

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123021\
 Data File : VD071553.D
 Acq On : 30 Dec 2021 17:06
 Operator : VA/SY
 Sample : M5210-01RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124027RE

Quant Time: Dec 30 17:24:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

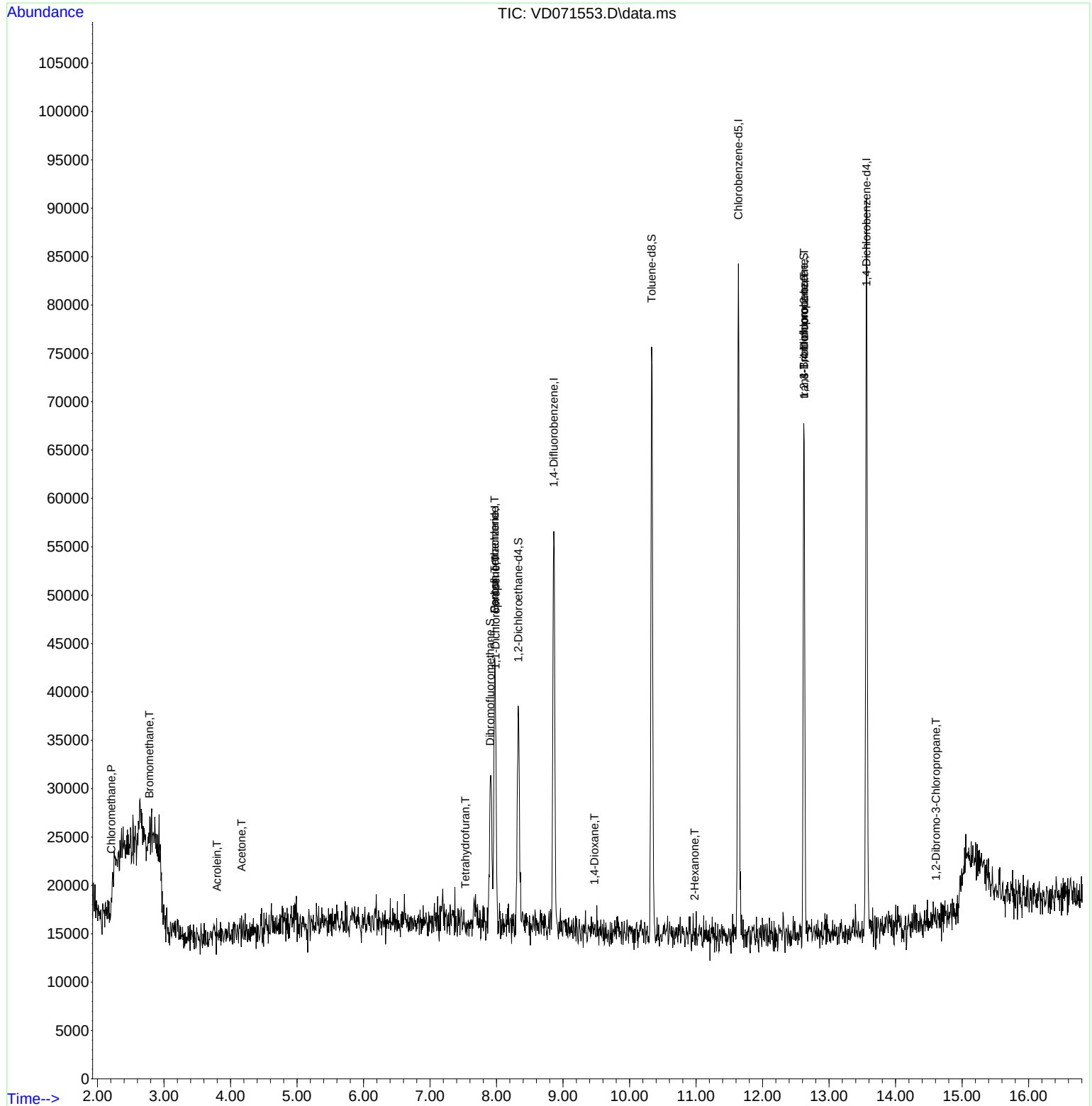
Internal Standards						
1) Pentafluorobenzene	7.973	168	19418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	33870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	35496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	17425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	16905	65.552	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	131.100%	
35) Dibromofluoromethane	7.902	113	10878	47.787	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	95.580%	
50) Toluene-d8	10.332	98	39936	46.425	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	92.840%	
62) 4-Bromofluorobenzene	12.620	95	16321	53.392	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	106.780%	
Target Compounds						
						Qvalue
3) Chloromethane	2.209	50	539	2.069	ug/l	98
5) Bromomethane	2.779	94	1244	5.695	ug/l #	75
11) Tert butyl alcohol	5.173	59	77	Below Cal	#	71
13) Acrolein	3.797	56	63	5.057	ug/l #	13
16) Acetone	4.167	43	777	11.995	ug/l #	66
20) Methylene Chloride	4.961	84	674	Below Cal	#	76
29) Tetrahydrofuran	7.532	42	74	1.593	ug/l #	34
36) 1,1-Dichloropropene	7.985	75	1870	5.142	ug/l #	41
38) Carbon Tetrachloride	7.973	117	2318	6.460	ug/l #	12
49) 1,4-Dioxane	9.473	88	57	35.989	ug/l #	23
59) 2-Hexanone	10.979	43	271	2.187	ug/l #	22
76) 1,2,3-Trichloropropane	12.626	75	8947	43.214	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	8947	122.102	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.608	75	68	1.614	ug/l #	4

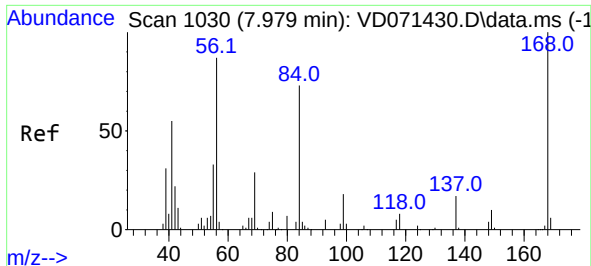
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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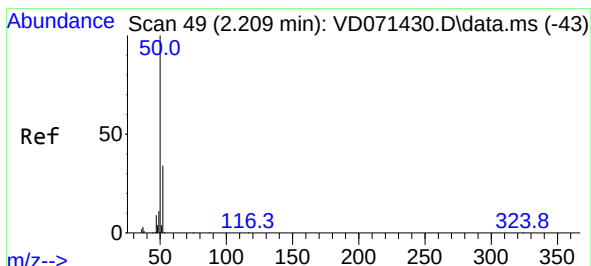
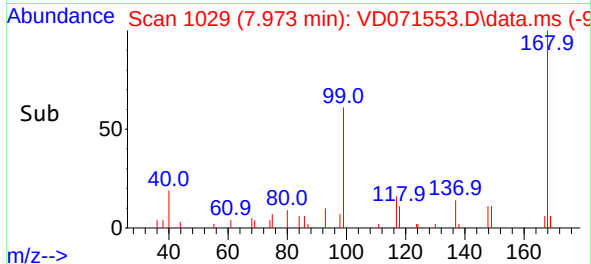
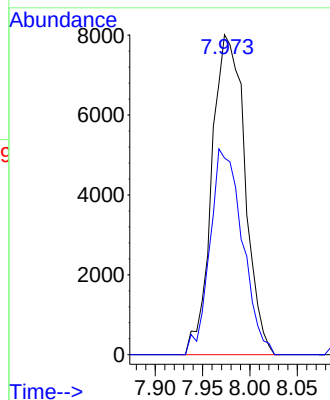
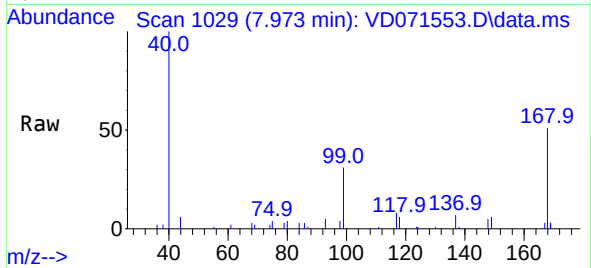




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

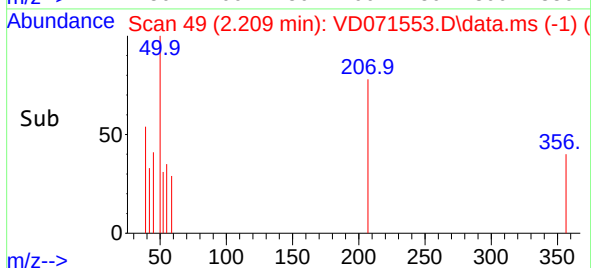
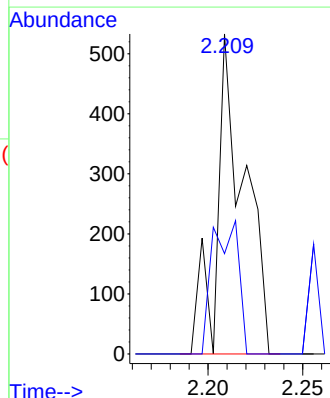
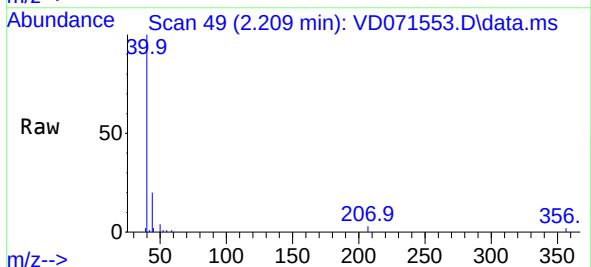
Instrument :
MSVOA_D
ClientSampleId :
124027RE

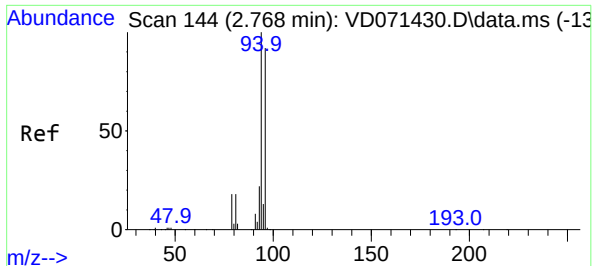
Tgt Ion:168 Resp: 19418
Ion Ratio Lower Upper
168 100
99 61.5 46.6 69.8



#3
Chloromethane
Concen: 2.069 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

Tgt Ion: 50 Resp: 539
Ion Ratio Lower Upper
50 100
52 31.3 25.8 38.8

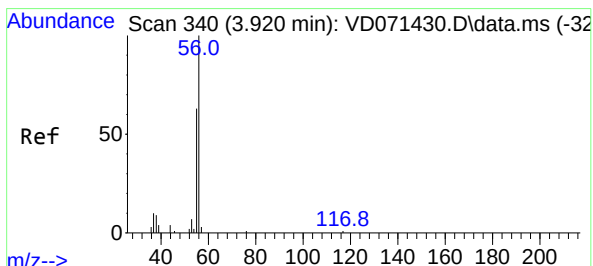
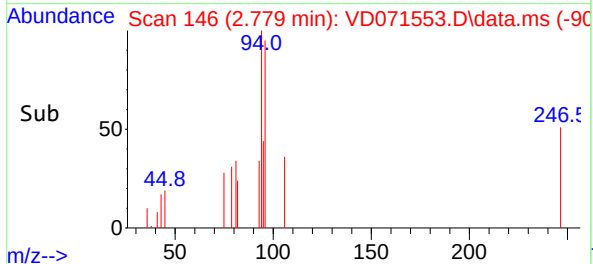
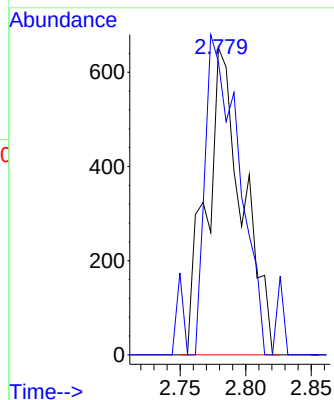
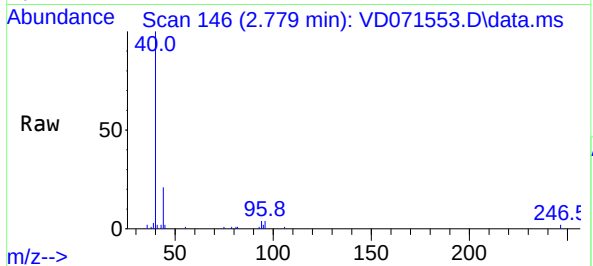




#5
Bromomethane
Concen: 5.695 ug/l
RT: 2.779 min Scan# 14
Delta R.T. 0.029 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

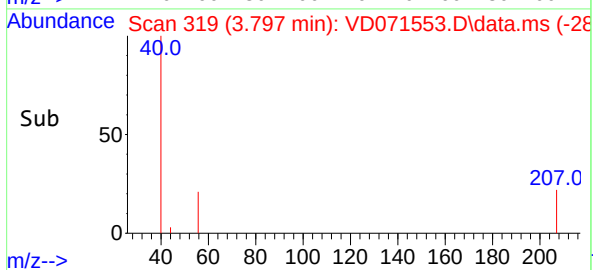
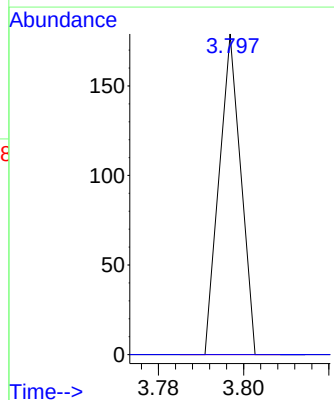
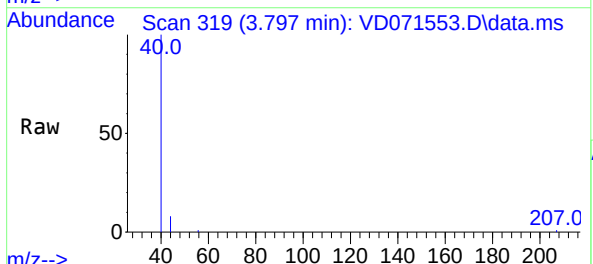
Instrument :
MSVOA_D
ClientSampleId :
124027RE

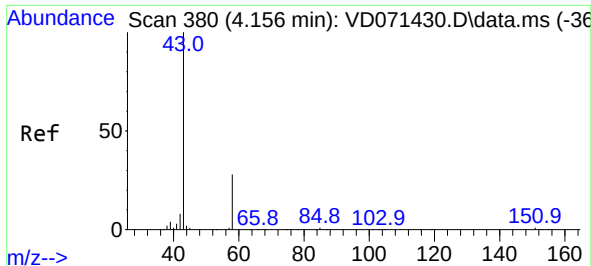
Tgt Ion: 94 Resp: 1244
Ion Ratio Lower Upper
94 100
96 69.8 74.8 112.2#



#13
Acrolein
Concen: 5.057 ug/l
RT: 3.797 min Scan# 319
Delta R.T. -0.117 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

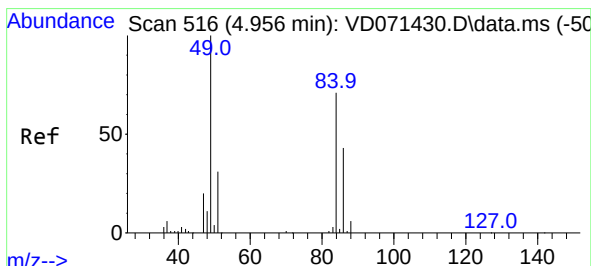
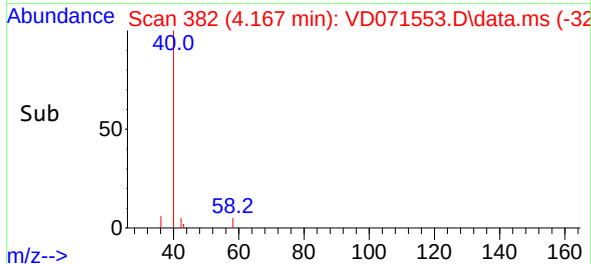
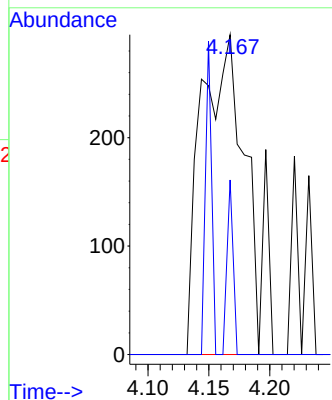
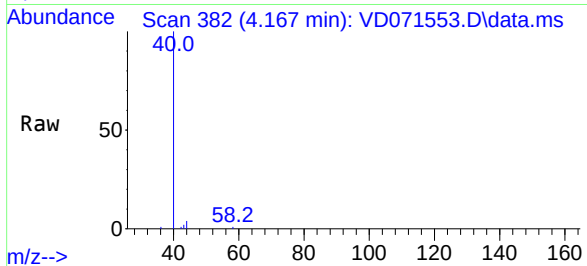




#16
Acetone
Concen: 11.995 ug/l
RT: 4.167 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

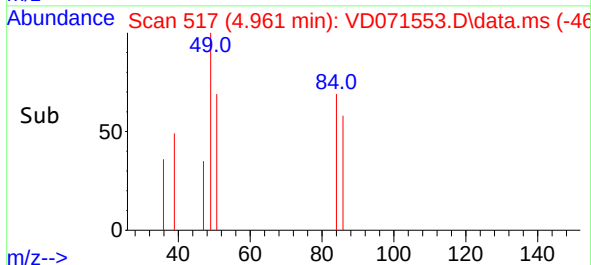
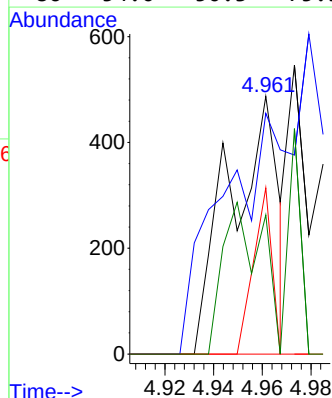
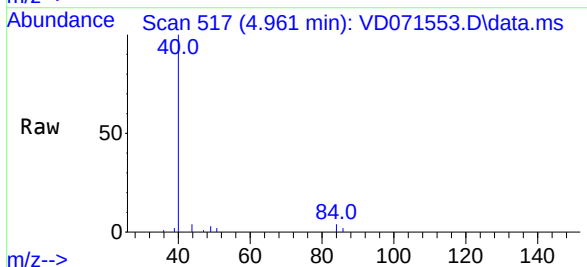
Instrument :
MSVOA_D
ClientSampleId :
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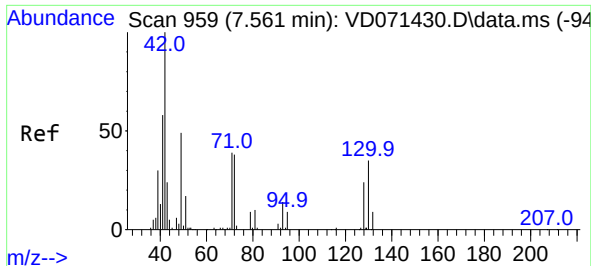
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
58 54.6 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

Tgt Ion: 84 Resp: 674
Ion Ratio Lower Upper
84 100
49 93.4 95.8 143.6#
51 64.5 30.9 46.3#
86 54.0 50.3 75.5





#29

Tetrahydrofuran

Concen: 1.593 ug/l

RT: 7.532 min Scan# 91

Delta R.T. -0.023 min

Lab File: VD071553.D

Acq: 30 Dec 2021 17:06

Instrument :

MSVOA_D

ClientSampleId :

124027RE

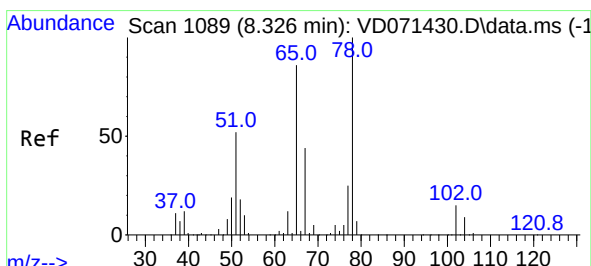
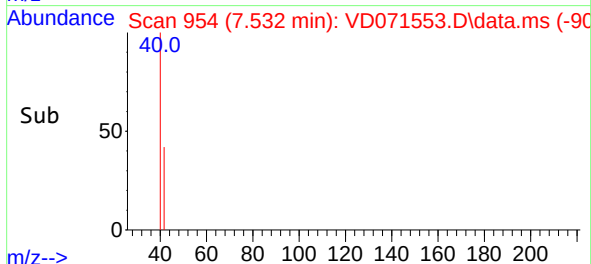
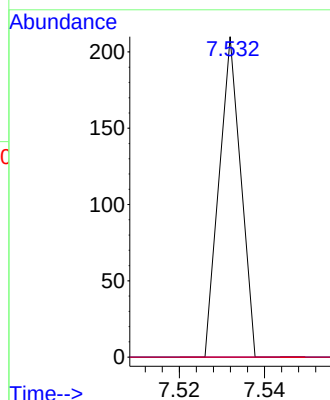
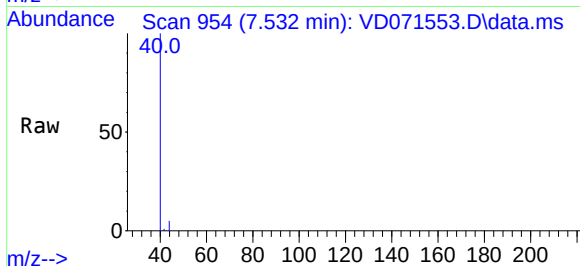
Tgt Ion: 42 Resp: 74

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#



#33

1,2-Dichloroethane-d4

Concen: 65.552 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071553.D

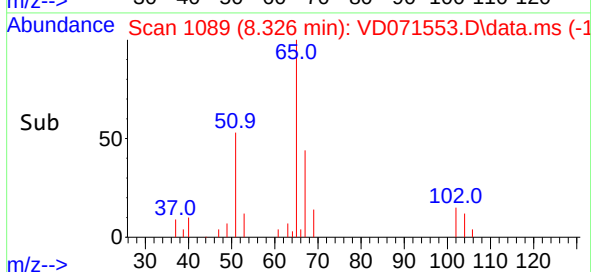
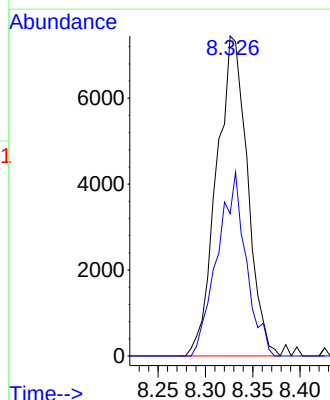
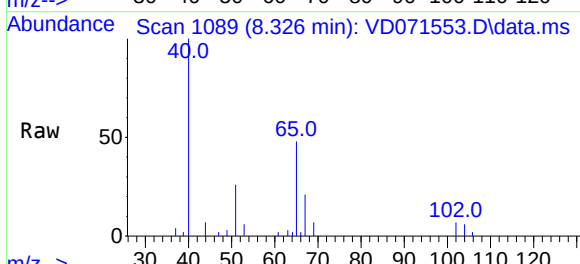
Acq: 30 Dec 2021 17:06

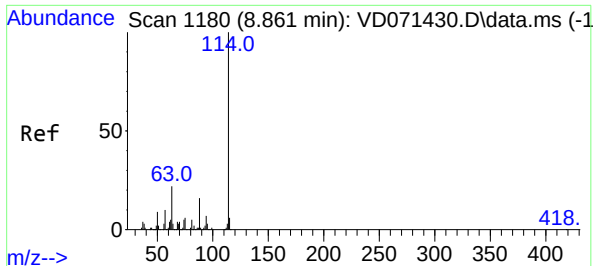
Tgt Ion: 65 Resp: 16905

Ion Ratio Lower Upper

65 100

67 53.3 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071553.D

Acq: 30 Dec 2021 17:06

Instrument :

MSVOA_D

ClientSampleId :

124027RE

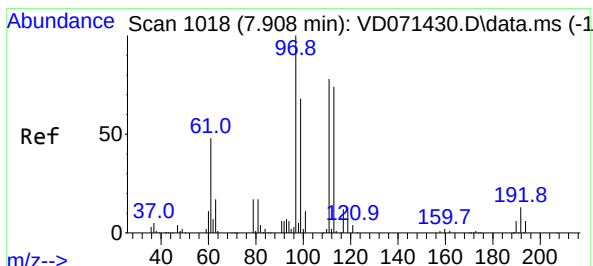
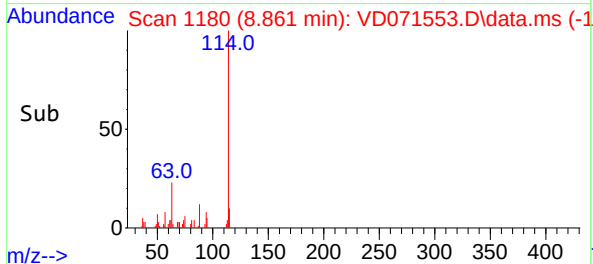
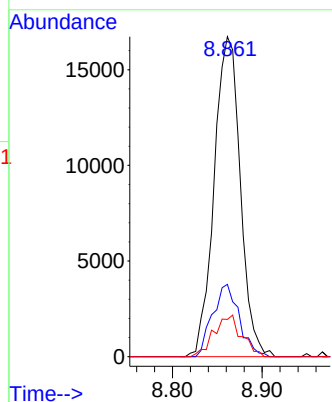
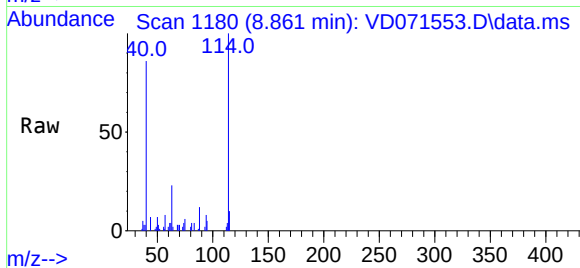
Tgt Ion:114 Resp: 33870

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 11.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.787 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD071553.D

Acq: 30 Dec 2021 17:06

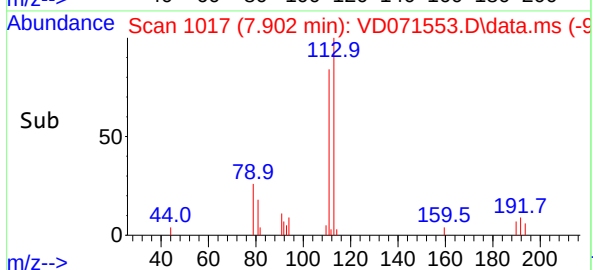
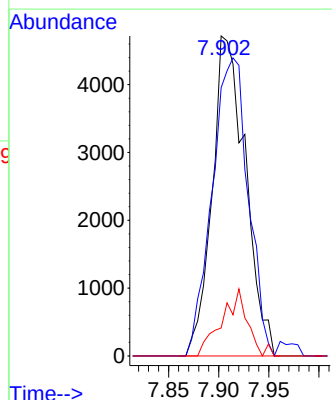
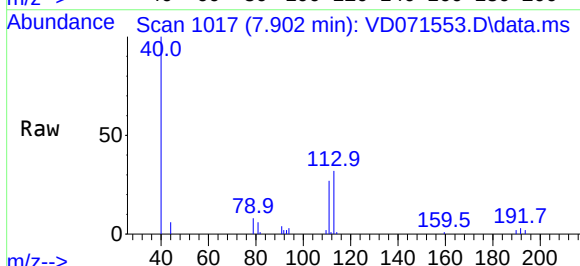
Tgt Ion:113 Resp: 10878

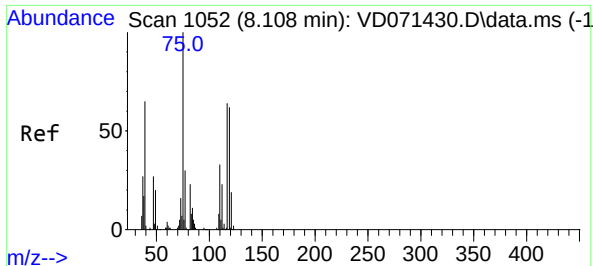
Ion Ratio Lower Upper

113 100

111 101.1 82.0 123.0

192 16.3 15.2 22.8

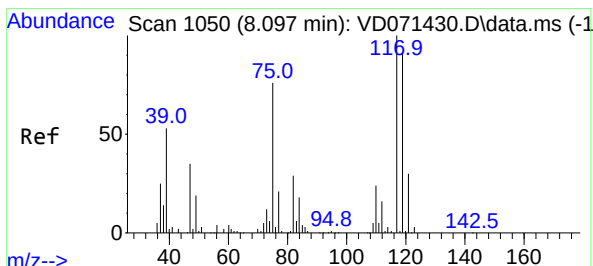
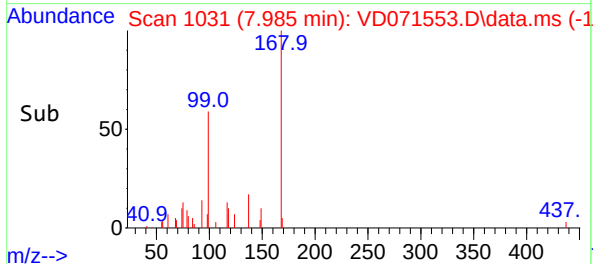
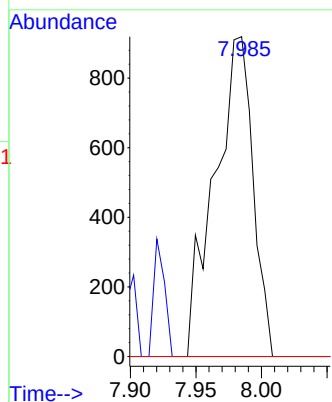
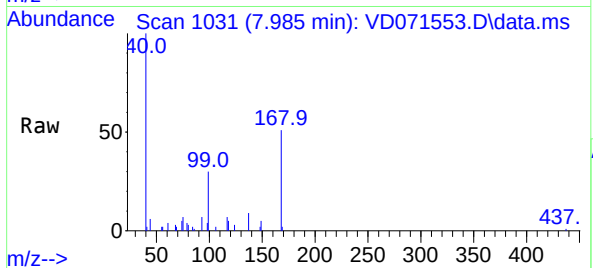




#36
1,1-Dichloropropene
Concen: 5.142 ug/l
RT: 7.985 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

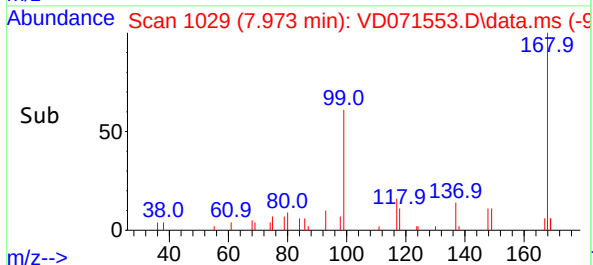
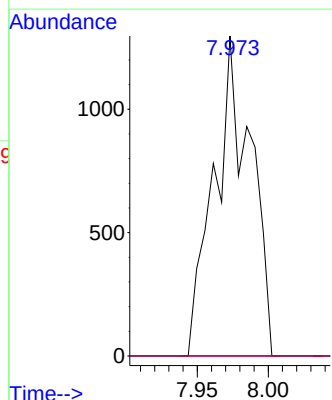
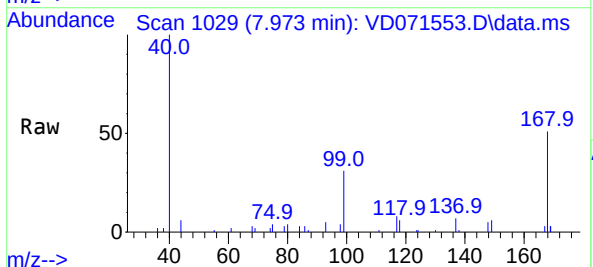
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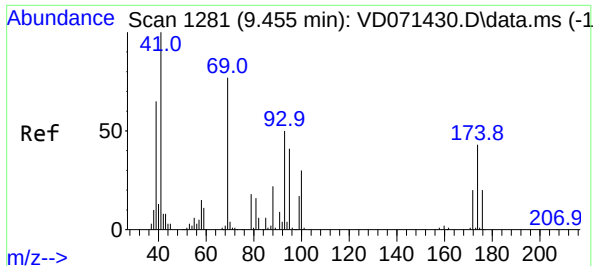
Tgt Ion: 75 Resp: 1870
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.460 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

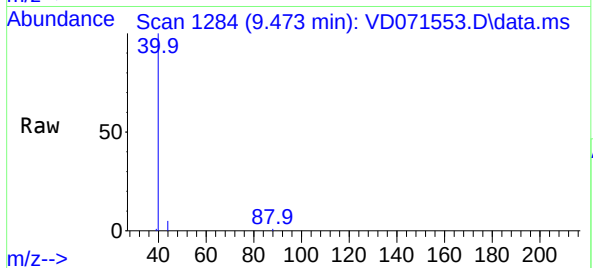
Tgt Ion: 117 Resp: 2318
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



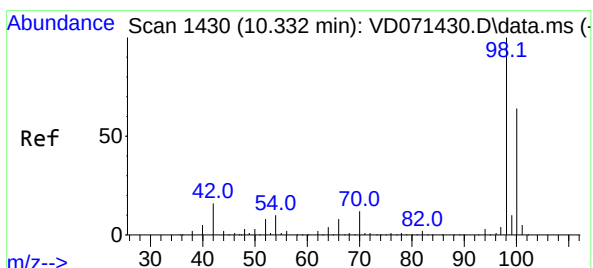
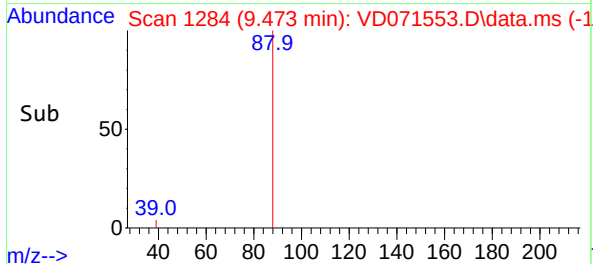
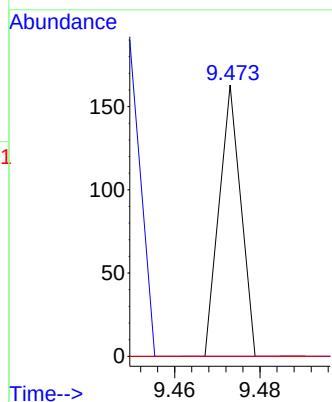


#49
1,4-Dioxane
Concen: 35.989 ug/l
RT: 9.473 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

Instrument :
MSVOA_D
ClientSampleId :
124027RE

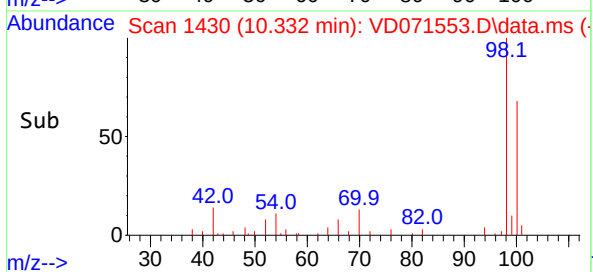
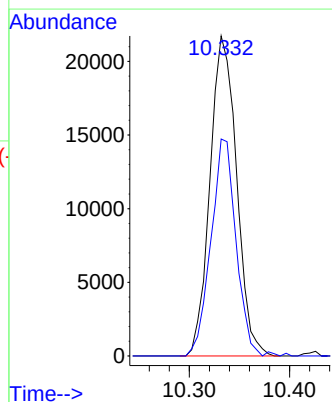
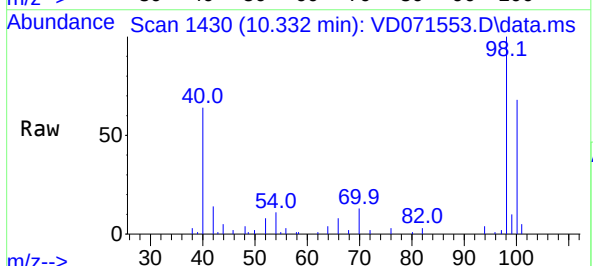


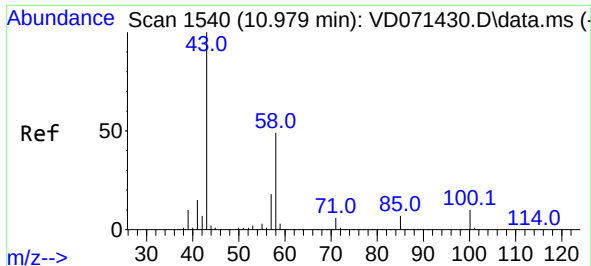
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 46.425 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

Tgt Ion: 98 Resp: 39936
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6

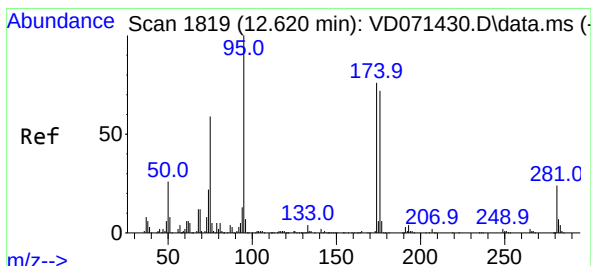
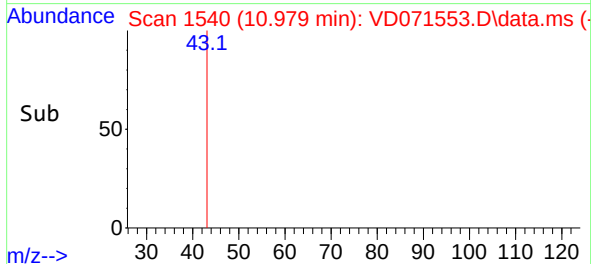
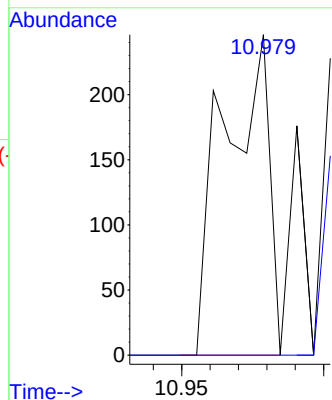
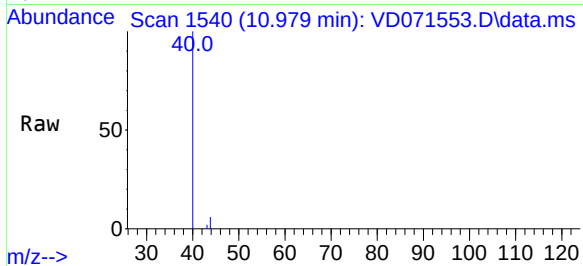




#59
2-Hexanone
Concen: 2.187 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

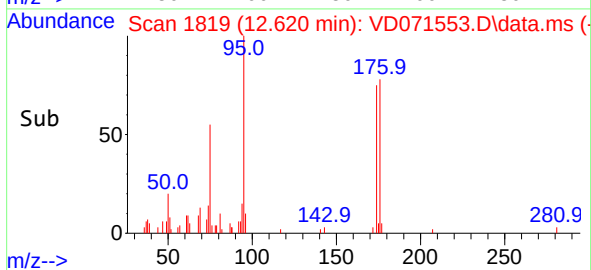
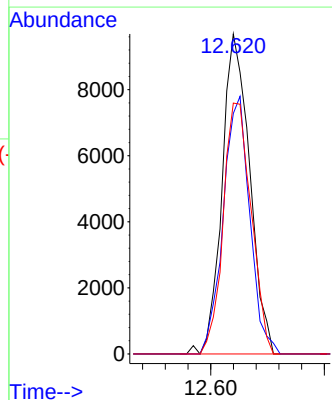
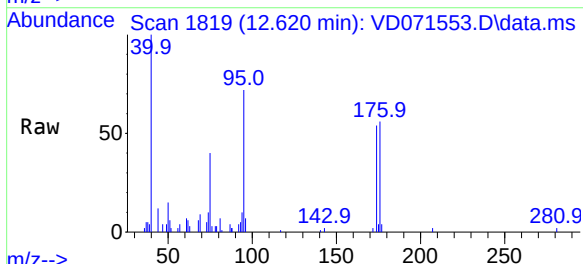
Instrument :
MSVOA_D
ClientSampleId :
124027RE

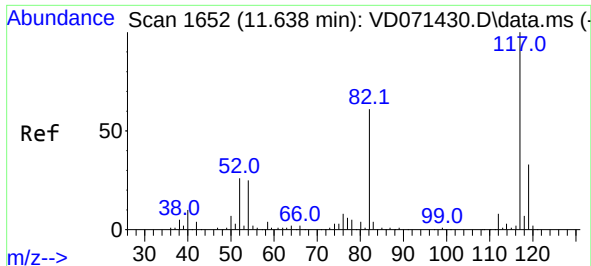
Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 53.392 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

Tgt Ion: 95 Resp: 16321
Ion Ratio Lower Upper
95 100
174 77.5 0.0 159.4
176 79.6 0.0 154.0

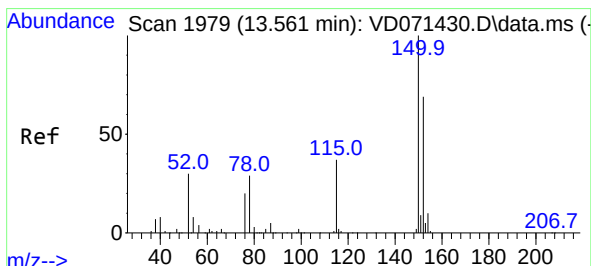
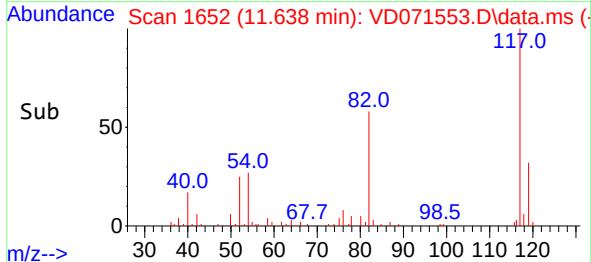
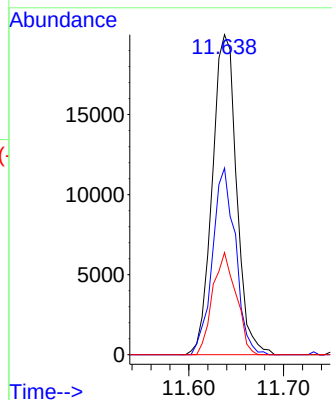
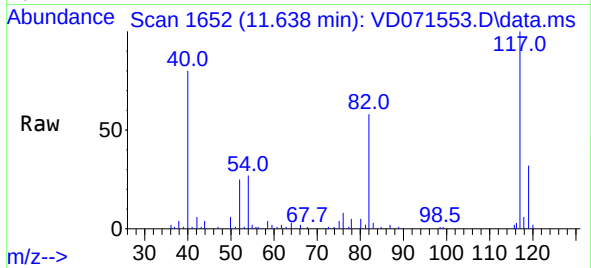




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

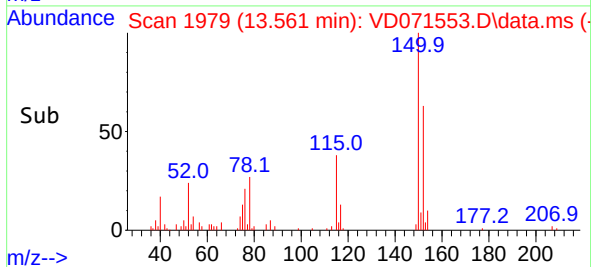
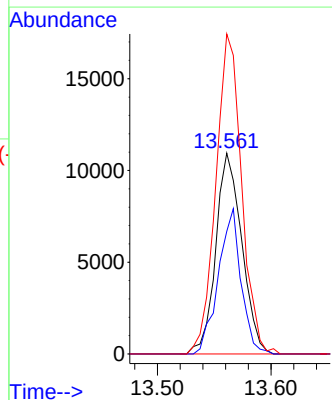
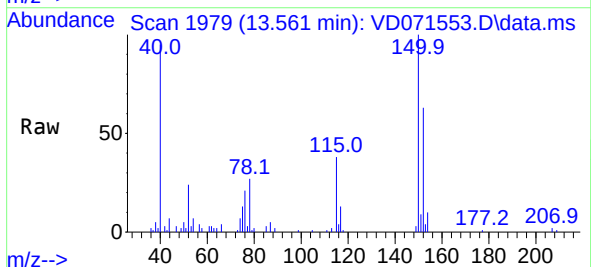
Instrument :
MSVOA_D
ClientSampleId :
124027RE

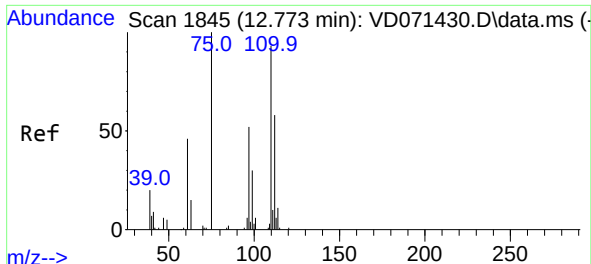
Tgt Ion:117 Resp: 35496
Ion Ratio Lower Upper
117 100
82 58.3 44.7 67.1
119 31.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

Tgt Ion:152 Resp: 17425
Ion Ratio Lower Upper
152 100
115 63.1 29.8 89.3
150 158.0 0.0 349.2

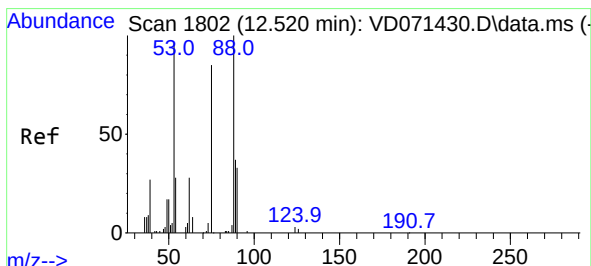
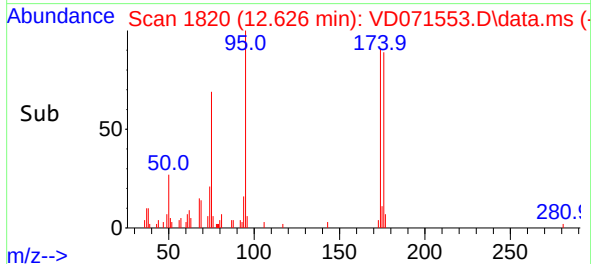
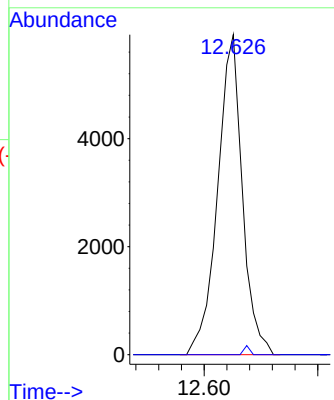
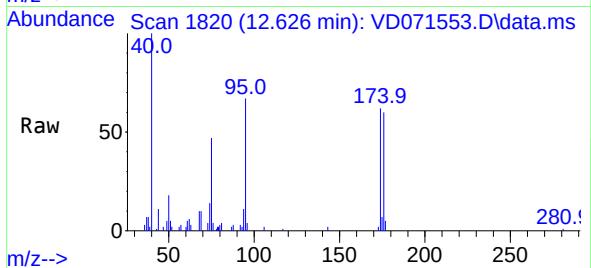




#76
1,2,3-Trichloropropane
Concen: 43.214 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

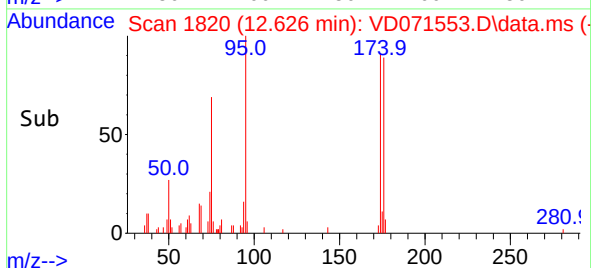
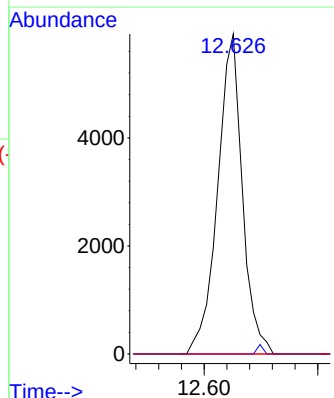
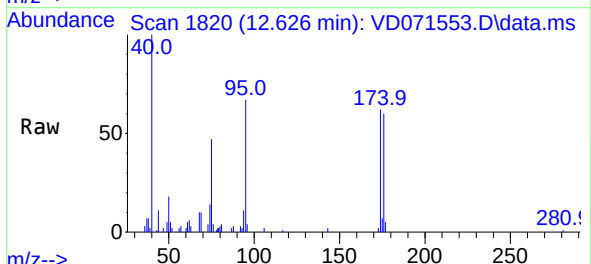
Instrument :
MSVOA_D
ClientSampleId :
124027RE

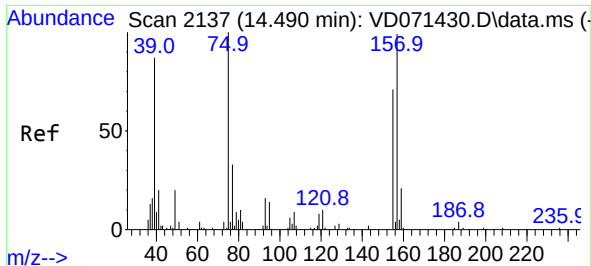
Tgt Ion: 75 Resp: 8947
Ion Ratio Lower Upper
75 100
77 0.7 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.102 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071553.D
Acq: 30 Dec 2021 17:06

Tgt Ion: 75 Resp: 8947
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.614 ug/l

RT: 14.608 min Scan# 21

Delta R.T. 0.118 min

Lab File: VD071553.D

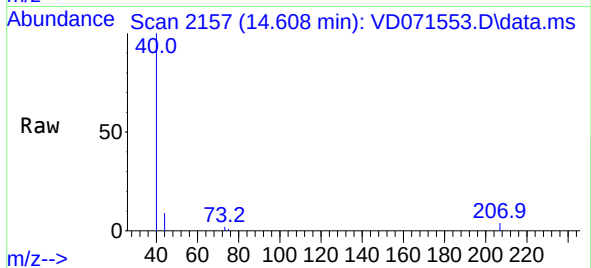
Acq: 30 Dec 2021 17:06

Instrument :

MSVOA_D

ClientSampleId :

124027RE



Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

155 0.0 40.0 120.0#

157 0.0 49.8 149.3#

