

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078112.D
 Acq On : 29 Dec 2023 17:00
 Operator : RP/MD
 Sample : 06039-02
 Misc : 6.99G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EC48-SOUTH

Quant Time: Dec 29 22:37:37 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)

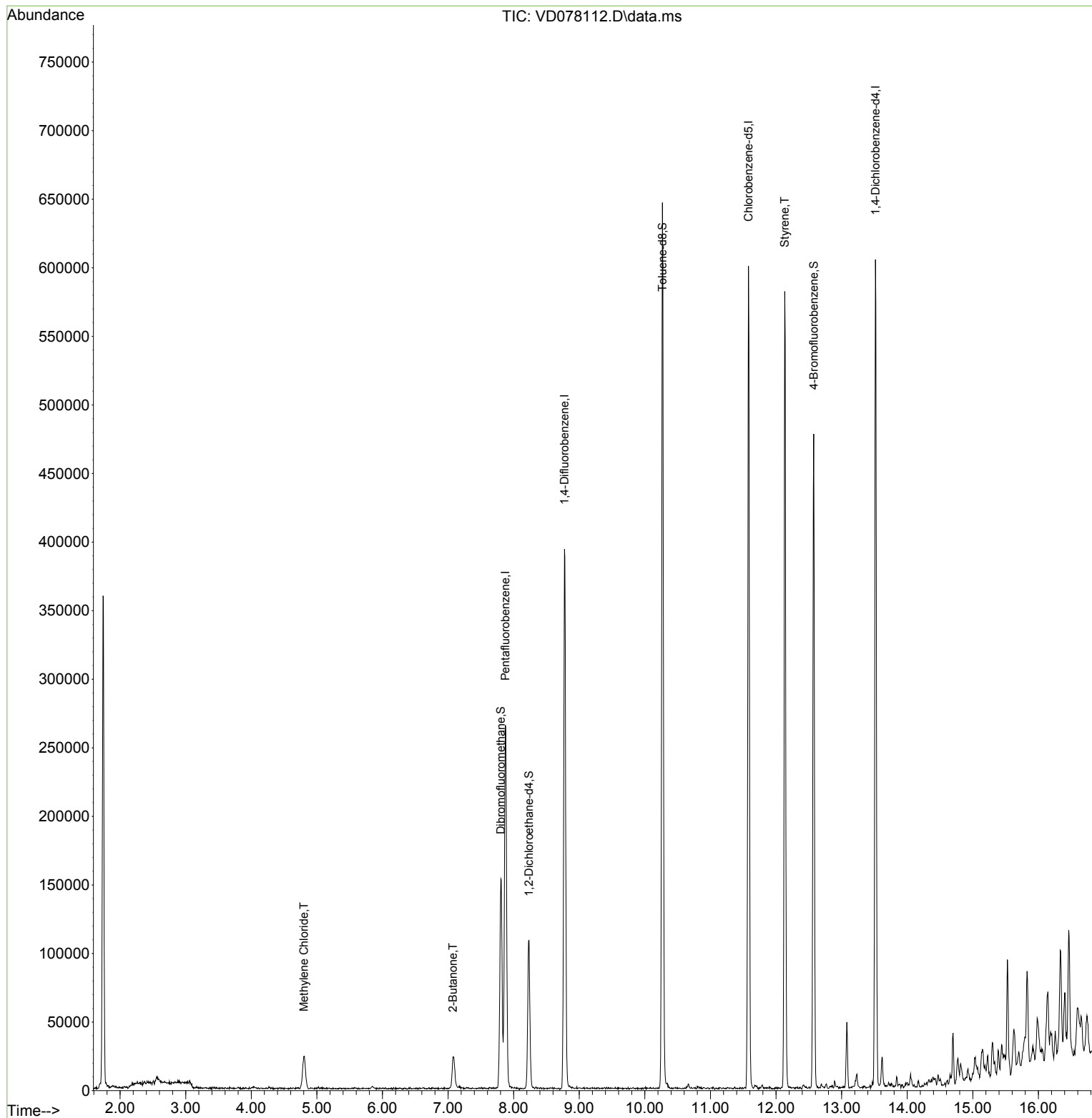
Internal Standards						
1) Pentafluorobenzene	7.875	168	219863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	369445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	358374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	171868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	85785	43.851	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.700%
35) Dibromofluoromethane	7.804	113	113519	47.755	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.500%
50) Toluene-d8	10.269	98	453156	54.177	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.360%
62) 4-Bromofluorobenzene	12.575	95	142209	52.840	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.680%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	19498	5.287	ug/l #	88
25) 2-Butanone	7.075	43	38687	65.436	ug/l	90
70) Styrene	12.134	104	300906	42.331	ug/l	93

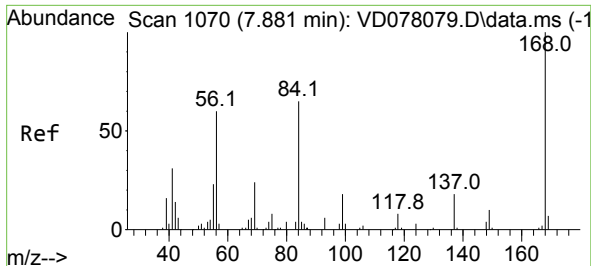
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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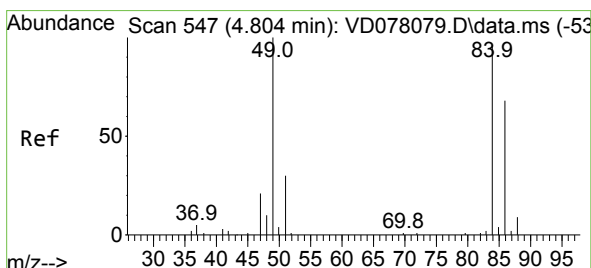
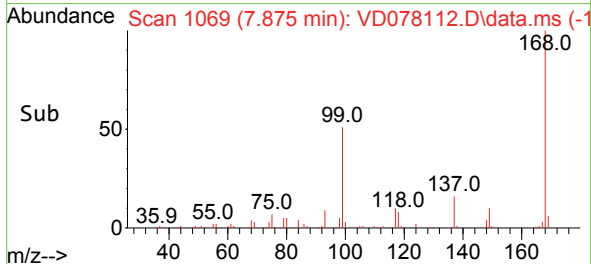
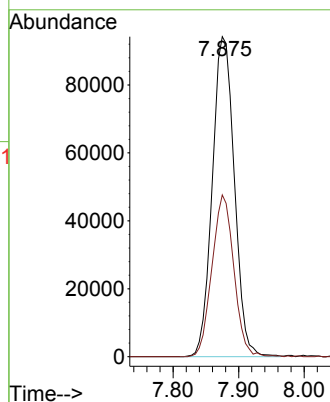
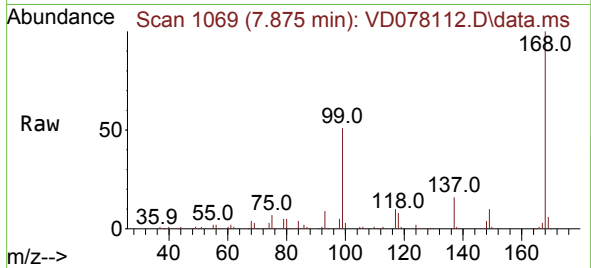




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078112.D
Acq: 29 Dec 2023 17:00

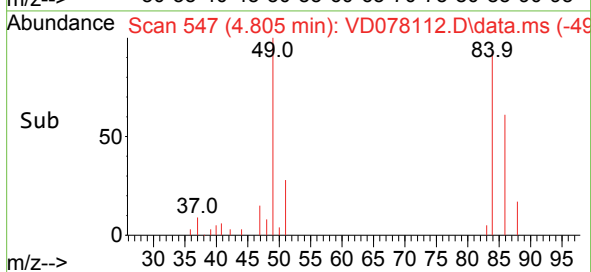
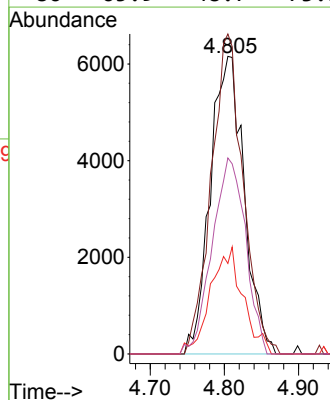
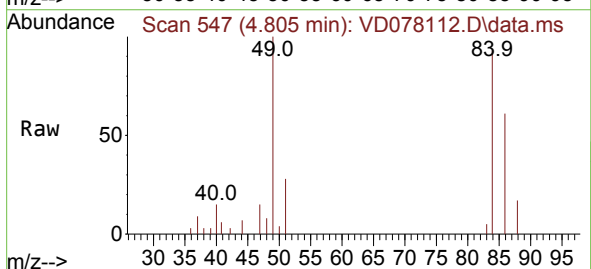
Instrument :
MSVOA_D
ClientSampleId :
EC48-SOUTH

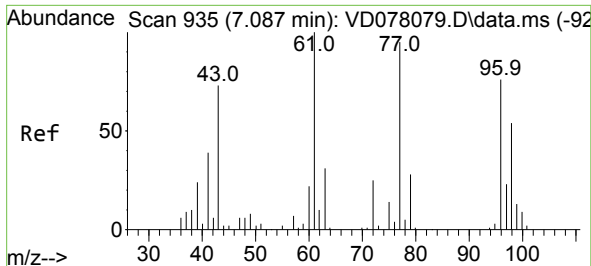
Tgt Ion:168 Resp: 219863
Ion Ratio Lower Upper
168 100
99 50.6 36.7 55.1



#20
Methylene Chloride
Concen: 5.287 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.001 min
Lab File: VD078112.D
Acq: 29 Dec 2023 17:00

Tgt Ion: 84 Resp: 19498
Ion Ratio Lower Upper
84 100
49 107.5 71.4 107.2#
51 30.4 24.5 36.7
86 65.9 48.7 73.1





#25

2-Butanone

Concen: 65.436 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD078112.D

Acq: 29 Dec 2023 17:00

Instrument :

MSVOA_D

ClientSampleId :

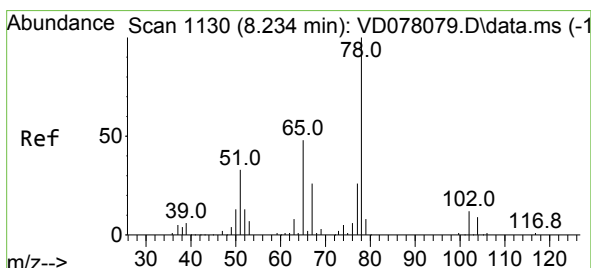
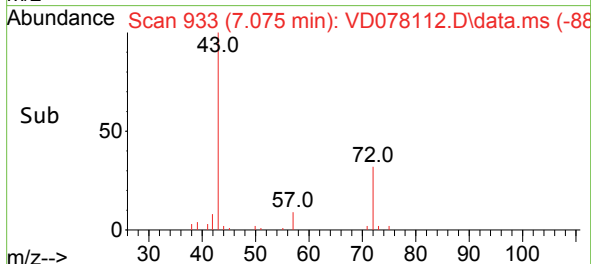
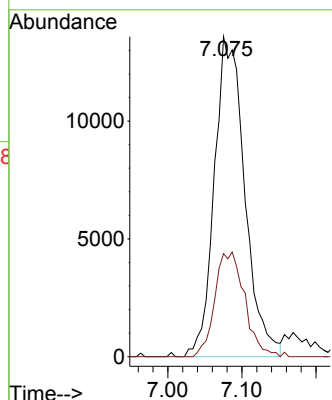
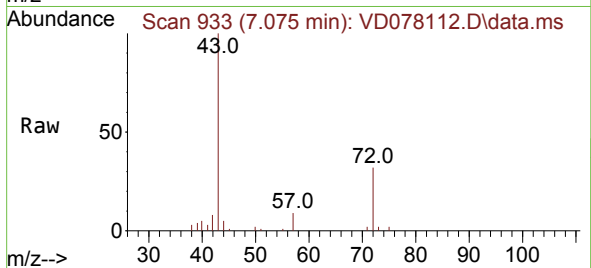
EC48-SOUTH

Tgt Ion: 43 Resp: 38687

Ion Ratio Lower Upper

43 100

72 32.2 30.7 46.1



#33

1,2-Dichloroethane-d4

Concen: 43.851 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078112.D

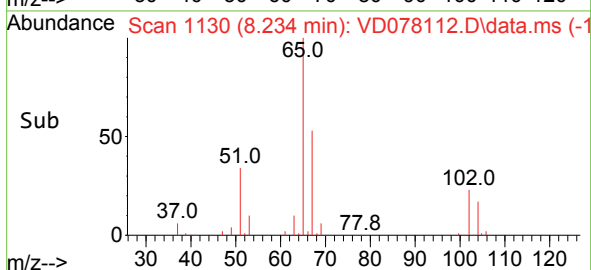
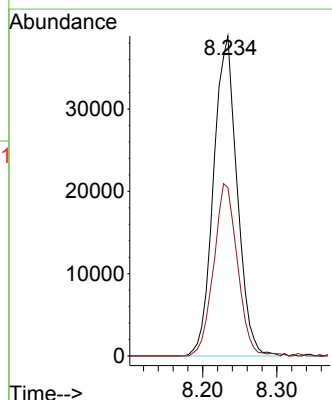
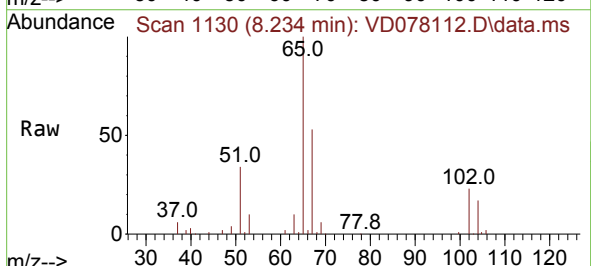
Acq: 29 Dec 2023 17:00

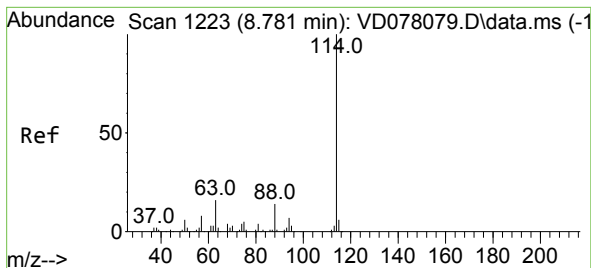
Tgt Ion: 65 Resp: 85785

Ion Ratio Lower Upper

65 100

67 54.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078112.D

Acq: 29 Dec 2023 17:00

Instrument :

MSVOA_D

ClientSampleId :

EC48-SOUTH

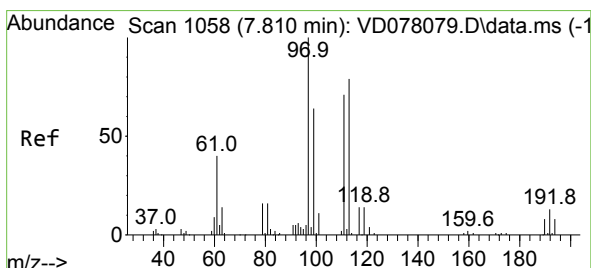
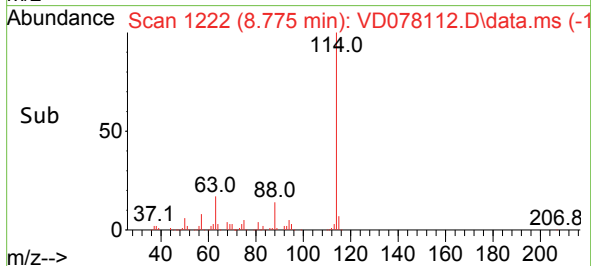
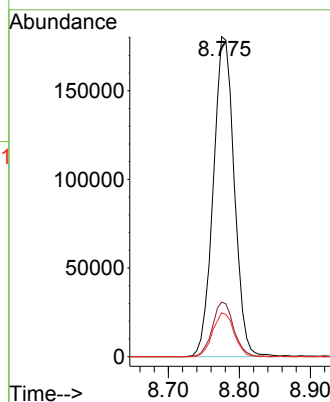
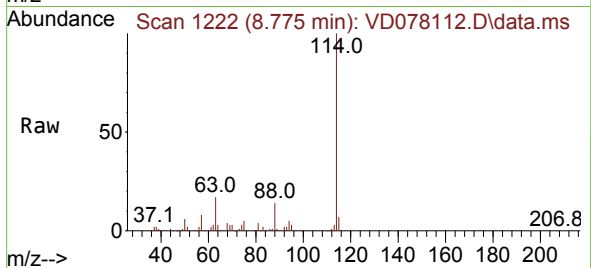
Tgt Ion:114 Resp: 369445

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.755 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078112.D

Acq: 29 Dec 2023 17:00

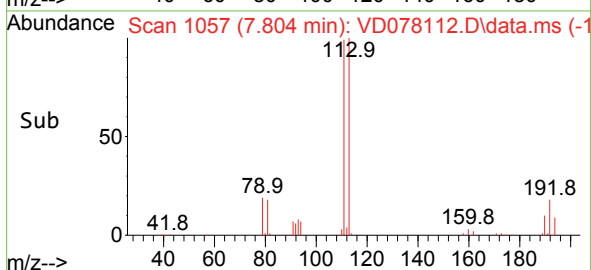
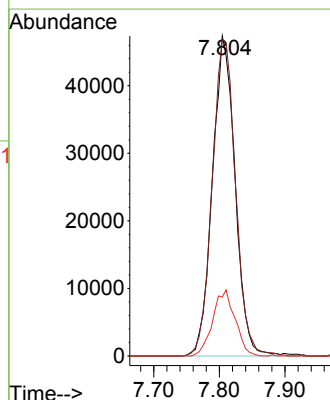
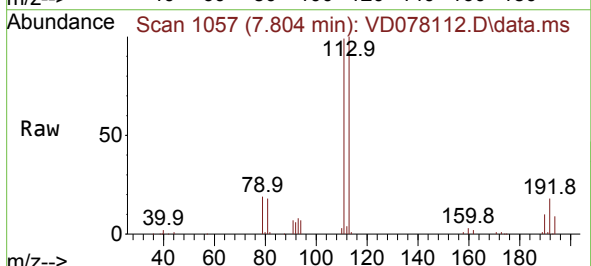
Tgt Ion:113 Resp: 113519

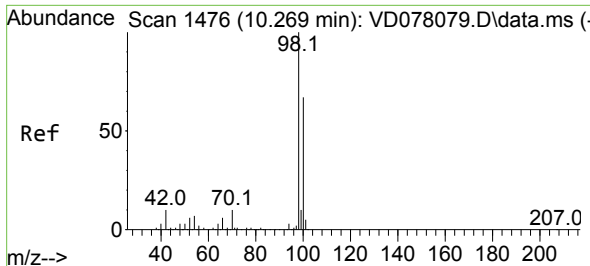
Ion Ratio Lower Upper

113 100

111 101.7 84.7 127.1

192 20.4 16.8 25.2

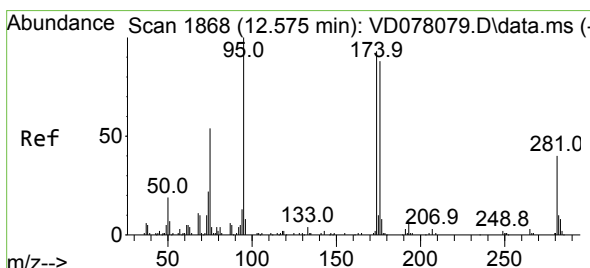
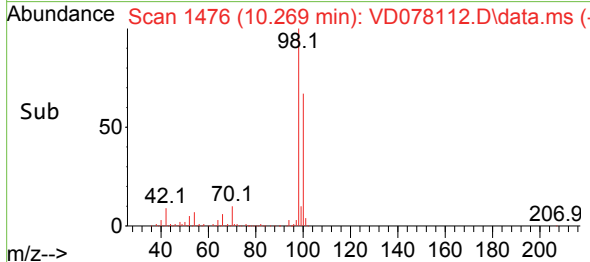
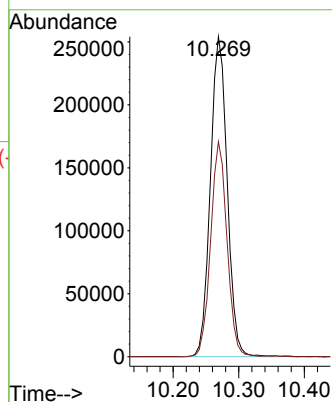
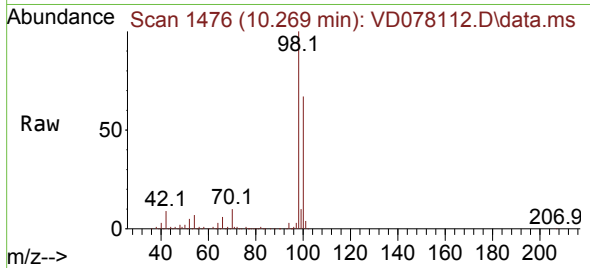




#50
Toluene-d8
Concen: 54.177 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078112.D
Acq: 29 Dec 2023 17:00

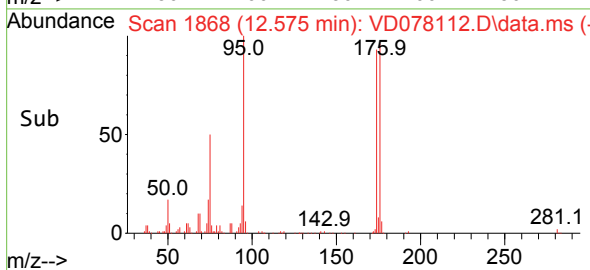
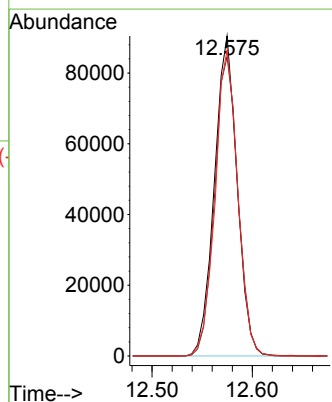
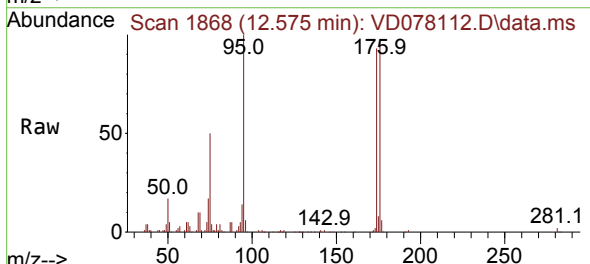
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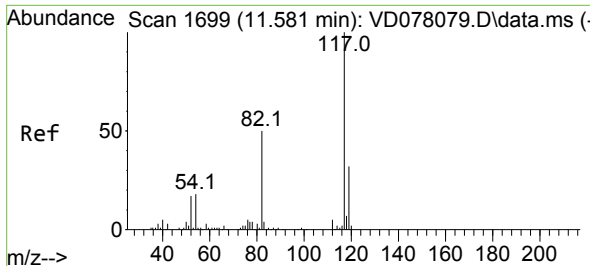
Tgt Ion: 98 Resp: 453156
Ion Ratio Lower Upper
98 100
100 65.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 52.840 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078112.D
Acq: 29 Dec 2023 17:00

Tgt Ion: 95 Resp: 142209
Ion Ratio Lower Upper
95 100
174 96.0 0.0 201.8
176 95.2 0.0 191.8

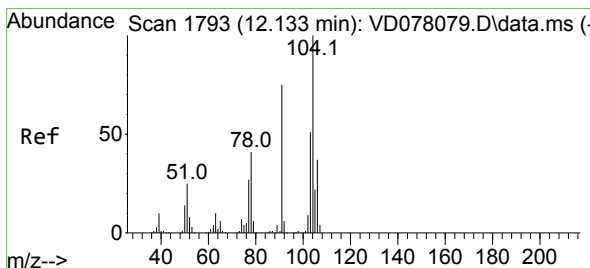
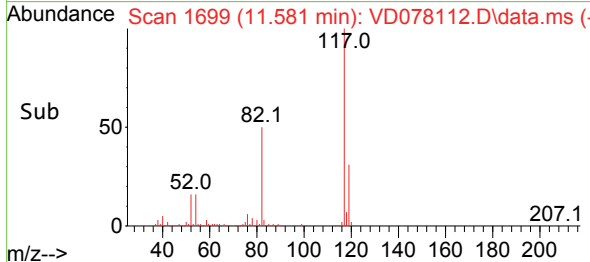
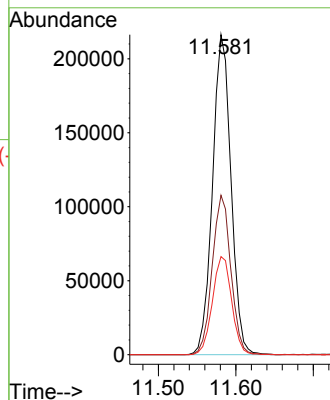
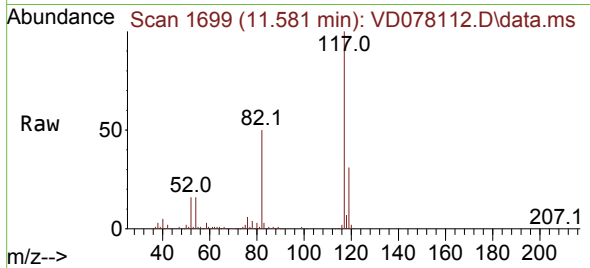




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078112.D
Acq: 29 Dec 2023 17:00

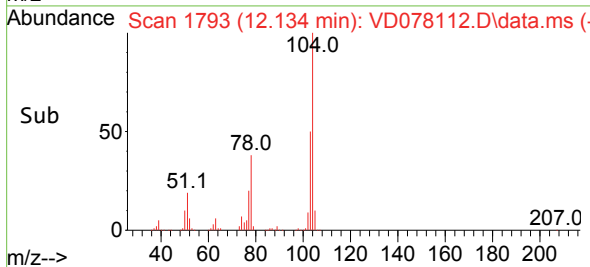
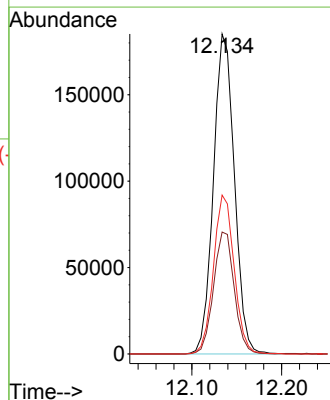
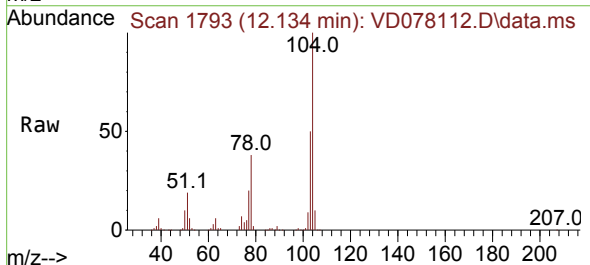
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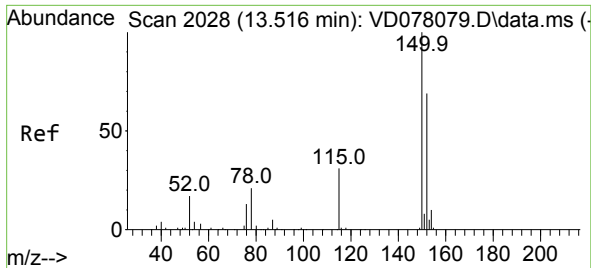
Tgt Ion:117 Resp: 358374
Ion Ratio Lower Upper
117 100
82 49.8 38.3 57.5
119 30.6 25.0 37.4



#70
Styrene
Concen: 42.331 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078112.D
Acq: 29 Dec 2023 17:00

Tgt Ion:104 Resp: 300906
Ion Ratio Lower Upper
104 100
78 37.6 33.2 49.8
103 49.0 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: VD078112.D

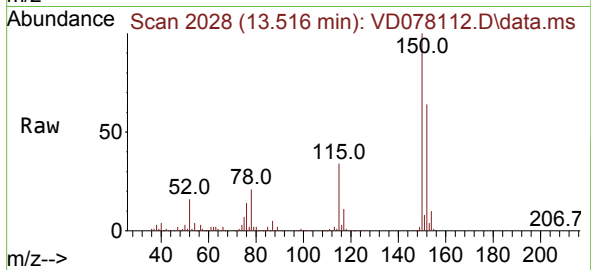
Acq: 29 Dec 2023 17:00

Instrument :

MSVOA_D

ClientSampleId :

EC48-SOUTH



Tgt Ion:152 Resp: 171868

Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.3

150 156.8 0.0 353.6

