

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076517.D
 Acq On : 21 Jun 2023 17:21
 Operator : KP/SY
 Sample : 03290-02
 Misc : 4.14G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

Quant Time: Jun 22 02:01:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

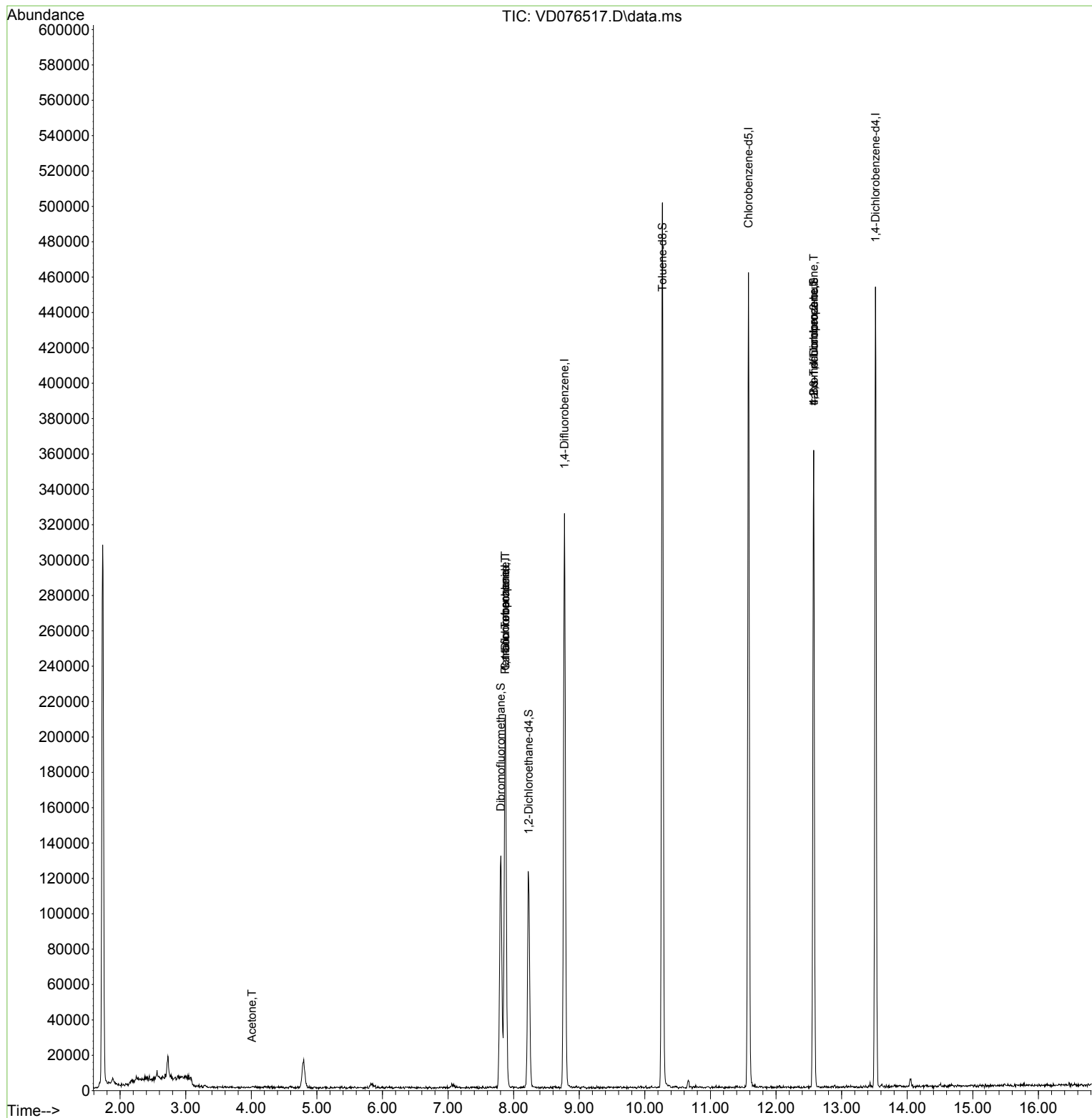
Internal Standards						
1) Pentafluorobenzene	7.869	168	166362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	278818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	255450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	116376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89607	53.760	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.520%	
35) Dibromofluoromethane	7.805	113	92446	55.812	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.620%	
50) Toluene-d8	10.269	98	335240	53.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.740%	
62) 4-Bromofluorobenzene	12.575	95	101749	49.909	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.820%	
Target Compounds						Qvalue
16) Acetone	4.011	43	572	1.442	ug/l #	32
20) Methylene Chloride	4.787	84	10899	Below Cal	#	81
36) 1,1-Dichloropropene	7.875	75	13229	5.703	ug/l #	47
38) Carbon Tetrachloride	7.875	117	16523	7.970	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	55611	48.148	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	55611	105.503	ug/l #	17

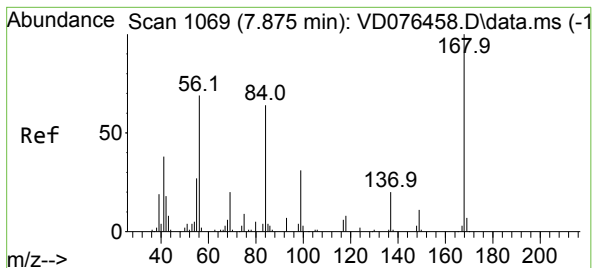
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

Instrument :

MSVOA_D

ClientSampleId :

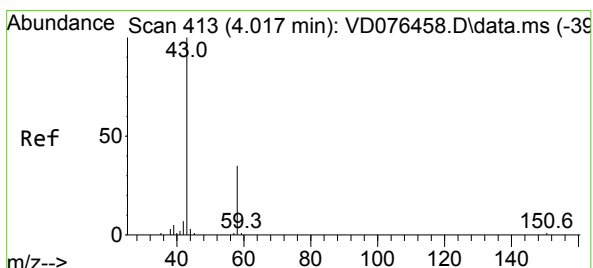
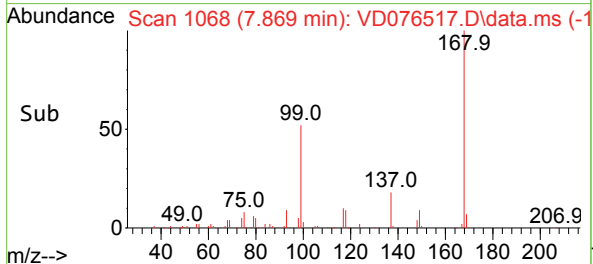
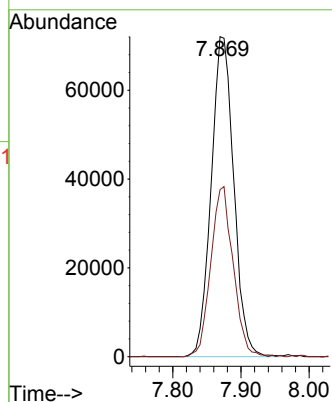
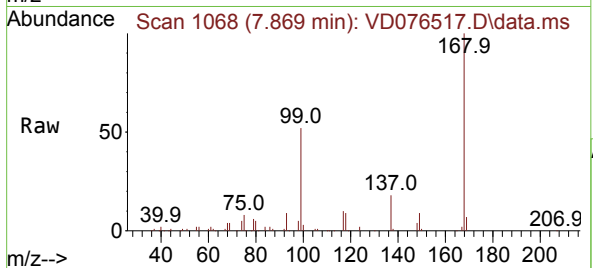
SB-2

Tgt Ion:168 Resp: 166362

Ion Ratio Lower Upper

168 100

99 52.2 36.7 55.1



#16

Acetone

Concen: 1.442 ug/l

RT: 4.011 min Scan# 412

Delta R.T. -0.006 min

Lab File: VD076517.D

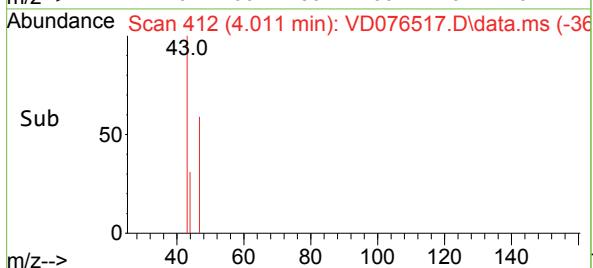
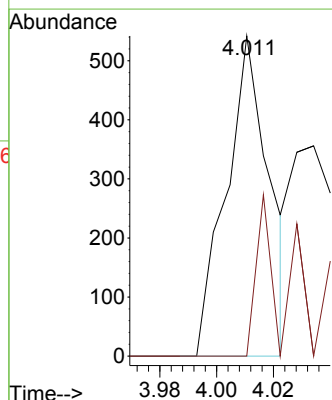
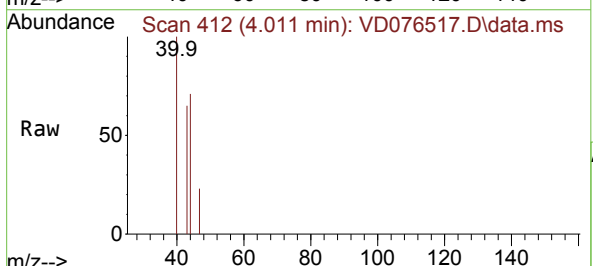
Acq: 21 Jun 2023 17:21

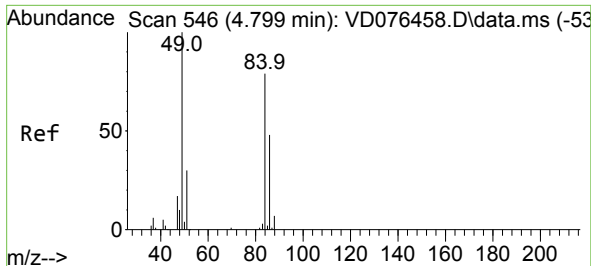
Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#

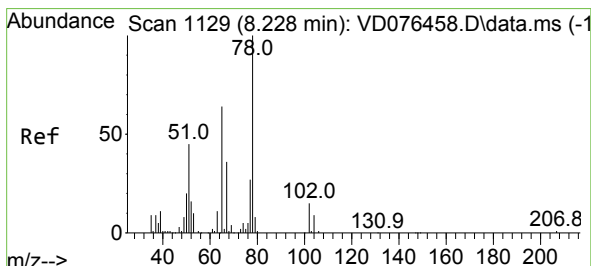
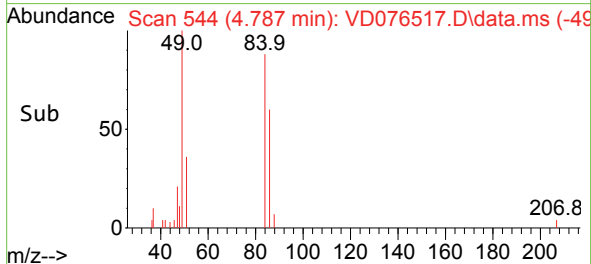
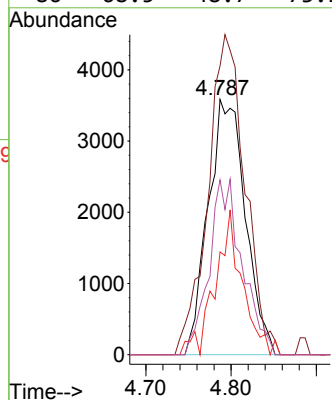
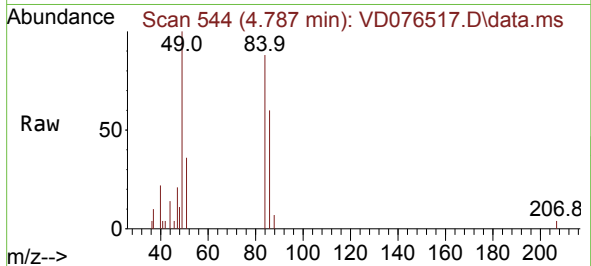




#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 546
Delta R.T. -0.012 min
Lab File: VD076517.D
Acq: 21 Jun 2023 17:21

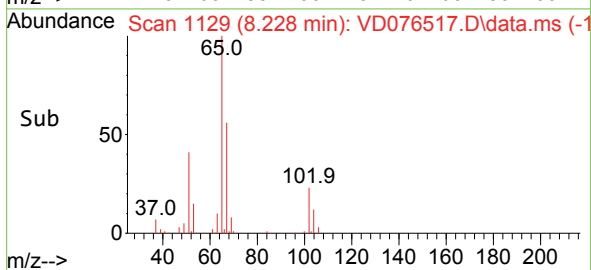
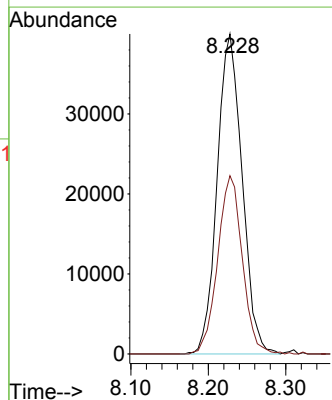
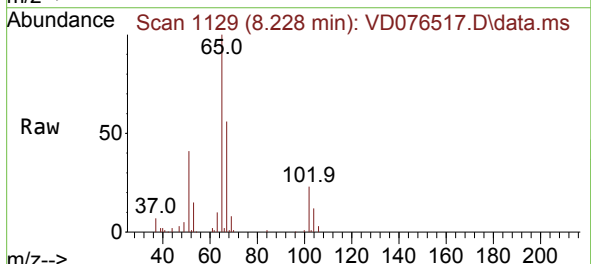
Instrument :
MSVOA_D
ClientSampleId :
SB-2

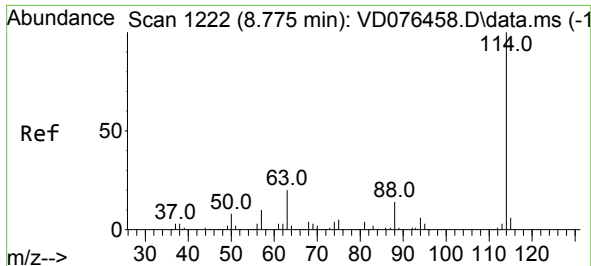
Tgt Ion: 84 Resp: 10899
Ion Ratio Lower Upper
84 100
49 113.2 71.4 107.2#
51 40.2 24.5 36.7#
86 68.5 48.7 73.1



#33
1,2-Dichloroethane-d4
Concen: 53.760 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076517.D
Acq: 21 Jun 2023 17:21

Tgt Ion: 65 Resp: 89607
Ion Ratio Lower Upper
65 100
67 55.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 114

Delta R.T. -0.000 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

Instrument :

MSVOA_D

ClientSampleId :

SB-2

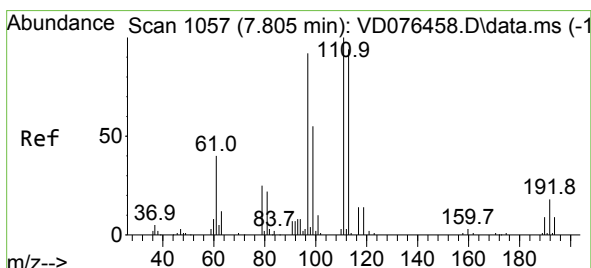
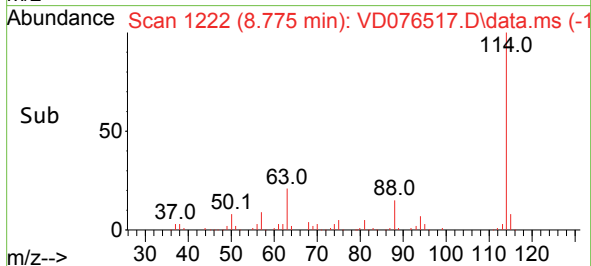
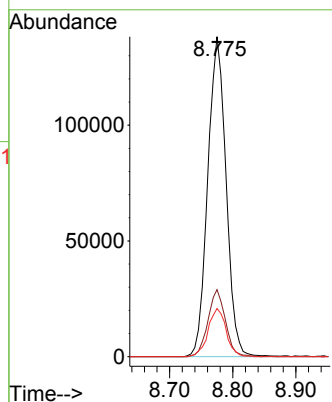
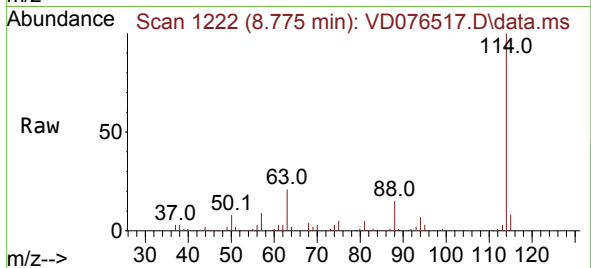
Tgt Ion:114 Resp: 278818

Ion Ratio Lower Upper

114 100

63 21.0 0.0 33.4

88 15.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 55.812 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

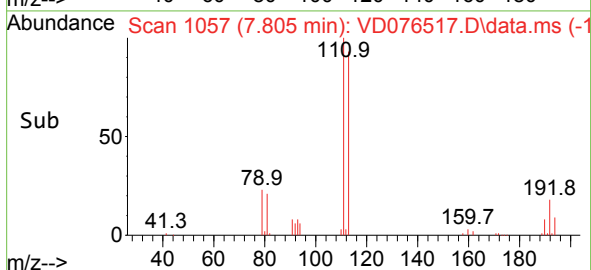
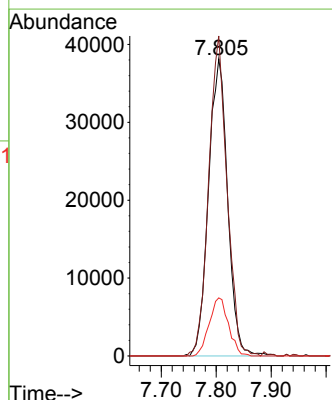
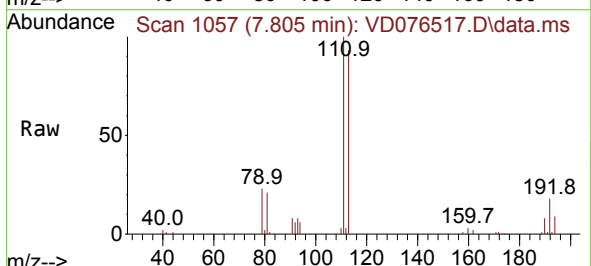
Tgt Ion:113 Resp: 92446

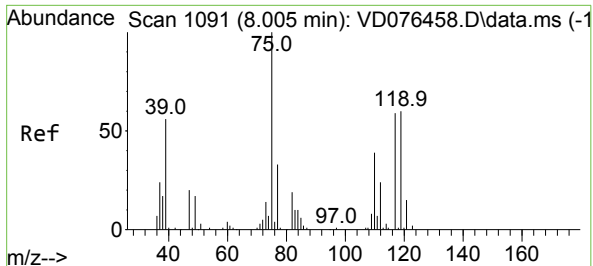
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 19.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.703 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

Instrument :

MSVOA_D

ClientSampleId :

SB-2

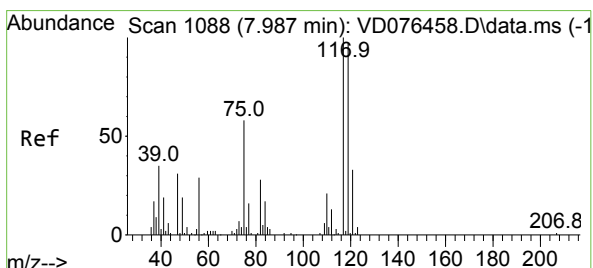
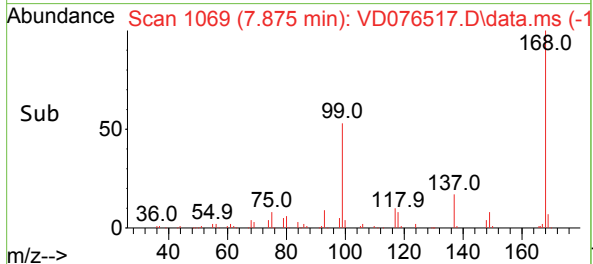
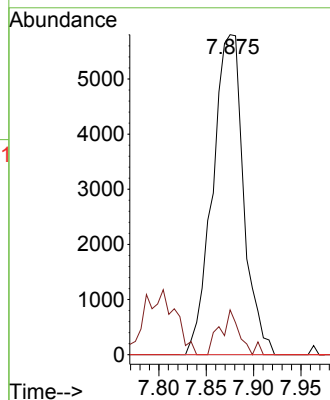
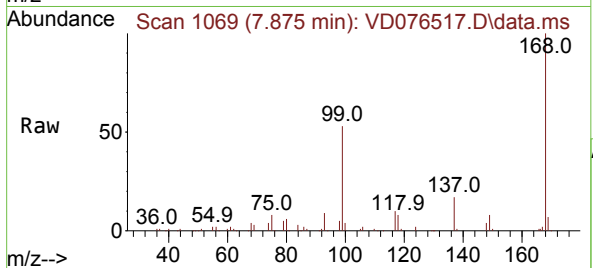
Tgt Ion: 75 Resp: 13229

Ion Ratio Lower Upper

75 100

110 8.3 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.970 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

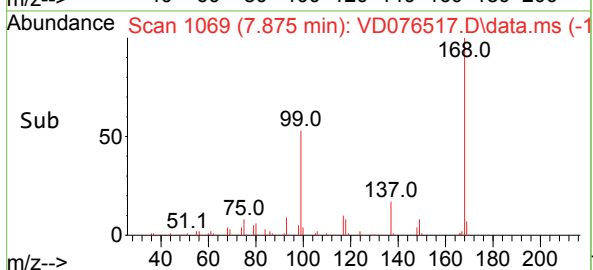
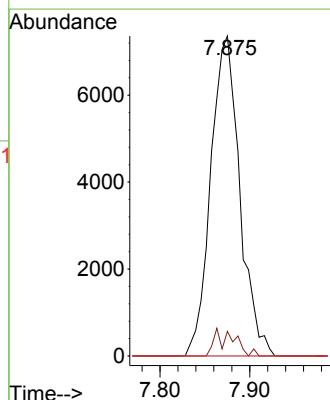
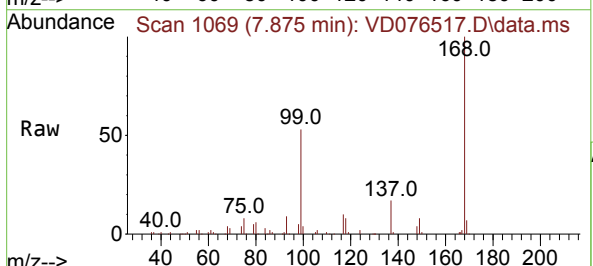
Tgt Ion: 117 Resp: 16523

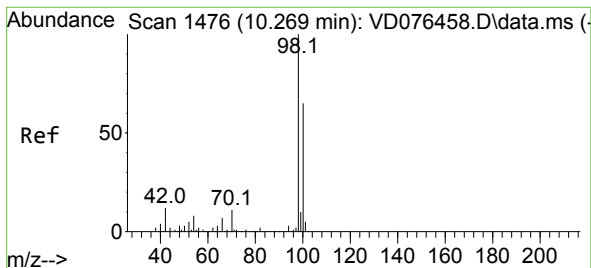
Ion Ratio Lower Upper

117 100

119 7.7 78.0 117.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 53.368 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

Instrument :

MSVOA_D

ClientSampleId :

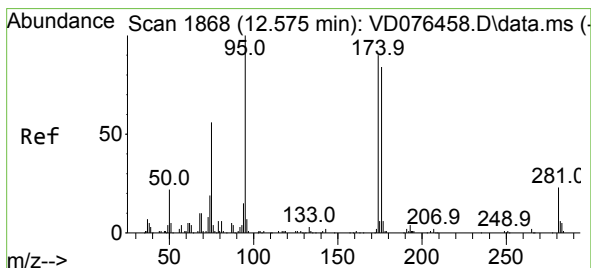
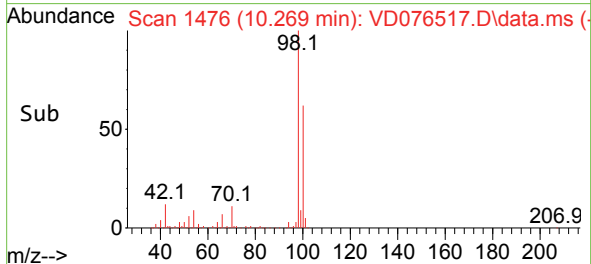
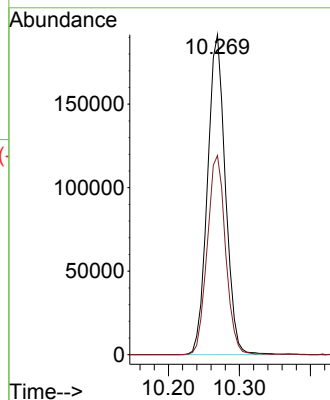
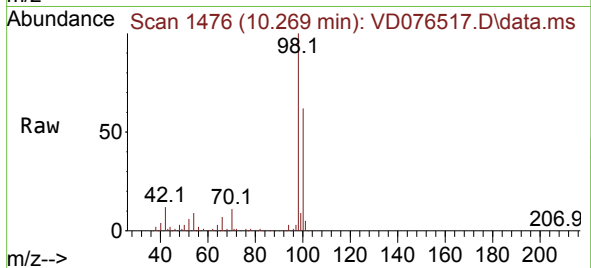
SB-2

Tgt Ion: 98 Resp: 335240

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 49.909 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

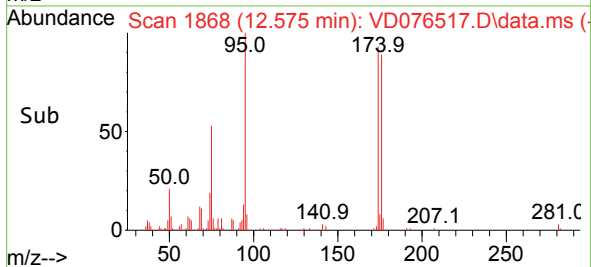
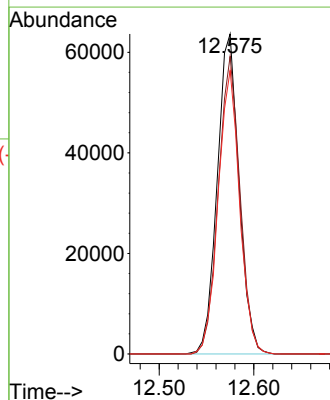
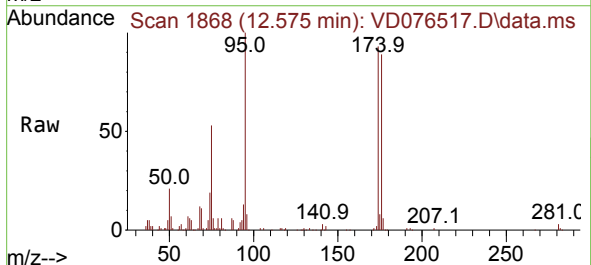
Tgt Ion: 95 Resp: 101749

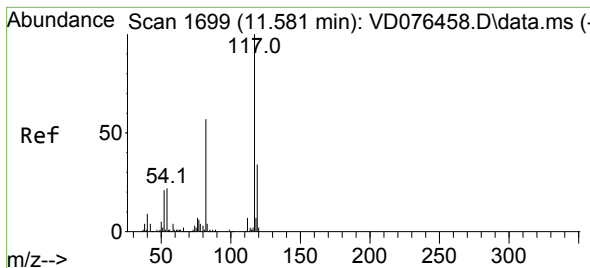
Ion Ratio Lower Upper

95 100

174 92.2 0.0 201.8

176 87.4 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

Instrument :

MSVOA_D

ClientSampleId :

SB-2

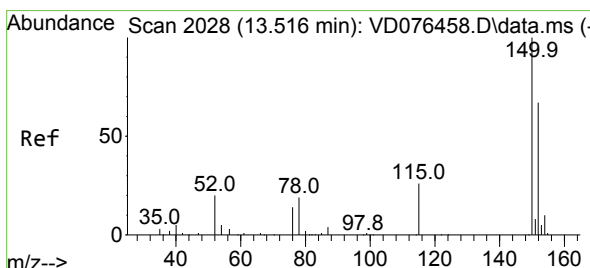
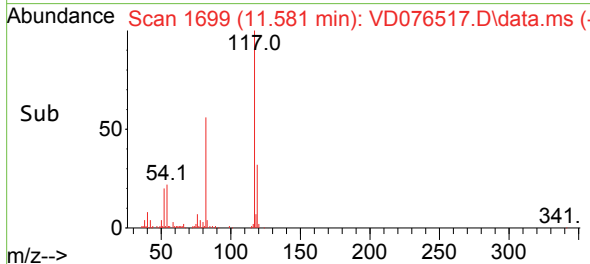
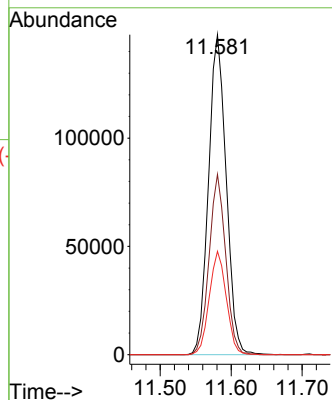
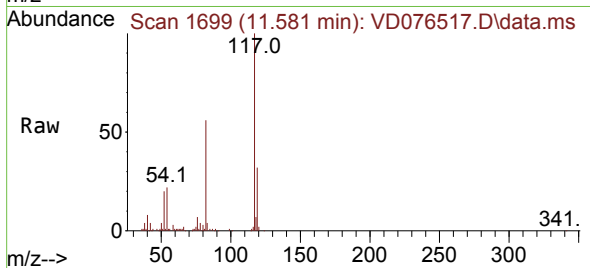
Tgt Ion:117 Resp: 255450

Ion Ratio Lower Upper

117 100

82 56.4 38.3 57.5

119 32.3 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD076517.D

Acq: 21 Jun 2023 17:21

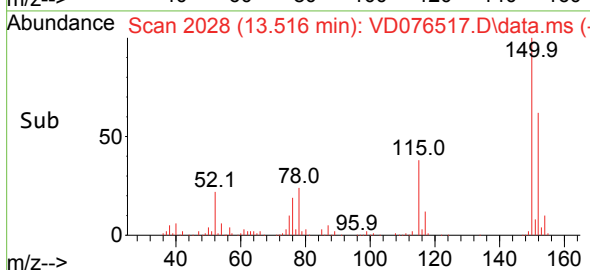
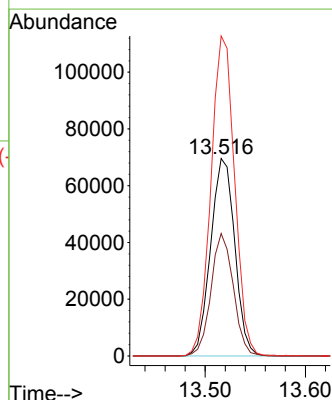
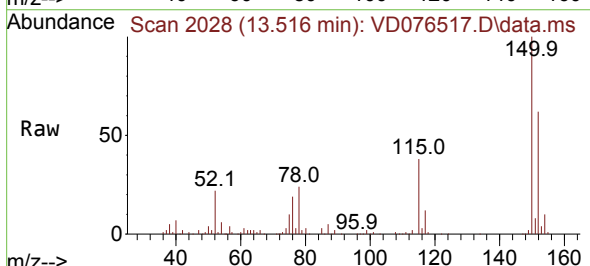
Tgt Ion:152 Resp: 116376

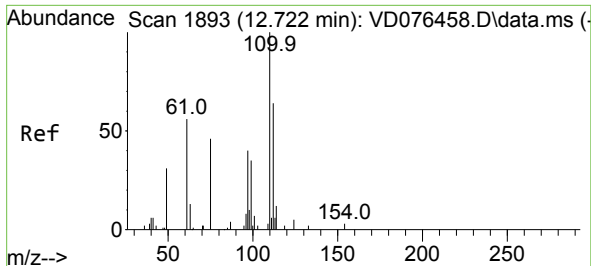
Ion Ratio Lower Upper

152 100

115 57.4 27.1 81.3

150 158.8 0.0 353.6

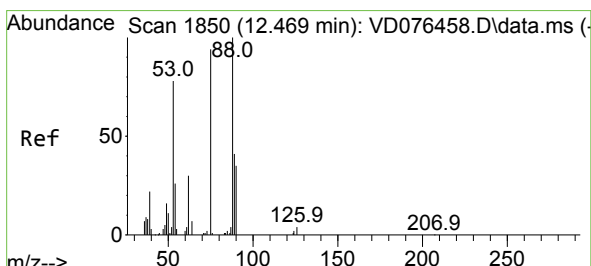
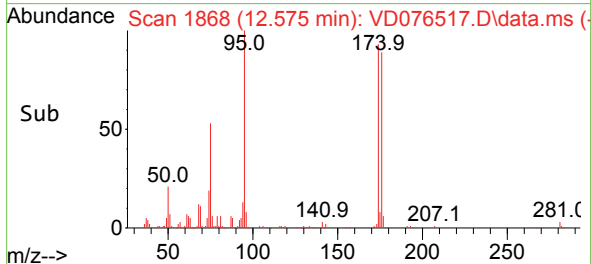
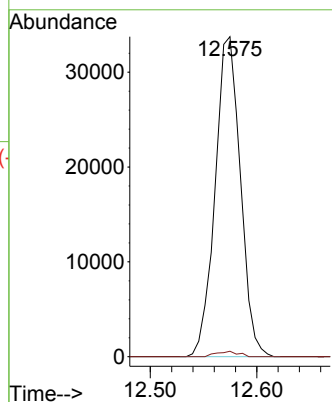
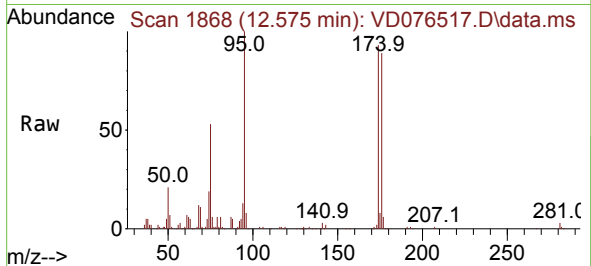




#76
1,2,3-Trichloropropane
Concen: 48.148 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076517.D
Acq: 21 Jun 2023 17:21

Instrument :
MSVOA_D
ClientSampleId :
SB-2

Tgt Ion: 75 Resp: 55611
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.503 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076517.D
Acq: 21 Jun 2023 17:21

Tgt Ion: 75 Resp: 55611
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#

