

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078108.D
 Acq On : 29 Dec 2023 15:10
 Operator : RP/MD
 Sample : 06039-05
 Misc : 5.51G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EC48-BOTTOM

Quant Time: Dec 29 22:35:55 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)

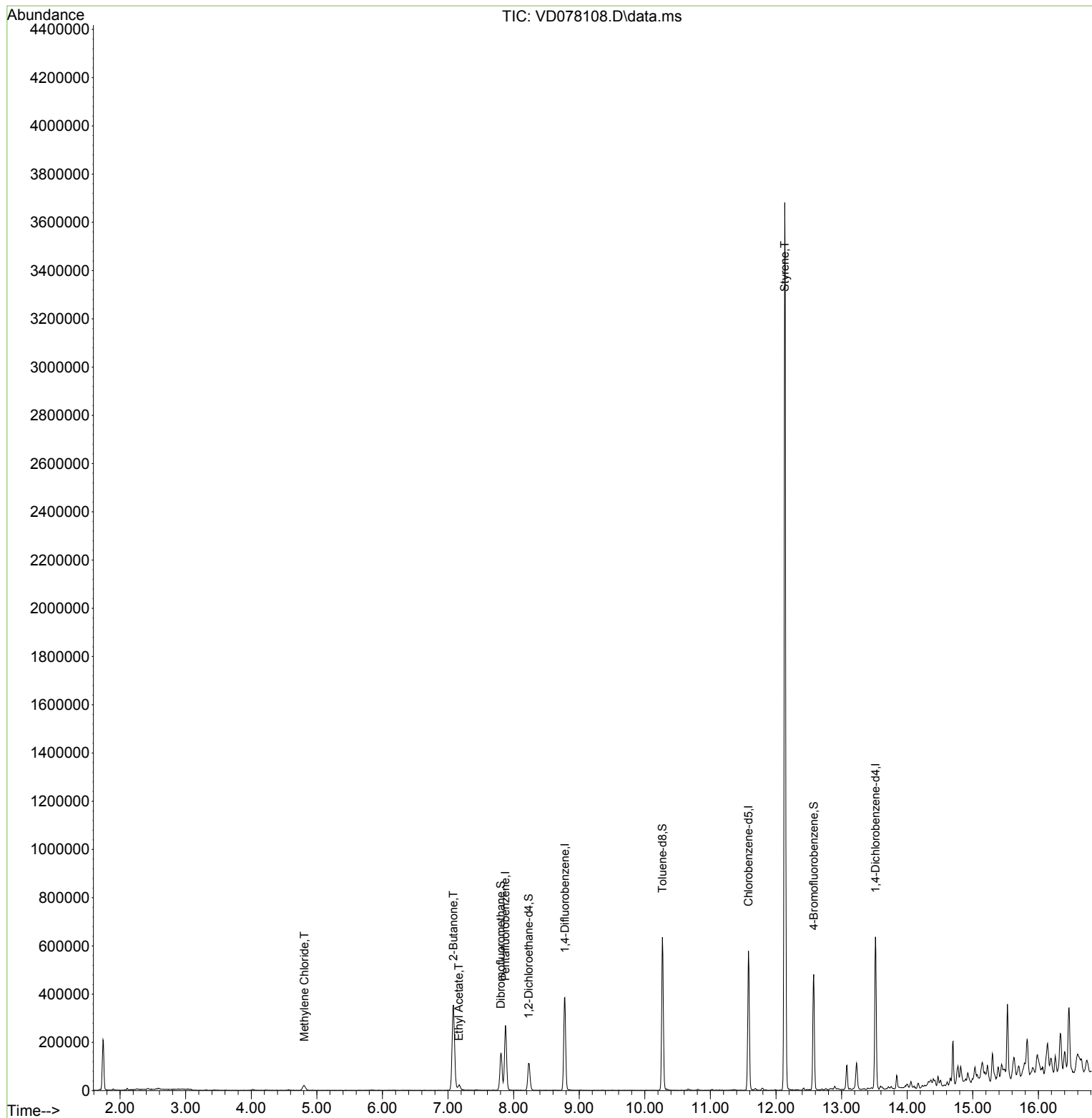
Internal Standards						
1) Pentafluorobenzene	7.875	168	215718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	369488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	348408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	174016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	87951	45.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.640%
35) Dibromofluoromethane	7.805	113	110883	46.640	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.280%
50) Toluene-d8	10.269	98	443935	53.068	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.140%
62) 4-Bromofluorobenzene	12.575	95	144336	53.624	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.240%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.811	84	16339	4.020	ug/l	93
25) 2-Butanone	7.081	43	557207	1140.998	ug/l	94
37) Ethyl Acetate	7.164	43	33147	29.794	ug/l	95
70) Styrene	12.134	104	1859850	269.125	ug/l	93

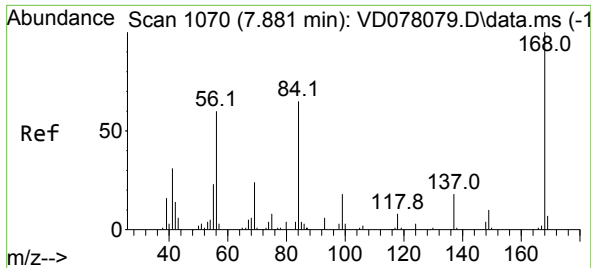
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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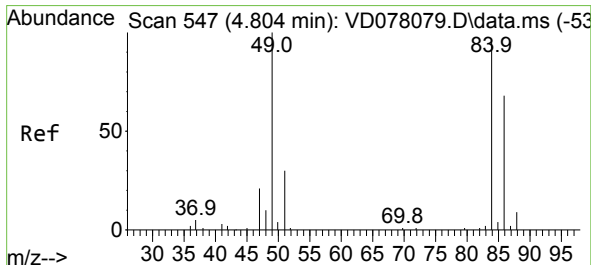
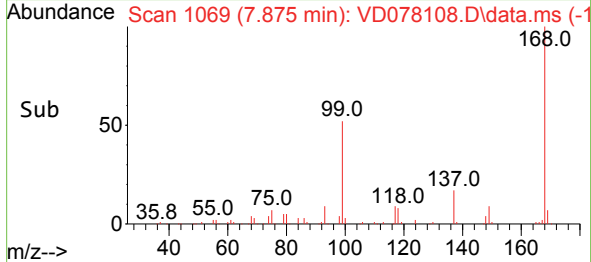
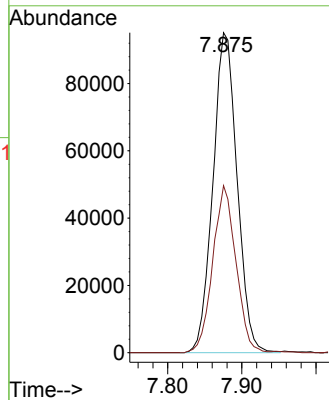
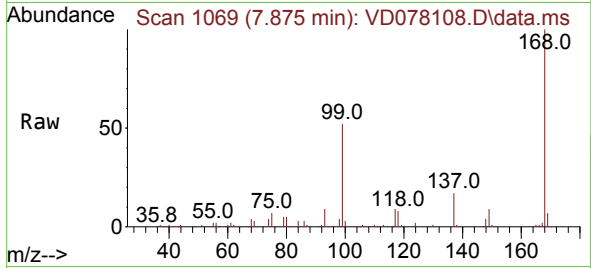




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078108.D
Acq: 29 Dec 2023 15:10

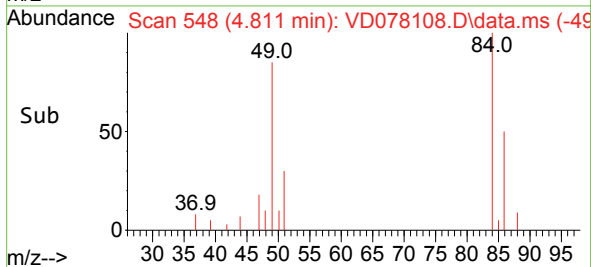
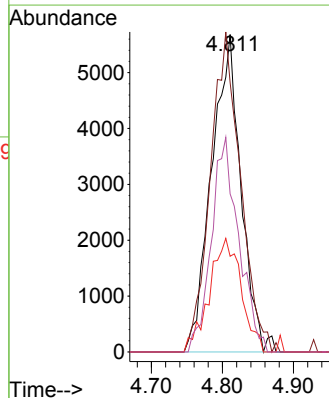
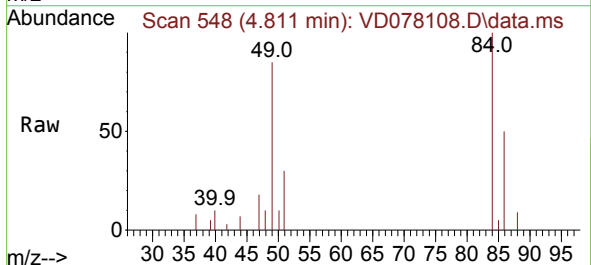
Instrument :
MSVOA_D
ClientSampleId :
EC48-BOTTOM

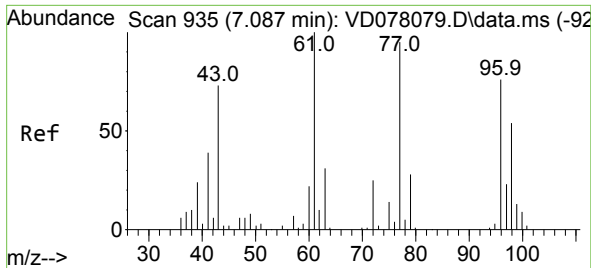
Tgt Ion:168 Resp: 215718
Ion Ratio Lower Upper
168 100
99 52.2 36.7 55.1



#20
Methylene Chloride
Concen: 4.020 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.007 min
Lab File: VD078108.D
Acq: 29 Dec 2023 15:10

Tgt Ion: 84 Resp: 16339
Ion Ratio Lower Upper
84 100
49 84.9 71.4 107.2
51 30.1 24.5 36.7
86 49.8 48.7 73.1

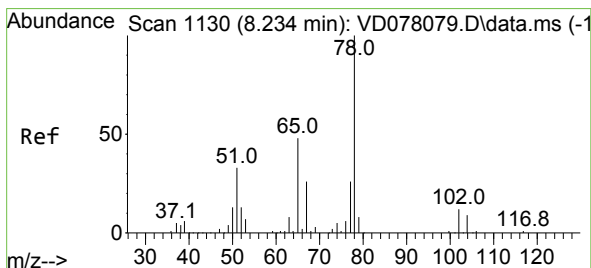
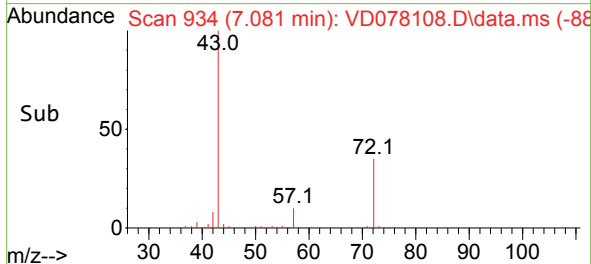
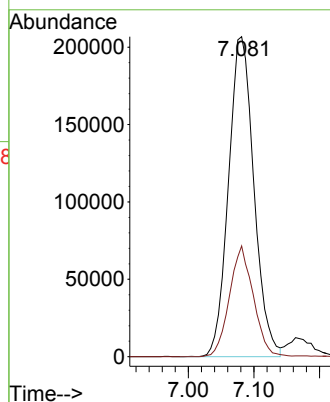
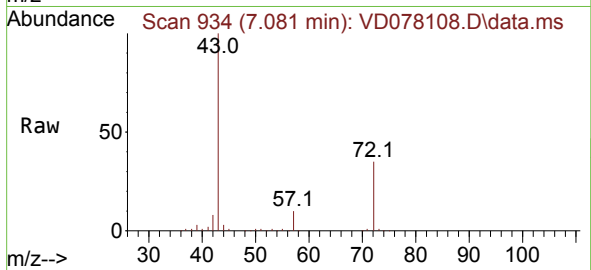




#25
2-Butanone
Concen: 1140.998 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078108.D
Acq: 29 Dec 2023 15:10

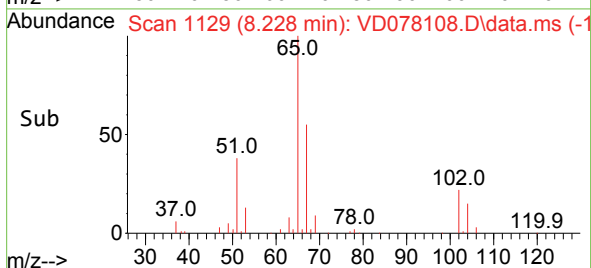
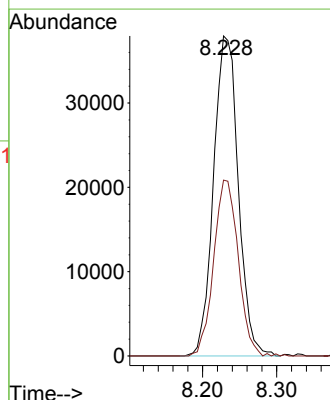
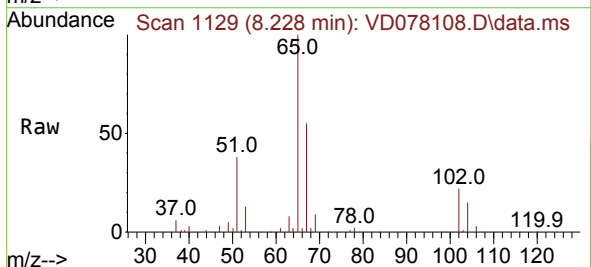
Instrument :
MSVOA_D
ClientSampleId :
EC48-BOTTOM

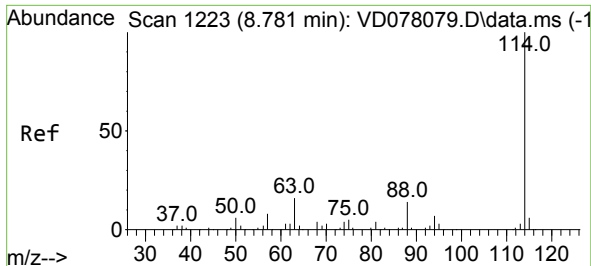
Tgt Ion: 43 Resp: 557207
Ion Ratio Lower Upper
43 100
72 34.6 30.7 46.1



#33
1,2-Dichloroethane-d4
Concen: 45.822 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.005 min
Lab File: VD078108.D
Acq: 29 Dec 2023 15:10

Tgt Ion: 65 Resp: 87951
Ion Ratio Lower Upper
65 100
67 54.5 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: VD078108.D

Acq: 29 Dec 2023 15:10

Instrument :

MSVOA_D

ClientSampleId :

EC48-BOTTOM

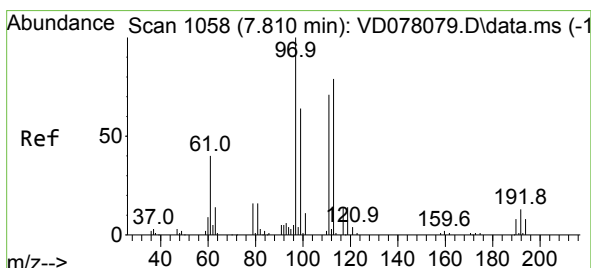
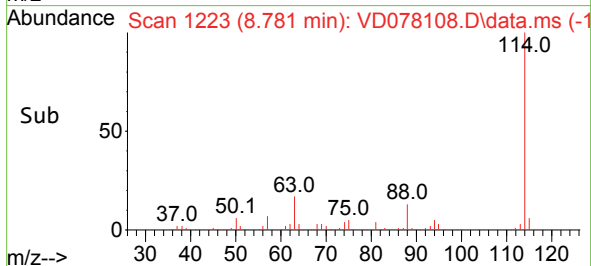
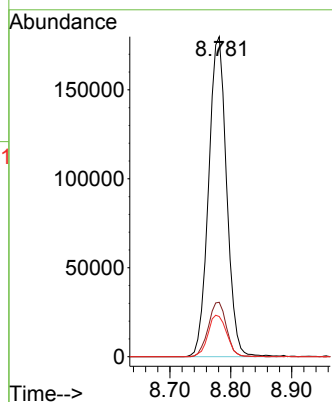
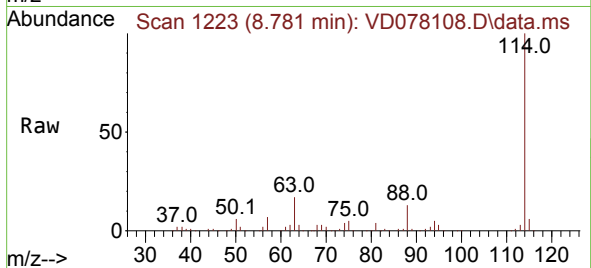
Tgt Ion:114 Resp: 369488

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.4

88 12.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.640 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD078108.D

Acq: 29 Dec 2023 15:10

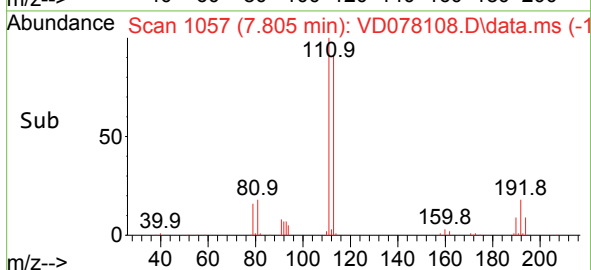
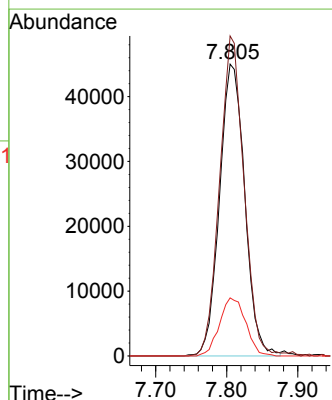
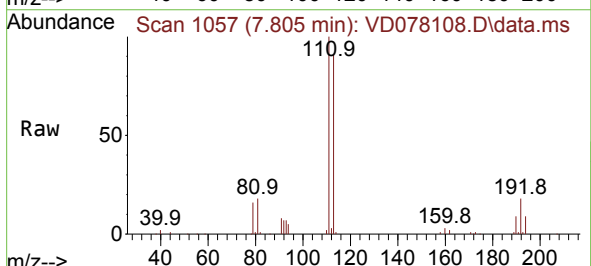
Tgt Ion:113 Resp: 110883

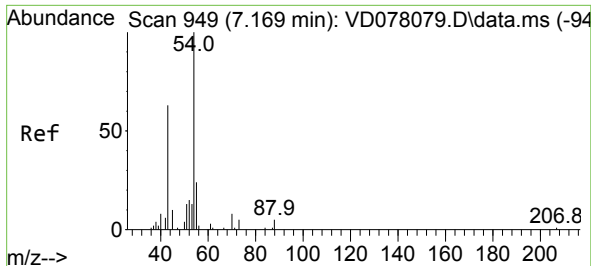
Ion Ratio Lower Upper

113 100

111 105.7 84.7 127.1

192 20.7 16.8 25.2





#37

Ethyl Acetate

Concen: 29.794 ug/l

RT: 7.164 min Scan# 94

Delta R.T. -0.005 min

Lab File: VD078108.D

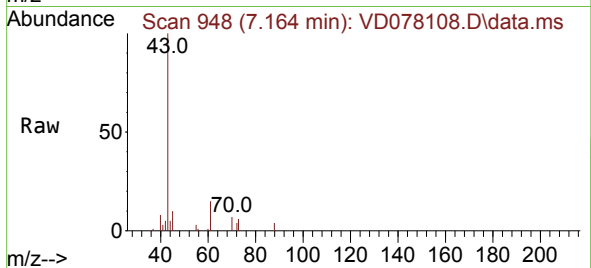
Acq: 29 Dec 2023 15:10

Instrument :

MSVOA_D

ClientSampleId :

EC48-BOTTOM



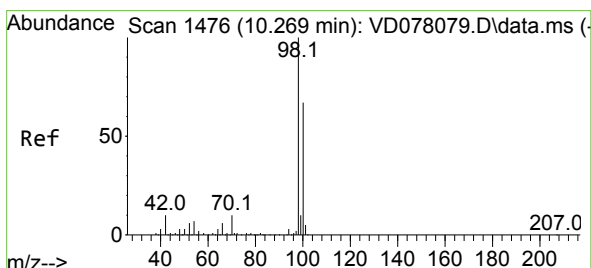
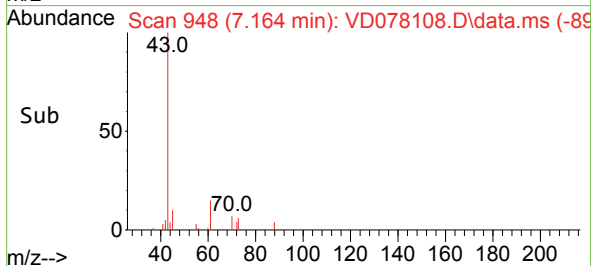
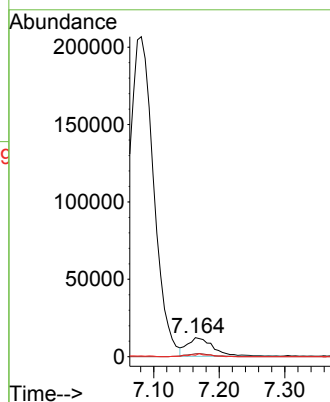
Tgt Ion: 43 Resp: 33147

Ion Ratio Lower Upper

43 100

61 15.8 14.9 22.3

70 11.3 10.0 15.0



#50

Toluene-d8

Concen: 53.068 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078108.D

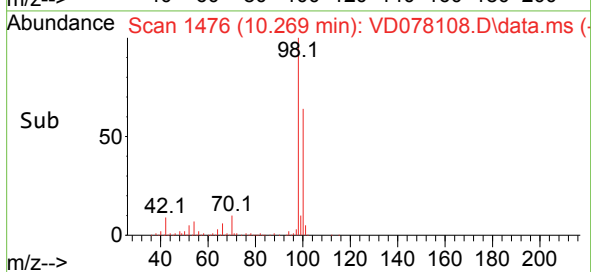
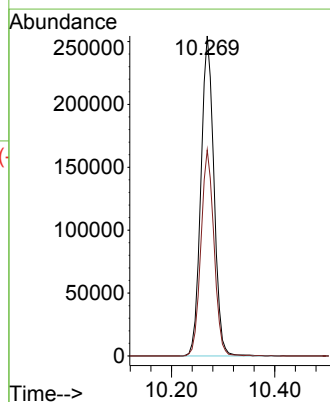
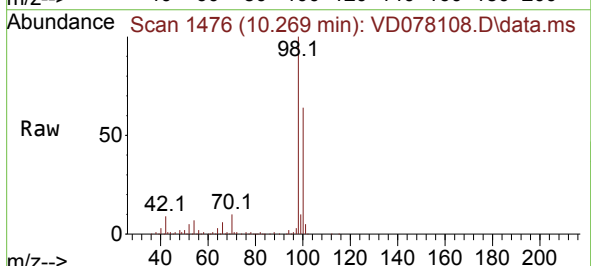
Acq: 29 Dec 2023 15:10

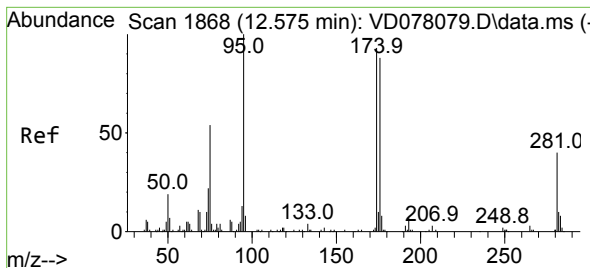
Tgt Ion: 98 Resp: 443935

Ion Ratio Lower Upper

98 100

100 64.7 50.3 75.5

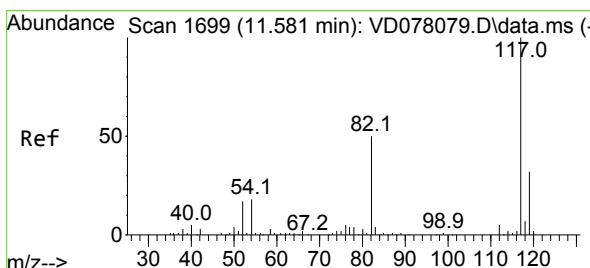
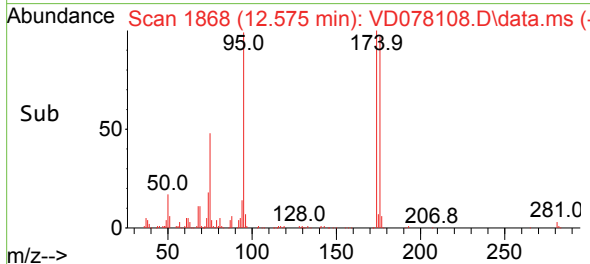
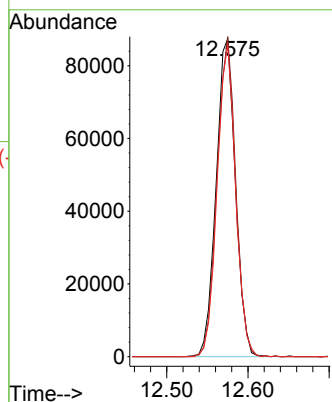
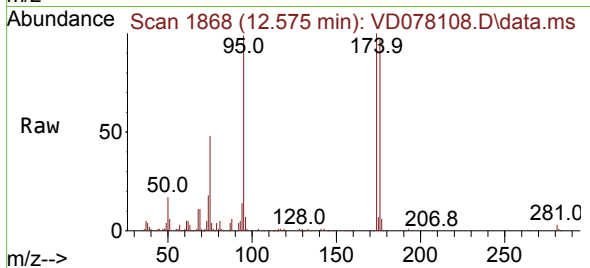




#62
4-Bromofluorobenzene
Concen: 53.624 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078108.D
Acq: 29 Dec 2023 15:10

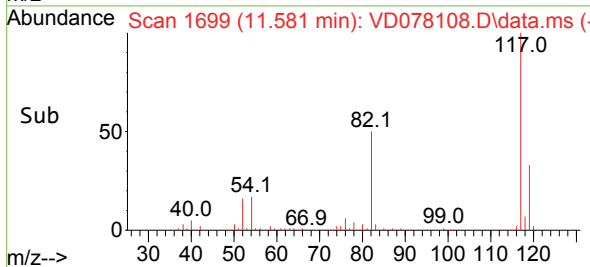
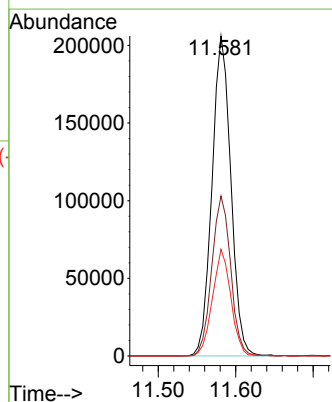
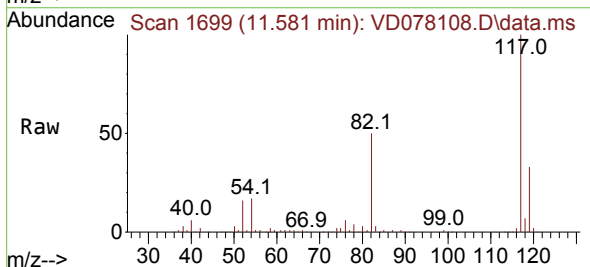
Instrument :
MSVOA_D
ClientSampleId :
EC48-BOTTOM

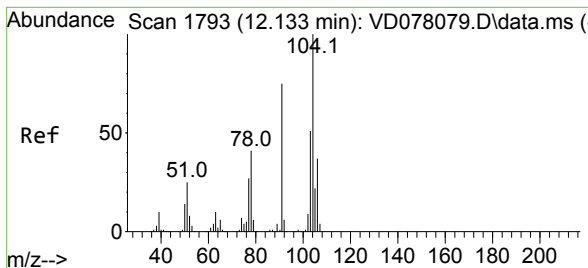
Tgt Ion: 95 Resp: 144336
Ion Ratio Lower Upper
95 100
174 97.6 0.0 201.8
176 93.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078108.D
Acq: 29 Dec 2023 15:10

Tgt Ion: 117 Resp: 348408
Ion Ratio Lower Upper
117 100
82 49.9 38.3 57.5
119 33.4 25.0 37.4





#70

Styrene

Concen: 269.125 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD078108.D

Acq: 29 Dec 2023 15:10

Instrument :

MSVOA_D

ClientSampleId :

EC48-BOTTOM

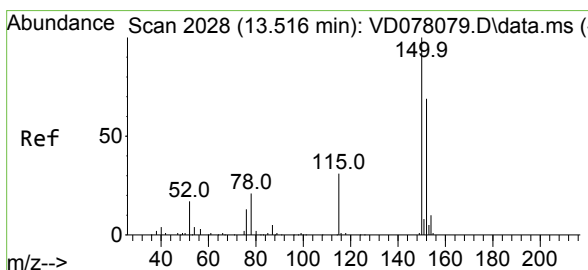
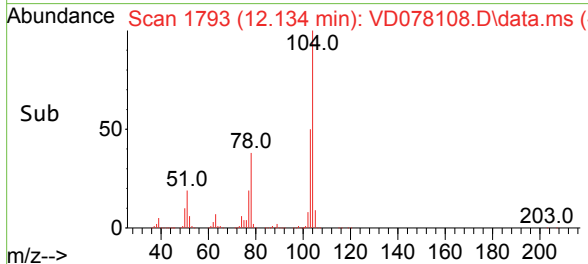
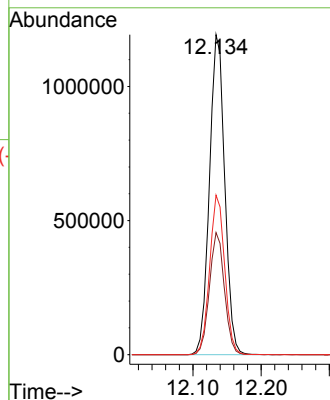
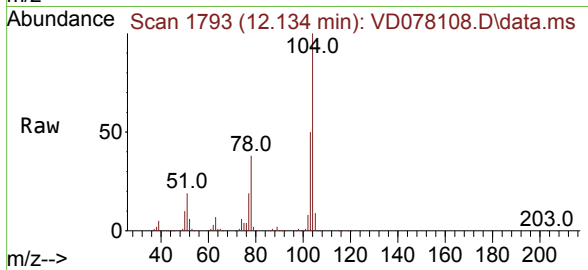
Tgt Ion:104 Resp: 1859850

Ion Ratio Lower Upper

104 100

78 37.5 33.2 49.8

103 49.2 43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078108.D

Acq: 29 Dec 2023 15:10

Tgt Ion:152 Resp: 174016

Ion Ratio Lower Upper

152 100

115 54.3 27.1 81.3

150 160.2 0.0 353.6

