

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
 Data File : VD078949.D
 Acq On : 16 May 2024 16:50
 Operator : RP/MD
 Sample : P2495-02
 Misc : 5.02G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3463

Quant Time: May 17 06:11:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

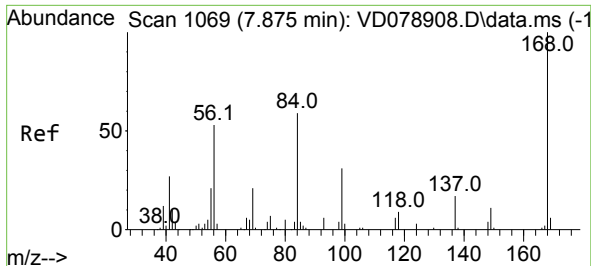
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	55153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	121940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	128369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	57104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	42573	82.293	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.580%#	
35) Dibromofluoromethane	7.805	113	47135	58.068	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.140%	
50) Toluene-d8	10.269	98	155933	51.243	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.480%	
62) 4-Bromofluorobenzene	12.575	95	42162	49.321	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.640%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.275	76	471	Below Cal	#	76
36) 1,1-Dichloropropene	7.881	75	4099	4.058	ug/l #	39
38) Carbon Tetrachloride	7.881	117	5363	4.537	ug/l #	13
51) 4-Methyl-2-Pentanone	10.269	43	641	1.970	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	22357	55.612	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	22357	110.281	ug/l #	19

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

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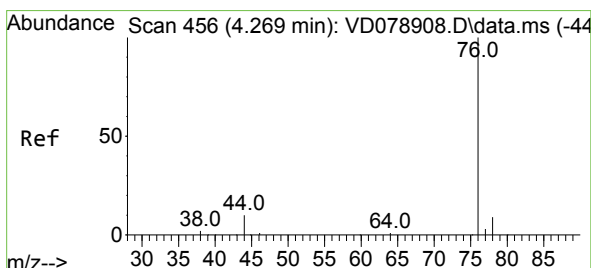
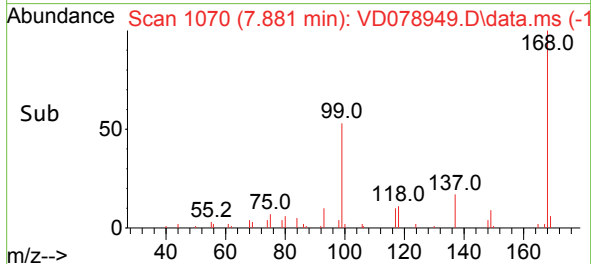
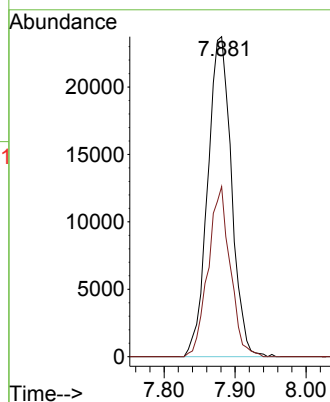
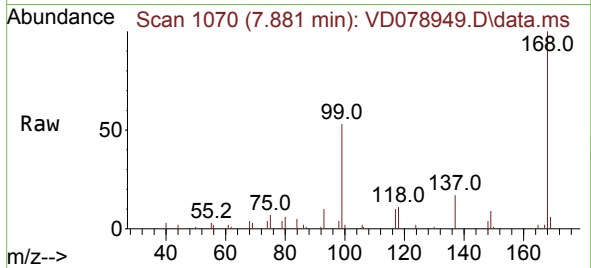




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD078949.D
Acq: 16 May 2024 16:50

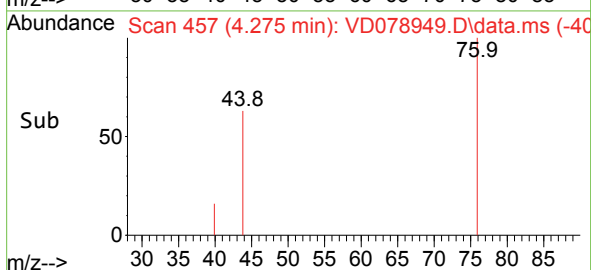
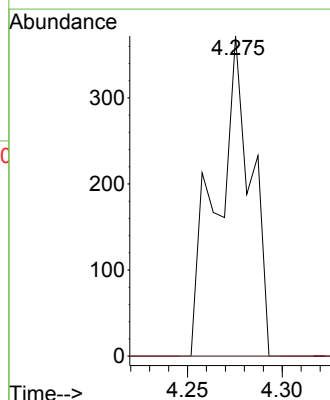
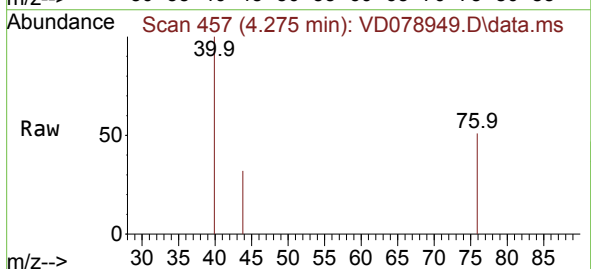
Instrument :
MSVOA_D
ClientSampleId :
RT-3463

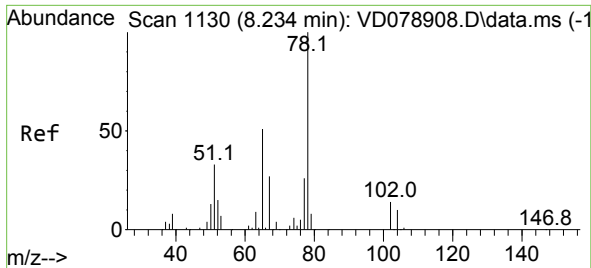
Tgt Ion:168 Resp: 55153
Ion Ratio Lower Upper
168 100
99 53.1 41.1 61.7



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.275 min Scan# 457
Delta R.T. 0.006 min
Lab File: VD078949.D
Acq: 16 May 2024 16:50

Tgt Ion: 76 Resp: 471
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

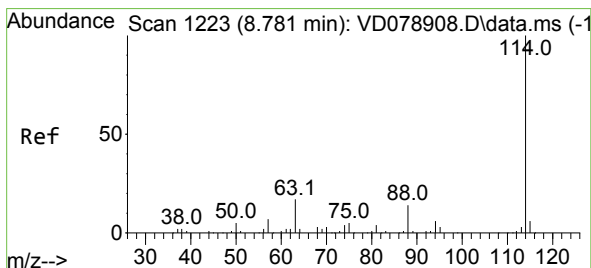
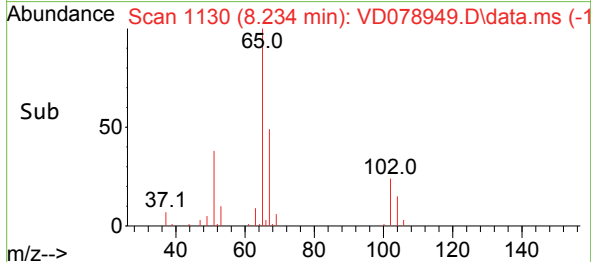
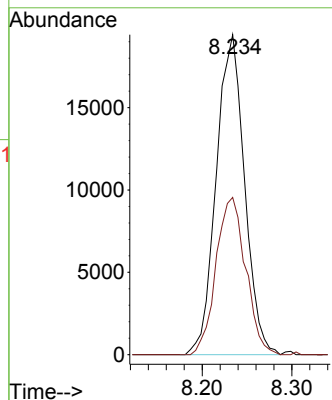
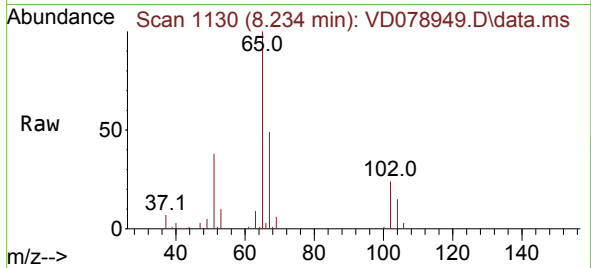




#33
 1,2-Dichloroethane-d4
 Concen: 82.293 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078949.D
 Acq: 16 May 2024 16:50

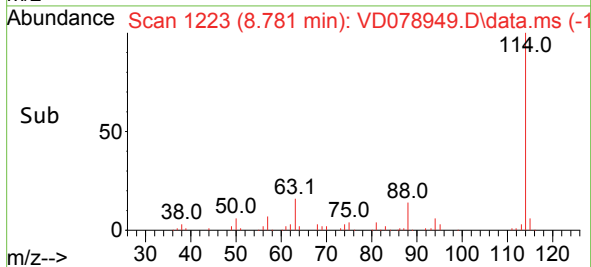
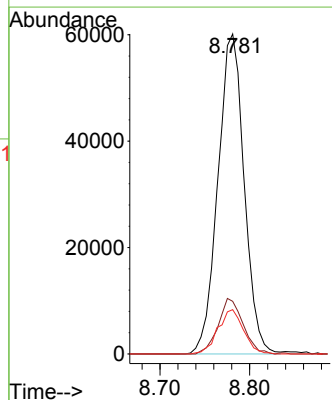
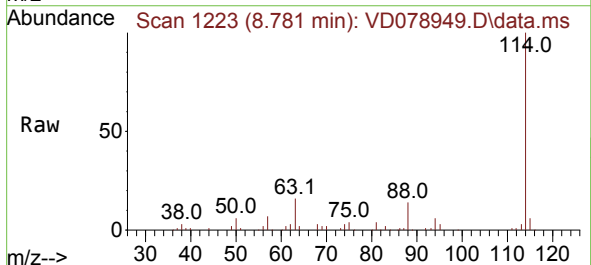
Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3463

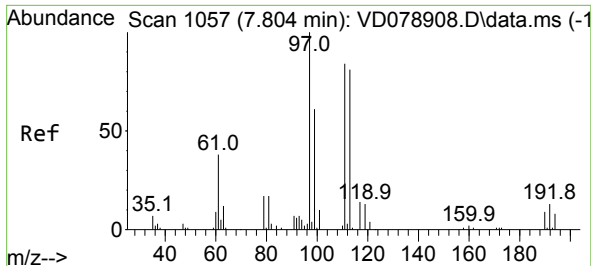
Tgt Ion: 65 Resp: 42573
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078949.D
 Acq: 16 May 2024 16:50

Tgt Ion: 114 Resp: 121940
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 34.0
 88 13.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 58.068 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078949.D

Acq: 16 May 2024 16:50

Instrument :

MSVOA_D

ClientSampleId :

RT-3463

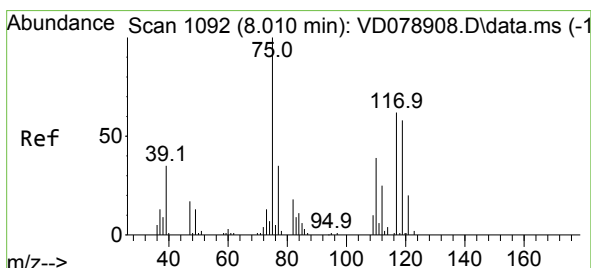
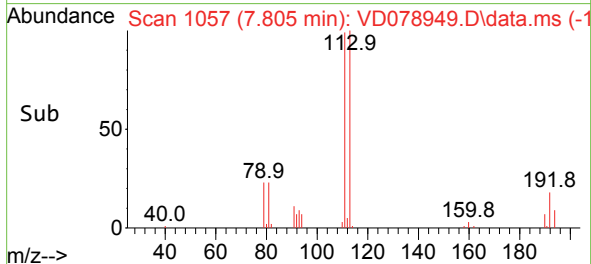
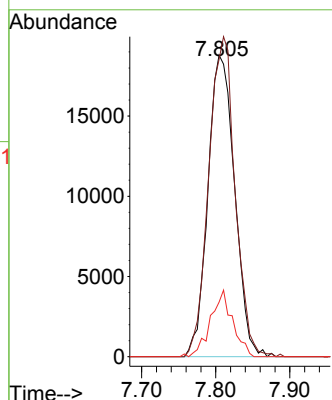
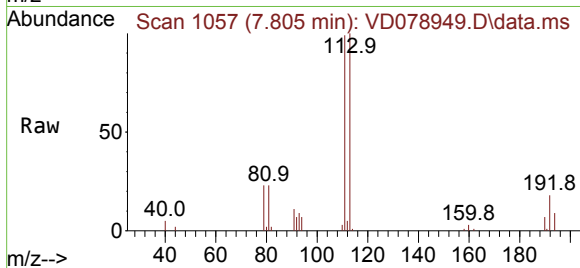
Tgt Ion:113 Resp: 47135

Ion Ratio Lower Upper

113 100

111 104.6 84.0 126.0

192 18.3 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.058 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD078949.D

Acq: 16 May 2024 16:50

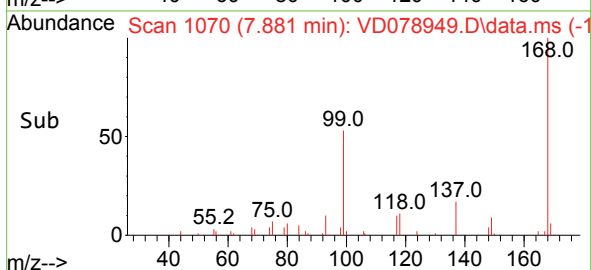
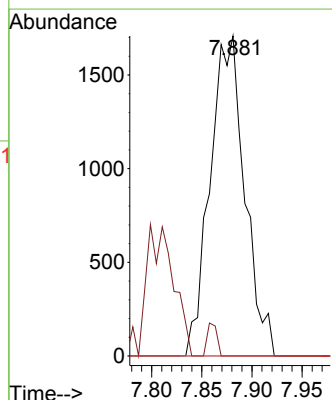
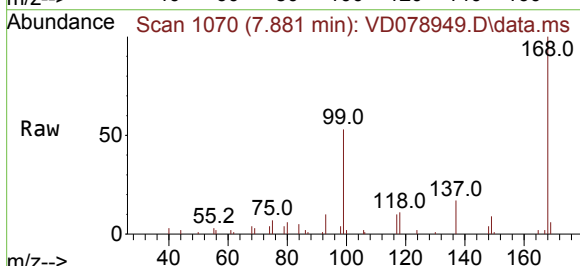
Tgt Ion: 75 Resp: 4099

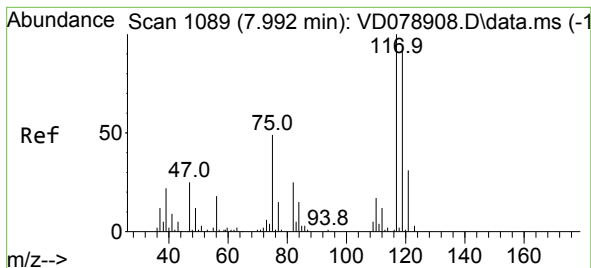
Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 4.537 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.111 min

Lab File: VD078949.D

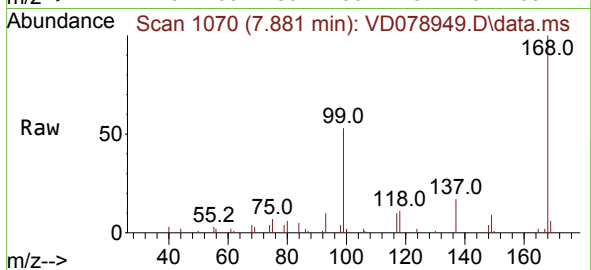
Acq: 16 May 2024 16:50

Instrument :

MSVOA_D

ClientSampleId :

RT-3463



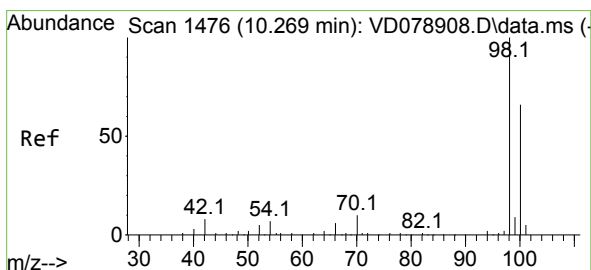
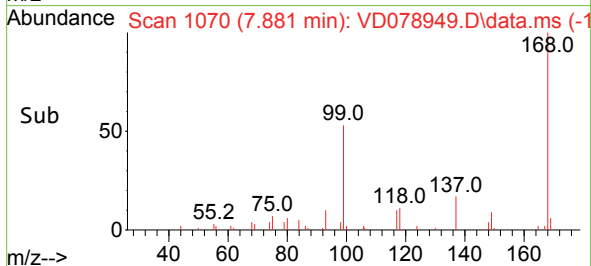
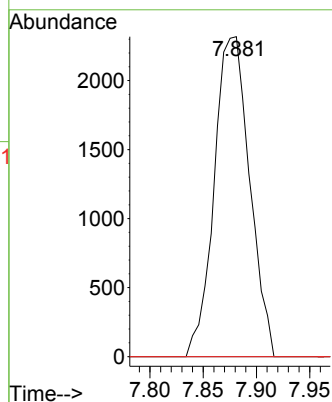
Tgt Ion:117 Resp: 5363

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.0#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 51.243 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078949.D

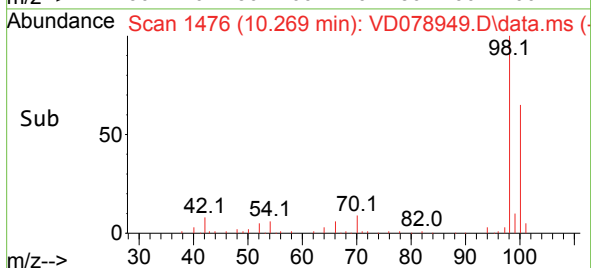
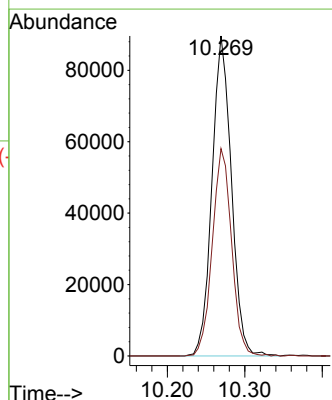
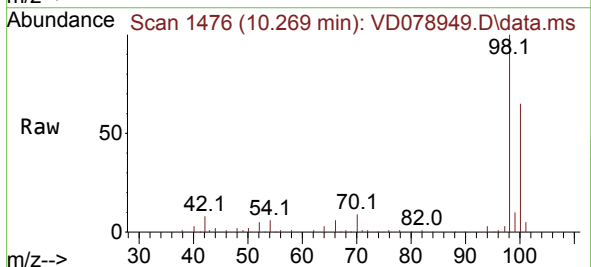
Acq: 16 May 2024 16:50

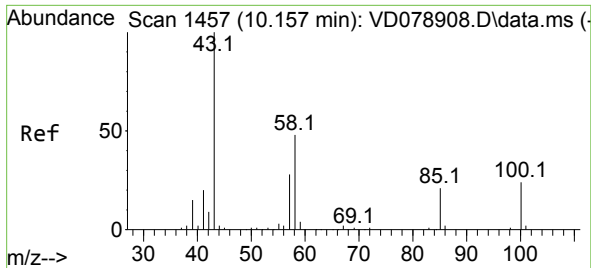
Tgt Ion: 98 Resp: 155933

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.970 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD078949.D

Acq: 16 May 2024 16:50

Instrument :

MSVOA_D

ClientSampleId :

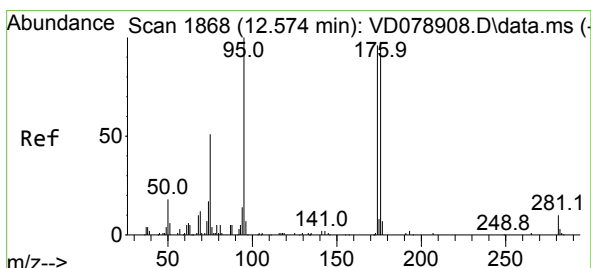
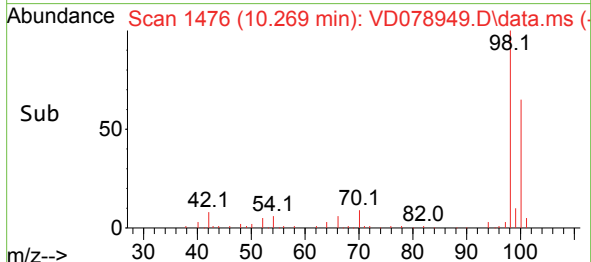
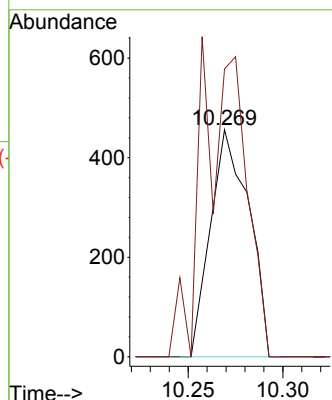
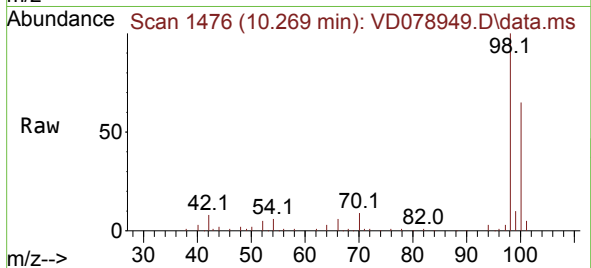
RT-3463

Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

58 154.6 36.6 55.0#



#62

4-Bromofluorobenzene

Concen: 49.321 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078949.D

Acq: 16 May 2024 16:50

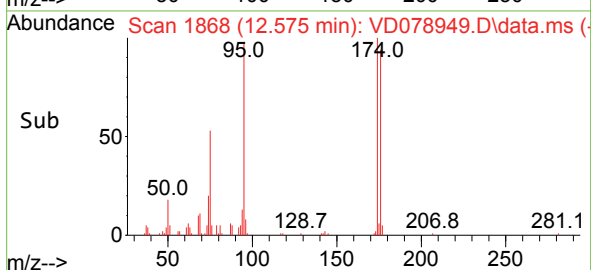
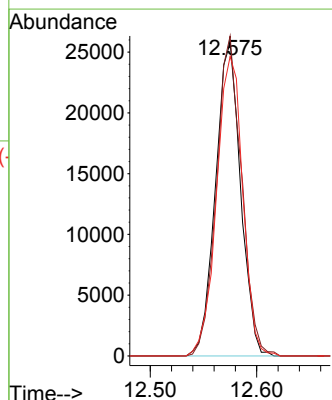
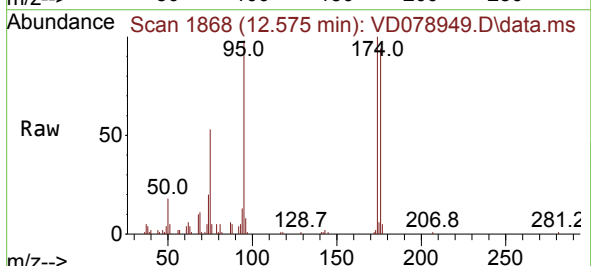
Tgt Ion: 95 Resp: 42162

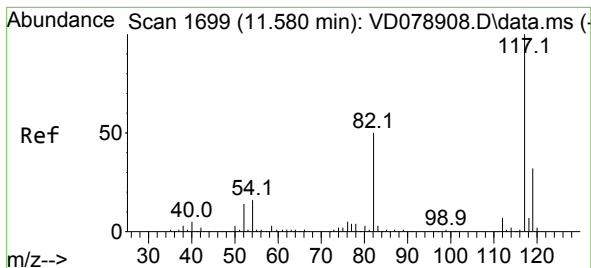
Ion Ratio Lower Upper

95 100

174 101.9 0.0 195.4

176 99.7 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078949.D

Acq: 16 May 2024 16:50

Instrument :

MSVOA_D

ClientSampleId :

RT-3463

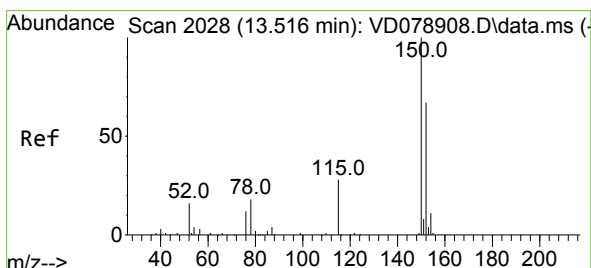
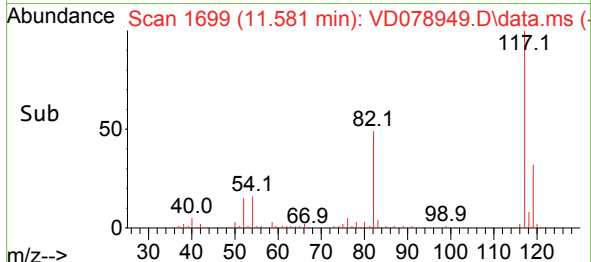
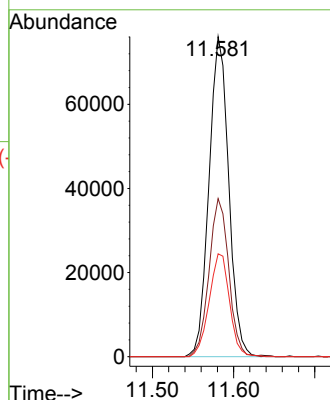
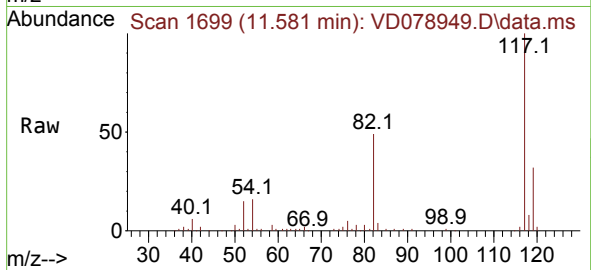
Tgt Ion:117 Resp: 128369

Ion Ratio Lower Upper

117 100

82 49.4 39.8 59.6

119 32.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078949.D

Acq: 16 May 2024 16:50

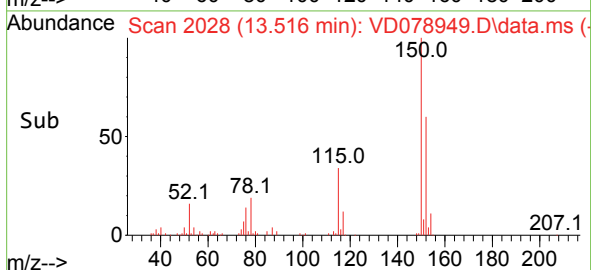
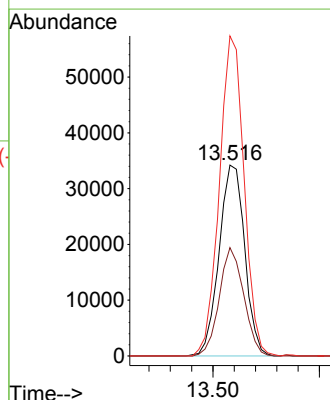
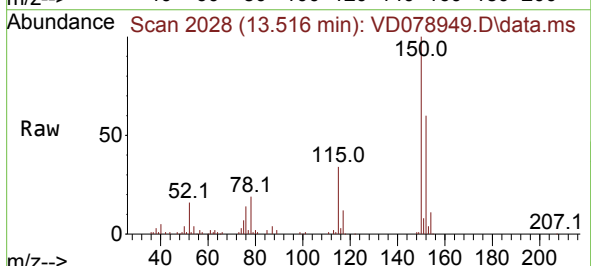
Tgt Ion:152 Resp: 57104

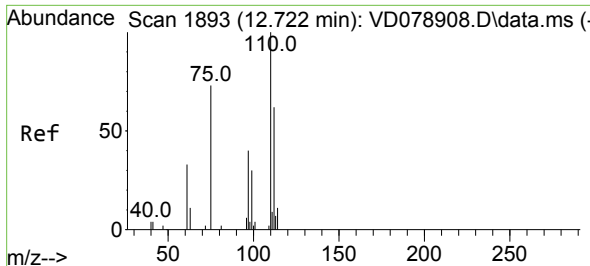
Ion Ratio Lower Upper

152 100

115 54.1 26.5 79.5

150 161.6 0.0 341.6

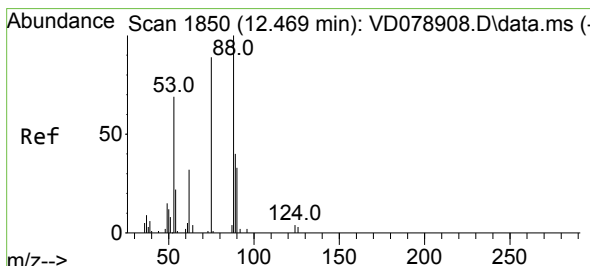
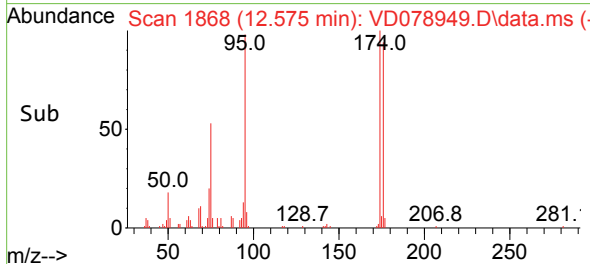
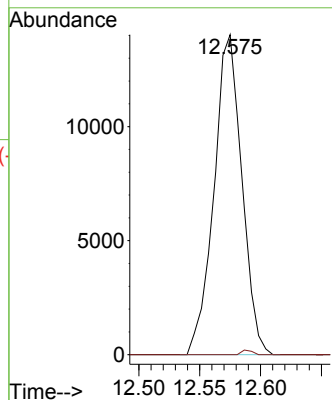
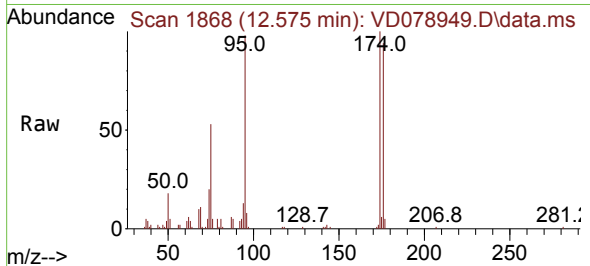




#76
1,2,3-Trichloropropane
Concen: 55.612 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078949.D
Acq: 16 May 2024 16:50

Instrument :
MSVOA_D
ClientSampleId :
RT-3463

Tgt Ion: 75 Resp: 22357
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.281 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078949.D
Acq: 16 May 2024 16:50

Tgt Ion: 75 Resp: 22357
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

