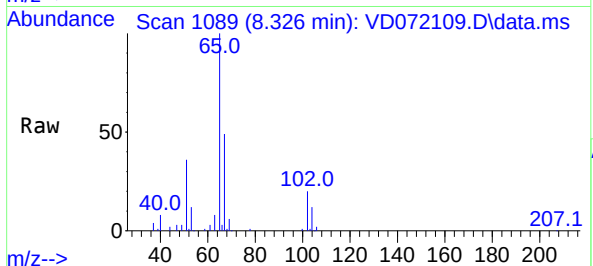




#33
1,2-Dichloroethane-d4
Concen: 74.558 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

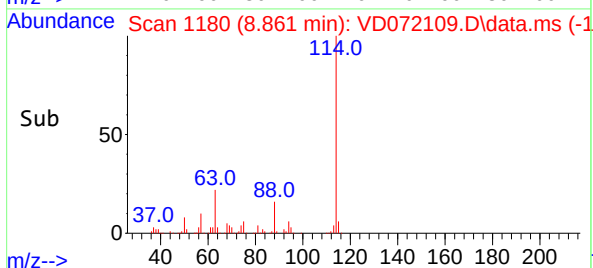
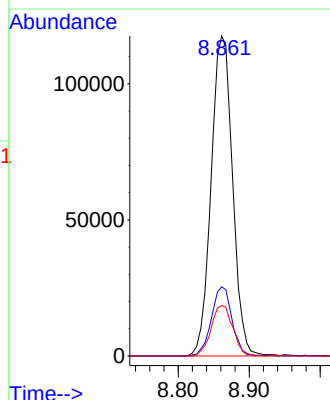
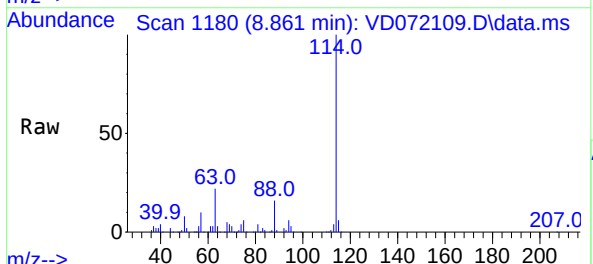
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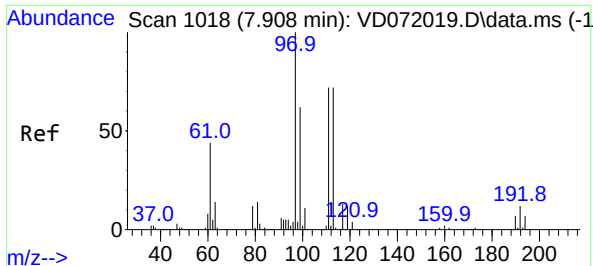
Tgt Ion: 65 Resp: 107733
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 114 Resp: 246145
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.2
88 15.7 0.0 31.2

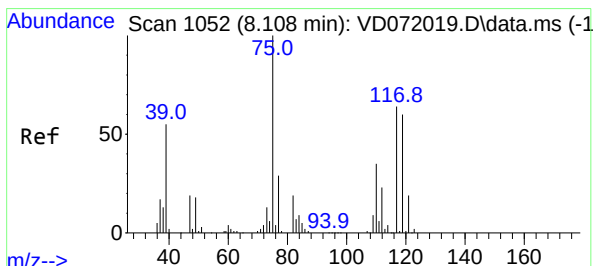
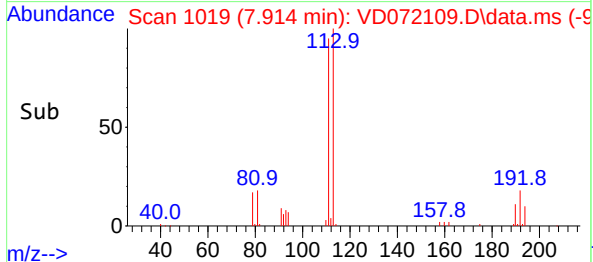
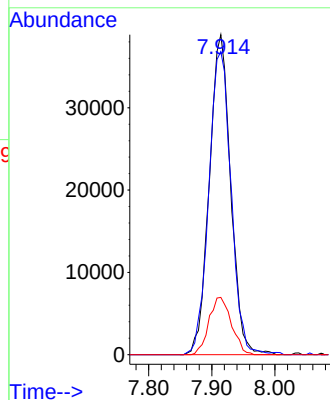
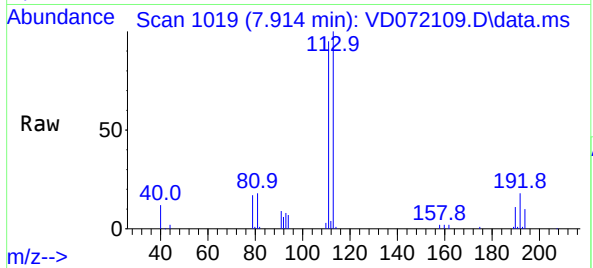




#35
Dibromofluoromethane
Concen: 61.198 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

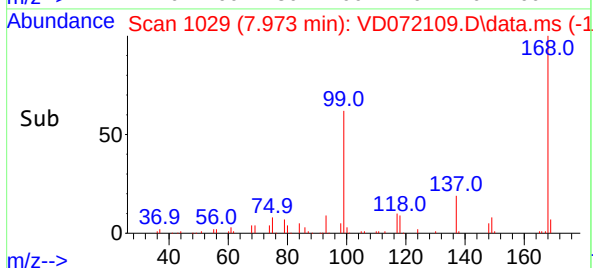
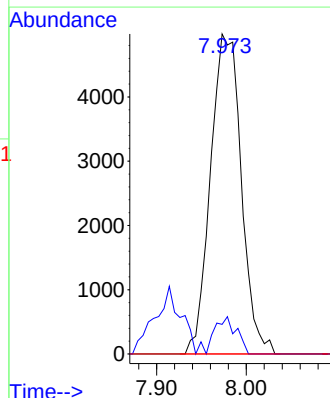
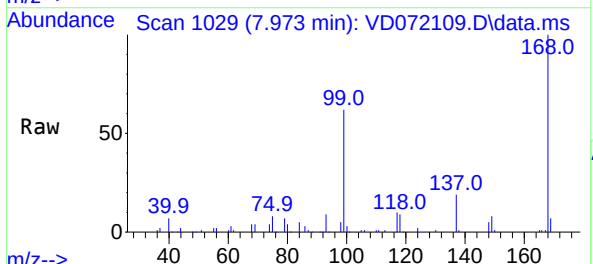
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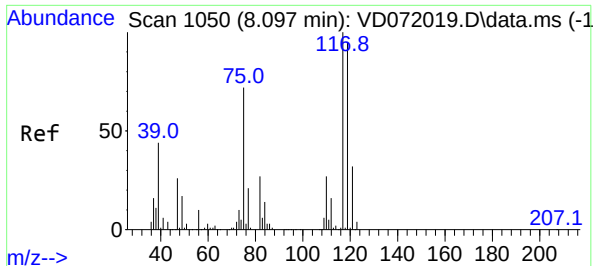
Tgt Ion:113 Resp: 91265
Ion Ratio Lower Upper
113 100
111 98.6 83.0 124.4
192 18.8 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.249 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 75 Resp: 11858
Ion Ratio Lower Upper
75 100
110 8.1 17.7 53.1#
77 0.0 24.8 37.2#

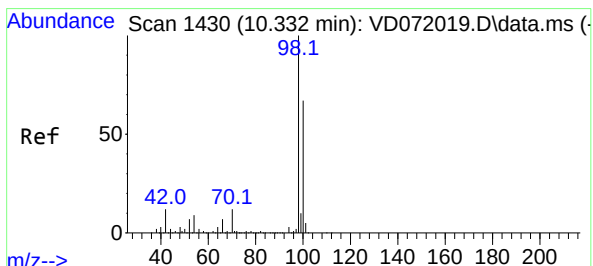
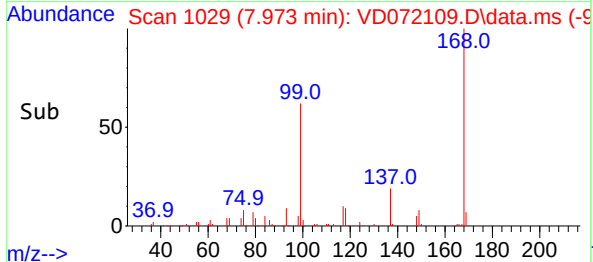
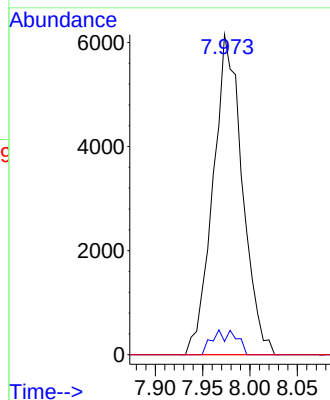
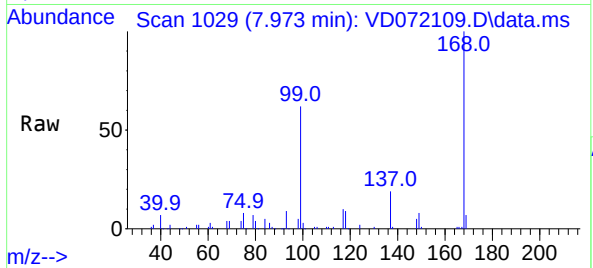




#38
Carbon Tetrachloride
Concen: 5.720 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

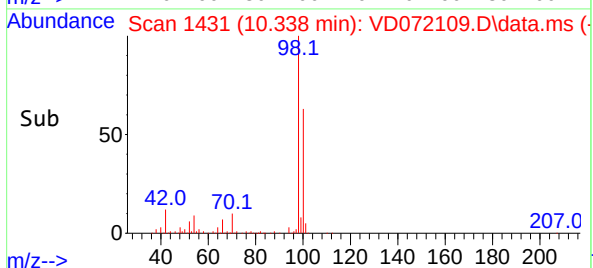
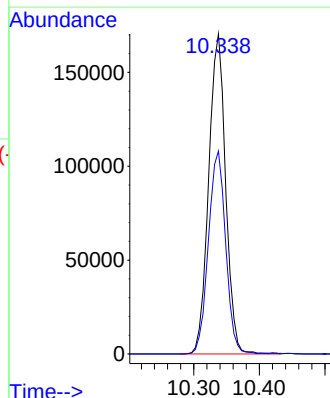
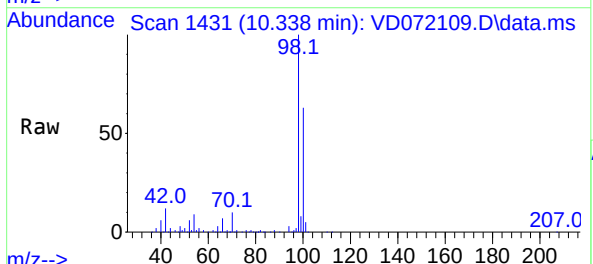
Instrument :
MSVOA_D
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CL-02-022422RE

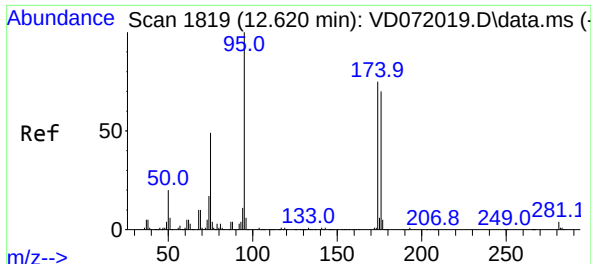
Tgt Ion:117 Resp: 13244
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.437 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 98 Resp: 306593
Ion Ratio Lower Upper
98 100
100 64.6 53.8 80.6



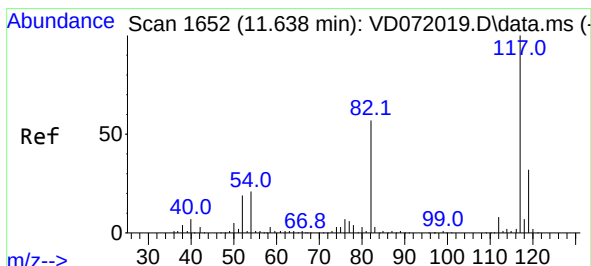
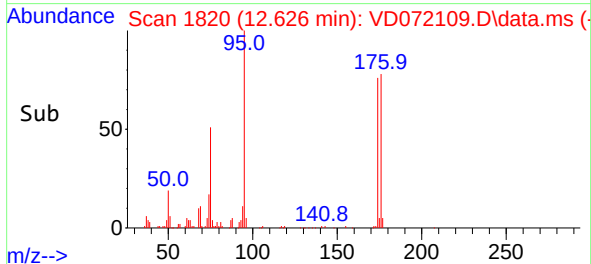
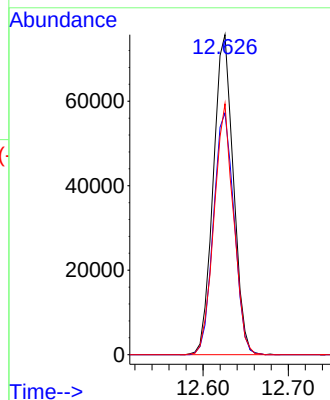
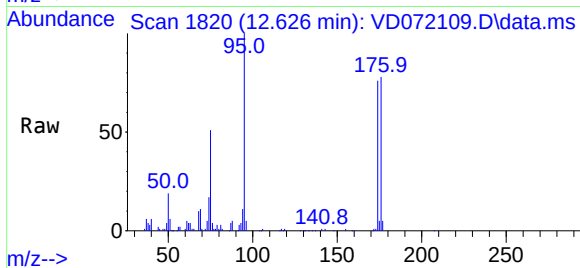


#62
4-Bromofluorobenzene
Concen: 61.143 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422RE

Tgt Ion: 95 Resp: 124211

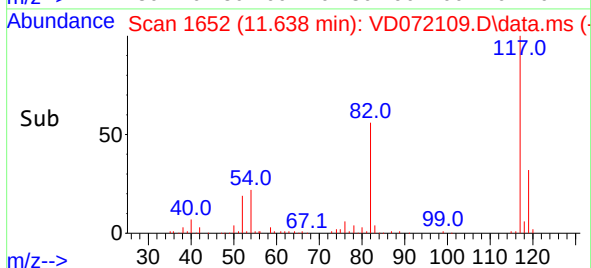
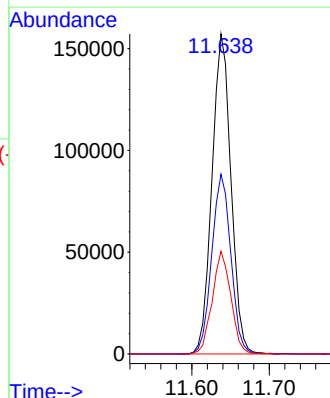
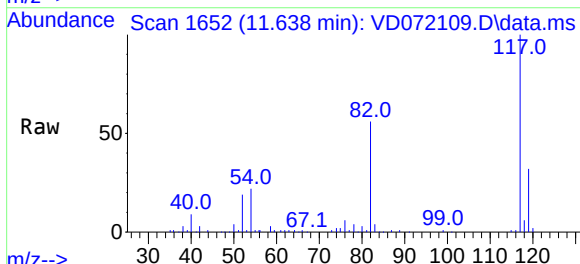
Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	155.0
176	76.3	0.0	148.8

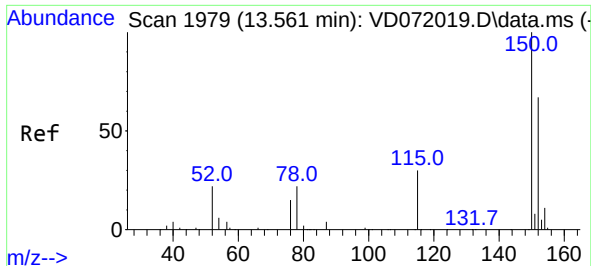


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 117 Resp: 268061

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.0
119	32.1	25.4	38.2

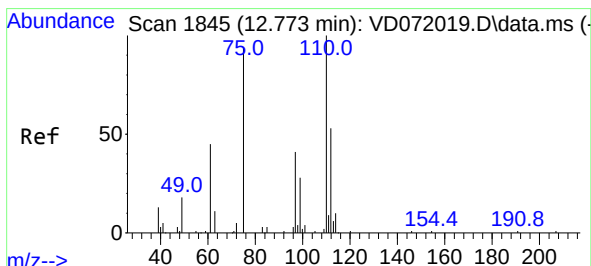
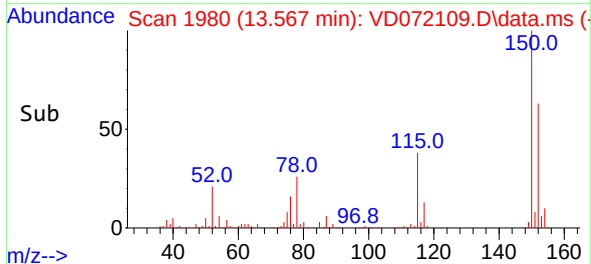
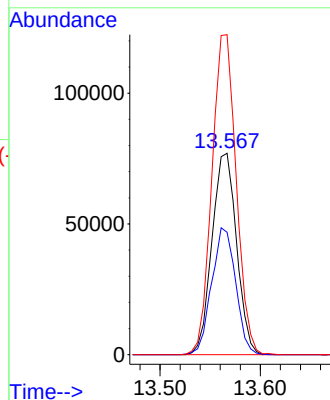
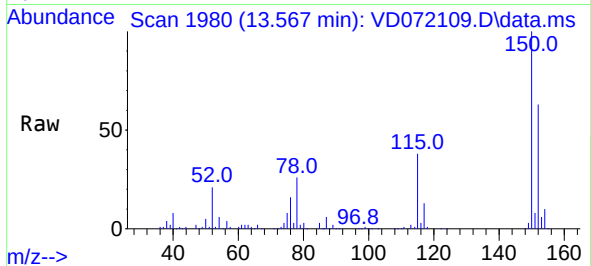




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

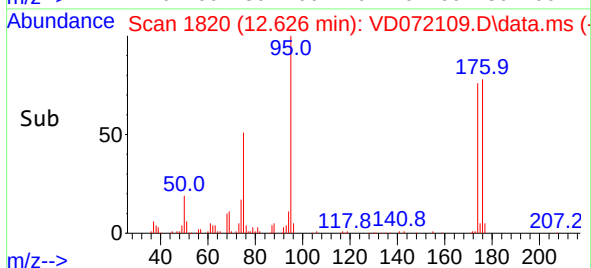
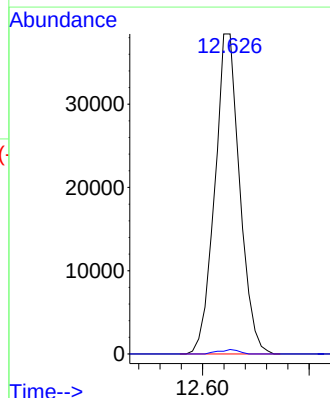
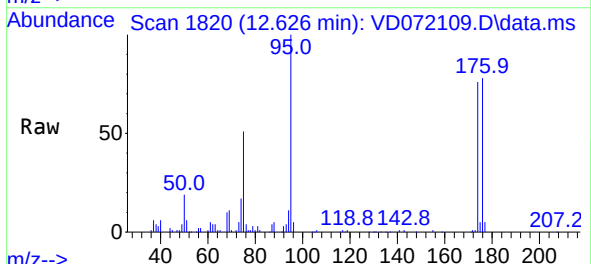
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422RE

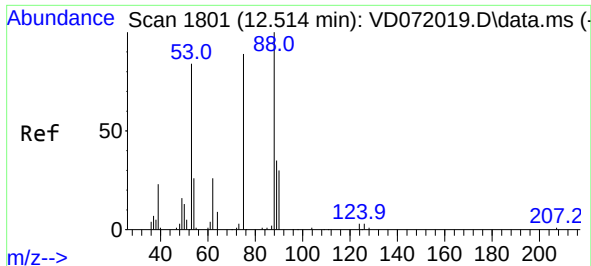
Tgt Ion:152 Resp: 131298
Ion Ratio Lower Upper
152 100
115 61.6 29.9 89.7
150 157.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.074 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 75 Resp: 62277
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

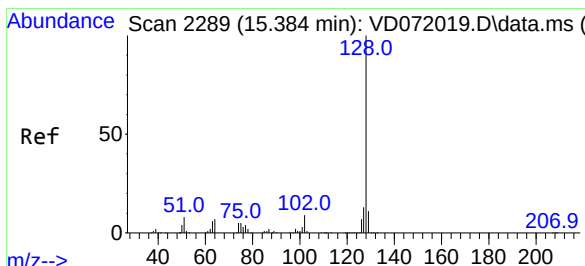
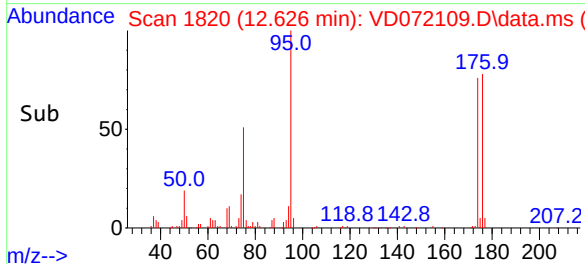
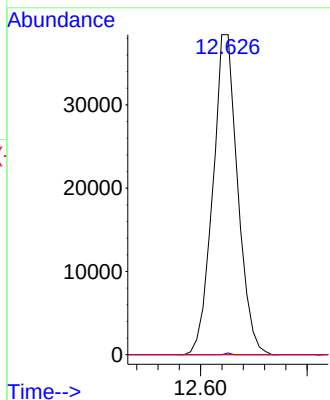
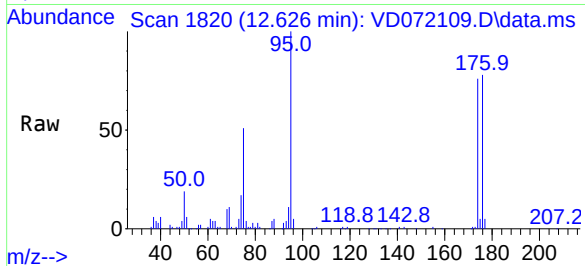




#81
trans-1,4-Dichloro-2-butene
Concen: 125.398 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422RE

Tgt Ion: 75 Resp: 62277
Ion Ratio Lower Upper
75 100
53 0.1 80.2 120.4#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 1.710 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072109.D
Acq: 25 Feb 2022 19:23

Tgt Ion: 128 Resp: 7135
Ion Ratio Lower Upper
128 100
127 14.7 10.3 15.5
129 10.2 8.7 13.1

