

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078106.D
 Acq On : 29 Dec 2023 14:15
 Operator : RP/MD
 Sample : 06039-03
 Misc : 7.46G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EC48-EAST

Quant Time: Dec 29 22:35:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

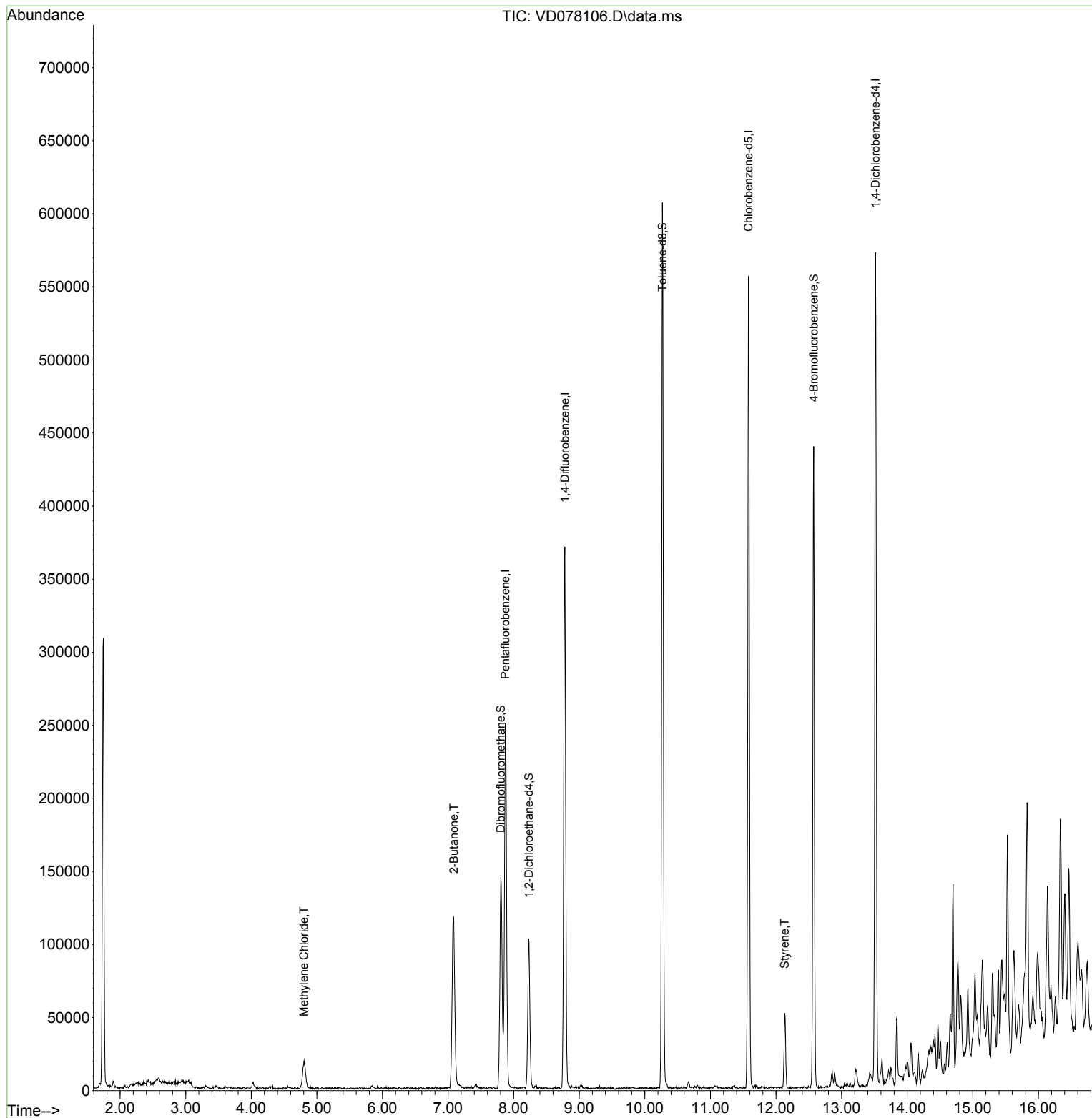
Internal Standards						
1) Pentafluorobenzene	7.875	168	199416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	343920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	330966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	159695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77381	43.611	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.220%
35) Dibromofluoromethane	7.804	113	105616	47.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.460%
50) Toluene-d8	10.269	98	422767	54.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.600%
62) 4-Bromofluorobenzene	12.575	95	127370	50.839	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.680%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	15374	4.152	ug/l #	80
25) 2-Butanone	7.087	43	192941	419.137	ug/l	89
70) Styrene	12.134	104	26552	4.045	ug/l	93

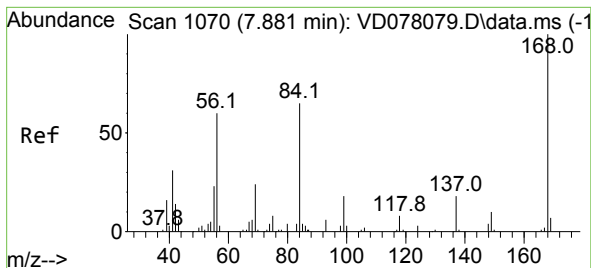
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 27 03:40:16 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.006 min

Lab File: VD078106.D

Acq: 29 Dec 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

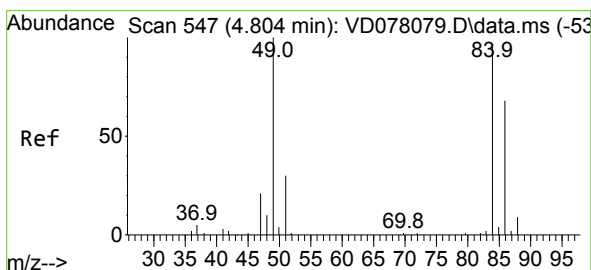
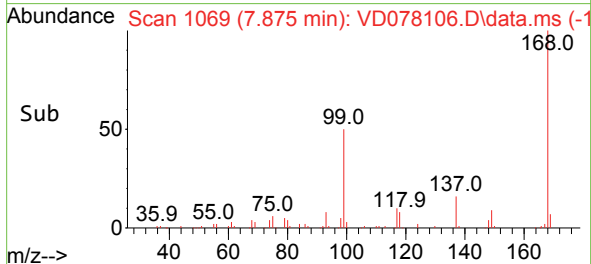
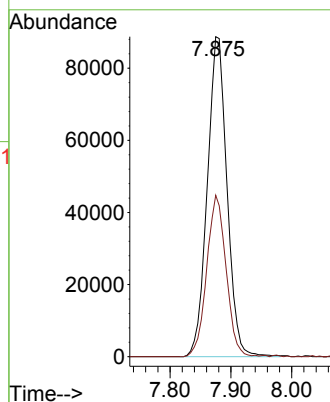
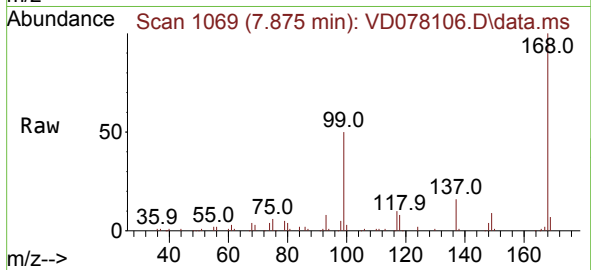
EC48-EAST

Tgt Ion:168 Resp: 199416

Ion Ratio Lower Upper

168 100

99 50.4 36.7 55.1



#20

Methylene Chloride

Concen: 4.152 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.001 min

Lab File: VD078106.D

Acq: 29 Dec 2023 14:15

Tgt Ion: 84 Resp: 15374

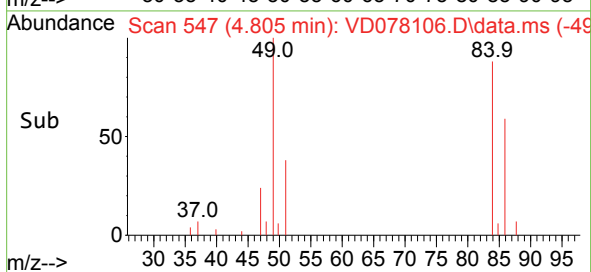
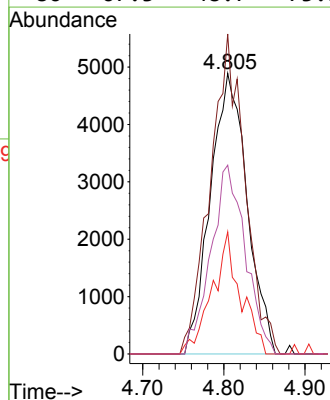
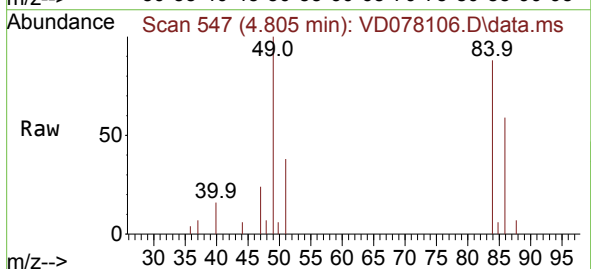
Ion Ratio Lower Upper

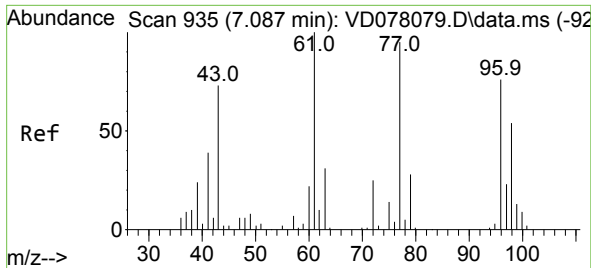
84 100

49 114.0 71.4 107.2#

51 43.5 24.5 36.7#

86 67.3 48.7 73.1





#25

2-Butanone

Concen: 419.137 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD078106.D

Acq: 29 Dec 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

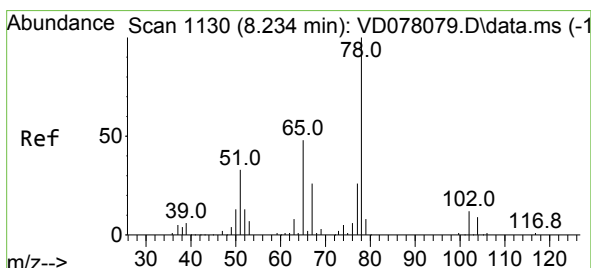
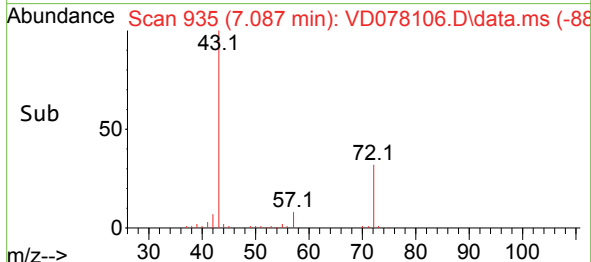
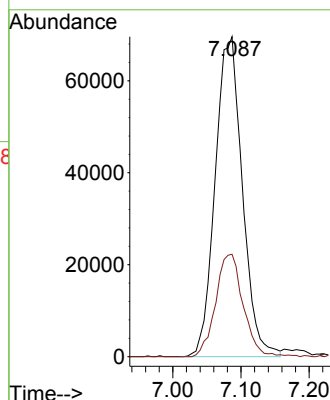
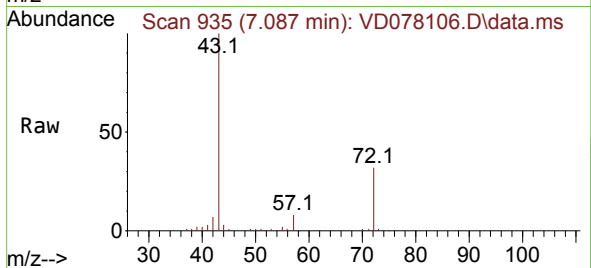
EC48-EAST

Tgt Ion: 43 Resp: 192941

Ion Ratio Lower Upper

43 100

72 32.0 30.7 46.1



#33

1,2-Dichloroethane-d4

Concen: 43.611 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078106.D

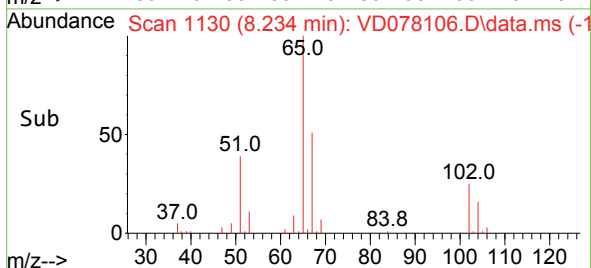
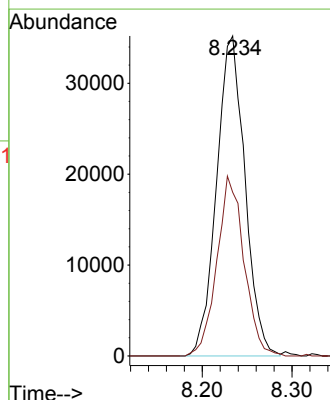
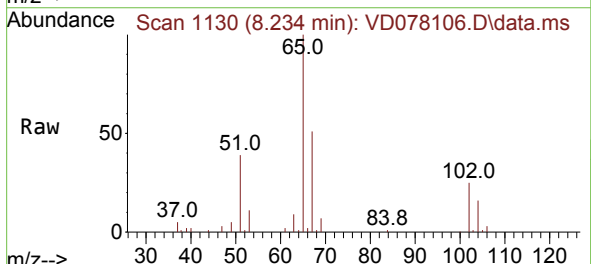
Acq: 29 Dec 2023 14:15

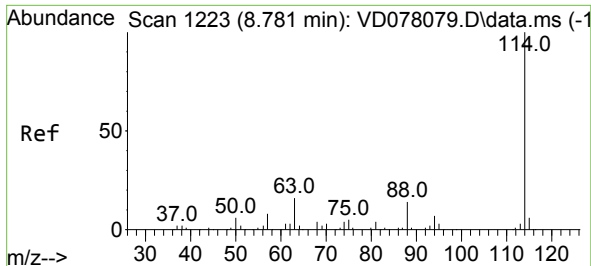
Tgt Ion: 65 Resp: 77381

Ion Ratio Lower Upper

65 100

67 53.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078106.D

Acq: 29 Dec 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

EC48-EAST

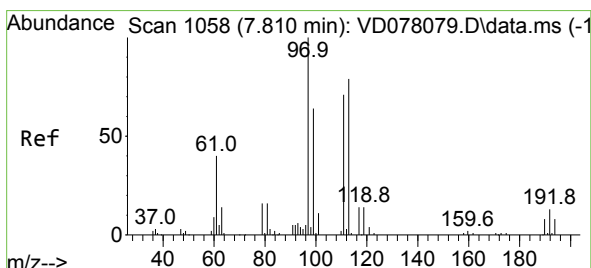
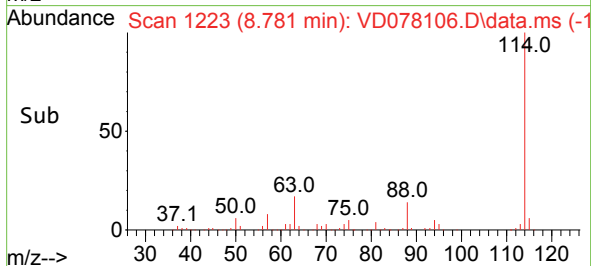
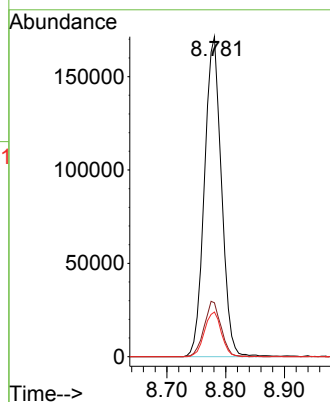
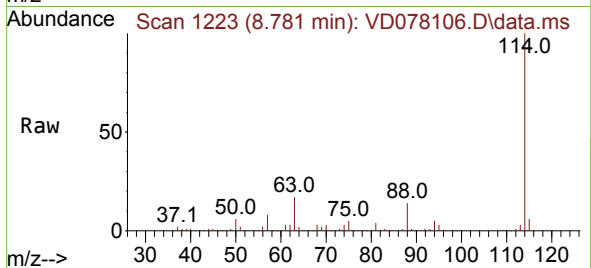
Tgt Ion:114 Resp: 343920

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.728 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078106.D

Acq: 29 Dec 2023 14:15

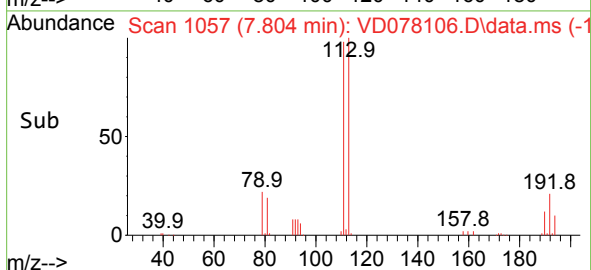
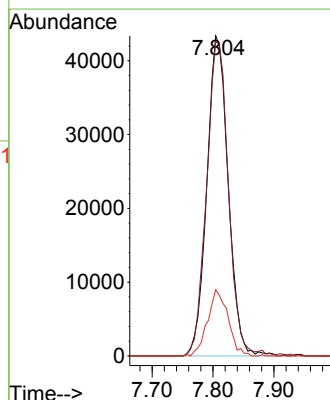
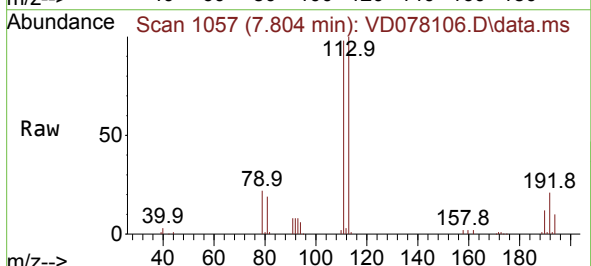
Tgt Ion:113 Resp: 105616

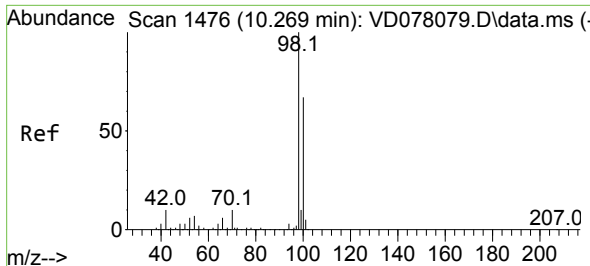
Ion Ratio Lower Upper

113 100

111 100.8 84.7 127.1

192 19.9 16.8 25.2

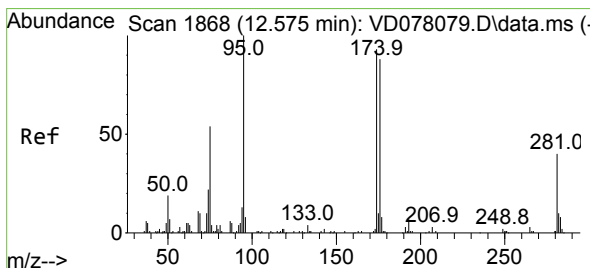
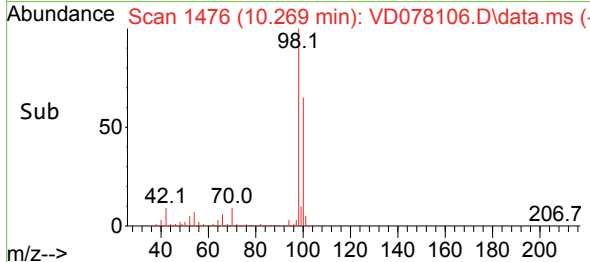
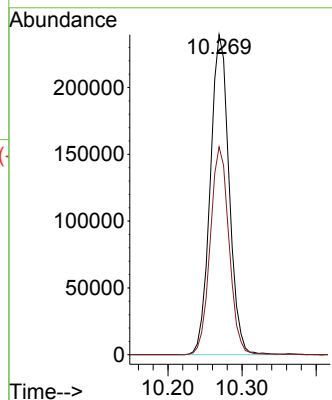
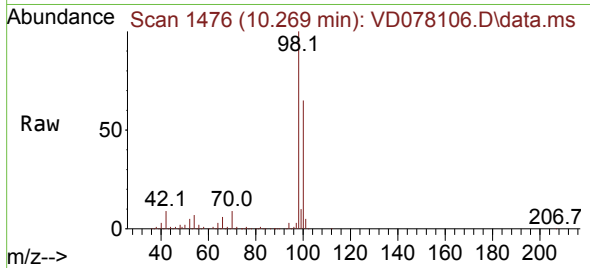




#50
Toluene-d8
Concen: 54.295 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

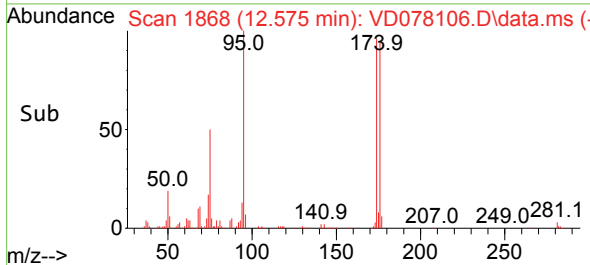
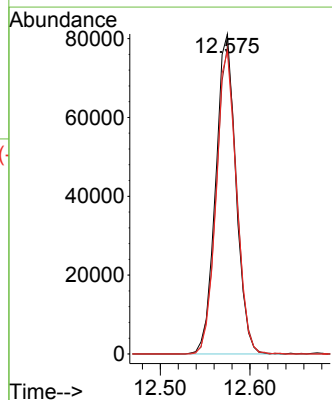
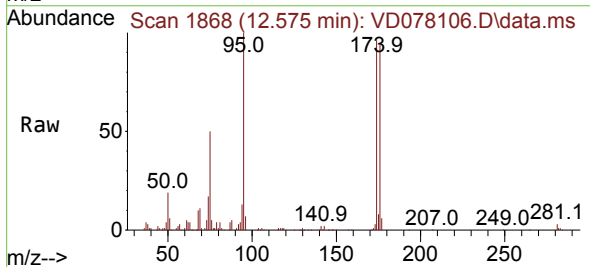
Instrument :
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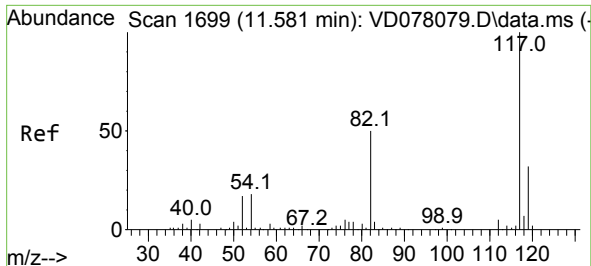
Tgt Ion: 98 Resp: 422767
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 50.839 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Tgt Ion: 95 Resp: 127370
Ion Ratio Lower Upper
95 100
174 96.3 0.0 201.8
176 94.5 0.0 191.8

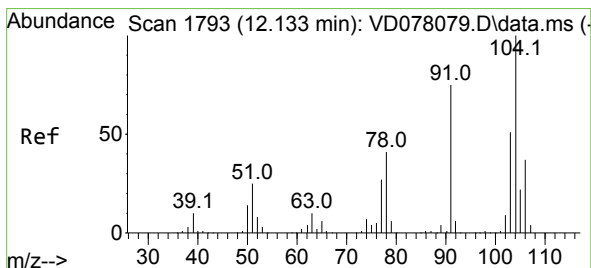
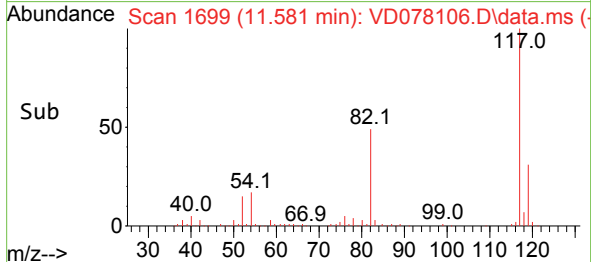
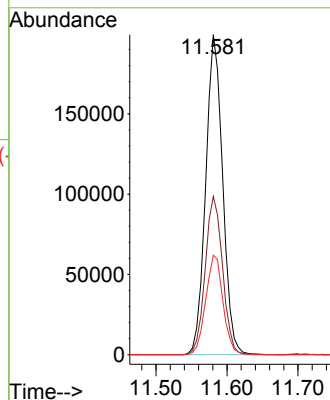
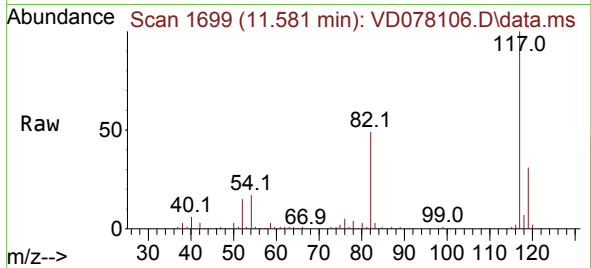




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

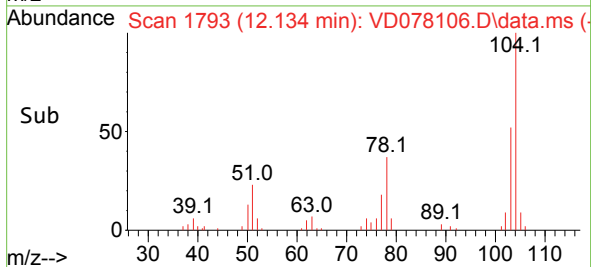
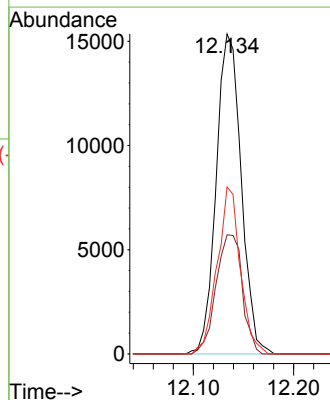
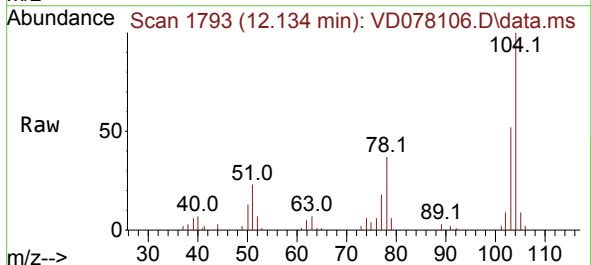
Instrument :
MSVOA_D
ClientSampleId :
EC48-EAST

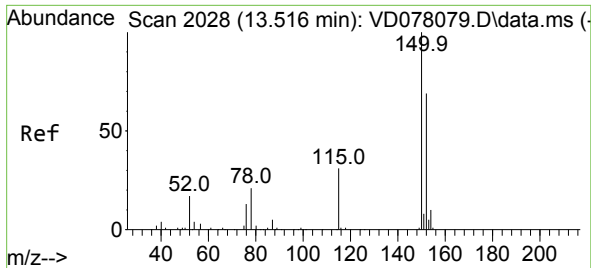
Tgt Ion:117 Resp: 330966
Ion Ratio Lower Upper
117 100
82 49.5 38.3 57.5
119 31.1 25.0 37.4



#70
Styrene
Concen: 4.045 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Tgt Ion:104 Resp: 26552
Ion Ratio Lower Upper
104 100
78 39.1 33.2 49.8
103 48.3 43.6 65.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078106.D

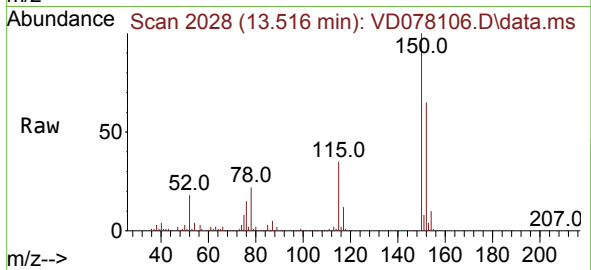
Acq: 29 Dec 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

EC48-EAST



Tgt Ion:152 Resp: 159695

Ion Ratio Lower Upper

152 100

115 53.9 27.1 81.3

150 154.1 0.0 353.6

