

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042423\
 Data File : VD075800.D
 Acq On : 24 Apr 2023 18:19
 Operator : KP/SY
 Sample : 02464-03
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-92

Quant Time: Apr 25 06:11:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

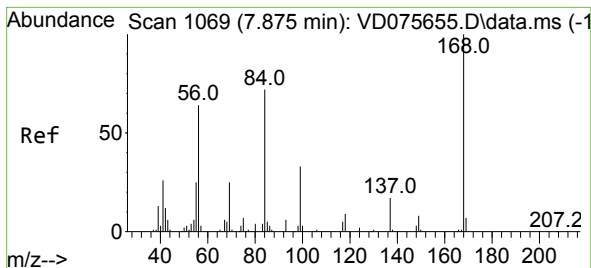
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	198700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	377704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	121188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	101915	54.036	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.080%			
35) Dibromofluoromethane	7.810	113	127960	50.369	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.740%			
50) Toluene-d8	10.269	98	469368	46.137	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.280%			
62) 4-Bromofluorobenzene	12.575	95	105093	38.865	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.720%			
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	19401	2.914	ug/l #	72
31) Cyclohexane	7.881	56	3704	1.252	ug/l #	14
36) 1,1-Dichloropropene	7.887	75	14418	4.114	ug/l #	50
38) Carbon Tetrachloride	7.869	117	18270	5.920	ug/l #	17
51) 4-Methyl-2-Pentanone	10.257	43	1301	1.255	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	50604	51.204	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	50604	110.980	ug/l #	5

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

Quant Time: Apr 25 06:11:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075800.D

Acq: 24 Apr 2023 18:19

Instrument :

MSVOA_D

ClientSampleId :

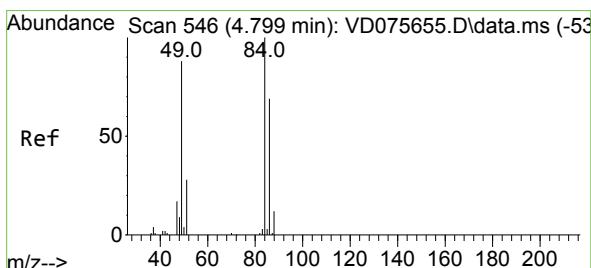
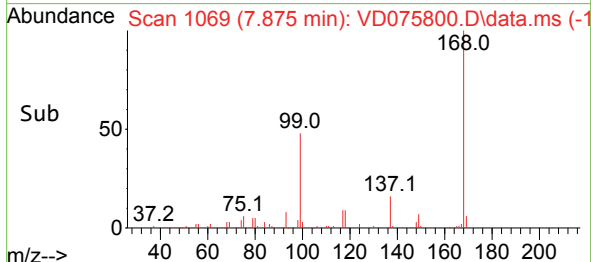
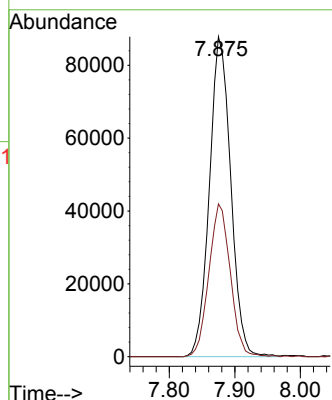
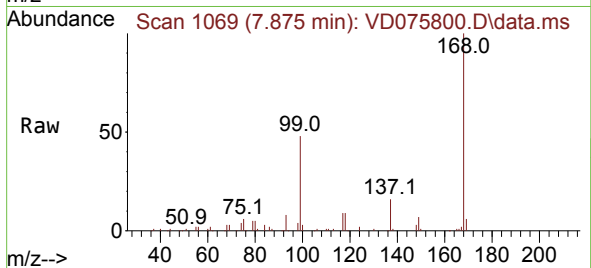
MH-92

Tgt Ion:168 Resp: 198700

Ion Ratio Lower Upper

168 100

99 47.8 43.8 65.6



#20

Methylene Chloride

Concen: 2.914 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD075800.D

Acq: 24 Apr 2023 18:19

Tgt Ion: 84 Resp: 19401

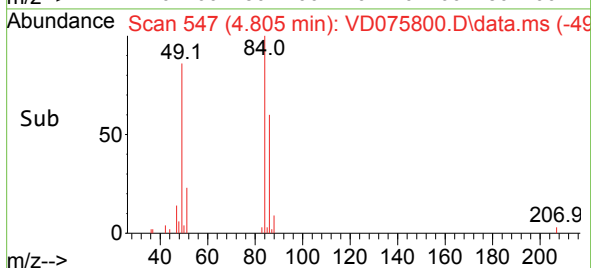
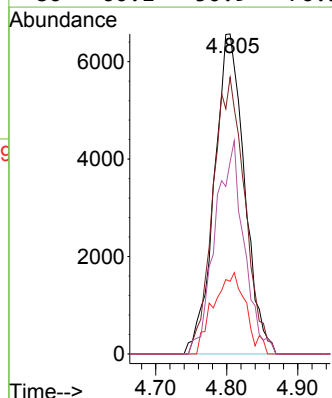
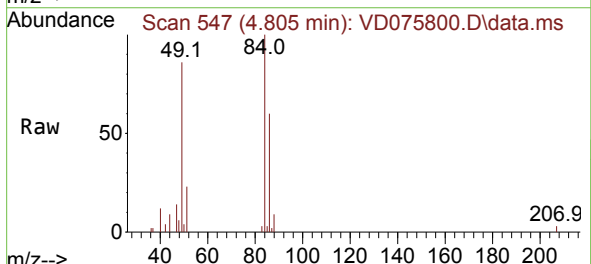
Ion Ratio Lower Upper

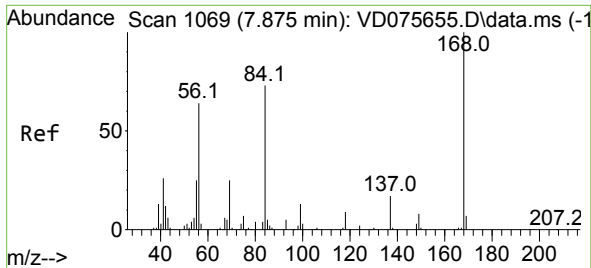
84 100

49 86.4 106.4 159.6#

51 22.7 32.4 48.6#

86 60.1 50.9 76.3

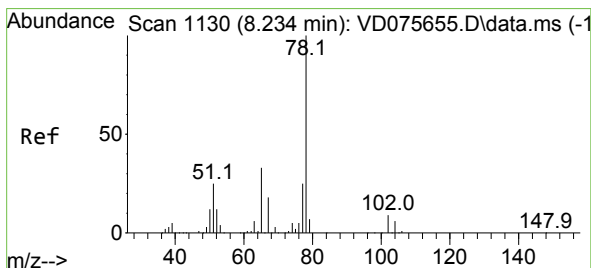
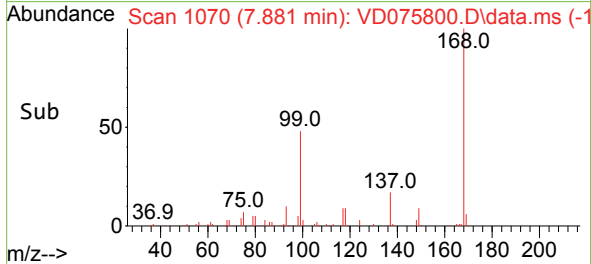
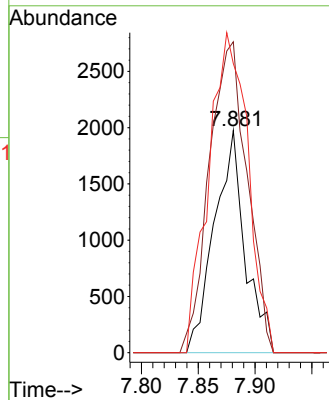
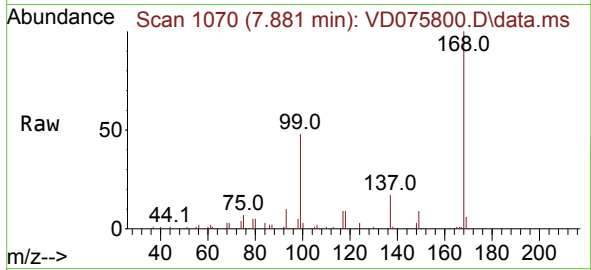




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075800.D
Acq: 24 Apr 2023 18:19

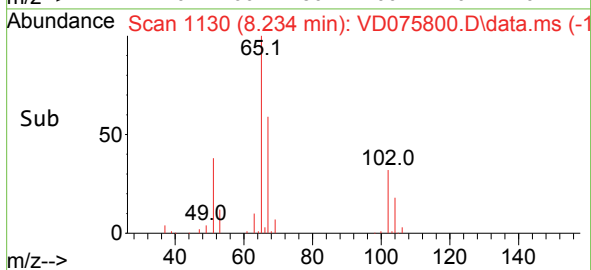
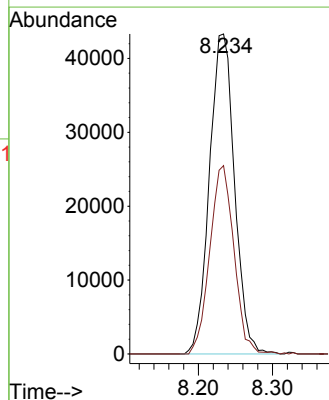
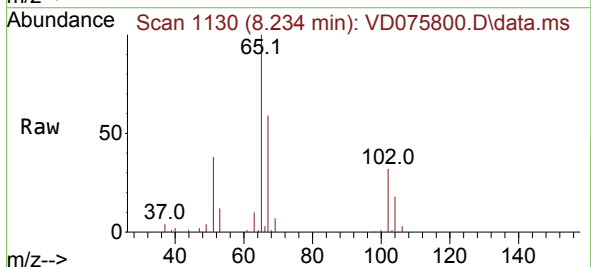
Instrument :
MSVOA_D
ClientSampleId :
MH-92

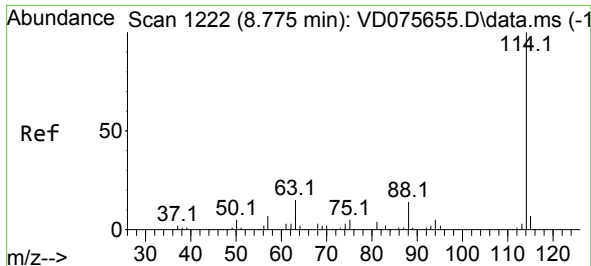
Tgt Ion: 56 Resp: 3704
Ion Ratio Lower Upper
56 100
69 139.9 25.5 38.3#
84 130.1 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 54.036 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075800.D
Acq: 24 Apr 2023 18:19

Tgt Ion: 65 Resp: 101915
Ion Ratio Lower Upper
65 100
67 56.7 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075800.D

Acq: 24 Apr 2023 18:19

Instrument :

MSVOA_D

ClientSampleId :

MH-92

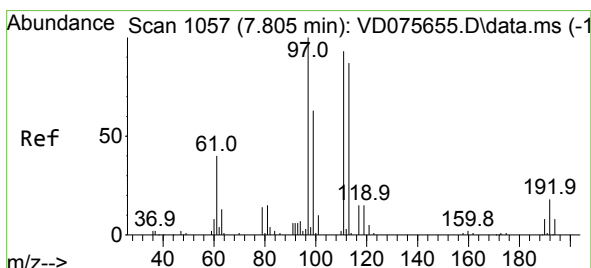
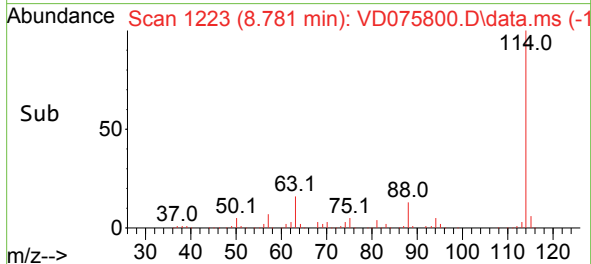
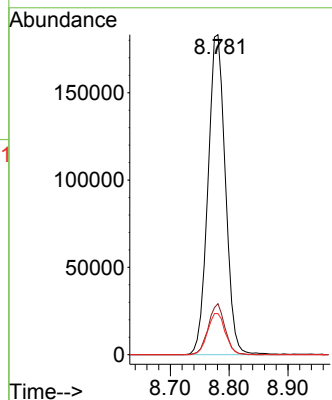
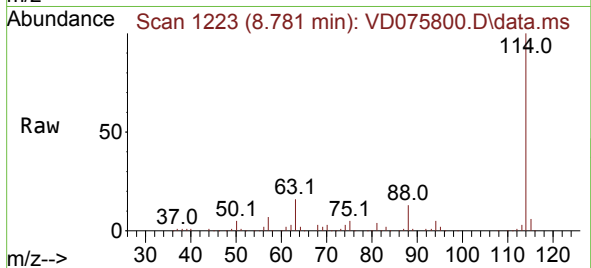
Tgt Ion:114 Resp: 377704

Ion Ratio Lower Upper

114 100

63 16.0 0.0 41.6

88 12.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.369 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD075800.D

Acq: 24 Apr 2023 18:19

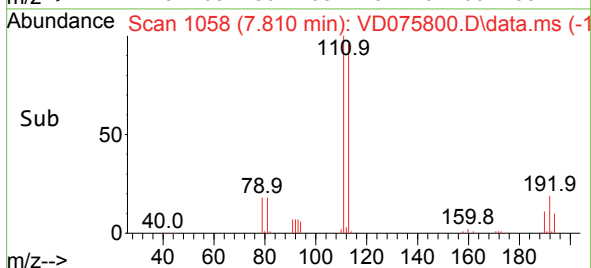
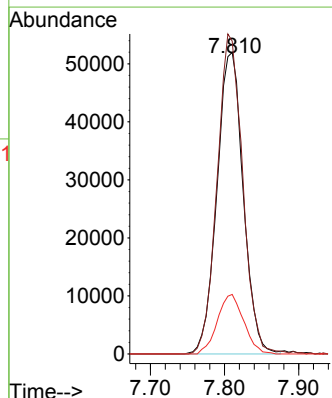
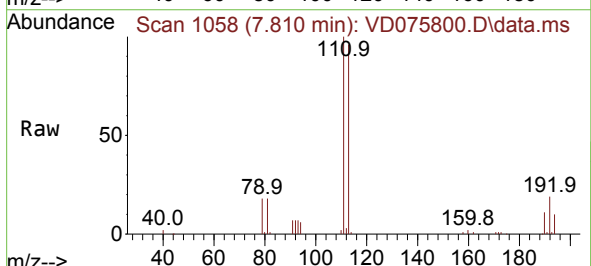
Tgt Ion:113 Resp: 127960

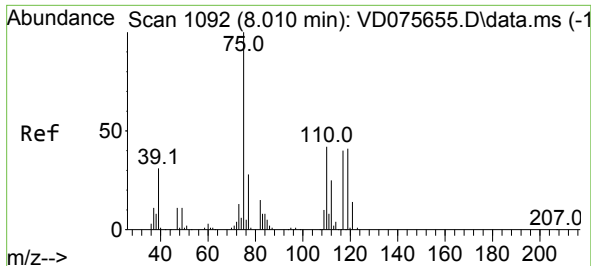
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 19.8 15.2 22.8

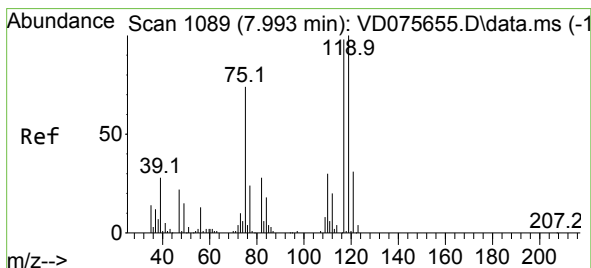
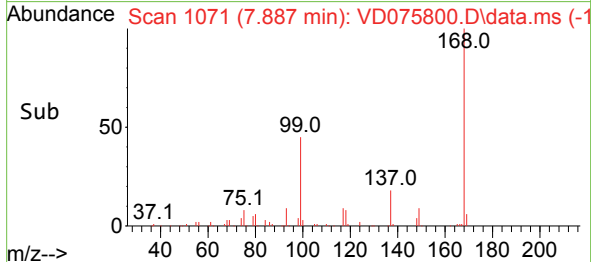
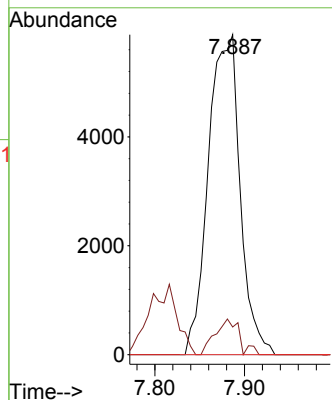
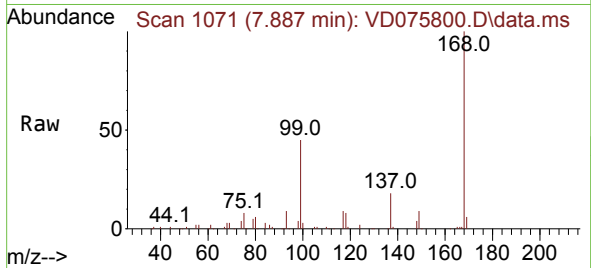




#36
1,1-Dichloropropene
Concen: 4.114 ug/l
RT: 7.887 min Scan# 1068
Delta R.T. -0.123 min
Lab File: VD075800.D
Acq: 24 Apr 2023 18:19

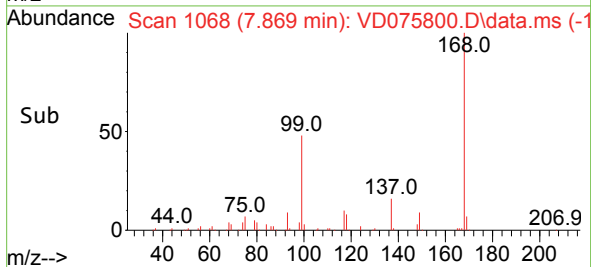
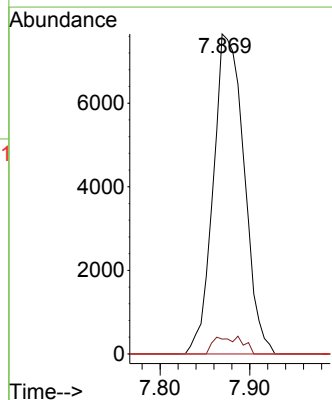
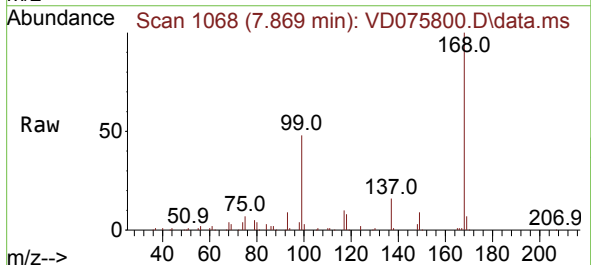
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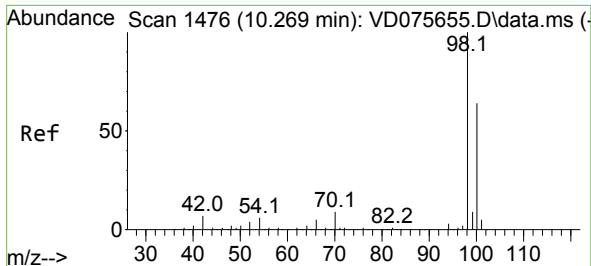
Tgt Ion: 75 Resp: 14418
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.920 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD075800.D
Acq: 24 Apr 2023 18:19

Tgt Ion: 117 Resp: 18270
Ion Ratio Lower Upper
117 100
119 4.7 74.7 112.1#
121 0.0 25.9 38.9#

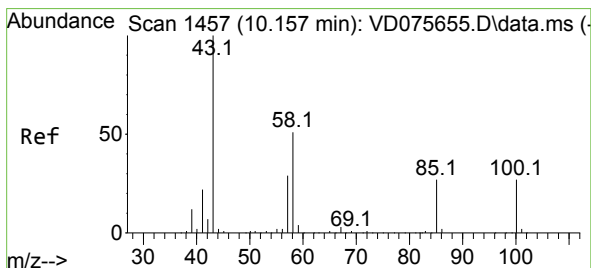
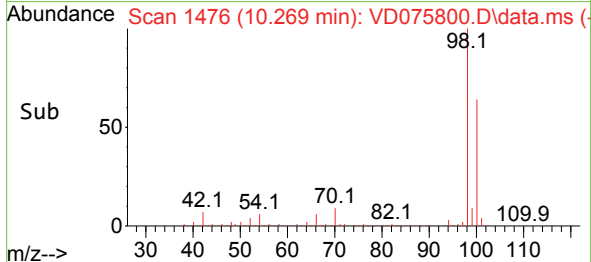
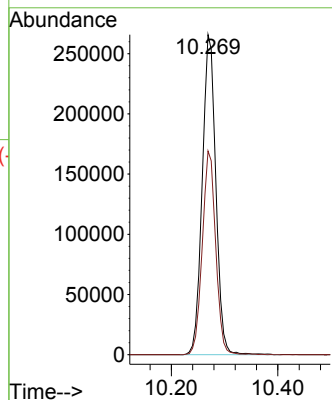
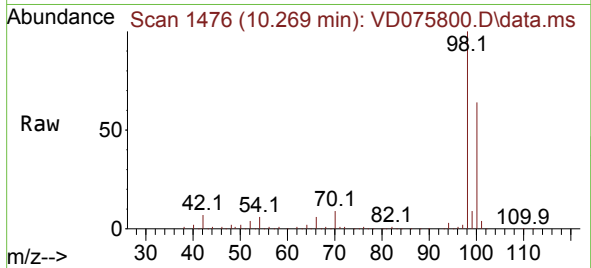




#50
Toluene-d8
Concen: 46.137 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075800.D
Acq: 24 Apr 2023 18:19

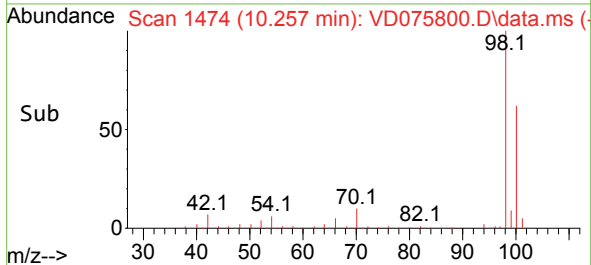
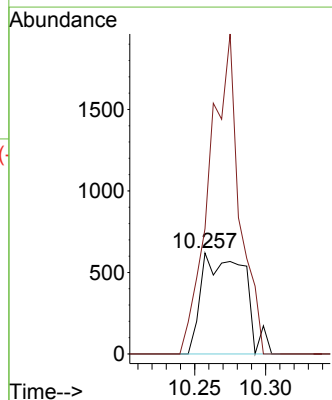
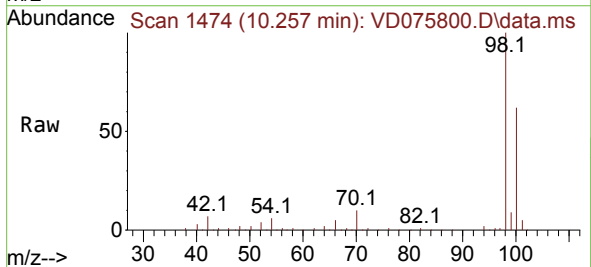
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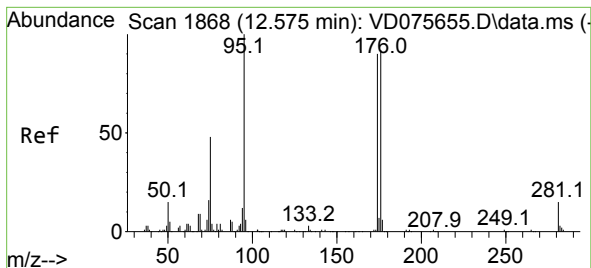
Tgt Ion: 98 Resp: 469368
Ion Ratio Lower Upper
98 100
100 62.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.255 ug/l
RT: 10.257 min Scan# 1474
Delta R.T. 0.100 min
Lab File: VD075800.D
Acq: 24 Apr 2023 18:19

Tgt Ion: 43 Resp: 1301
Ion Ratio Lower Upper
43 100
58 222.7 29.5 44.3#

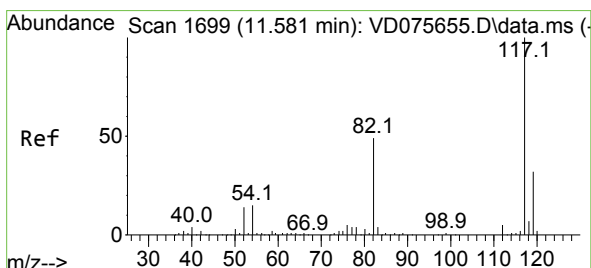
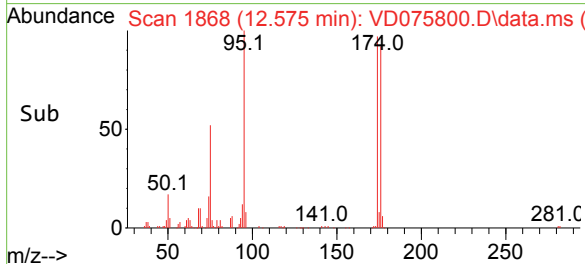
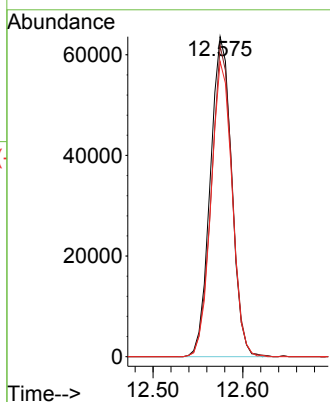
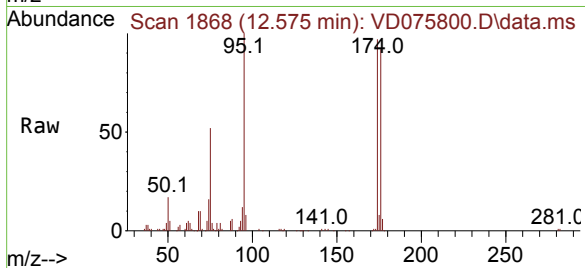




#62
4-Bromofluorobenzene
Concen: 38.865 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075800.D
Acq: 24 Apr 2023 18:19

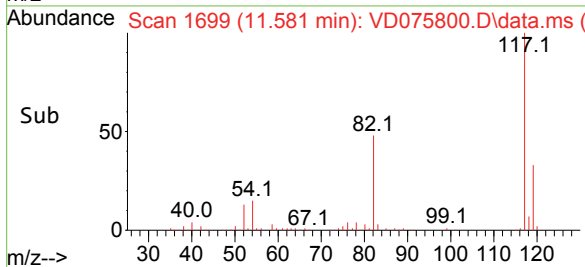
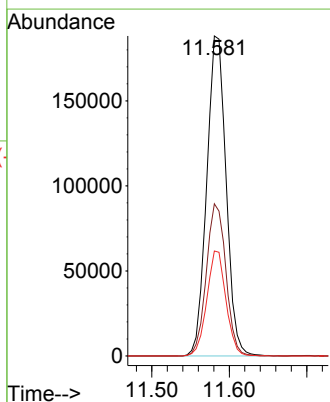
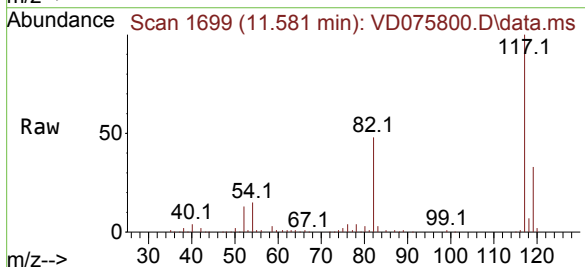
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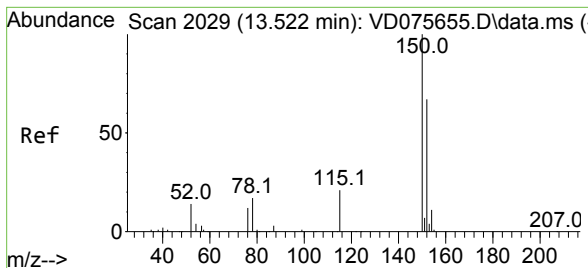
Tgt Ion: 95 Resp: 105093
Ion Ratio Lower Upper
95 100
174 94.4 0.0 164.0
176 90.7 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075800.D
Acq: 24 Apr 2023 18:19

Tgt Ion: 117 Resp: 326727
Ion Ratio Lower Upper
117 100
82 47.5 44.0 66.0
119 32.8 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075800.D

Acq: 24 Apr 2023 18:19

Instrument :

MSVOA_D

ClientSampleId :

MH-92

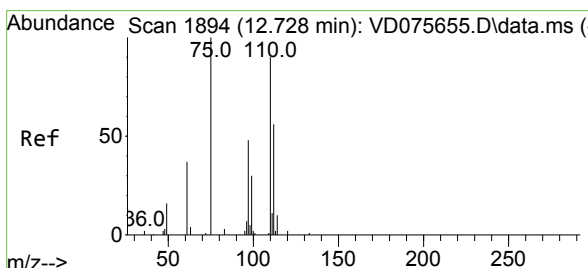
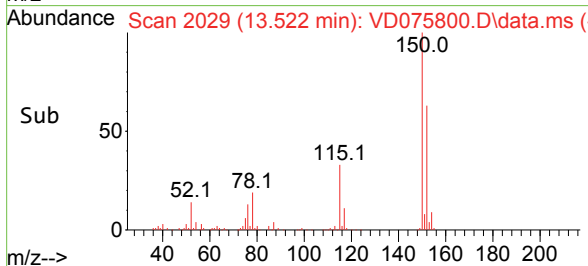
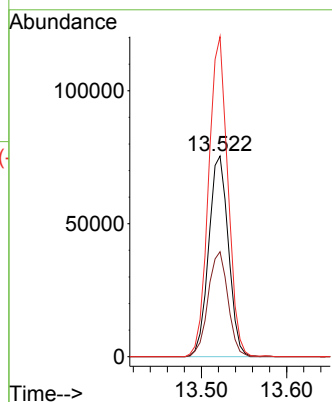
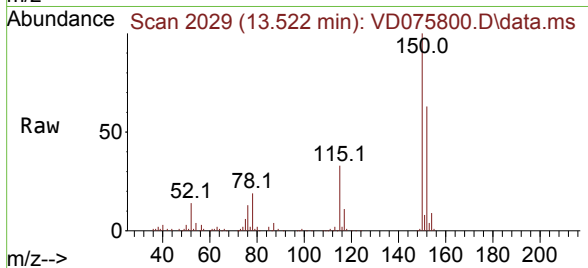
Tgt Ion:152 Resp: 121188

Ion Ratio Lower Upper

152 100

115 52.7 30.1 90.3

150 155.6 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 51.204 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075800.D

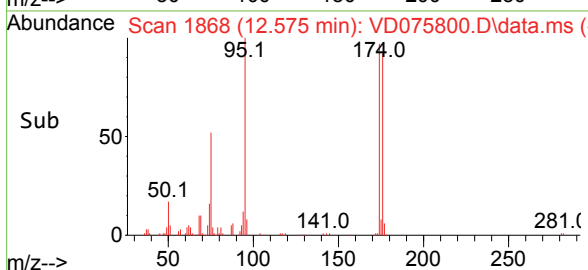
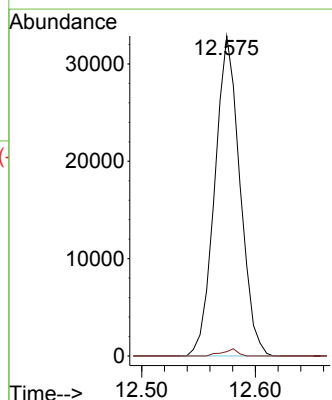
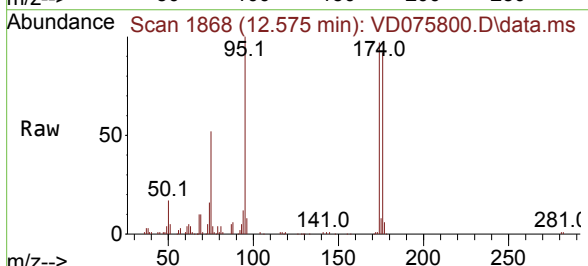
Acq: 24 Apr 2023 18:19

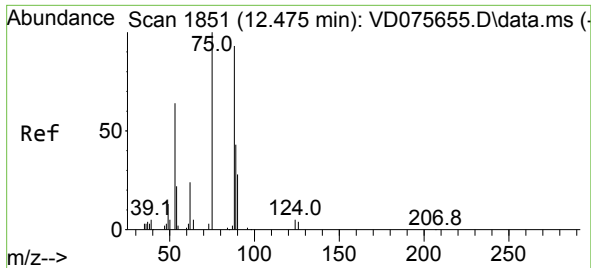
Tgt Ion: 75 Resp: 50604

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.980 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD075800.D
 Acq: 24 Apr 2023 18:19

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-92

Tgt Ion: 75 Resp: 50604
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

