

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022222\
 Data File : VD072061.D
 Acq On : 22 Feb 2022 17:00
 Operator : VA/SY
 Sample : N1626-16RE
 Misc : 6.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 23 05:31:44 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)

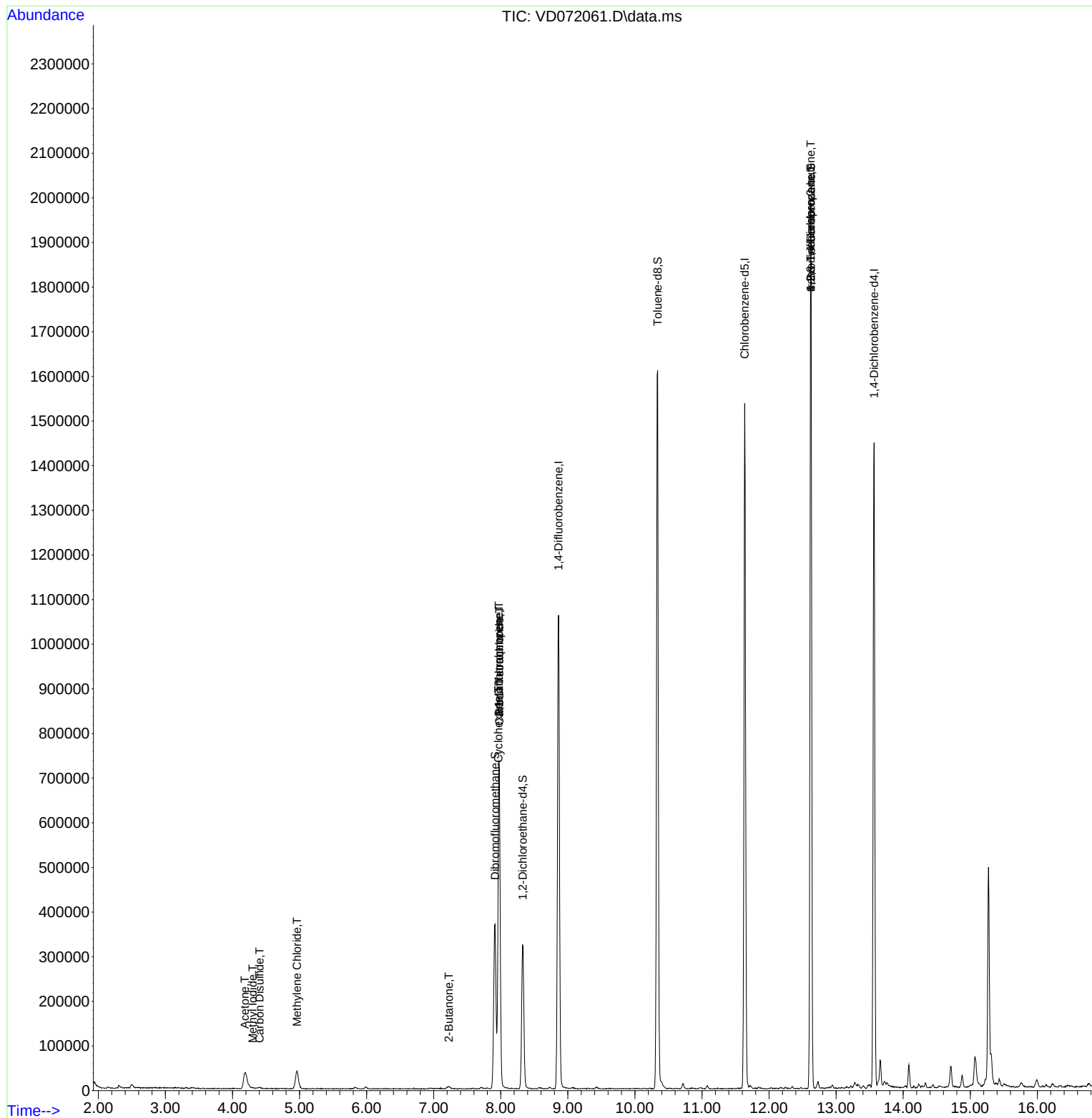
Internal Standards						
1) Pentafluorobenzene	7.973	168	545805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	935297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	859892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	390552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	266746	47.115	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.220%		
35) Dibromofluoromethane	7.914	113	272007	48.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.000%		
50) Toluene-d8	10.338	98	1128658	53.709	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.420%		
62) 4-Bromofluorobenzene	12.626	95	406252	52.629	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.260%		
Target Compounds						
5) Bromomethane	2.779	94	535	Below Cal		92
10) Methyl Iodide	4.303	142	911	3.062 ug/l #		83
16) Acetone	4.185	43	95356	77.932 ug/l		95
17) Carbon Disulfide	4.403	76	4960	1.014 ug/l #		84
18) Methyl Acetate	4.703	43	485	Below Cal #		52
20) Methylene Chloride	4.961	84	30496	5.008 ug/l #		90
25) 2-Butanone	7.226	43	7831	4.631 ug/l		96
31) Cyclohexane	7.967	56	12111	1.211 ug/l #		16
36) 1,1-Dichloropropene	7.973	75	44109	5.139 ug/l #		49
38) Carbon Tetrachloride	7.979	117	57808	6.571 ug/l #		15
76) 1,2,3-Trichloropropane	12.620	75	213114	57.608 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	213114	144.262 ug/l #		10

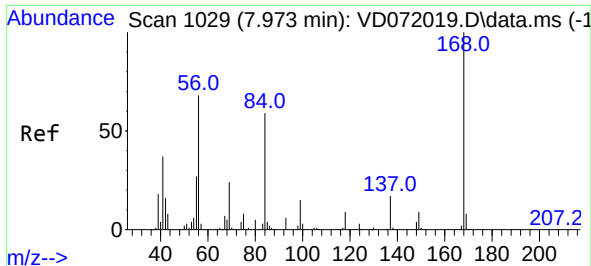
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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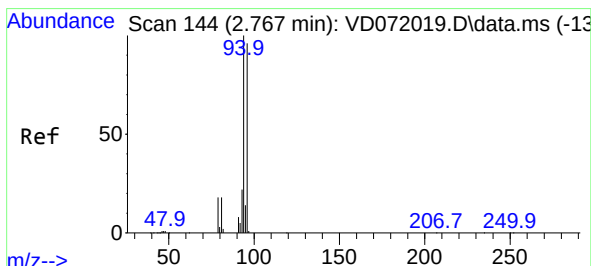
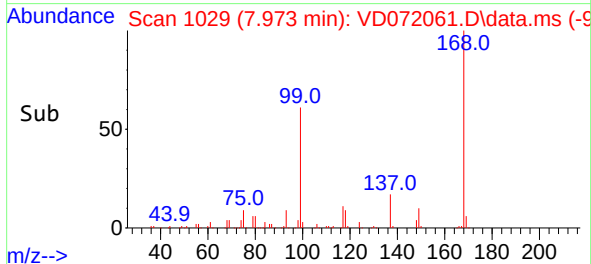
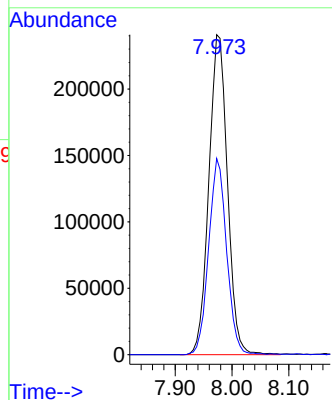
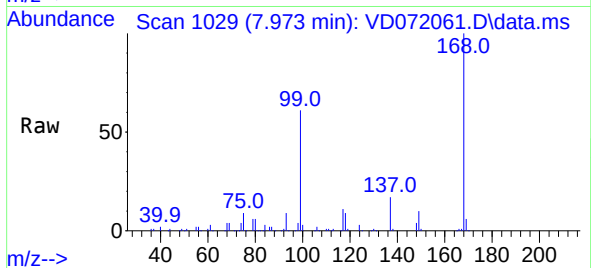




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

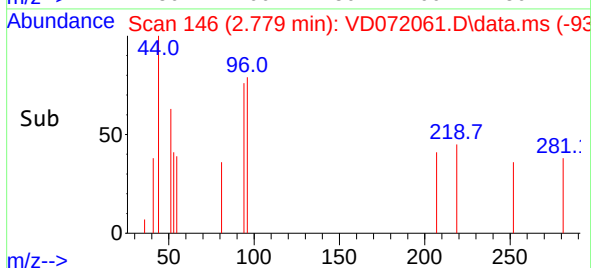
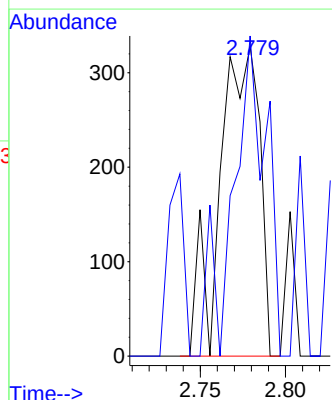
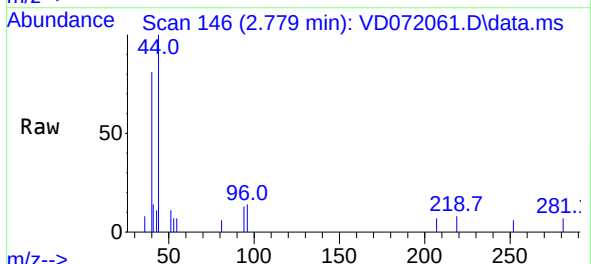
Instrument :
MSVOA_D
ClientSampleId :

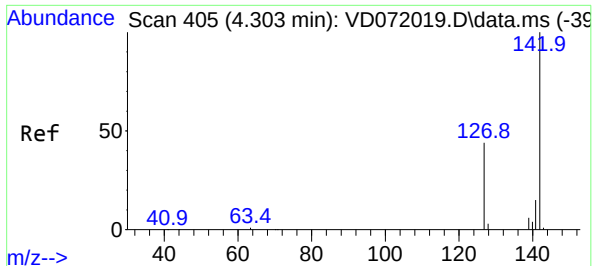
Tgt Ion:168 Resp: 545805
Ion Ratio Lower Upper
168 100
99 61.3 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

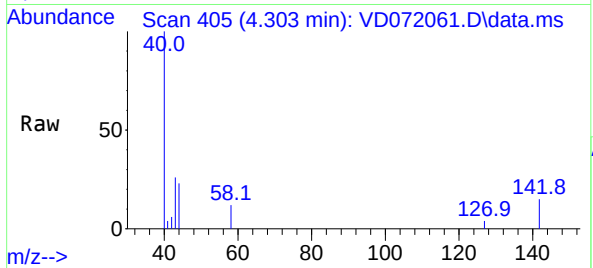
Tgt Ion: 94 Resp: 535
Ion Ratio Lower Upper
94 100
96 103.4 76.8 115.2



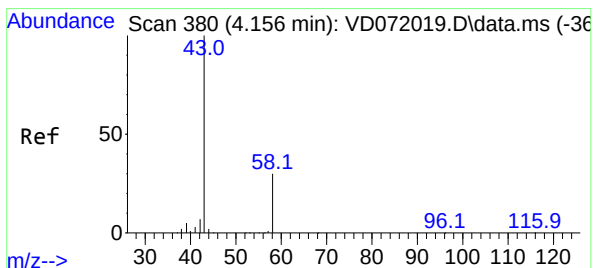
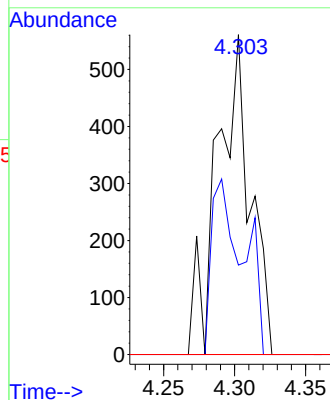
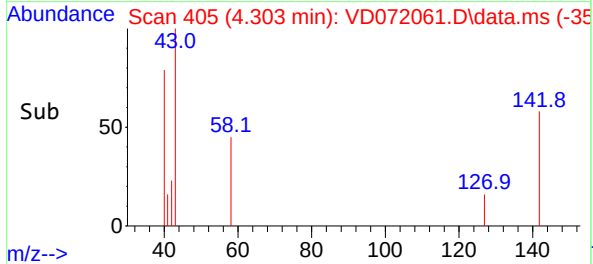


#10
Methyl Iodide
Concen: 3.062 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Instrument :
MSVOA_D
ClientSampleId :

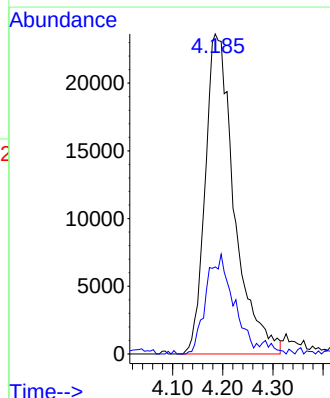
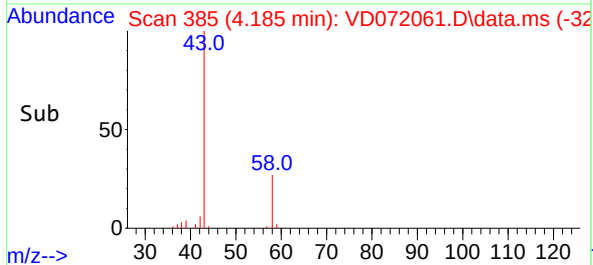
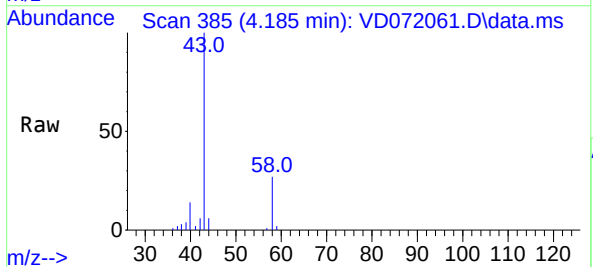


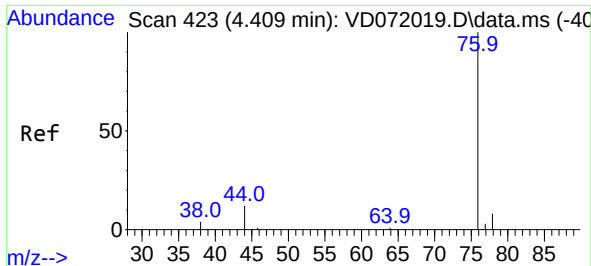
Tgt Ion:142 Resp: 911
Ion Ratio Lower Upper
142 100
127 52.3 35.8 53.8
141 0.0 11.6 17.4#



#16
Acetone
Concen: 77.932 ug/l
RT: 4.185 min Scan# 385
Delta R.T. 0.029 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Tgt Ion: 43 Resp: 95356
Ion Ratio Lower Upper
43 100
58 27.2 23.8 35.6

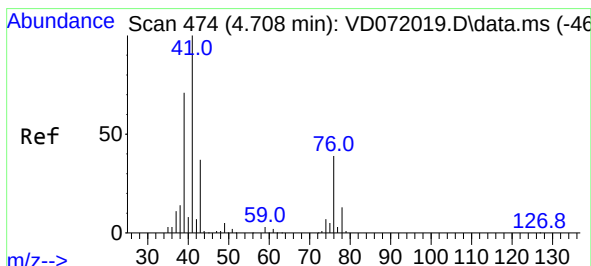
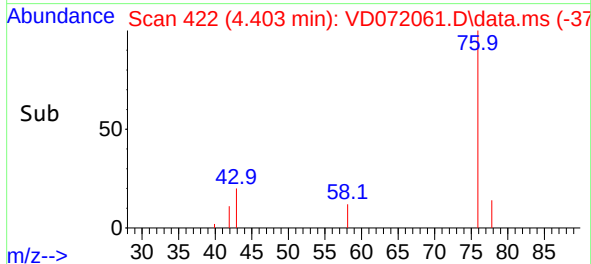
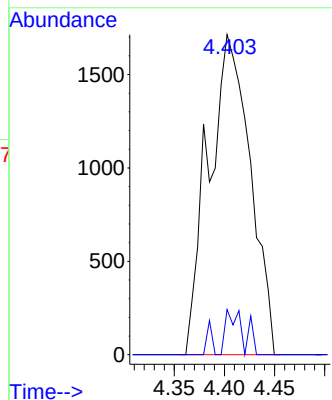
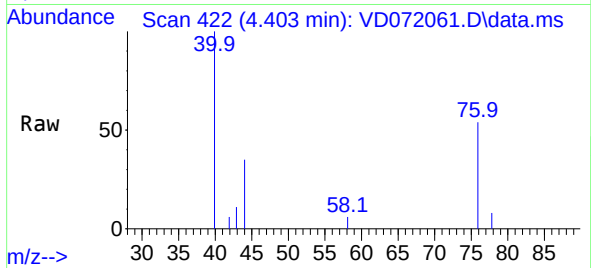




#17
Carbon Disulfide
Concen: 1.014 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

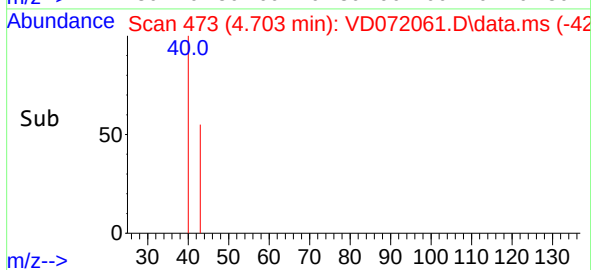
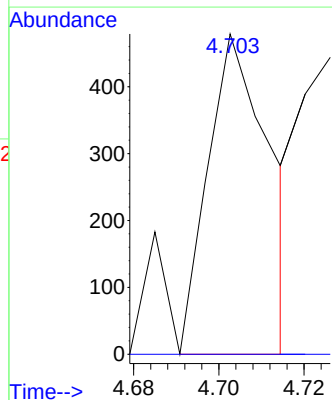
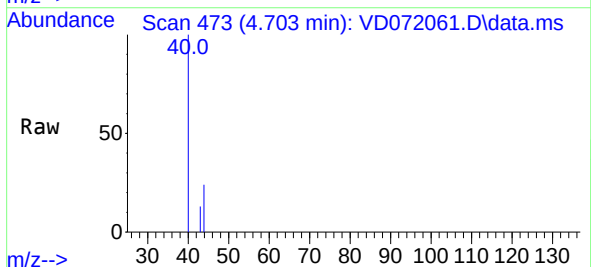
Instrument :
MSVOA_D
ClientSampleId :

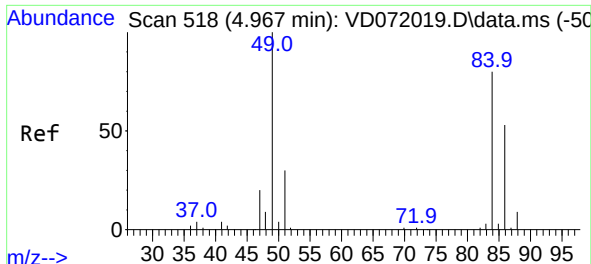
Tgt Ion: 76 Resp: 4960
Ion Ratio Lower Upper
76 100
78 14.1 6.7 10.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.005 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

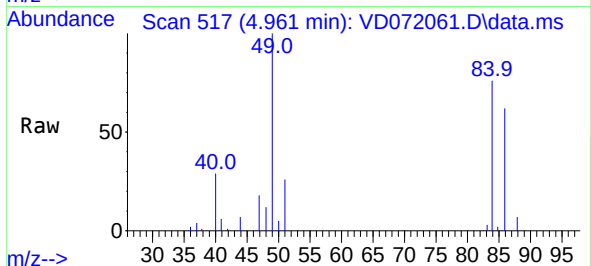
Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



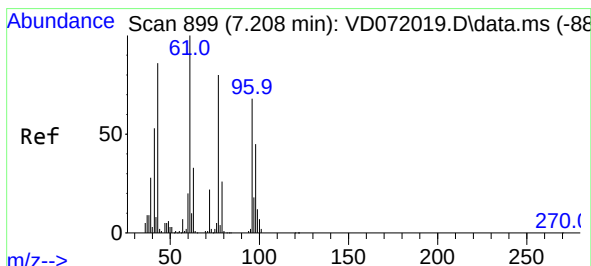
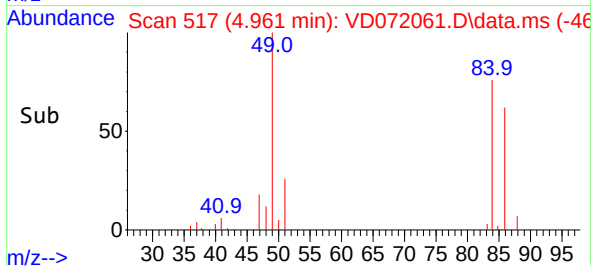
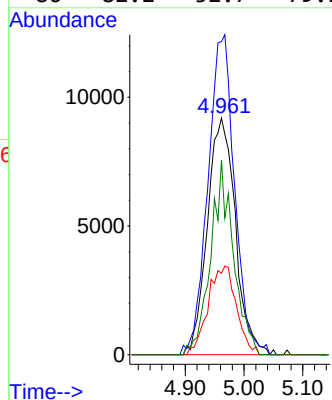


#20
Methylene Chloride
Concen: 5.008 ug/l
RT: 4.961 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Instrument :
MSVOA_D
ClientSampleId :

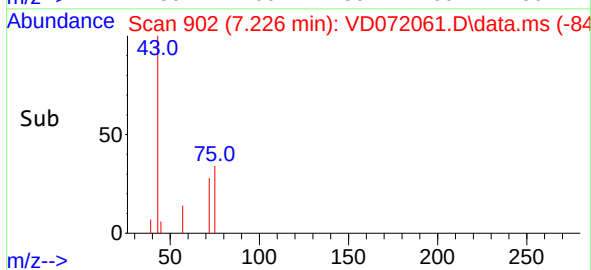
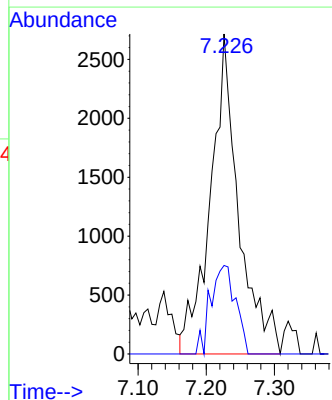
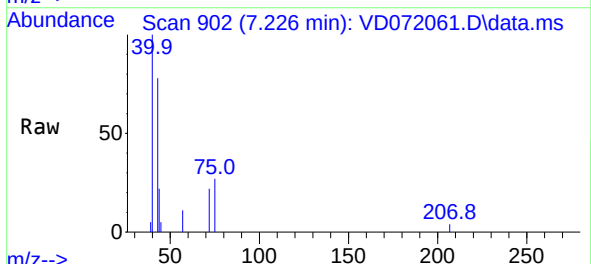


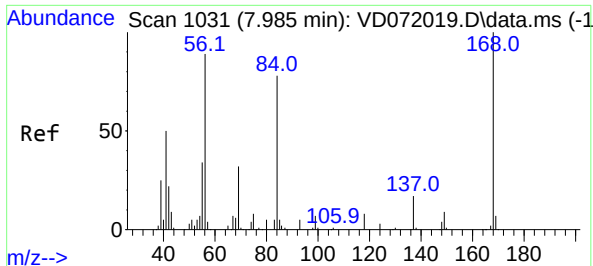
Tgt Ion: 84 Resp: 30496
Ion Ratio Lower Upper
84 100
49 132.3 100.0 150.0
51 34.4 30.2 45.4
86 82.2 52.7 79.1#



#25
2-Butanone
Concen: 4.631 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.018 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

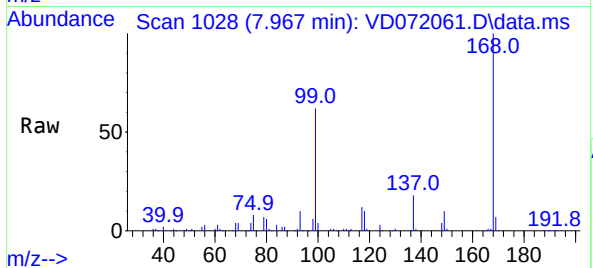
Tgt Ion: 43 Resp: 7831
Ion Ratio Lower Upper
43 100
72 27.7 20.3 30.5



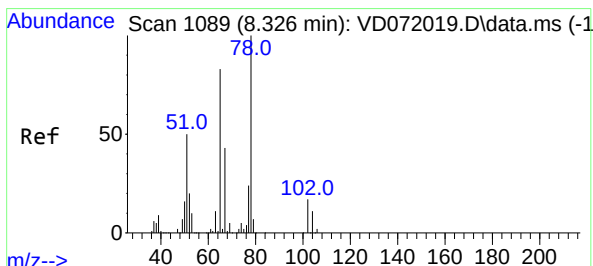
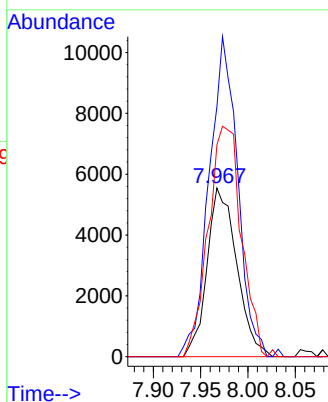
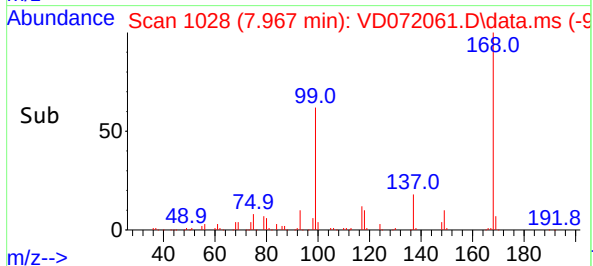


#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.967 min Scan# 1031
Delta R.T. -0.018 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Instrument :
MSVOA_D
ClientSampleId :

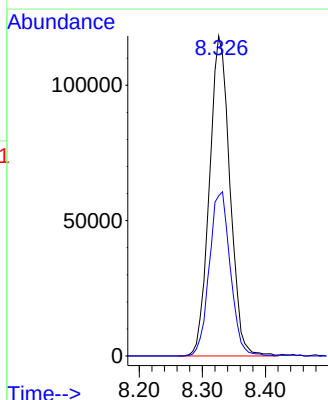
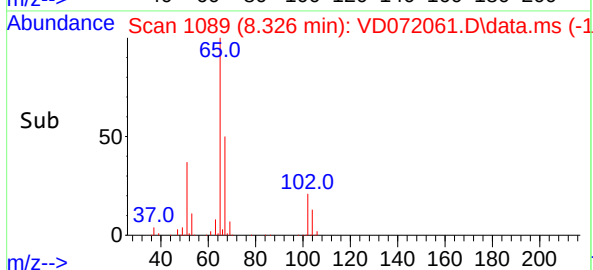
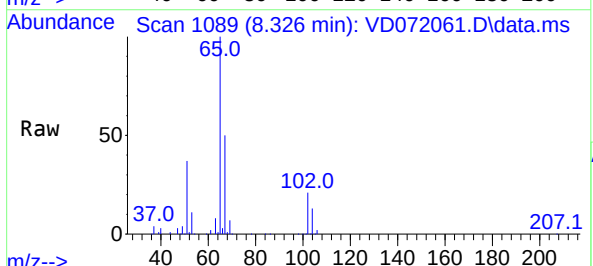


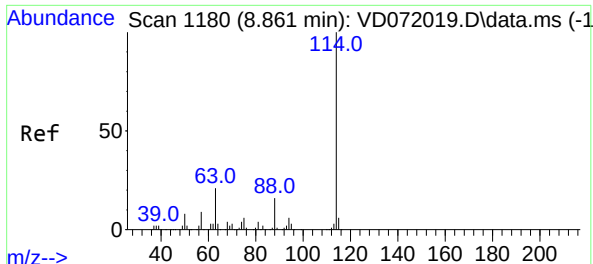
Tgt Ion: 56 Resp: 12111
Ion Ratio Lower Upper
56 100
69 148.3 28.9 43.3#
84 125.6 70.6 105.8#



#33
1,2-Dichloroethane-d4
Concen: 47.115 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Tgt Ion: 65 Resp: 266746
Ion Ratio Lower Upper
65 100
67 52.4 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: VD072061.D

Acq: 22 Feb 2022 17:00

Instrument :

MSVOA_D

ClientSampleId :

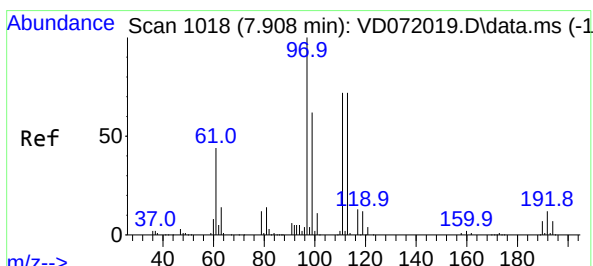
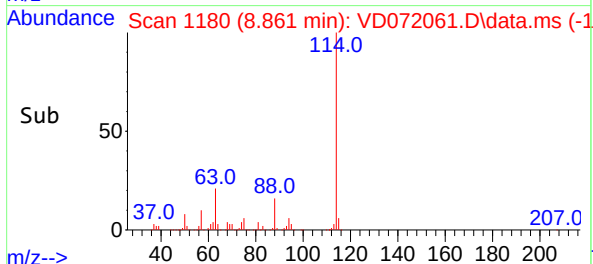
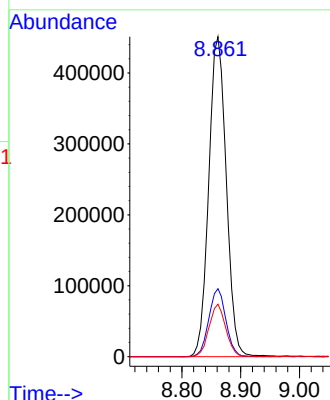
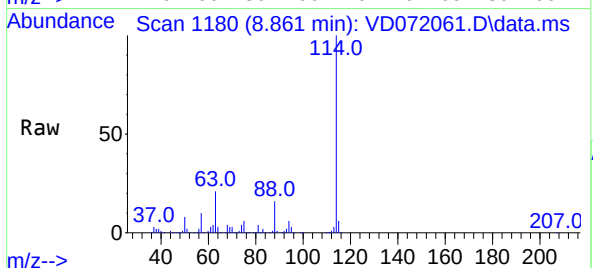
Tgt Ion:114 Resp: 935297

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.2

88 16.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 48.001 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072061.D

Acq: 22 Feb 2022 17:00

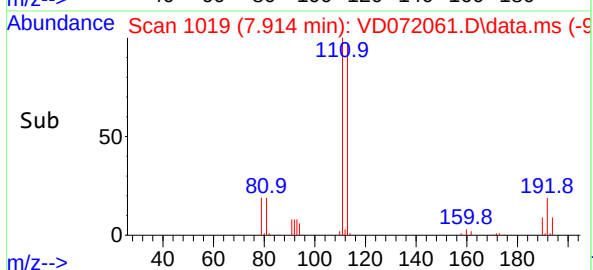
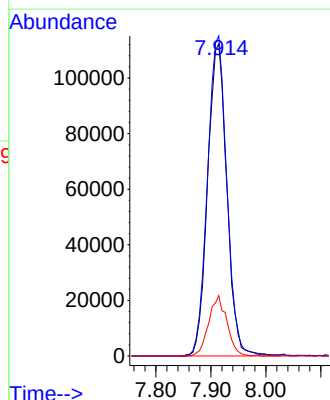
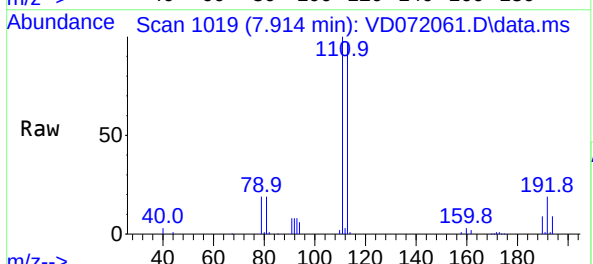
Tgt Ion:113 Resp: 272007

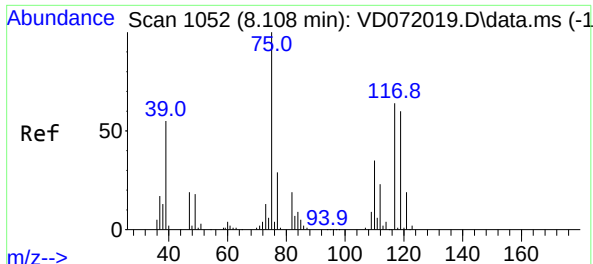
Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

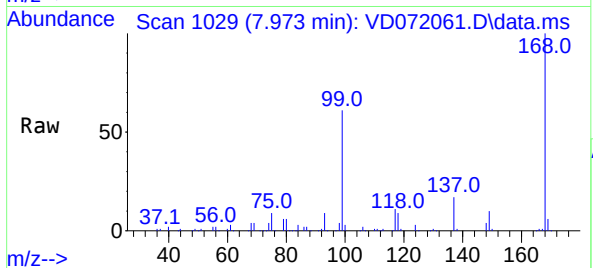
192 18.3 15.3 22.9



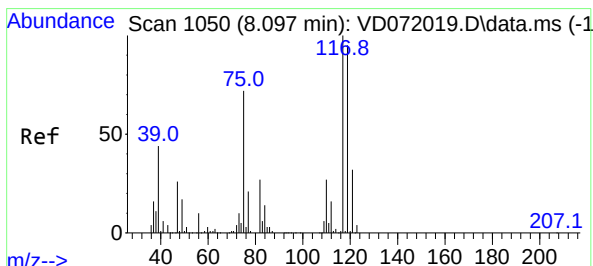
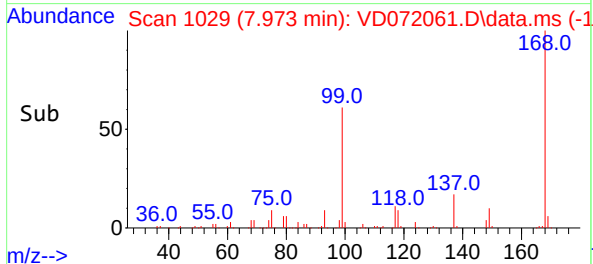
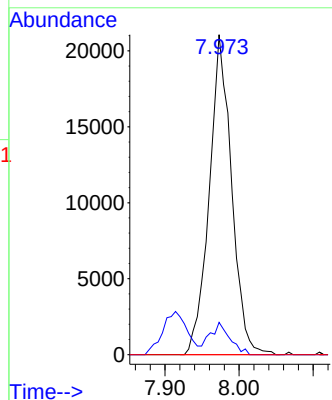


#36
1,1-Dichloropropene
Concen: 5.139 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Instrument :
MSVOA_D
ClientSampleId :

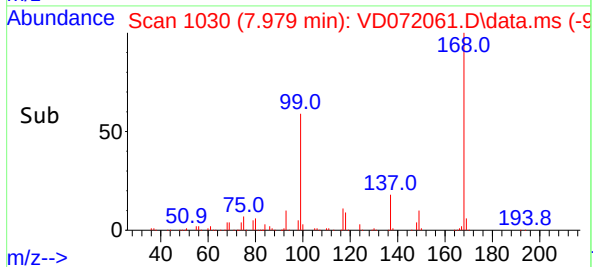
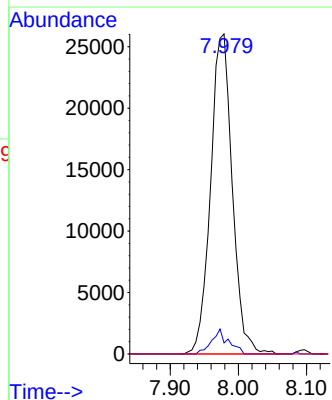
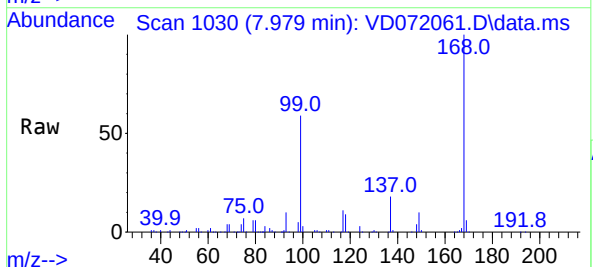


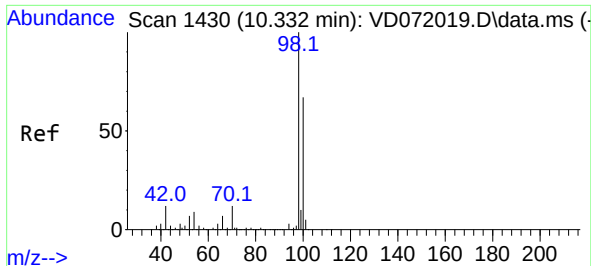
Tgt Ion: 75 Resp: 44109
Ion Ratio Lower Upper
75 100
110 8.9 17.7 53.1#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.571 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Tgt Ion: 117 Resp: 57808
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.8#
121 0.0 25.8 38.6#

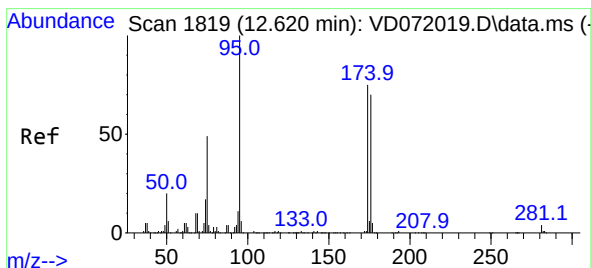
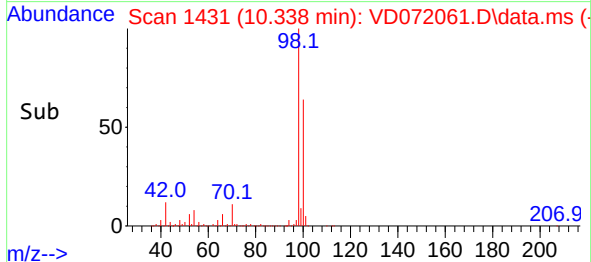
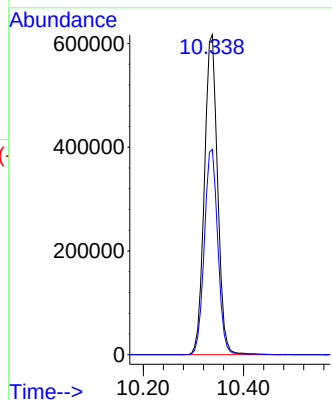
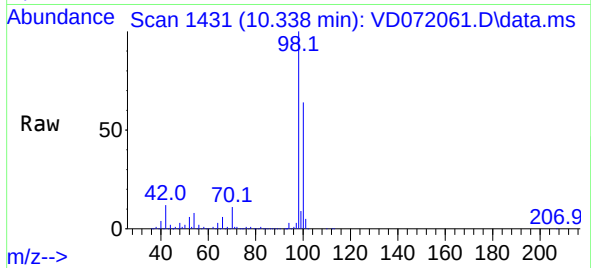




#50
Toluene-d8
Concen: 53.709 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

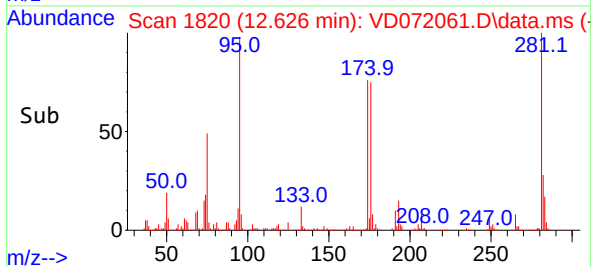
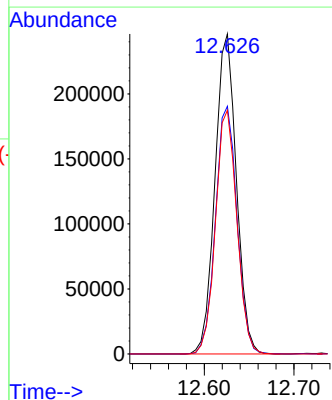
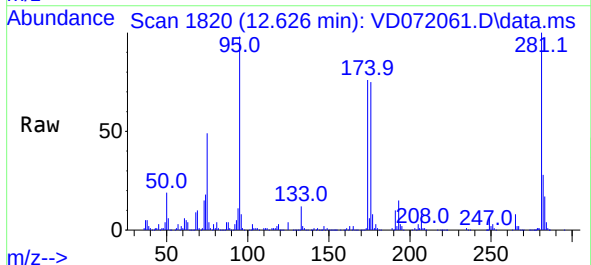
Instrument :
MSVOA_D
ClientSampleId :

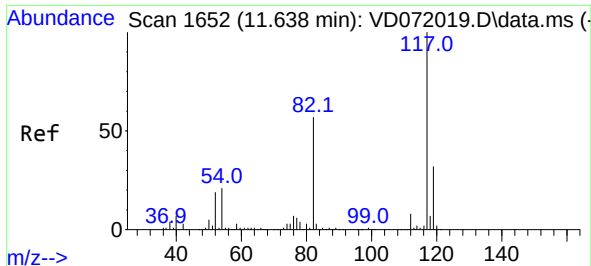
Tgt Ion: 98 Resp: 1128658
Ion Ratio Lower Upper
98 100
100 65.5 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 52.629 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Tgt Ion: 95 Resp: 406252
Ion Ratio Lower Upper
95 100
174 78.2 0.0 155.0
176 75.9 0.0 148.8

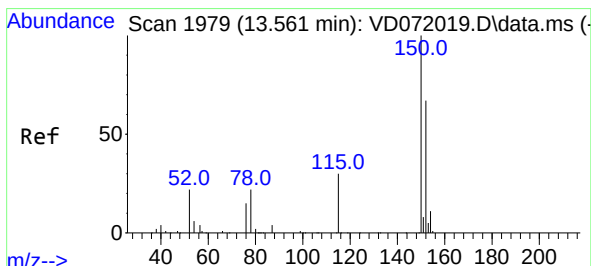
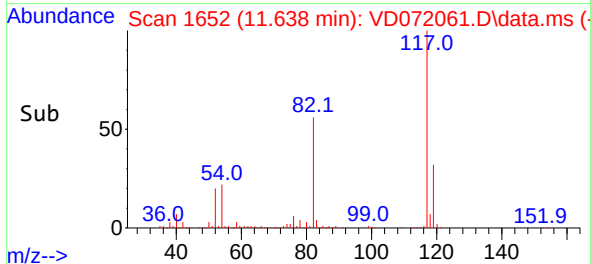
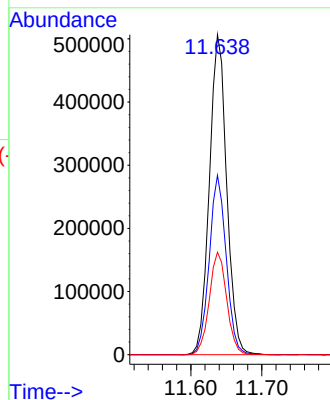
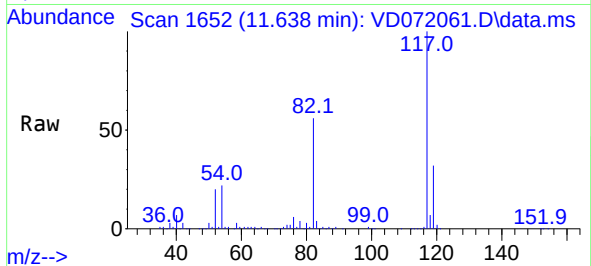




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

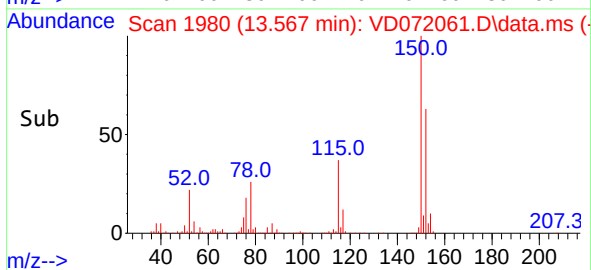
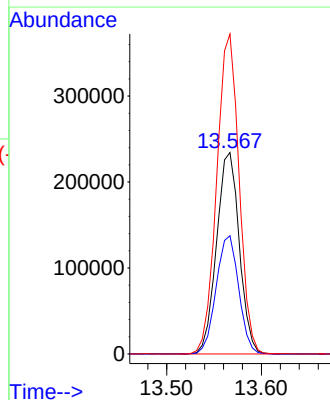
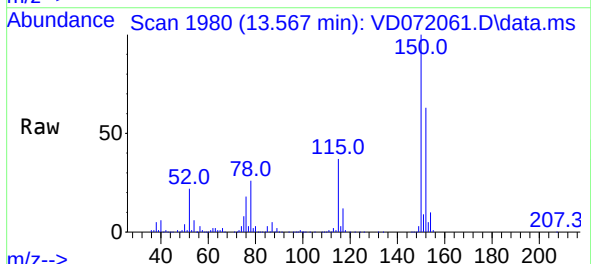
Instrument :
MSVOA_D
ClientSampleId :

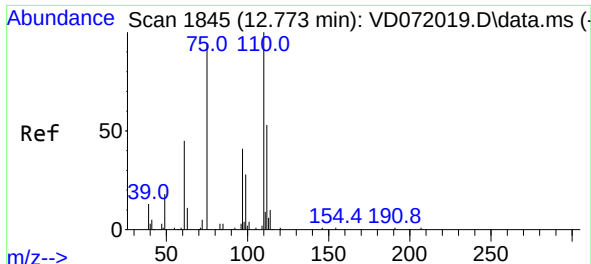
Tgt Ion:117 Resp: 859892
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.0
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Tgt Ion:152 Resp: 390552
Ion Ratio Lower Upper
152 100
115 58.4 29.9 89.7
150 156.0 0.0 347.6

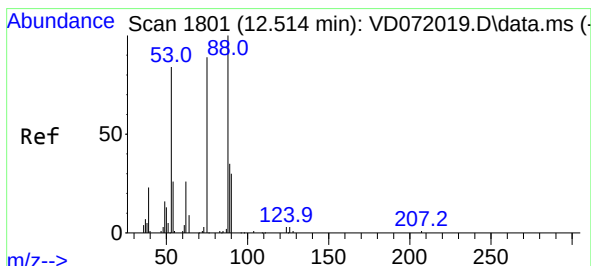
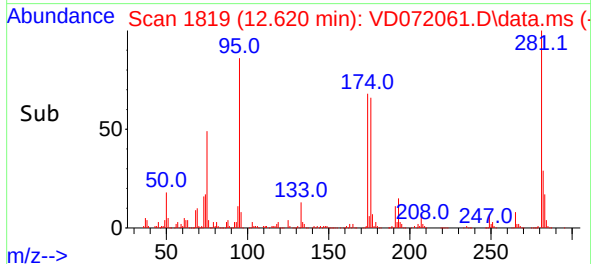
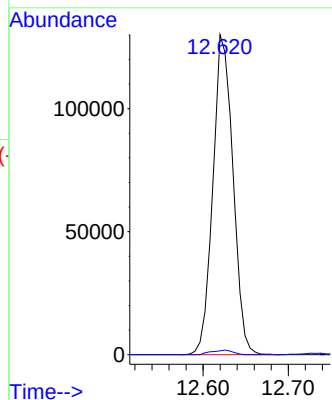
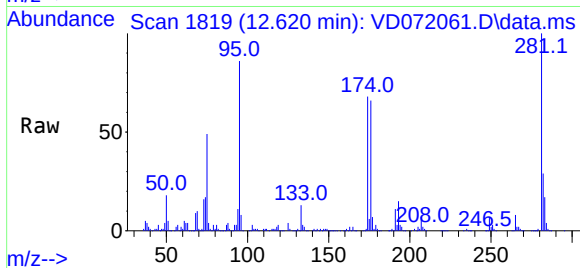




#76
1,2,3-Trichloropropane
Concen: 57.608 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 213114
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.262 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072061.D
Acq: 22 Feb 2022 17:00

Tgt Ion: 75 Resp: 213114
Ion Ratio Lower Upper
75 100
53 0.1 80.2 120.4#
89 1.6 36.4 54.6#

