

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031422\
 Data File : VD072176.D
 Acq On : 14 Mar 2022 19:18
 Operator : VA/SY
 Sample : N1888-02
 Misc : 5.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-2(PILE-2)

Quant Time: Mar 15 01:25:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

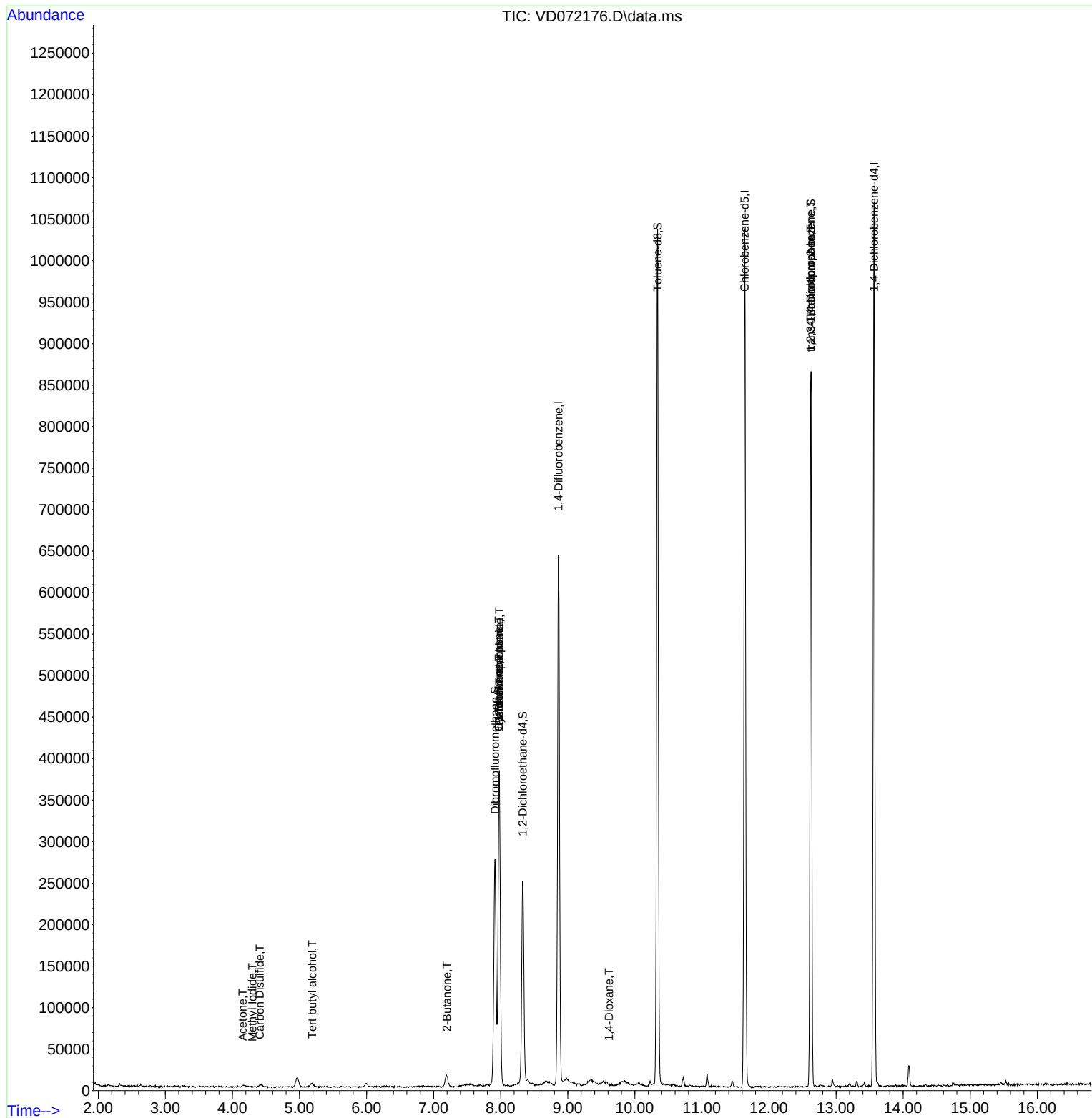
Internal Standards						
1) Pentafluorobenzene	7.979	168	279699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	546860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	581240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	280340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198409	63.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.300%	
35) Dibromofluoromethane	7.914	113	191275	49.704	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.400%	
50) Toluene-d8	10.338	98	707063	50.248	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.500%	
62) 4-Bromofluorobenzene	12.626	95	272283	49.800	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.600%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	368	2.350	ug/l #	77
11) Tert butyl alcohol	5.191	59	5505	30.459	ug/l #	74
16) Acetone	4.150	43	2811	4.153	ug/l #	81
17) Carbon Disulfide	4.409	76	4215	2.182	ug/l #	93
20) Methylene Chloride	4.967	84	9048	Below Cal	#	83
25) 2-Butanone	7.197	43	1013	1.123	ug/l #	52
31) Cyclohexane	7.973	56	6658	1.367	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	22367	4.143	ug/l #	51
38) Carbon Tetrachloride	7.979	117	28977	4.722	ug/l #	17
49) 1,4-Dioxane	9.614	88	67	2.689	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	139250	45.030	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	139250	111.723	ug/l #	7

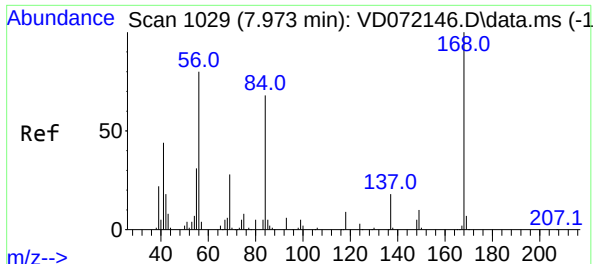
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

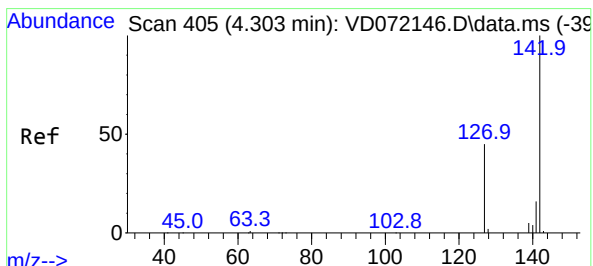
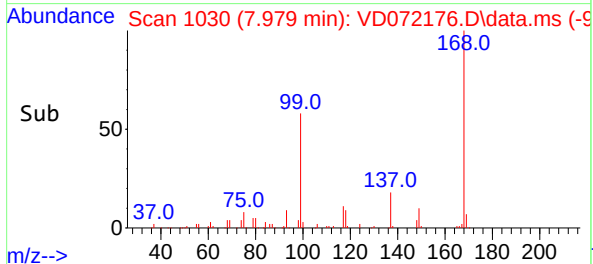
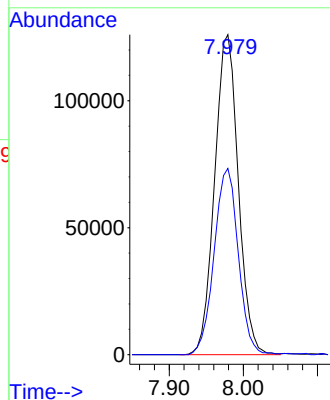
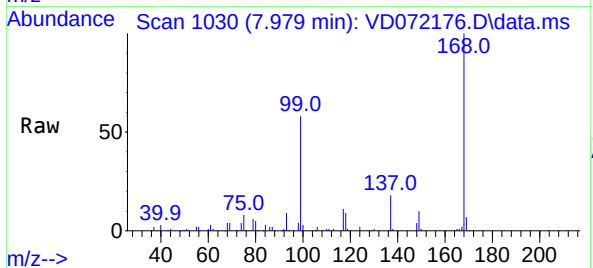




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

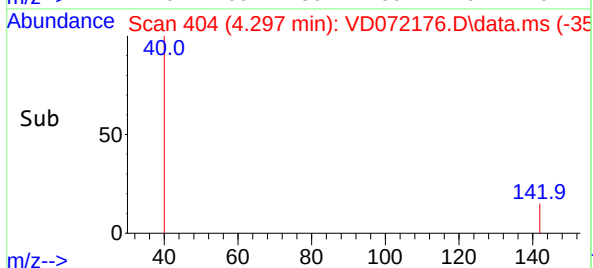
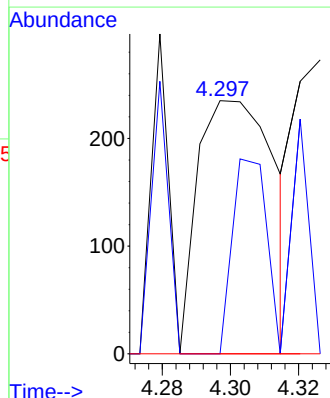
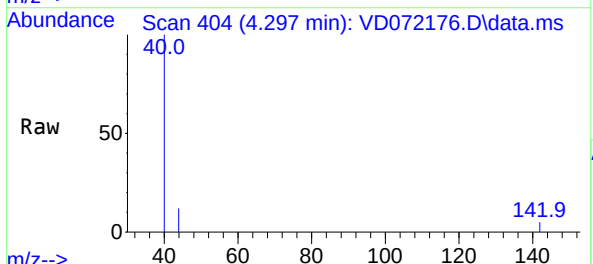
Instrument :
MSVOA_D
ClientSampleId :
SS-2(PILE-2)

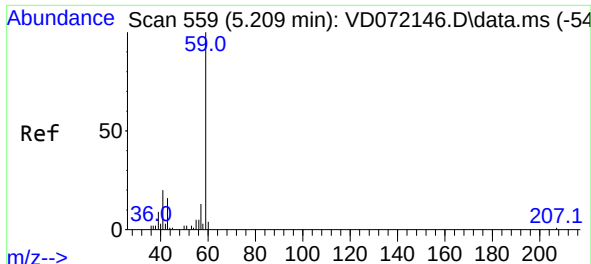
Tgt Ion:168 Resp: 279699
Ion Ratio Lower Upper
168 100
99 58.2 49.8 74.6



#10
Methyl Iodide
Concen: 2.350 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

Tgt Ion:142 Resp: 368
Ion Ratio Lower Upper
142 100
127 34.2 37.3 55.9#
141 0.0 11.7 17.5#

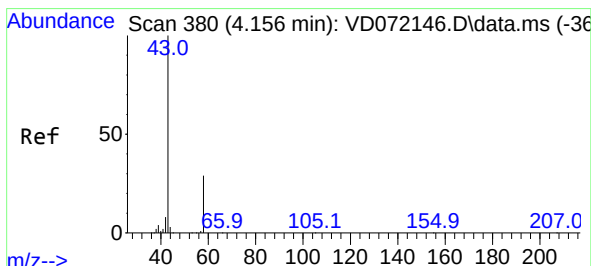
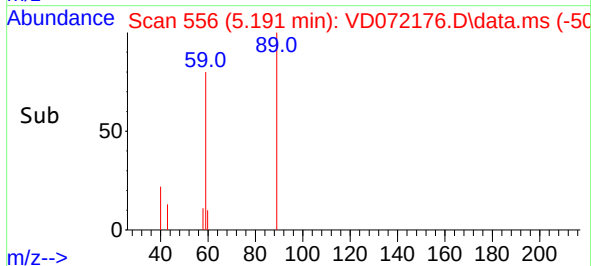
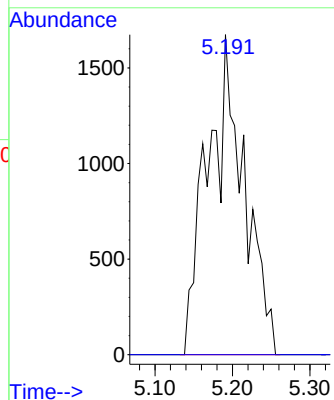
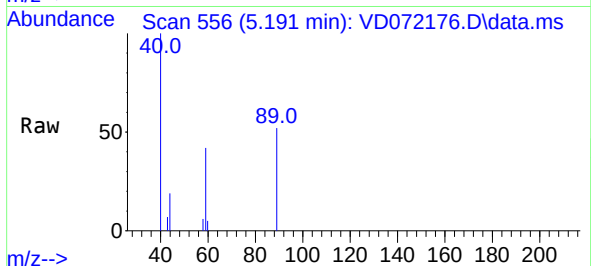




#11
Tert butyl alcohol
Concen: 30.459 ug/l
RT: 5.191 min Scan# 511
Delta R.T. -0.018 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

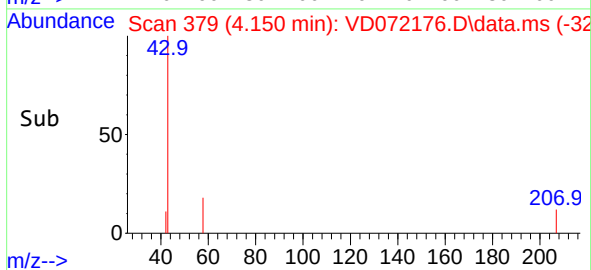
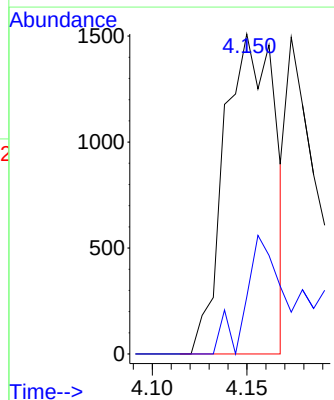
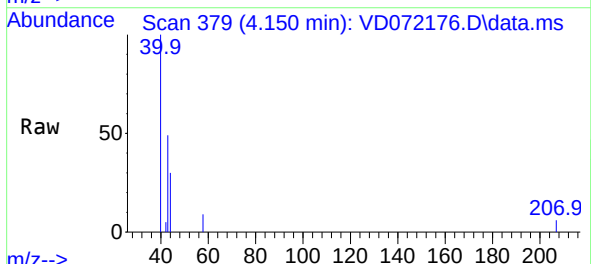
Instrument :
MSVOA_D
ClientSampleId :
SS-2(PILE-2)

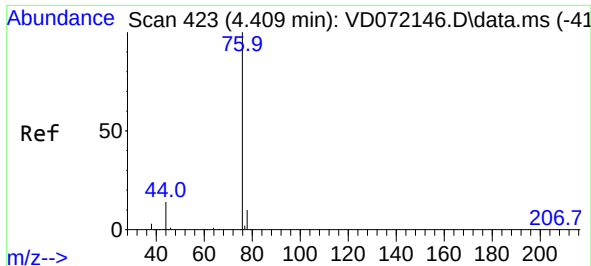
Tgt Ion: 59 Resp: 5505
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 4.153 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

Tgt Ion: 43 Resp: 2811
Ion Ratio Lower Upper
43 100
58 17.8 22.1 33.1#

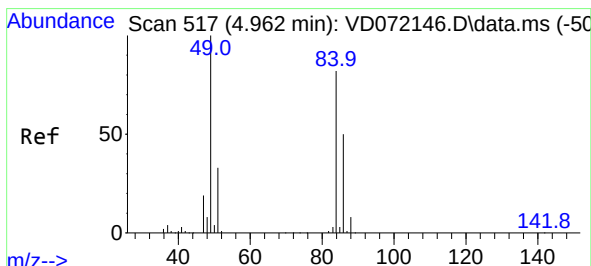
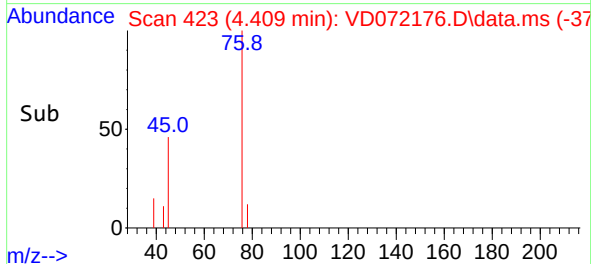
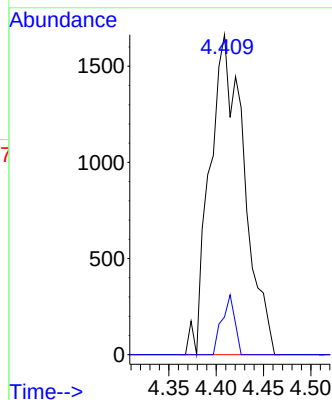
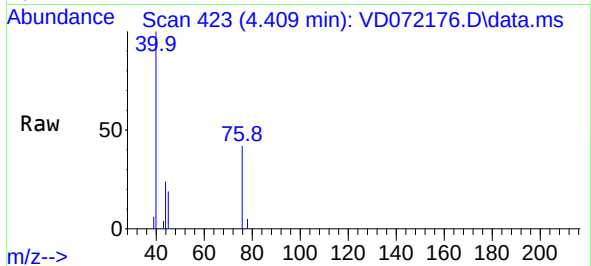




#17
Carbon Disulfide
Concen: 2.182 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

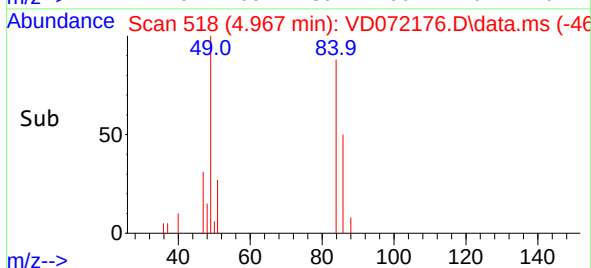
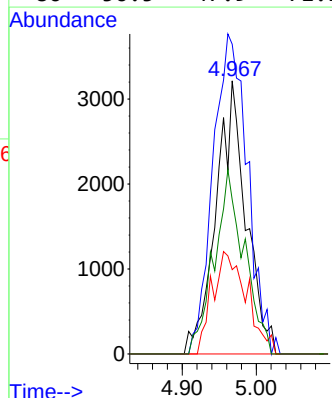
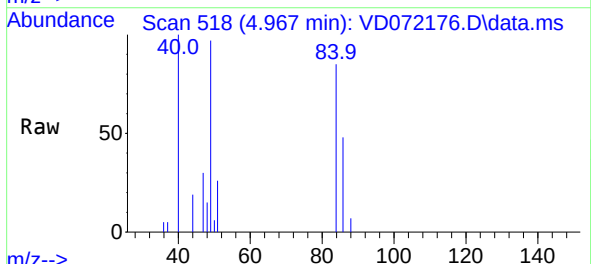
Instrument :
MSVOA_D
ClientSampleId :
SS-2(PILE-2)

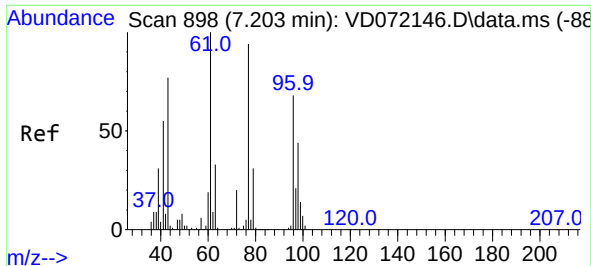
Tgt Ion: 76 Resp: 4215
Ion Ratio Lower Upper
76 100
78 11.8 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

Tgt Ion: 84 Resp: 9048
Ion Ratio Lower Upper
84 100
49 113.4 112.8 169.2
51 30.9 32.6 48.8#
86 56.5 47.9 71.9





#25

2-Butanone

Concen: 1.123 ug/l

RT: 7.197 min Scan# 89

Delta R.T. -0.006 min

Lab File: VD072176.D

Acq: 14 Mar 2022 19:18

Instrument :

MSVOA_D

ClientSampleId :

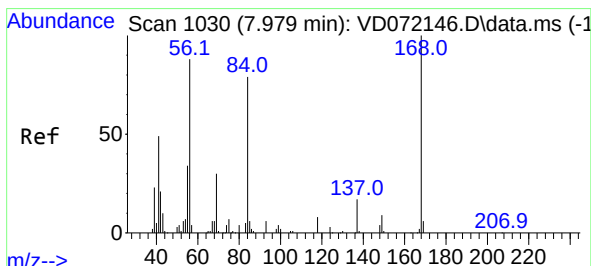
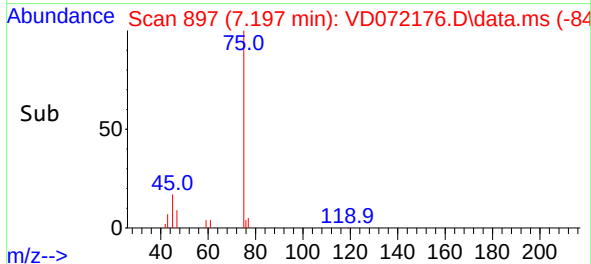
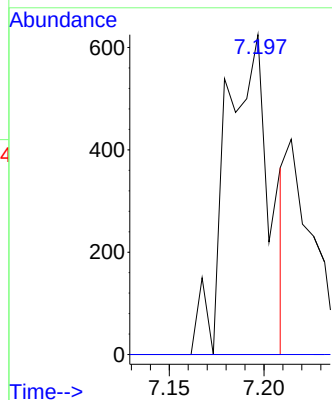
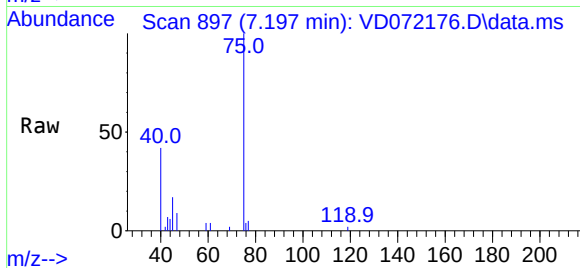
SS-2(PILE-2)

Tgt Ion: 43 Resp: 1013

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.367 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072176.D

Acq: 14 Mar 2022 19:18

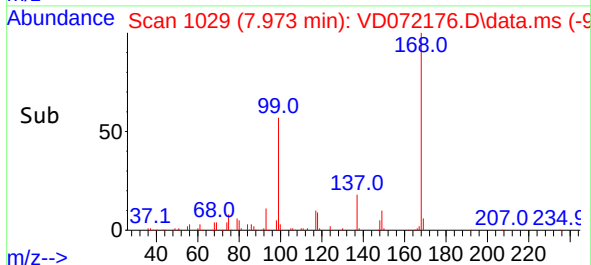
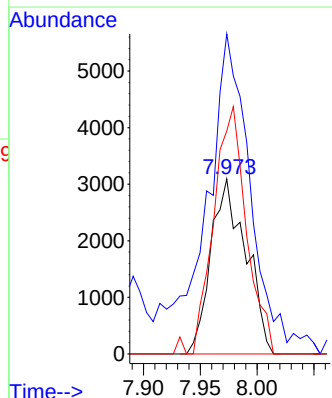
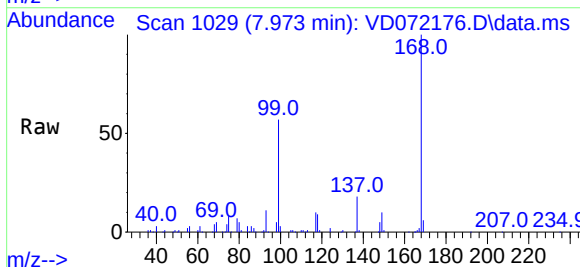
Tgt Ion: 56 Resp: 6658

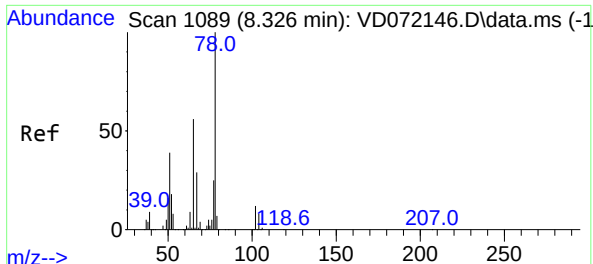
Ion Ratio Lower Upper

56 100

69 159.8 25.4 38.2#

84 127.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 63.652 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072176.D

Acq: 14 Mar 2022 19:18

Instrument :

MSVOA_D

ClientSampleId :

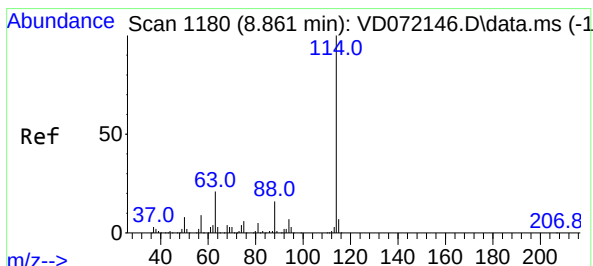
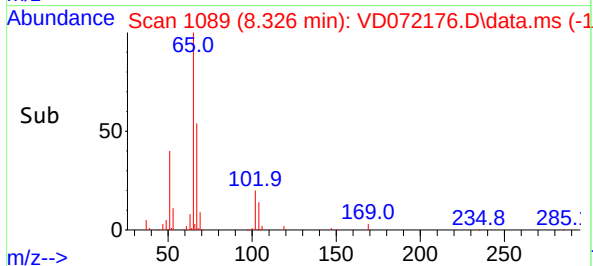
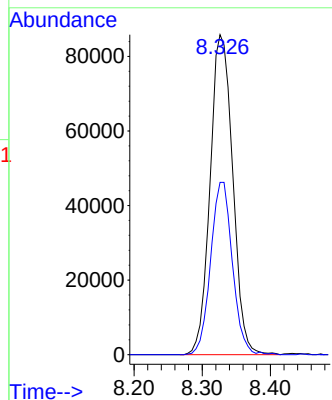
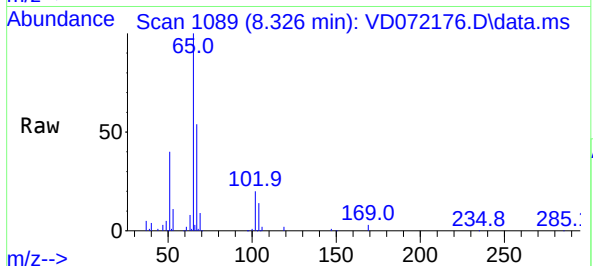
SS-2(PILE-2)

Tgt Ion: 65 Resp: 198409

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072176.D

Acq: 14 Mar 2022 19:18

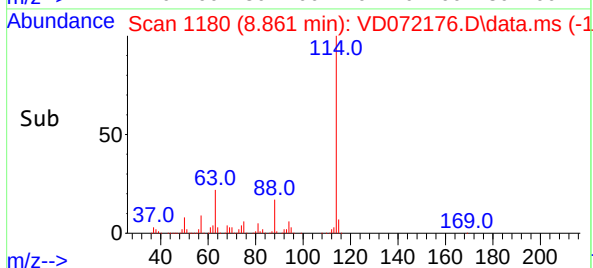
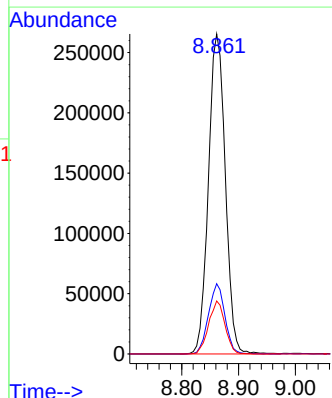
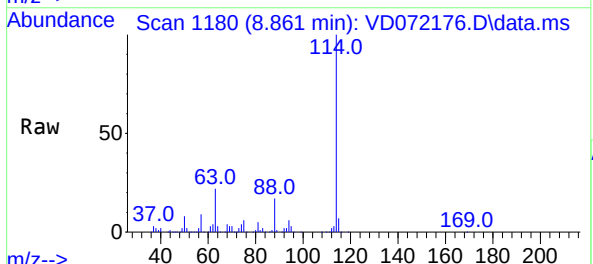
Tgt Ion: 114 Resp: 546860

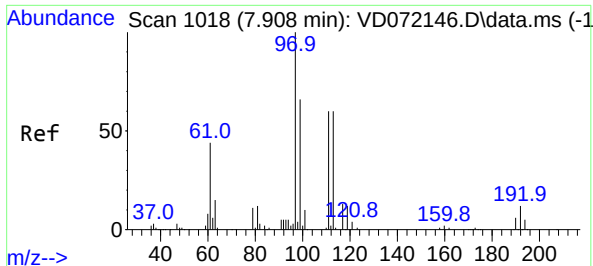
Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.6

88 16.6 0.0 33.2

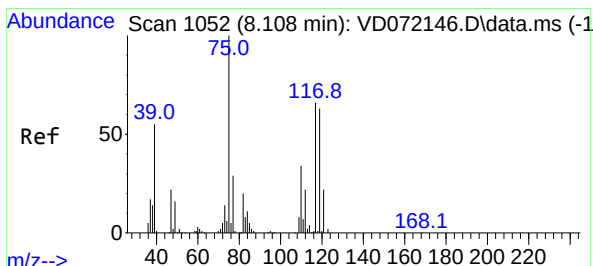
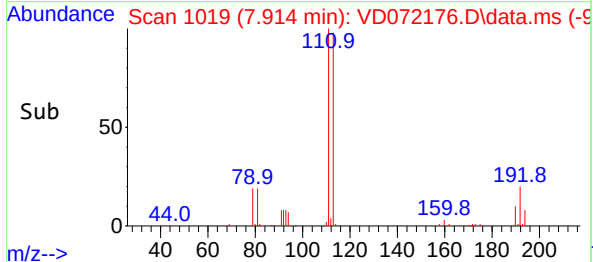
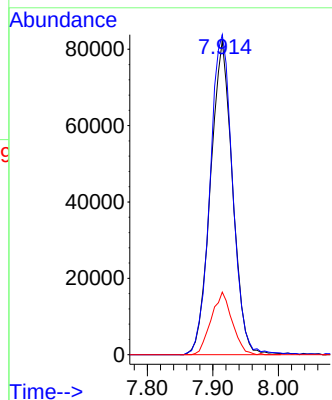
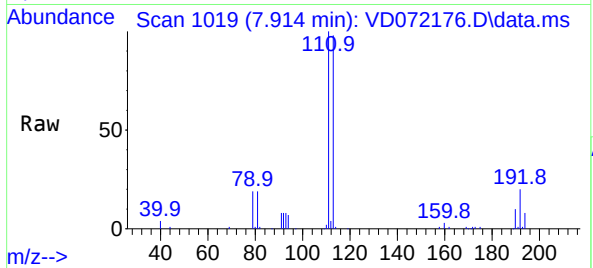




#35
Dibromofluoromethane
Concen: 49.704 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

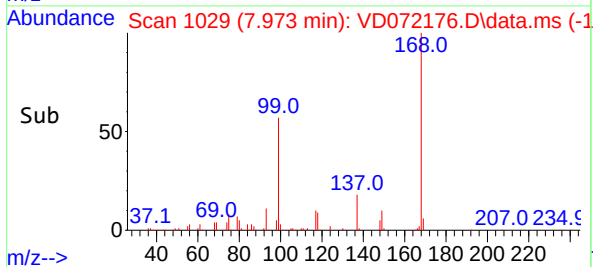
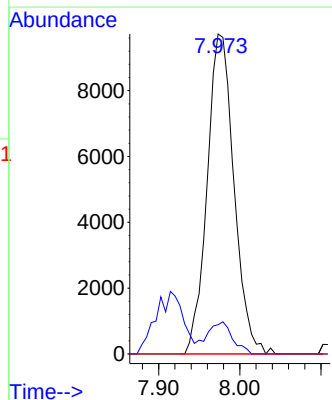
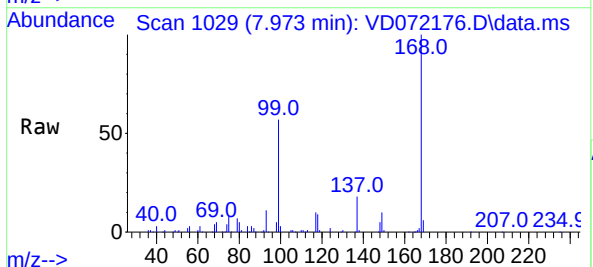
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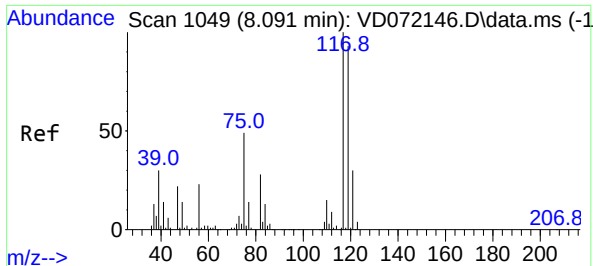
Tgt Ion:113 Resp: 191275
Ion Ratio Lower Upper
113 100
111 104.5 83.8 125.6
192 19.0 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.143 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

Tgt Ion: 75 Resp: 22367
Ion Ratio Lower Upper
75 100
110 8.4 16.4 49.1#
77 0.0 24.2 36.2#

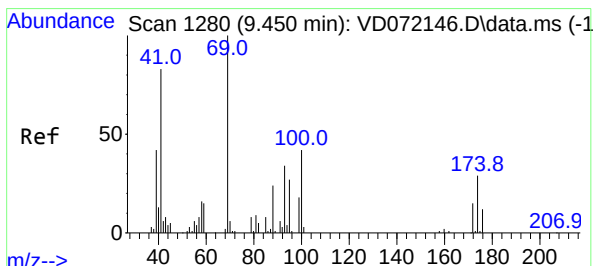
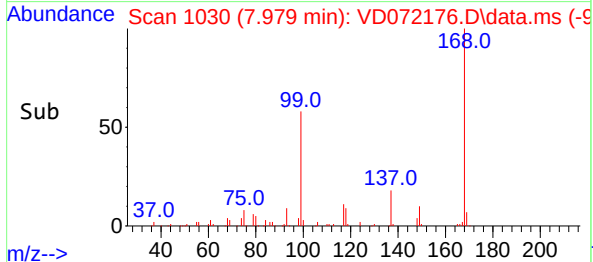
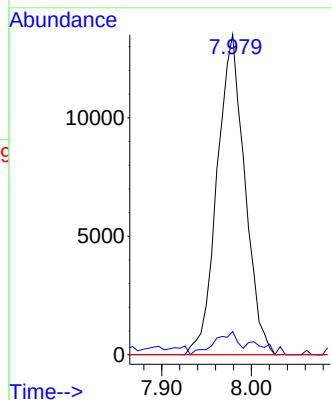
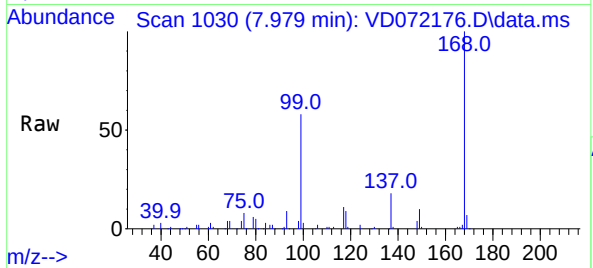




#38
Carbon Tetrachloride
Concen: 4.722 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

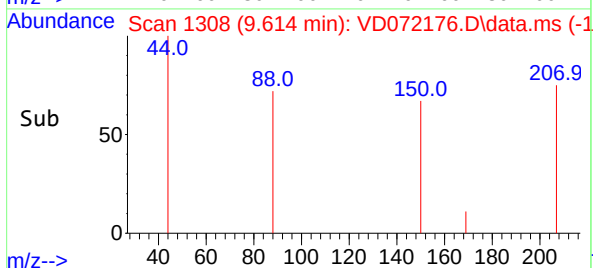
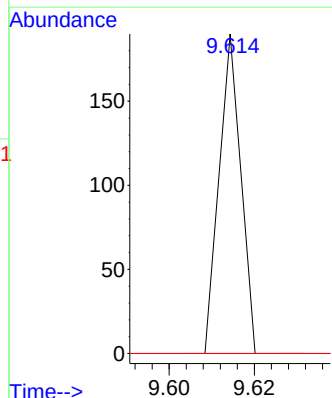
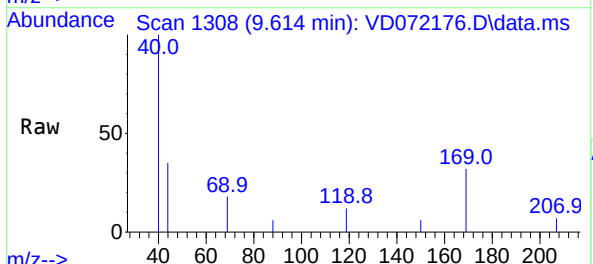
Instrument :
MSVOA_D
ClientSampleId :
SS-2(PILE-2)

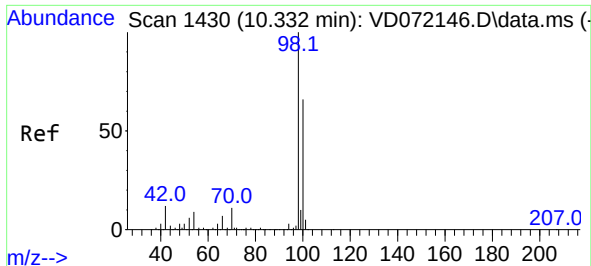
Tgt Ion:117 Resp: 28977
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 2.689 ug/l
RT: 9.614 min Scan# 1308
Delta R.T. 0.165 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#

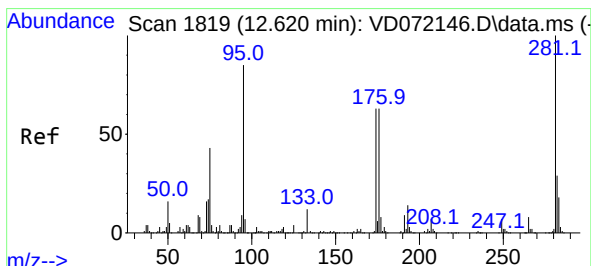
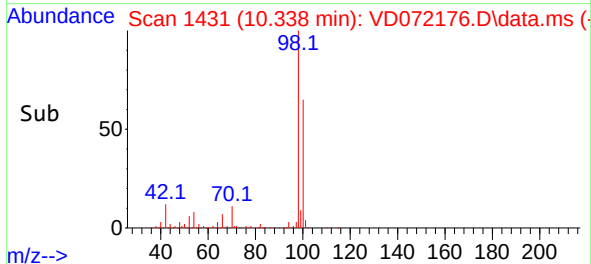
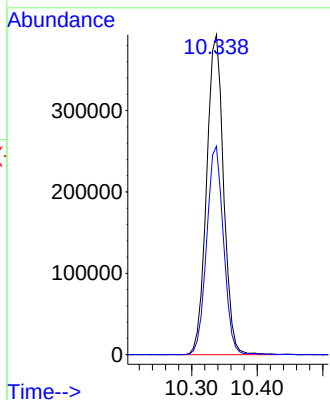
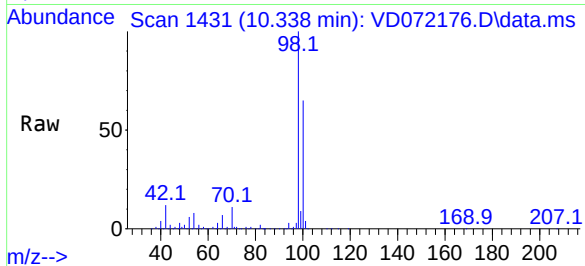




#50
Toluene-d8
Concen: 50.248 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

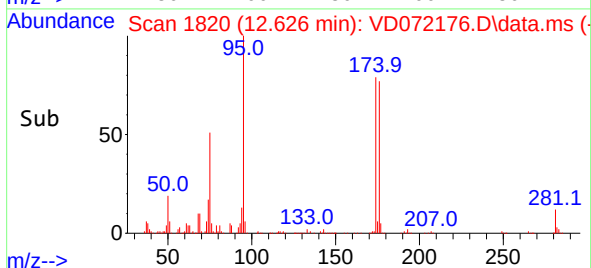
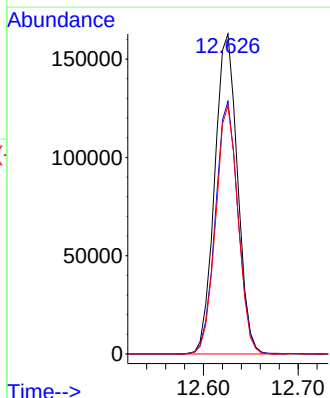
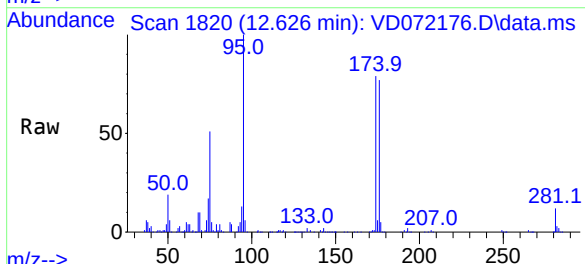
Instrument :
MSVOA_D
ClientSampleId :
SS-2(PILE-2)

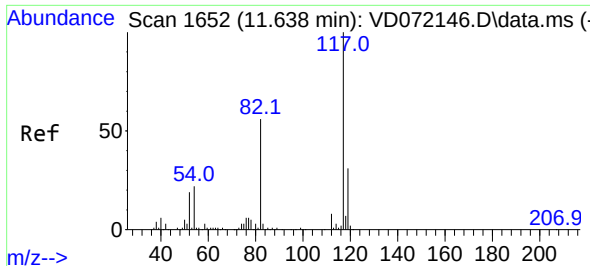
Tgt Ion: 98 Resp: 707063
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.800 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

Tgt Ion: 95 Resp: 272283
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.8
176 76.0 0.0 145.4

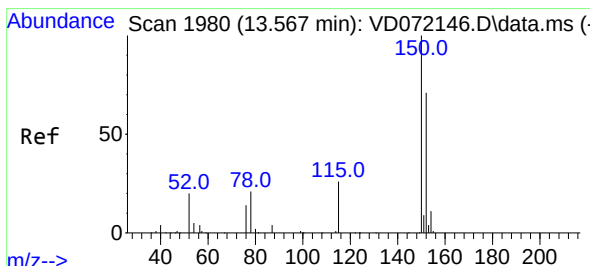
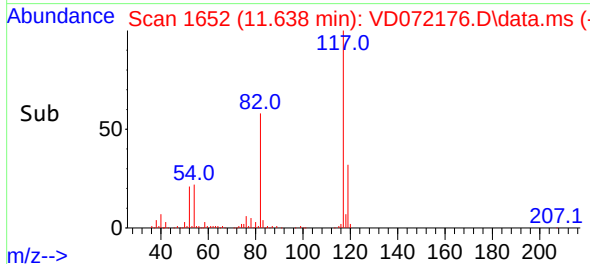
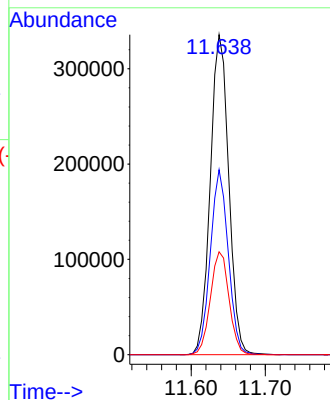
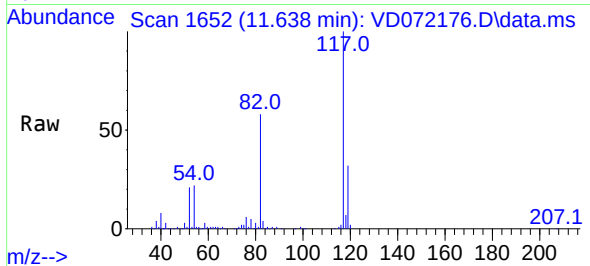




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

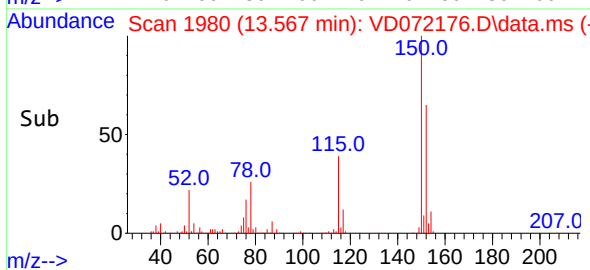
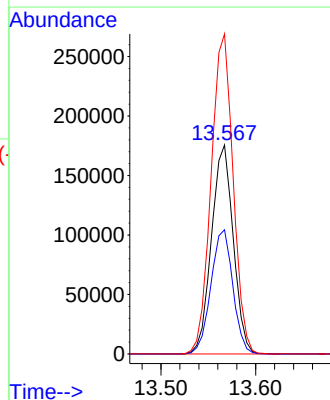
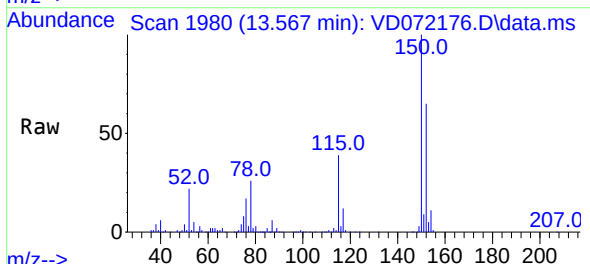
Instrument :
MSVOA_D
ClientSampleId :
SS-2(PILE-2)

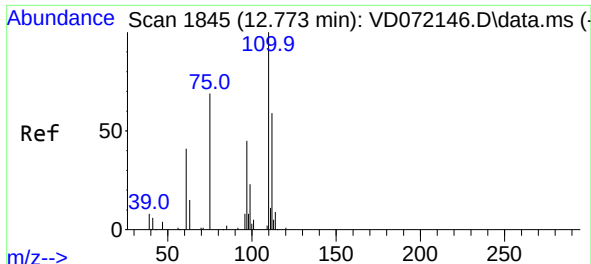
Tgt Ion:117 Resp: 581240
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 32.2 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

Tgt Ion:152 Resp: 280340
Ion Ratio Lower Upper
152 100
115 59.8 31.3 93.8
150 154.7 0.0 348.6

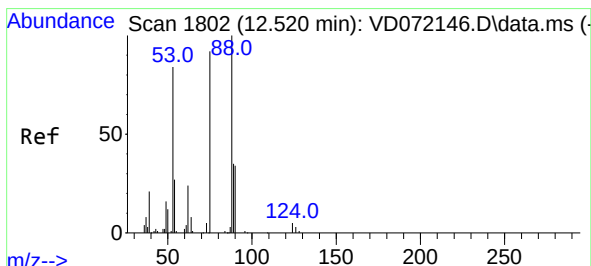
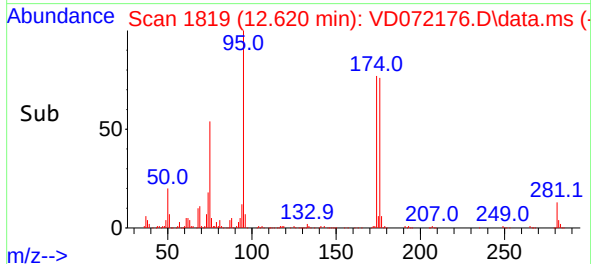
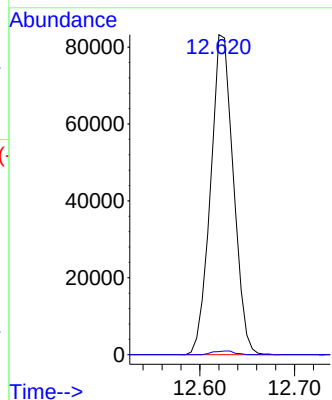
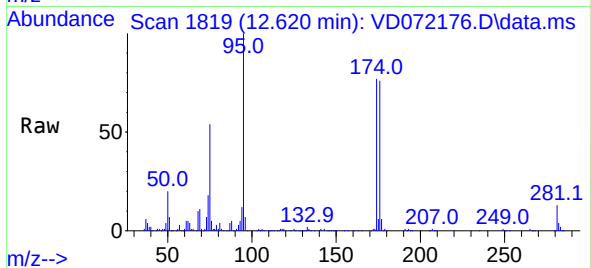




#76
1,2,3-Trichloropropane
Concen: 45.030 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

Instrument :
MSVOA_D
ClientSampleId :
SS-2(PILE-2)

Tgt Ion: 75 Resp: 139250
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.723 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072176.D
Acq: 14 Mar 2022 19:18

Tgt Ion: 75 Resp: 139250
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#

