

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021622\
 Data File : VD071997.D
 Acq On : 16 Feb 2022 17:51
 Operator : VA/SY
 Sample : N1548-04
 Misc : 6.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4-(2-2.5)

Quant Time: Feb 17 00:50:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

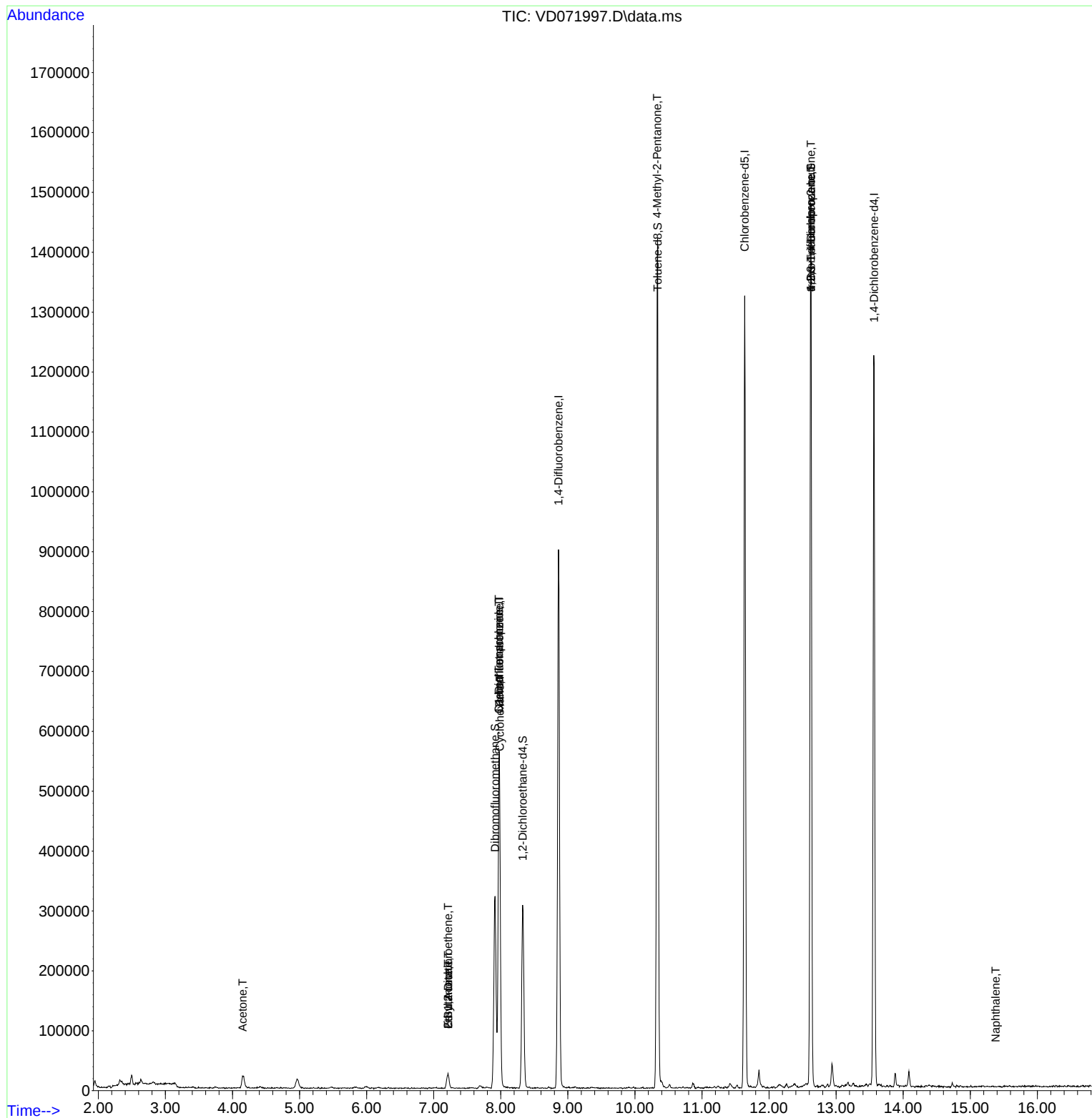
Internal Standards						
1) Pentafluorobenzene	7.979	168	374211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	699463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	676348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	295217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	244212	51.632	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.260%	
35) Dibromofluoromethane	7.914	113	220282	47.911	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.820%	
50) Toluene-d8	10.338	98	897761	52.283	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.560%	
62) 4-Bromofluorobenzene	12.626	95	318251	53.074	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.214	59	134	Below Cal	#	74
16) Acetone	4.150	43	37809	29.202	ug/l	98
20) Methylene Chloride	4.956	84	9881	Below Cal	#	79
25) 2-Butanone	7.214	43	13838	9.168	ug/l	# 86
27) cis-1,2-Dichloroethene	7.214	96	8787	1.709	ug/l	# 92
31) Cyclohexane	7.985	56	11988	1.328	ug/l	# 50
36) 1,1-Dichloropropene	7.973	75	37823	4.793	ug/l	# 51
37) Ethyl Acetate	7.214	43	13838	3.772	ug/l	# 1
38) Carbon Tetrachloride	7.973	117	41474	5.314	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.332	43	6104	1.769	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	188362	60.543	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	188362	148.861	ug/l	# 8
95) Naphthalene	15.379	128	352	1.487	ug/l	# 70

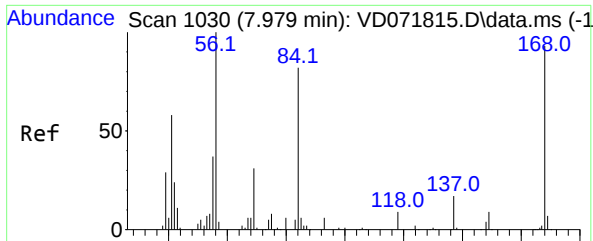
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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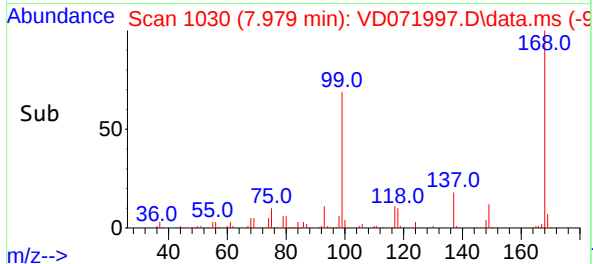
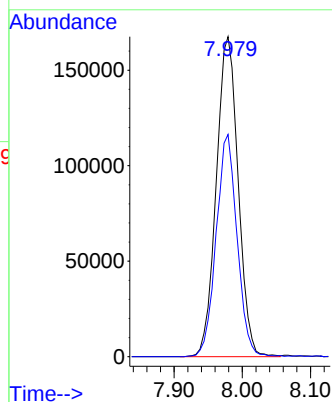
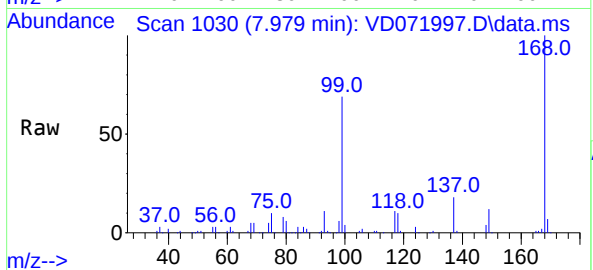




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

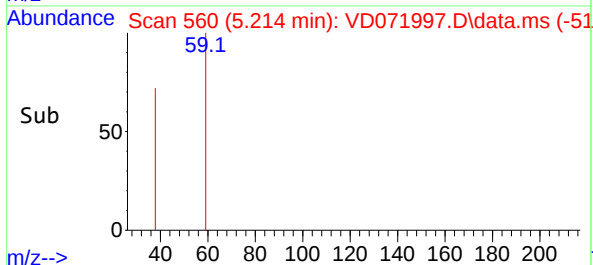
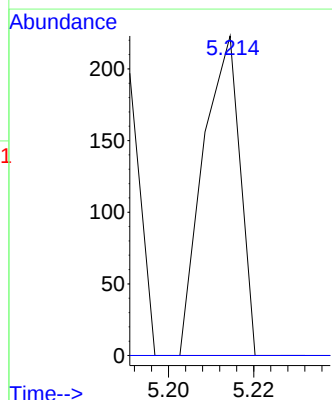
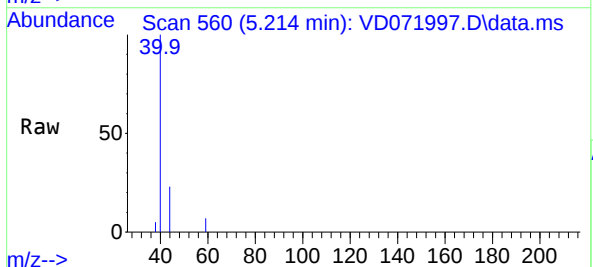
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(2-2.5)

Tgt Ion:168 Resp: 374211
Ion Ratio Lower Upper
168 100
99 69.4 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

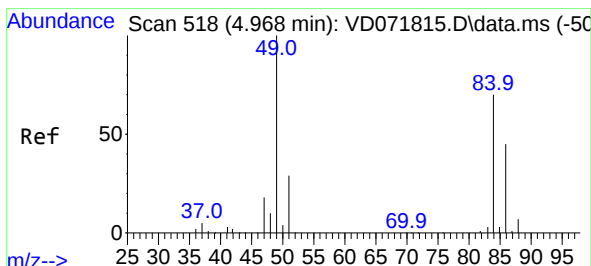
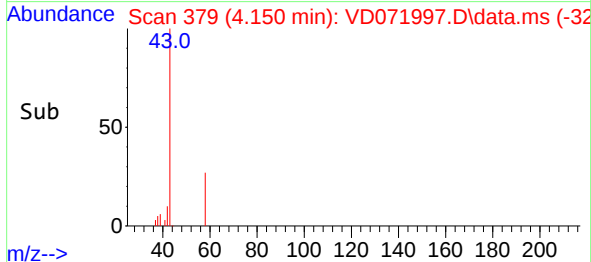
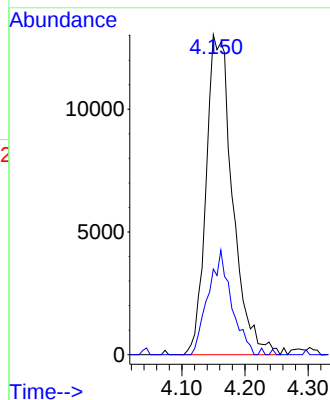
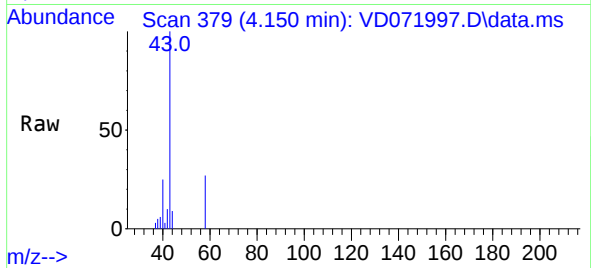




#16
Acetone
Concen: 29.202 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

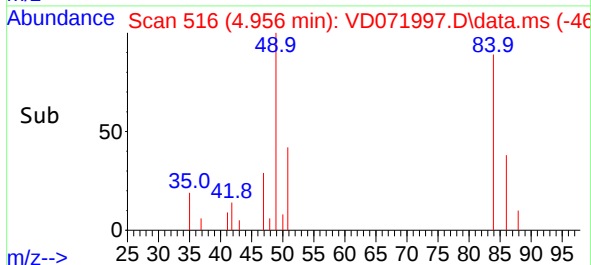
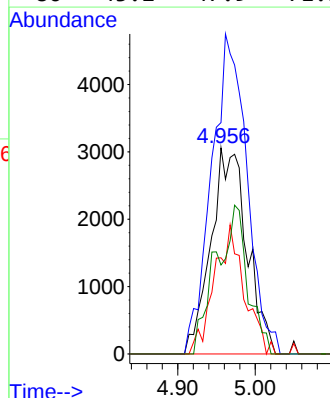
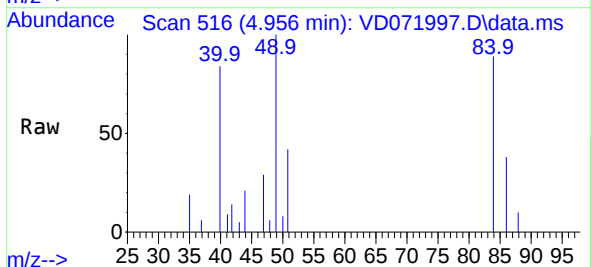
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(2-2.5)

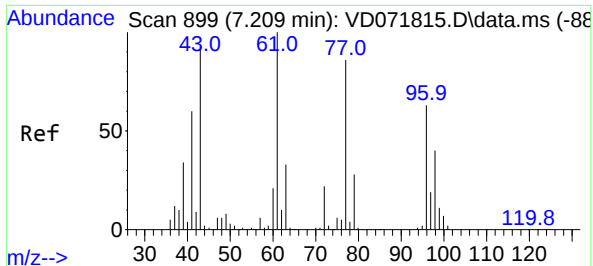
Tgt Ion: 43 Resp: 37809
Ion Ratio Lower Upper
43 100
58 26.7 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

Tgt Ion: 84 Resp: 9881
Ion Ratio Lower Upper
84 100
49 112.3 112.8 169.2#
51 46.7 32.6 48.8
86 43.2 47.9 71.9#





#25

2-Butanone

Concen: 9.168 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.000 min

Lab File: VD071997.D

Acq: 16 Feb 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

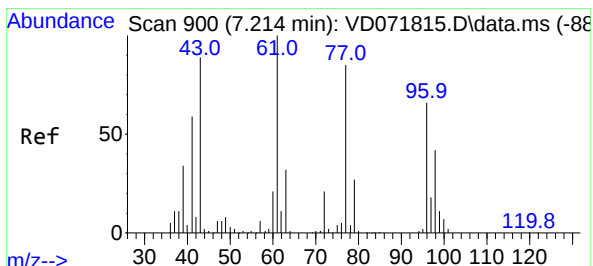
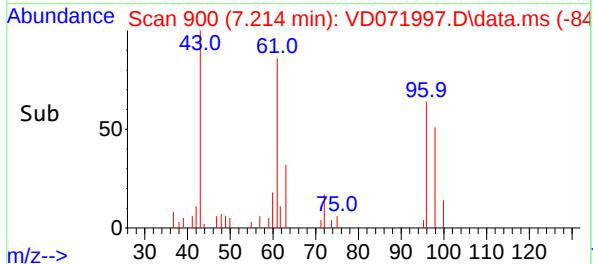
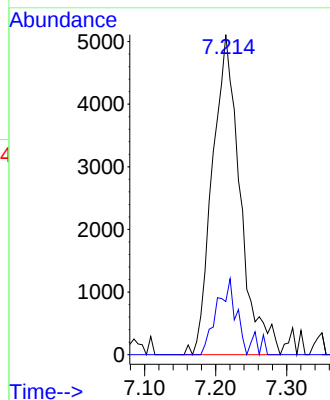
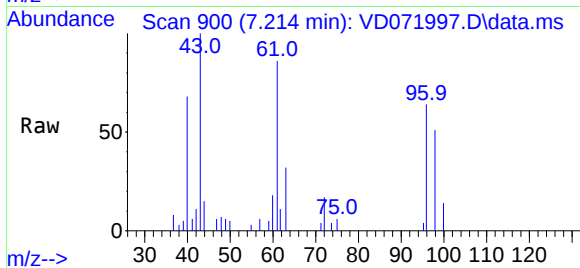
SB-4-(2-2.5)

Tgt Ion: 43 Resp: 13838

Ion Ratio Lower Upper

43 100

72 16.6 18.6 27.8#



#27

cis-1,2-Dichloroethene

Concen: 1.709 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.000 min

Lab File: VD071997.D

Acq: 16 Feb 2022 17:51

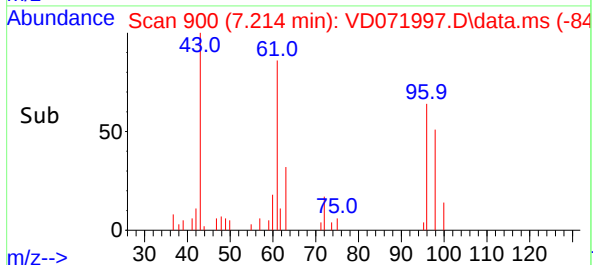
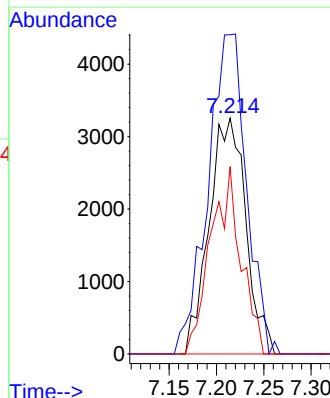
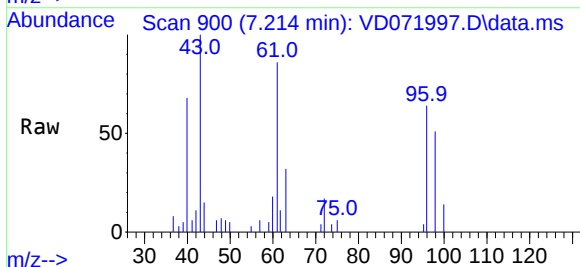
Tgt Ion: 96 Resp: 8787

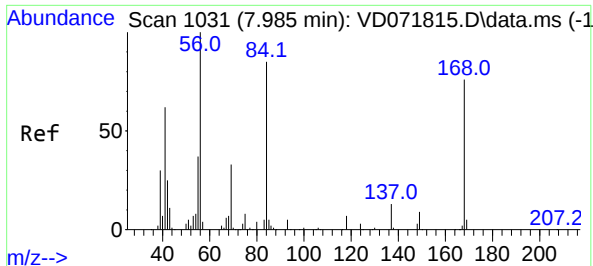
Ion Ratio Lower Upper

96 100

61 141.9 0.0 313.8

98 65.0 0.0 128.8

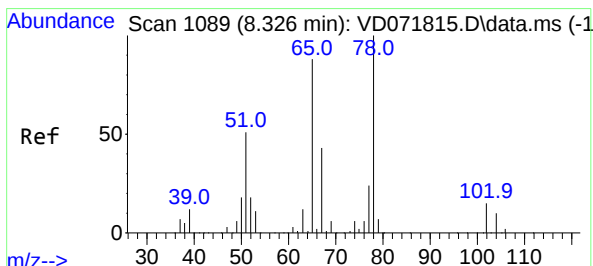
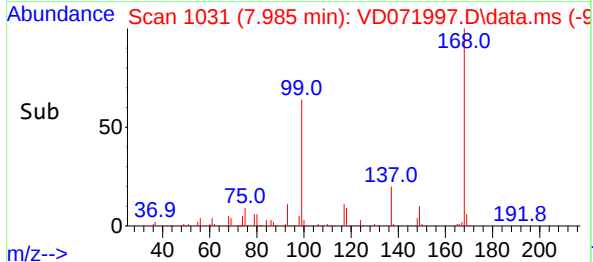
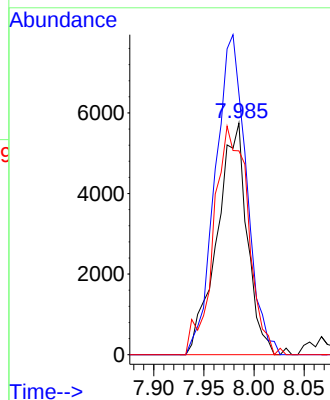
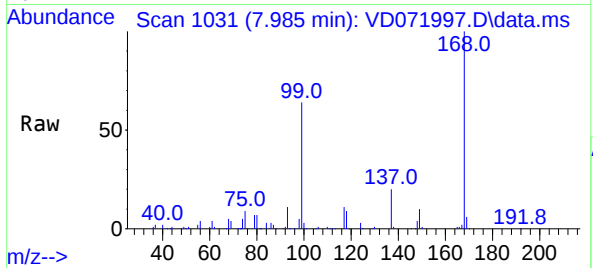




#31
Cyclohexane
Concen: 1.328 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

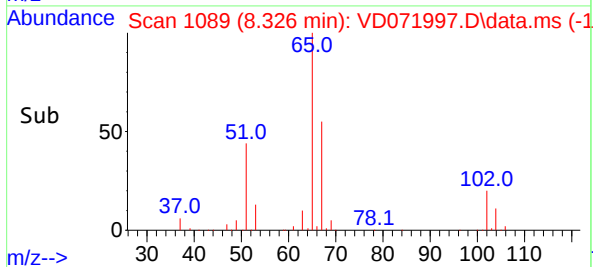
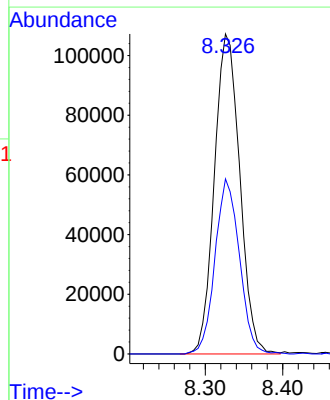
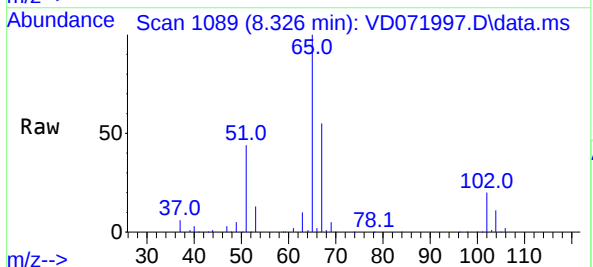
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(2-2.5)

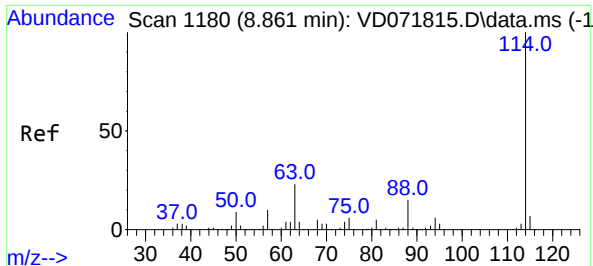
Tgt Ion: 56 Resp: 11988
Ion Ratio Lower Upper
56 100
69 112.7 25.4 38.2#
84 88.1 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 51.632 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

Tgt Ion: 65 Resp: 244212
Ion Ratio Lower Upper
65 100
67 52.6 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: VD071997.D

Acq: 16 Feb 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

SB-4-(2-2.5)

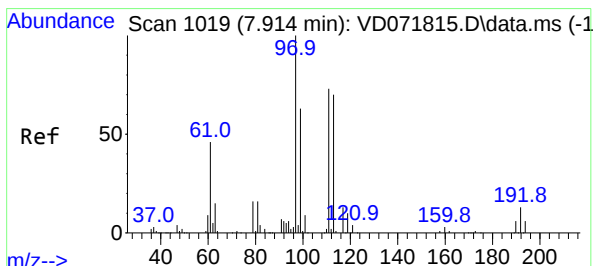
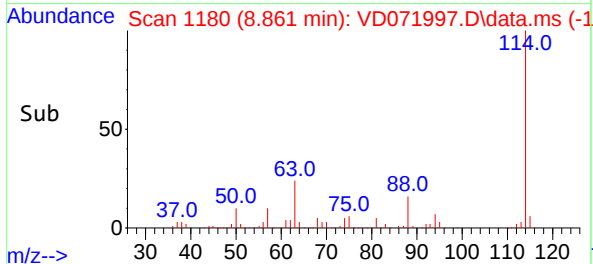
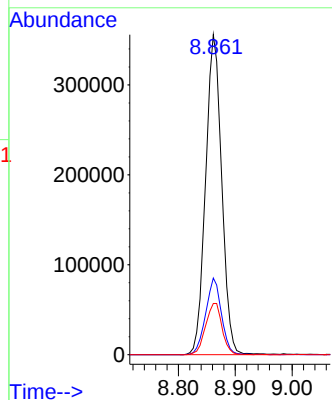
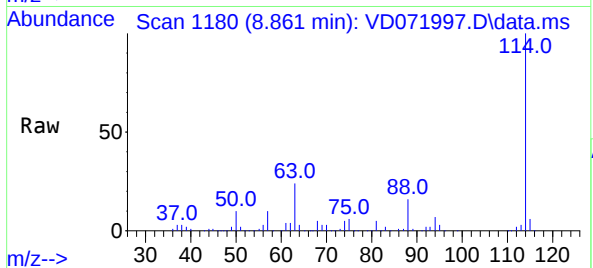
Tgt Ion:114 Resp: 699463

Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.911 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071997.D

Acq: 16 Feb 2022 17:51

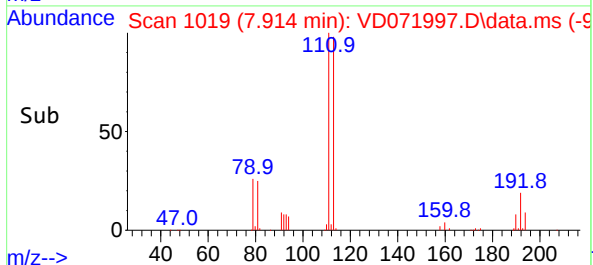
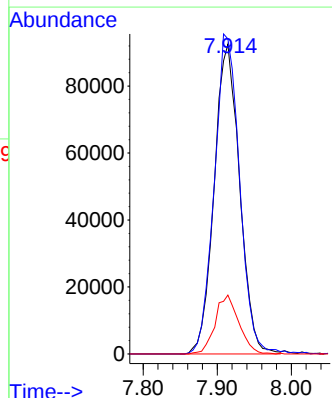
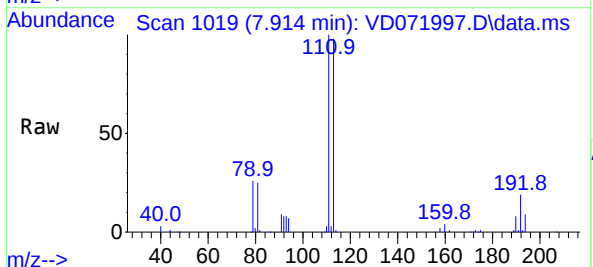
Tgt Ion:113 Resp: 220282

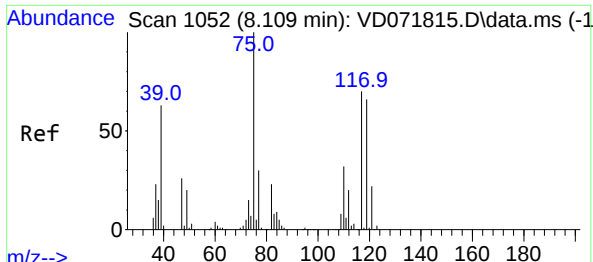
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 17.8 14.6 21.8

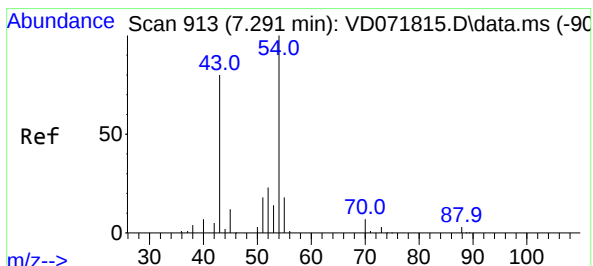
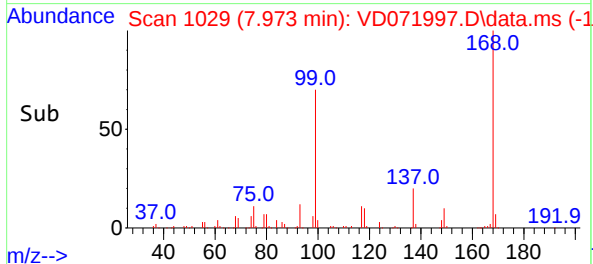
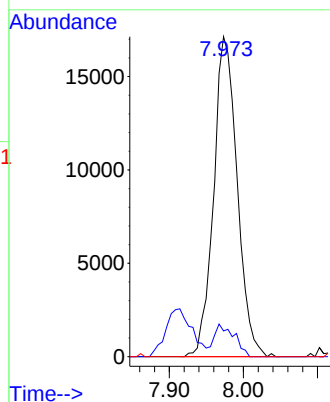
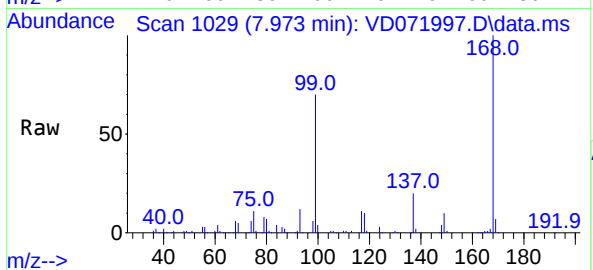




#36
1,1-Dichloropropene
Concen: 4.793 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

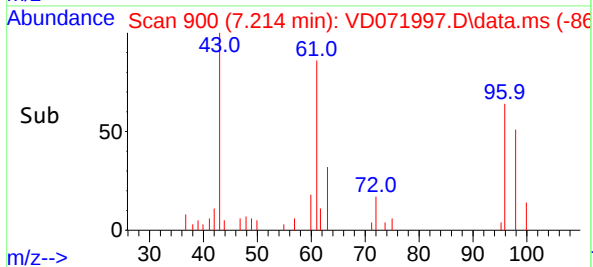
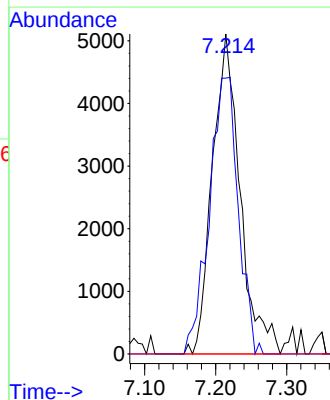
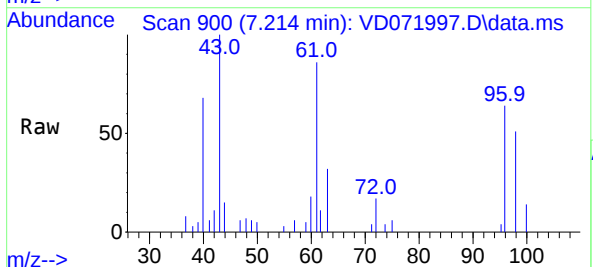
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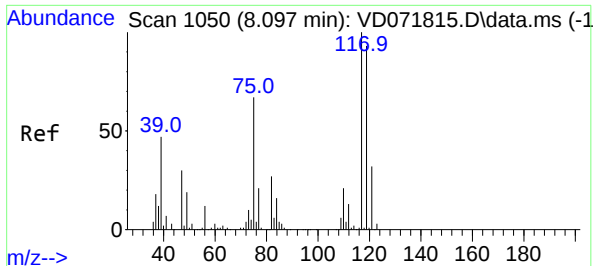
Tgt Ion: 75 Resp: 37823
Ion Ratio Lower Upper
75 100
110 8.8 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 3.772 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.082 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

Tgt Ion: 43 Resp: 13838
Ion Ratio Lower Upper
43 100
61 90.1 9.8 14.8#
70 0.0 6.9 10.3#

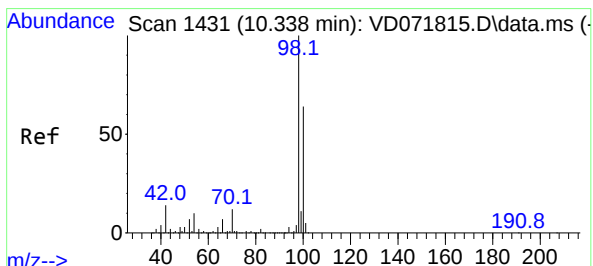
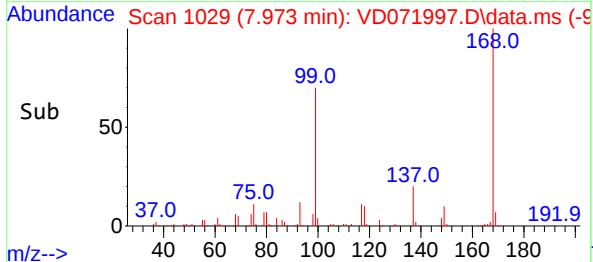
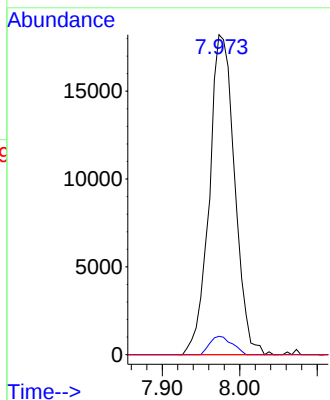
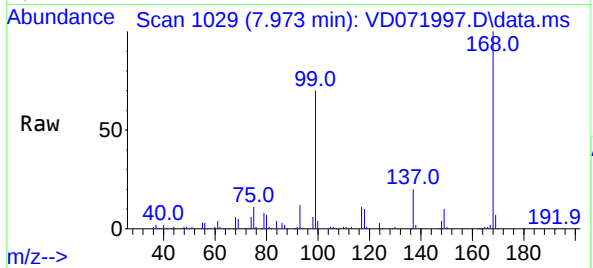




#38
Carbon Tetrachloride
Concen: 5.314 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

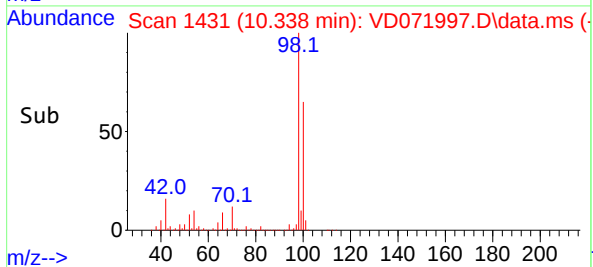
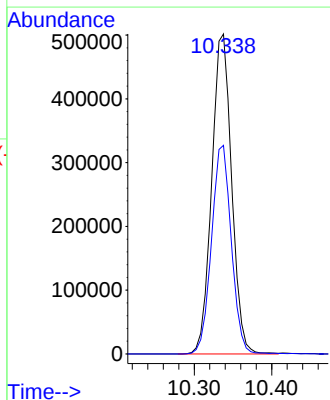
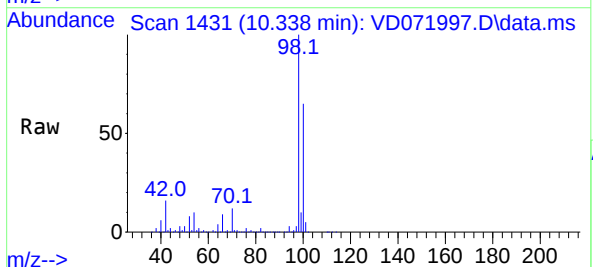
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(2-2.5)

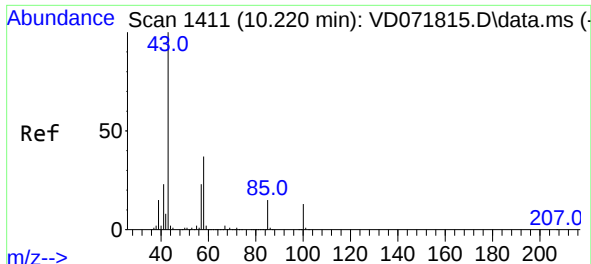
Tgt Ion:117 Resp: 41474
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.283 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

Tgt Ion: 98 Resp: 897761
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6

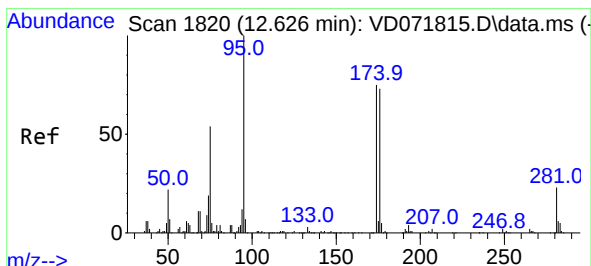
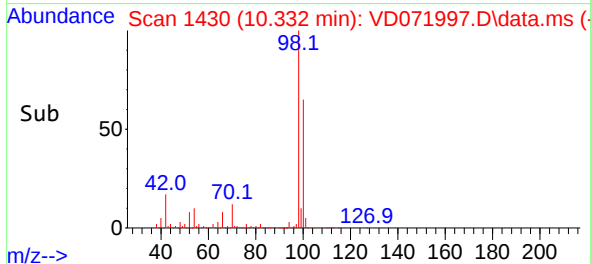
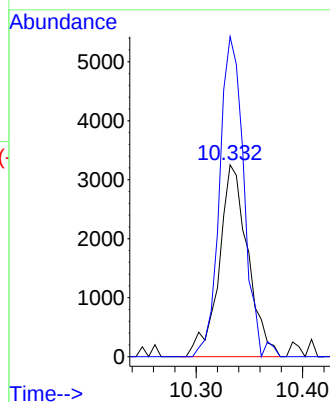
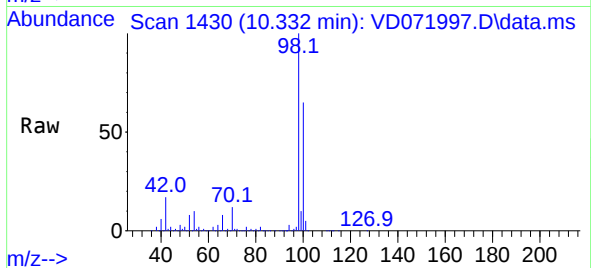




#51
4-Methyl-2-Pentanone
Concen: 1.769 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

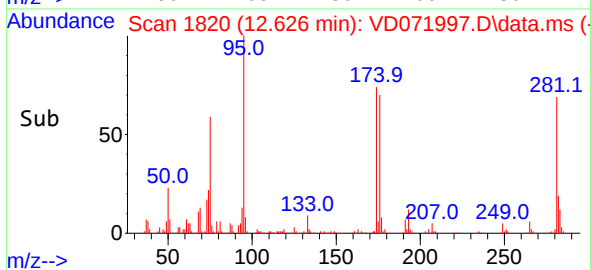
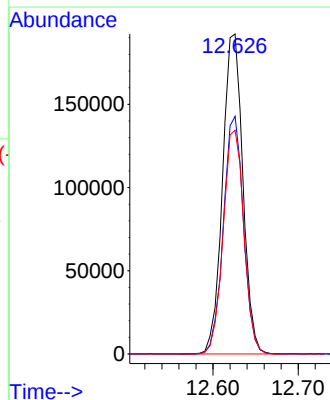
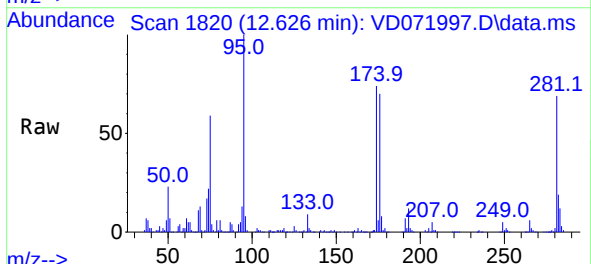
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(2-2.5)

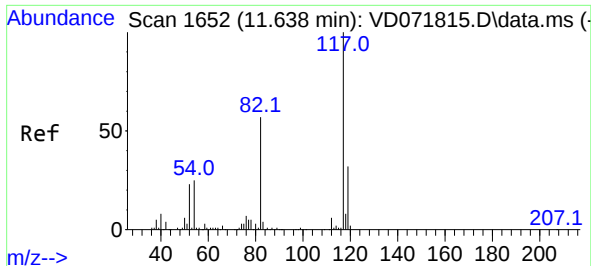
Tgt Ion: 43 Resp: 6104
Ion Ratio Lower Upper
43 100
58 140.7 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 53.074 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

Tgt Ion: 95 Resp: 318251
Ion Ratio Lower Upper
95 100
174 73.6 0.0 152.8
176 71.3 0.0 145.4

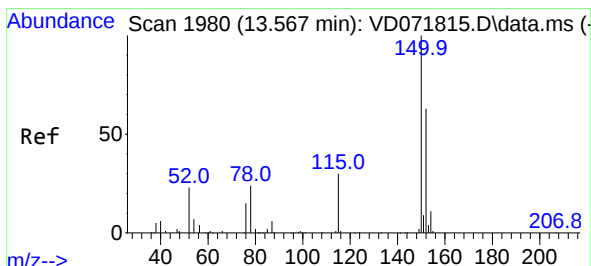
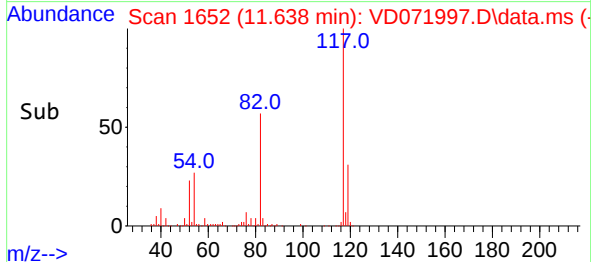
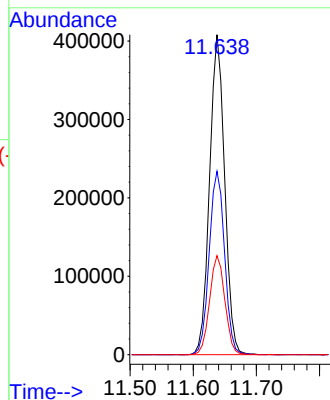
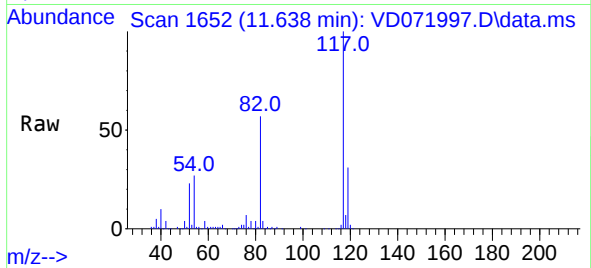




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

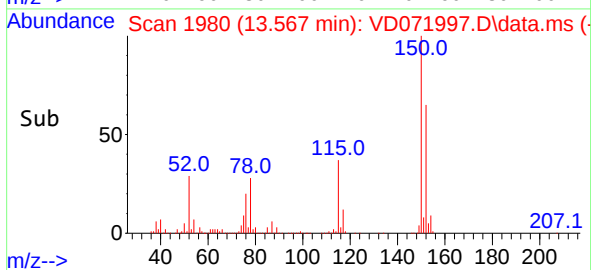
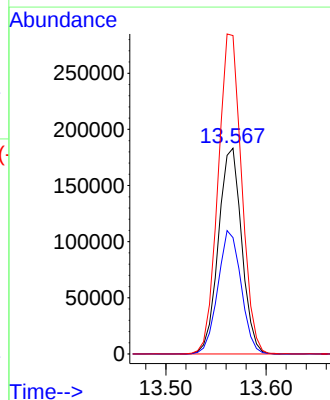
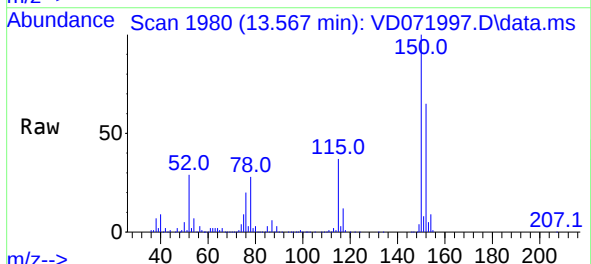
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(2-2.5)

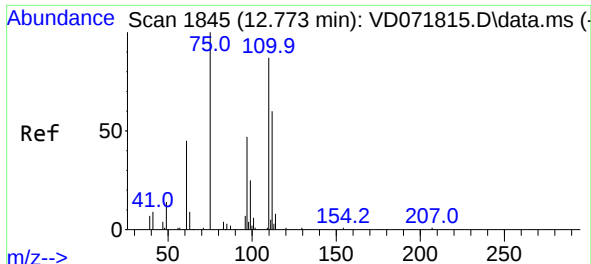
Tgt Ion:117 Resp: 676348
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 31.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

Tgt Ion:152 Resp: 295217
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 157.0 0.0 348.6

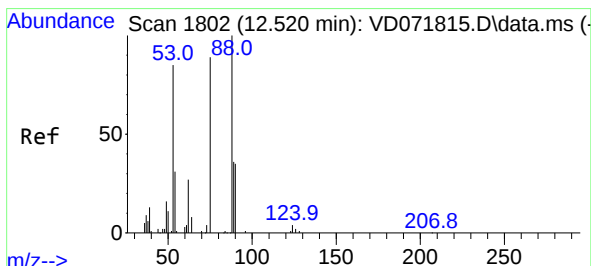
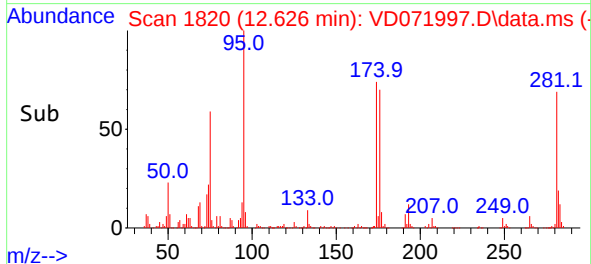
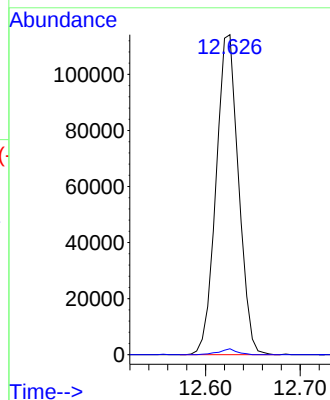
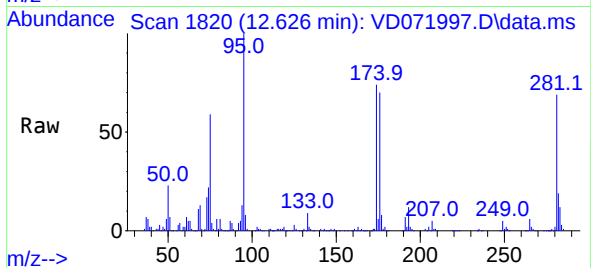




#76
1,2,3-Trichloropropane
Concen: 60.543 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

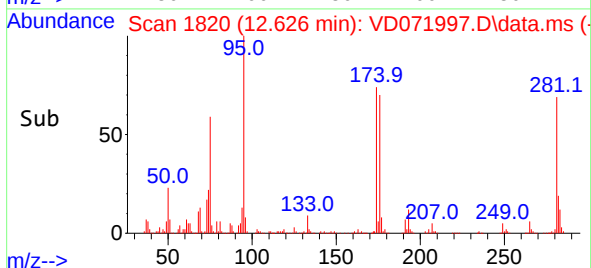
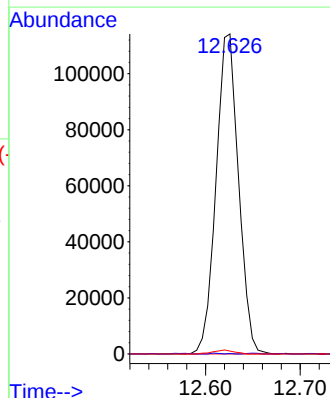
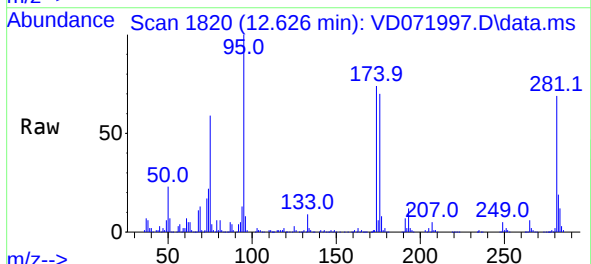
Instrument :
MSVOA_D
ClientSampleId :
SB-4-(2-2.5)

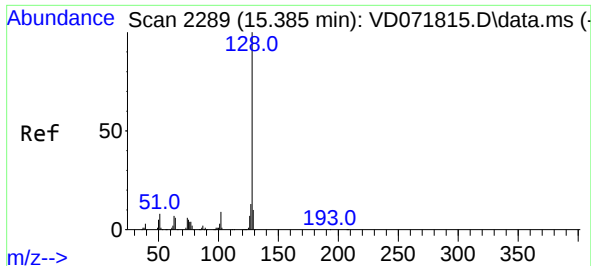
Tgt Ion: 75 Resp: 188362
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.861 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

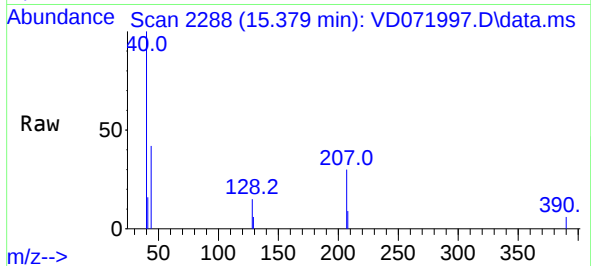
Tgt Ion: 75 Resp: 188362
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 1.1 33.9 50.9#





#95
Naphthalene
Concen: 1.487 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD071997.D
Acq: 16 Feb 2022 17:51

Instrument :
MSVOA_D
ClientSampleId :
SB-4-(2-2.5)



Tgt Ion:	128	Resp:	352
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	20.5	8.4	12.6#

