

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022522\
 Data File : VD072097.D
 Acq On : 25 Feb 2022 13:42
 Operator : VA/SY
 Sample : N1663-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-022422

Quant Time: Feb 26 05:41:42 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)

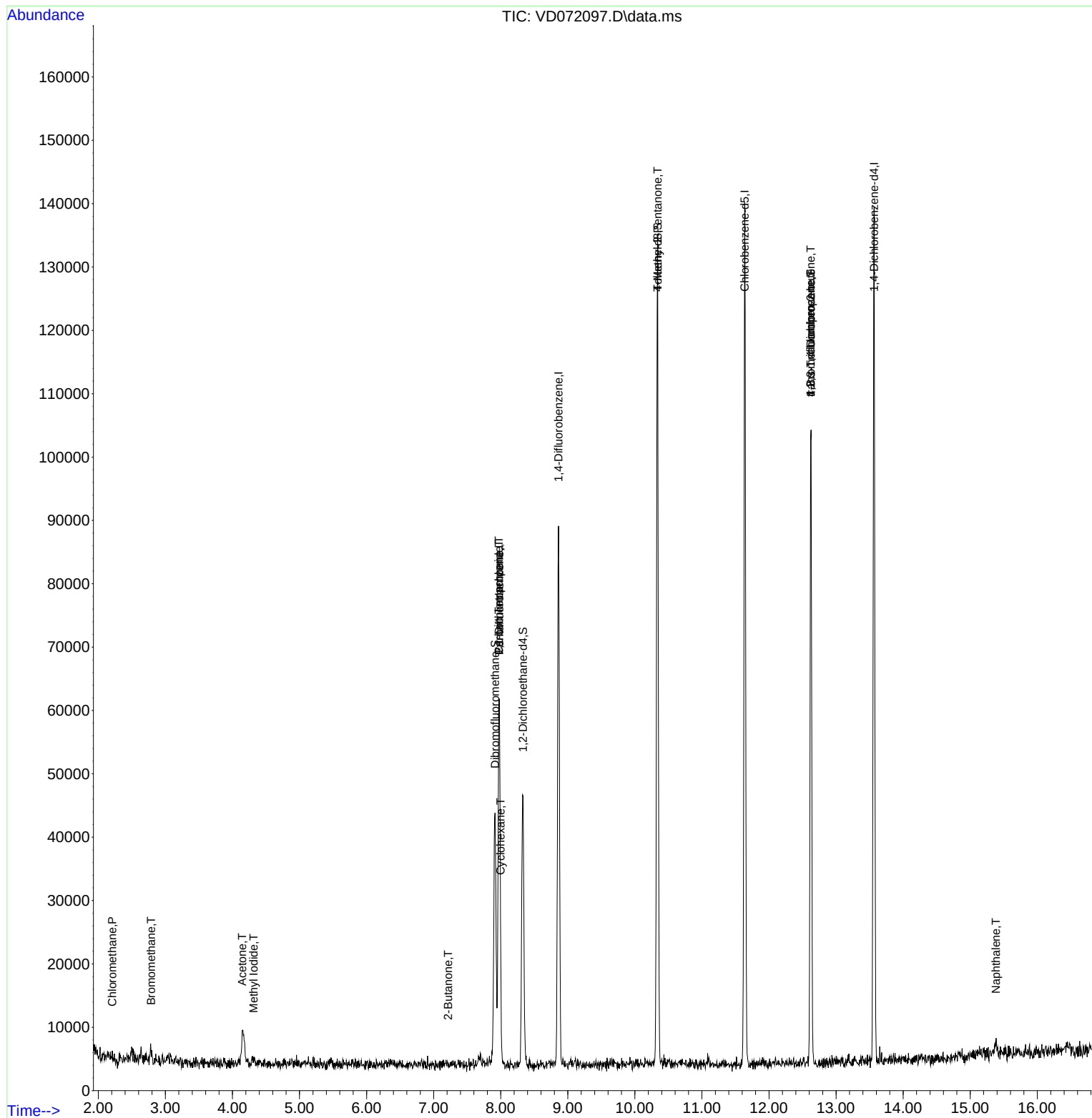
Internal Standards						
1) Pentafluorobenzene	7.979	168	42920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	69094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	74943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	34875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	36328	81.598	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 163.200%#			
35) Dibromofluoromethane	7.914	113	28497	68.074	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 136.140%			
50) Toluene-d8	10.338	98	86971	56.023	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.040%			
62) 4-Bromofluorobenzene	12.620	95	33150	58.133	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.260%			
Target Compounds			Qvalue			
3) Chloromethane	2.209	50	730	2.258	ug/l #	87
5) Bromomethane	2.785	94	1139	2.956	ug/l #	68
10) Methyl Iodide	4.315	142	672	4.223	ug/l #	63
16) Acetone	4.144	43	6167	64.095	ug/l #	79
18) Methyl Acetate	4.615	43	57	Below Cal	#	52
25) 2-Butanone	7.214	43	222	1.669	ug/l #	50
31) Cyclohexane	7.997	56	1040	1.323	ug/l #	84
36) 1,1-Dichloropropene	7.973	75	3834	6.046	ug/l #	51
38) Carbon Tetrachloride	7.973	117	4399	6.768	ug/l #	12
51) 4-Methyl-2-Pentanone	10.338	43	368	1.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	17301	52.373	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	17301	131.152	ug/l #	10
95) Naphthalene	15.385	128	2479	2.237	ug/l #	87

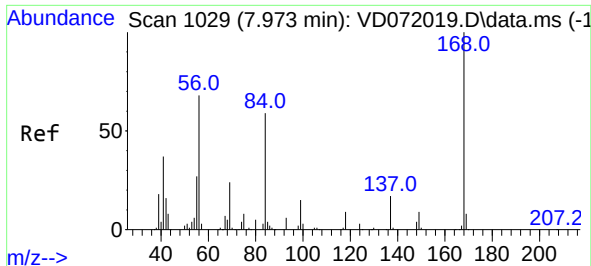
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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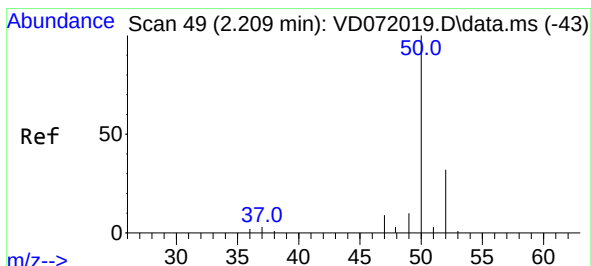
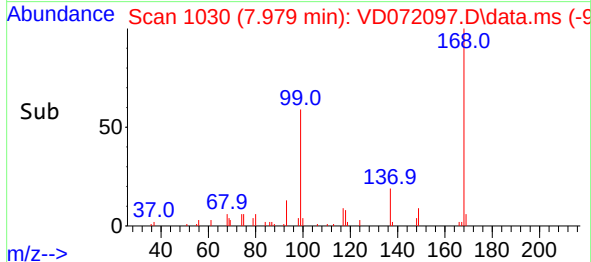
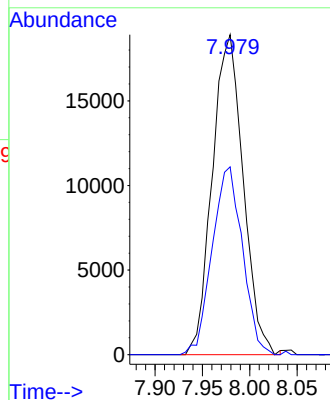
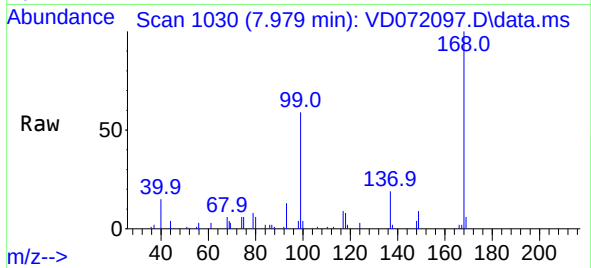




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

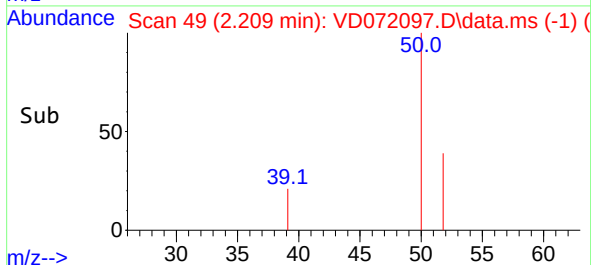
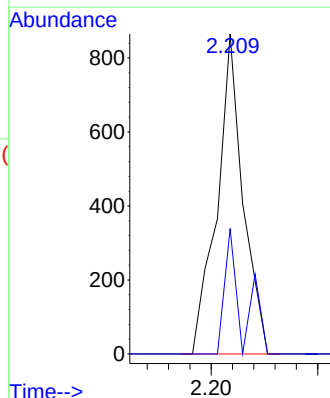
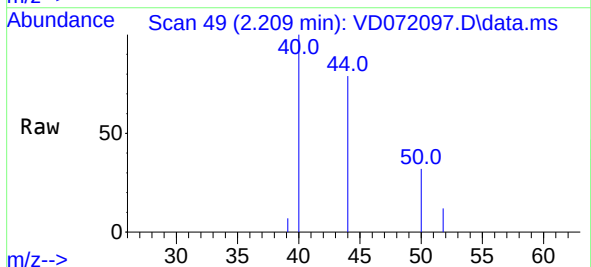
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422

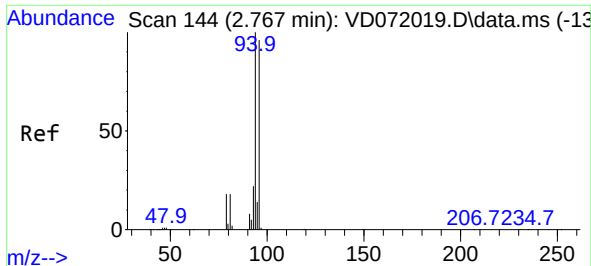
Tgt Ion:168 Resp: 42920
Ion Ratio Lower Upper
168 100
99 58.7 47.1 70.7



#3
Chloromethane
Concen: 2.258 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Tgt Ion: 50 Resp: 730
Ion Ratio Lower Upper
50 100
52 39.2 25.5 38.3#

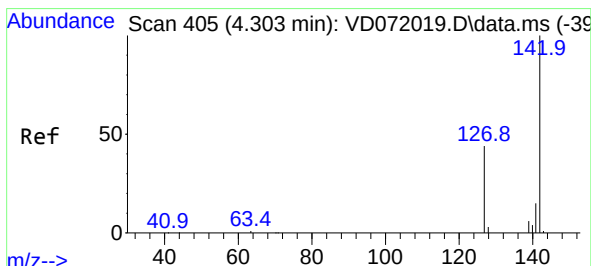
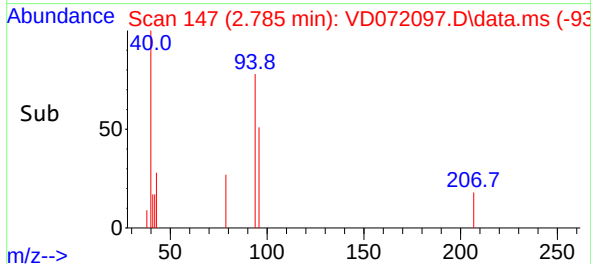
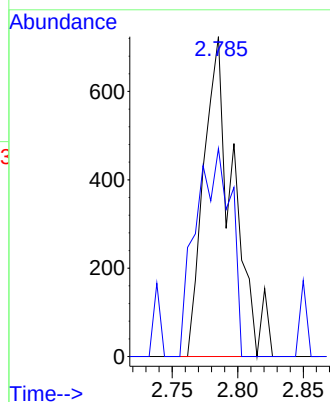
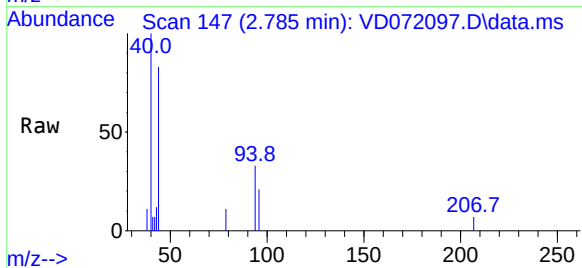




#5
Bromomethane
Concen: 2.956 ug/l
RT: 2.785 min Scan# 144
Delta R.T. 0.018 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

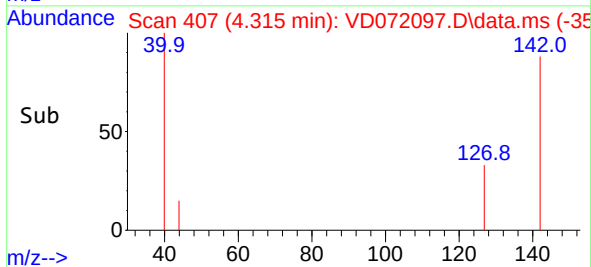
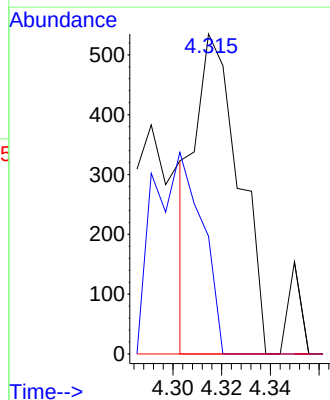
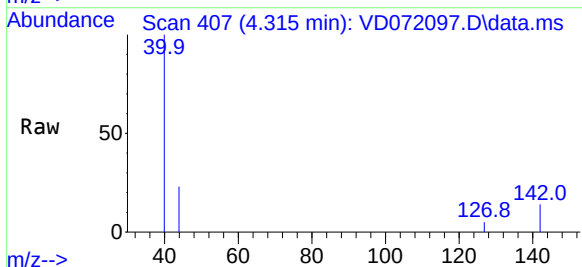
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422

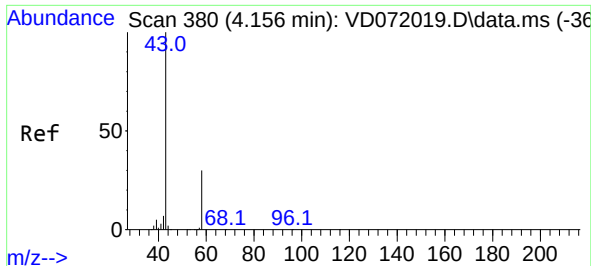
Tgt Ion: 94 Resp: 1139
Ion Ratio Lower Upper
94 100
96 65.1 76.8 115.2#



#10
Methyl Iodide
Concen: 4.223 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Tgt Ion: 142 Resp: 672
Ion Ratio Lower Upper
142 100
127 69.5 35.8 53.8#
141 0.0 11.6 17.4#

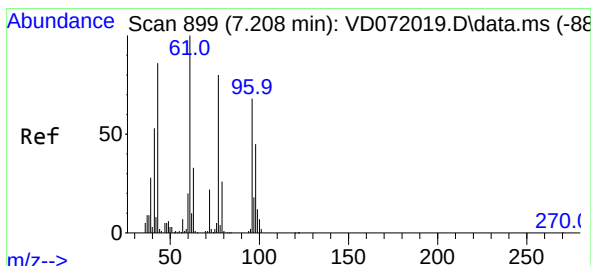
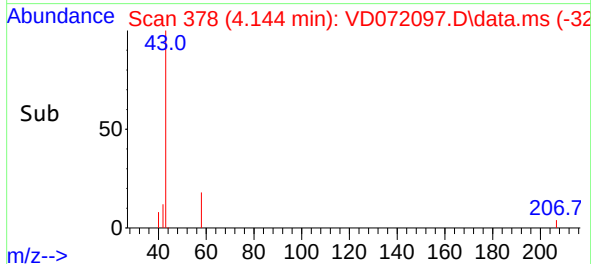
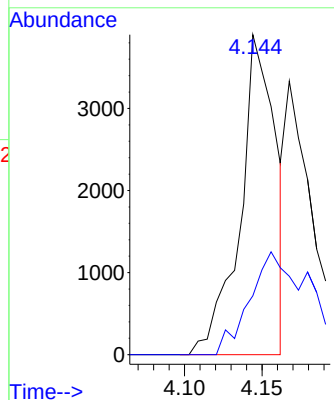
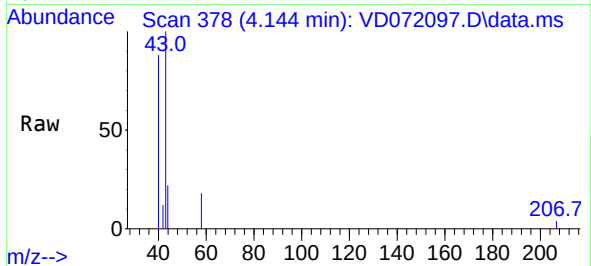




#16
Acetone
Concen: 64.095 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

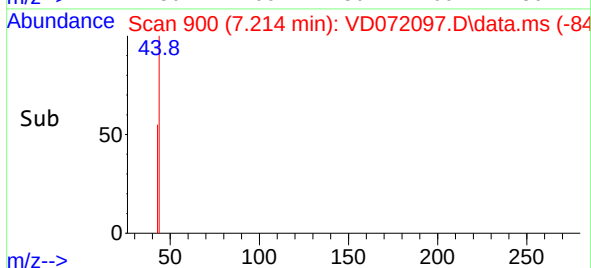
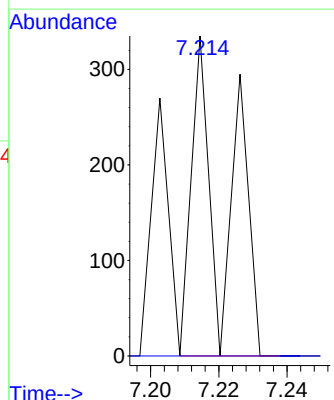
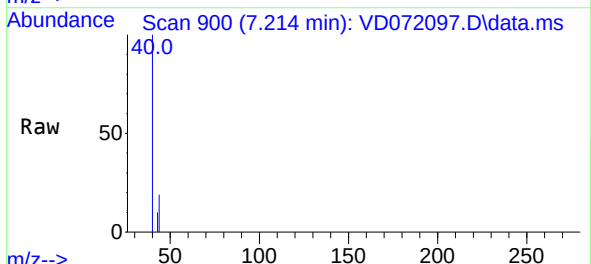
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422

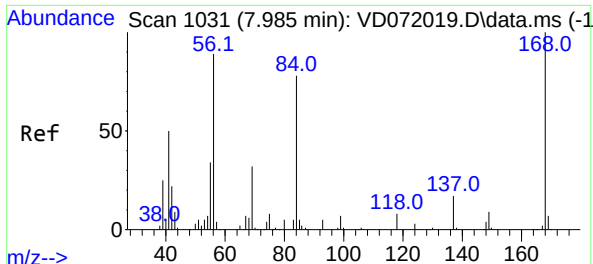
Tgt Ion: 43 Resp: 6167
Ion Ratio Lower Upper
43 100
58 18.4 23.8 35.6#



#25
2-Butanone
Concen: 1.669 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#





#31

Cyclohexane

Concen: 1.323 ug/l

RT: 7.997 min Scan# 1033

Delta R.T. 0.012 min

Lab File: VD072097.D

Acq: 25 Feb 2022 13:42

Instrument :

MSVOA_D

ClientSampleId :

CL-02-022422

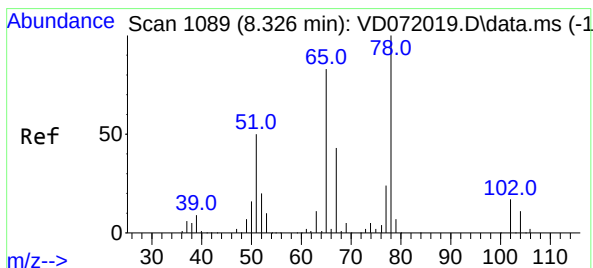
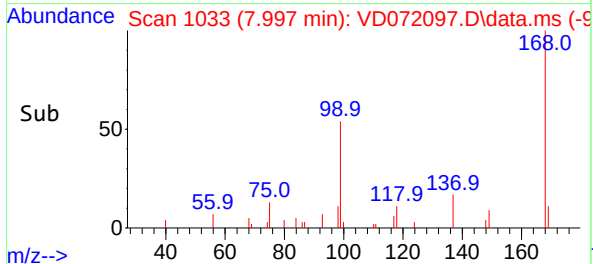
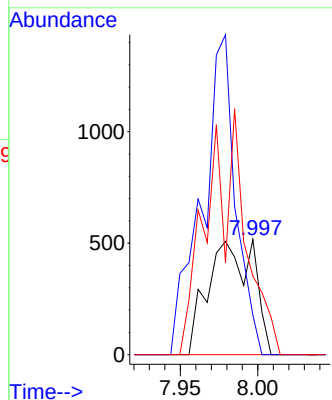
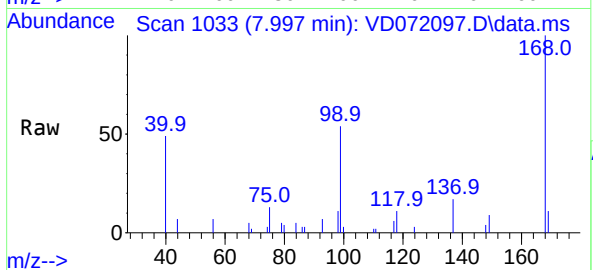
Tgt Ion: 56 Resp: 1040

Ion Ratio Lower Upper

56 100

69 34.4 28.9 43.3

84 68.3 70.6 105.8#



#33

1,2-Dichloroethane-d4

Concen: 81.598 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD072097.D

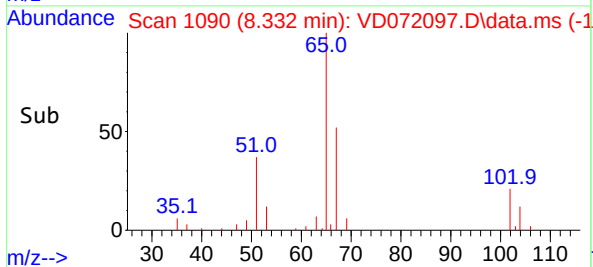
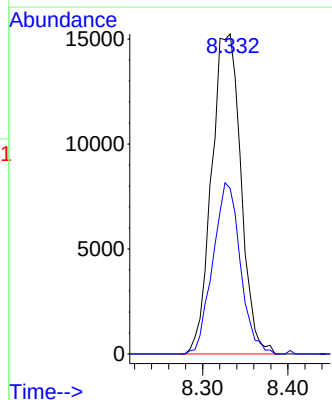
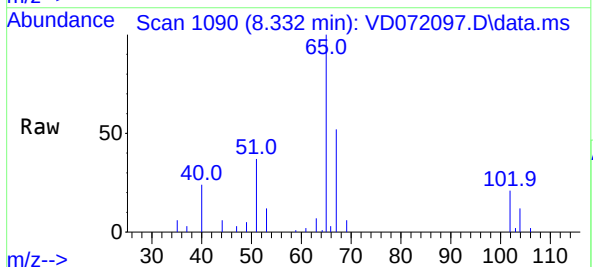
Acq: 25 Feb 2022 13:42

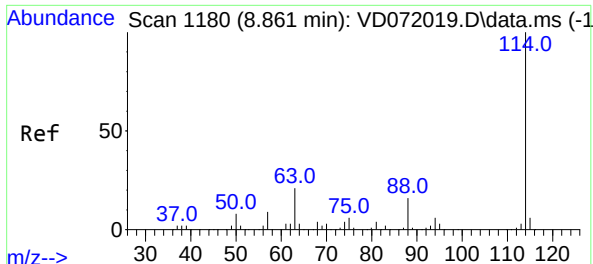
Tgt Ion: 65 Resp: 36328

Ion Ratio Lower Upper

65 100

67 50.3 0.0 105.6



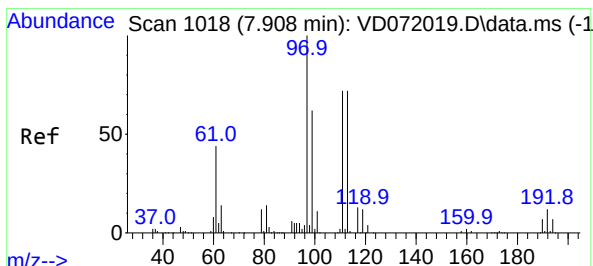
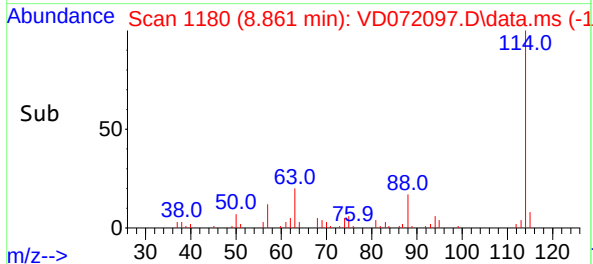
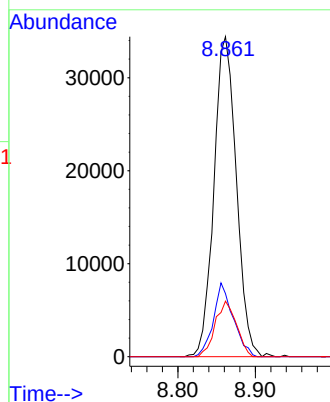
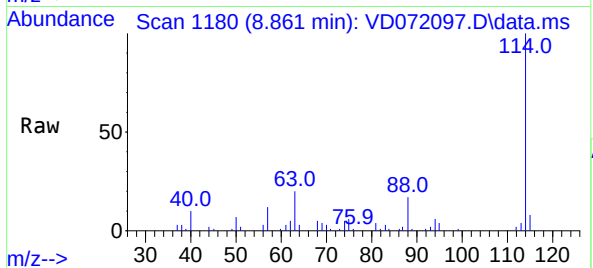


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422

Tgt Ion:114 Resp: 69094

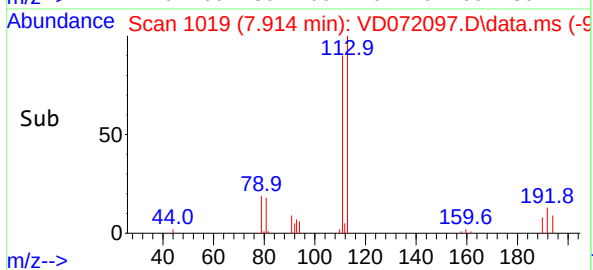
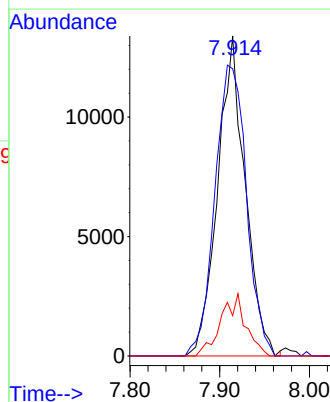
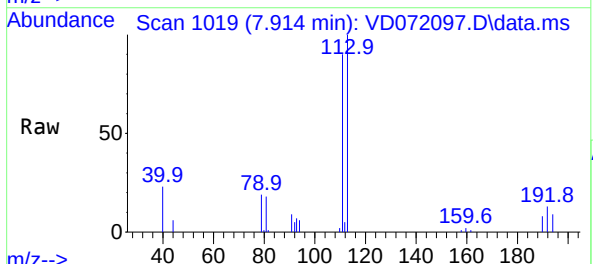
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.2
88	17.3	0.0	31.2

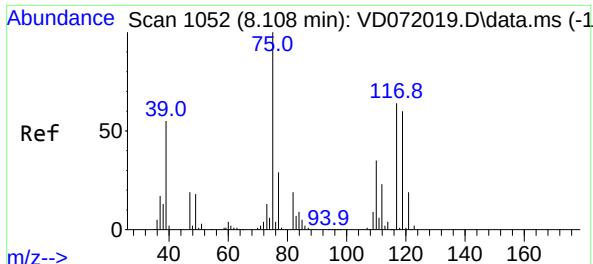


#35
Dibromofluoromethane
Concen: 68.074 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Tgt Ion:113 Resp: 28497

Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.0	124.4
192	17.6	15.3	22.9

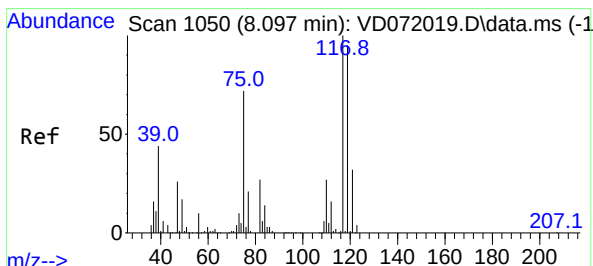
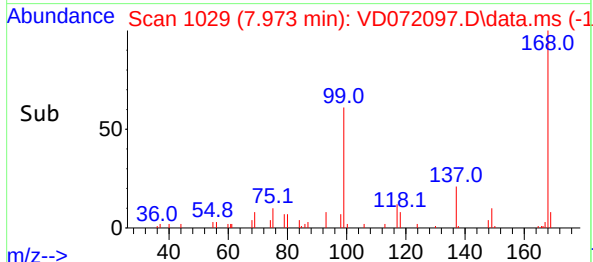
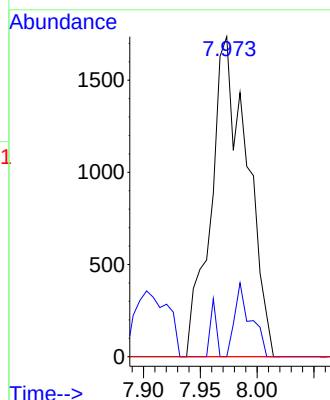
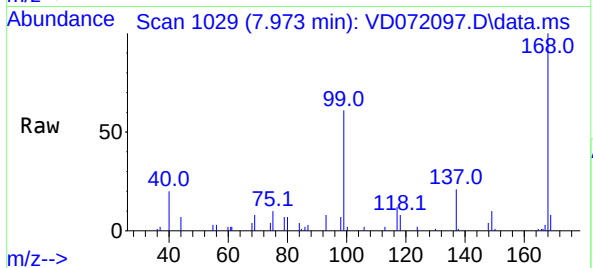




#36
1,1-Dichloropropene
Concen: 6.046 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

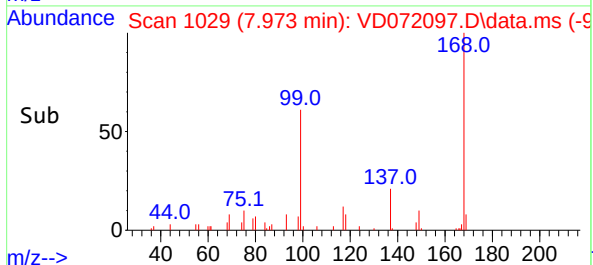
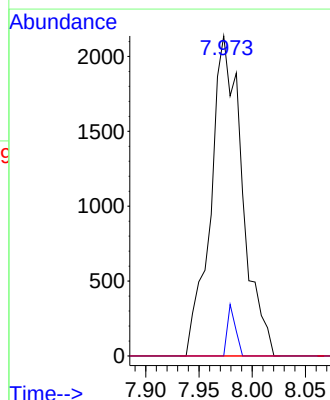
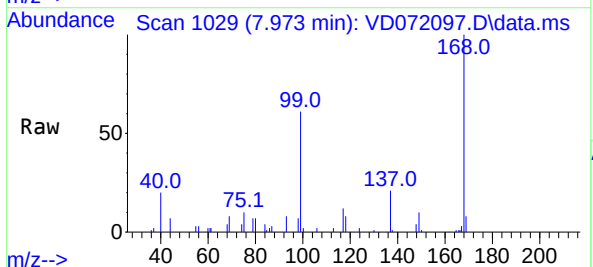
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422

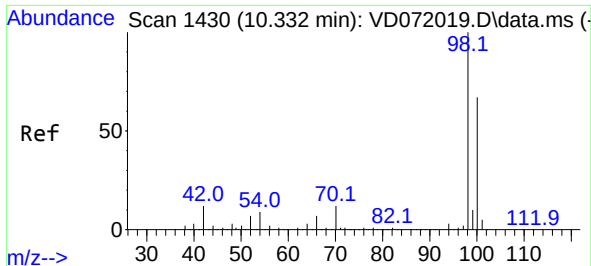
Tgt Ion: 75 Resp: 3834
Ion Ratio Lower Upper
75 100
110 10.3 17.7 53.1#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.768 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Tgt Ion: 117 Resp: 4399
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.8 38.6#

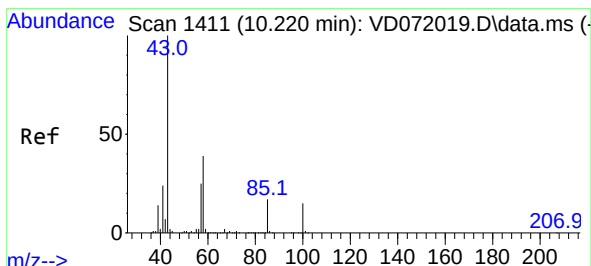
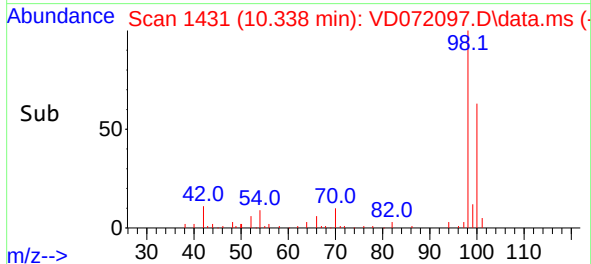
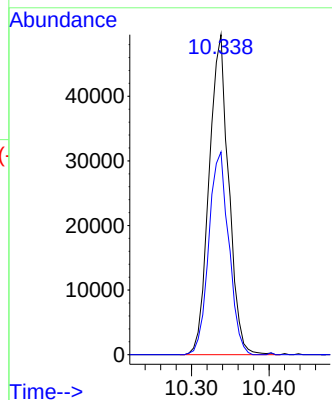
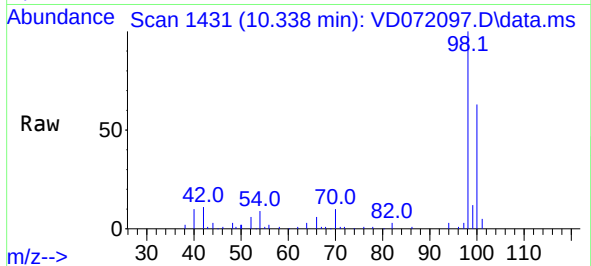




#50
Toluene-d8
Concen: 56.023 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

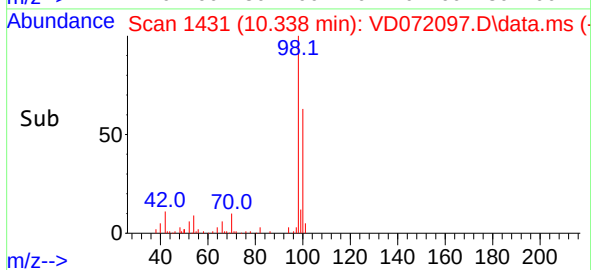
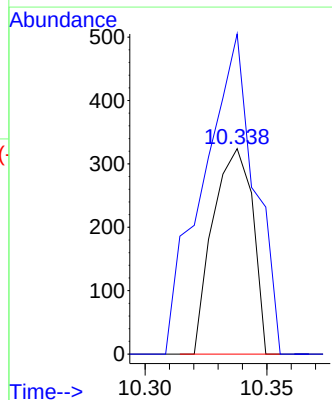
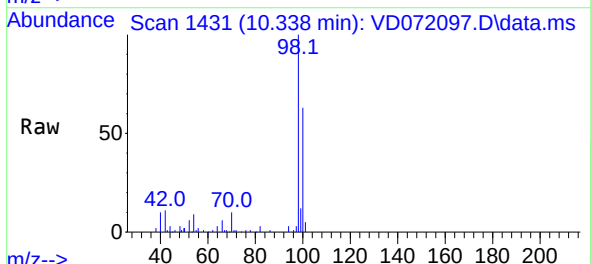
Instrument :
MSVOA_D
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CL-02-022422

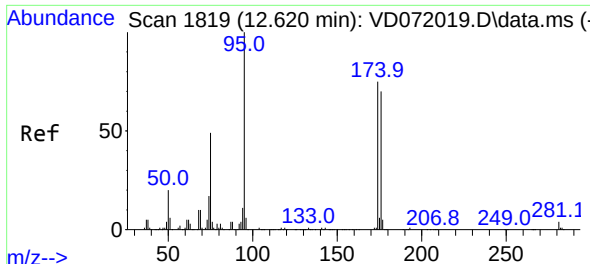
Tgt Ion: 98 Resp: 86971
Ion Ratio Lower Upper
98 100
100 64.7 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 1.268 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.118 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
58 201.9 30.8 46.2#

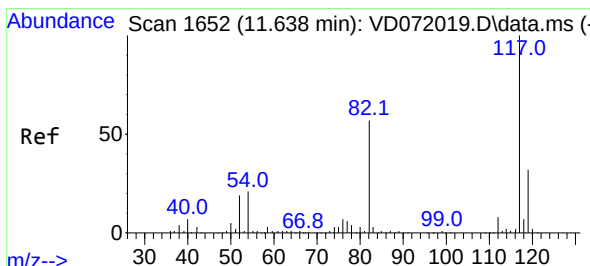
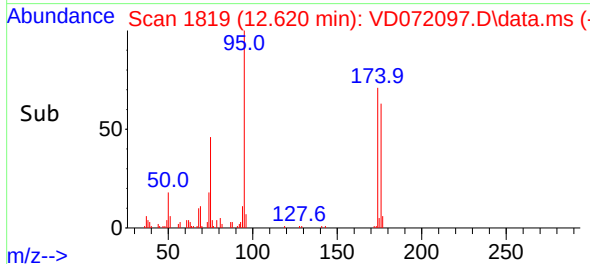
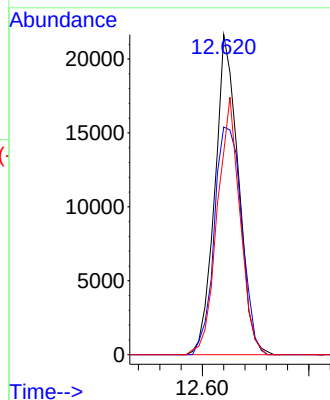
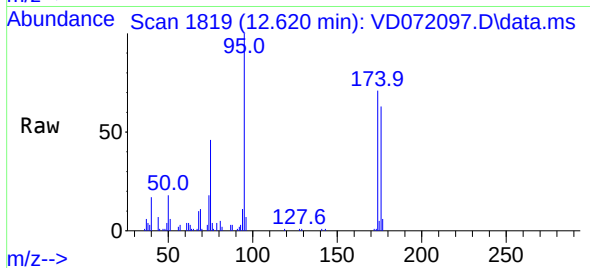




#62
4-Bromofluorobenzene
Concen: 58.133 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

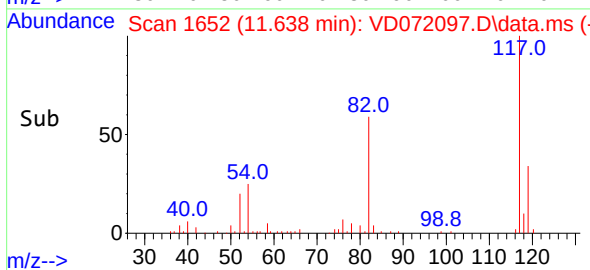
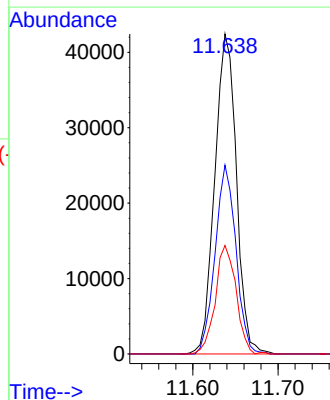
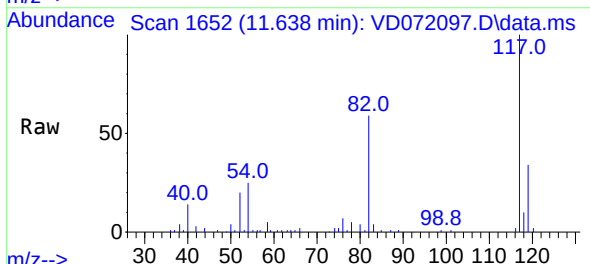
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422

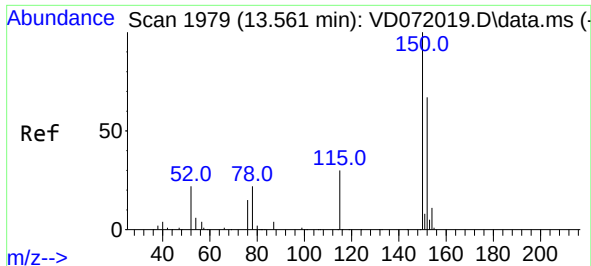
Tgt Ion:	95	Resp:	33150
Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	155.0
176	77.5	0.0	148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Tgt Ion:	117	Resp:	74943
Ion	Ratio	Lower	Upper
117	100		
82	59.0	45.4	68.0
119	33.9	25.4	38.2

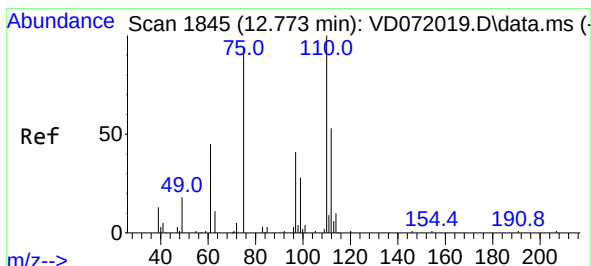
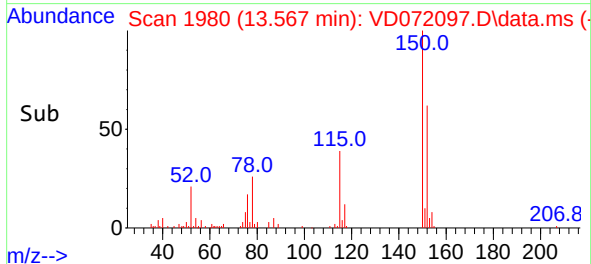
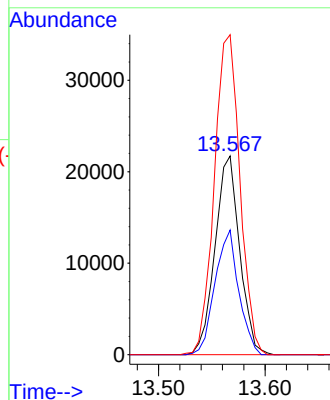
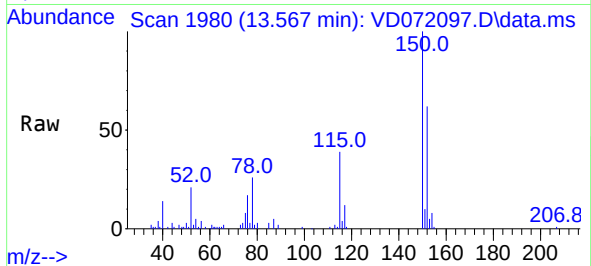




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

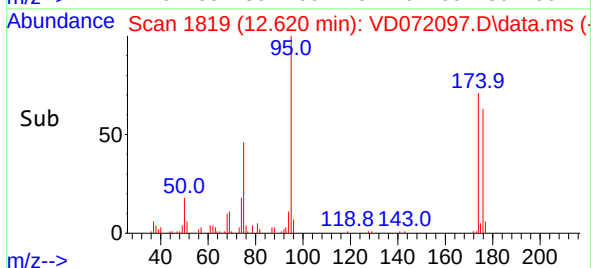
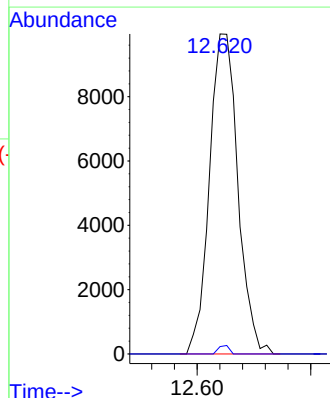
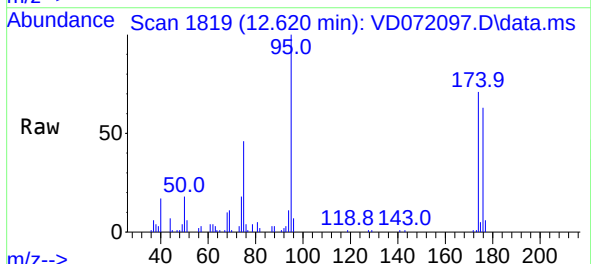
Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422

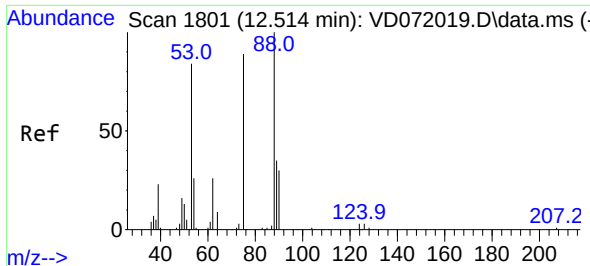
Tgt Ion:152 Resp: 34875
Ion Ratio Lower Upper
152 100
115 60.4 29.9 89.7
150 167.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 52.373 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Tgt Ion: 75 Resp: 17301
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

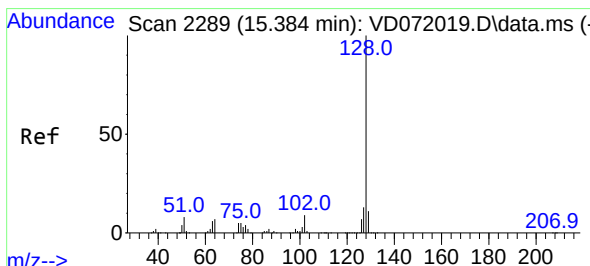
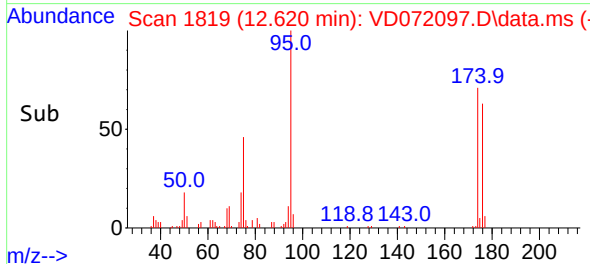
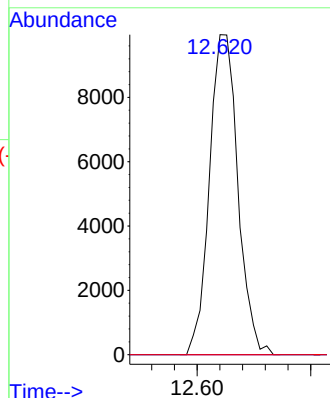
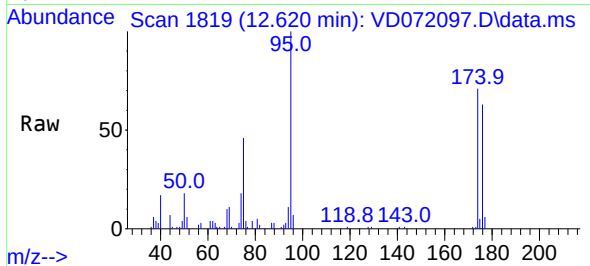




#81
trans-1,4-Dichloro-2-butene
Concen: 131.152 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Instrument :
MSVOA_D
ClientSampleId :
CL-02-022422

Tgt Ion: 75 Resp: 17301
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.4#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 2.237 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072097.D
Acq: 25 Feb 2022 13:42

Tgt Ion: 128 Resp: 2479
Ion Ratio Lower Upper
128 100
127 9.8 10.3 15.5#
129 3.9 8.7 13.1#

