

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078086.D
 Acq On : 28 Dec 2023 12:16
 Operator : RP/MD
 Sample : VD1228SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223

Quant Time: Dec 28 22:22:28 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	240044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	393687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	382813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	184727	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	94962	44.461	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.920%
35) Dibromofluoromethane	7.804	113	122271	48.269	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.540%
50) Toluene-d8	10.269	98	482613	54.146	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.300%
62) 4-Bromofluorobenzene	12.575	95	149061	51.976	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.960%

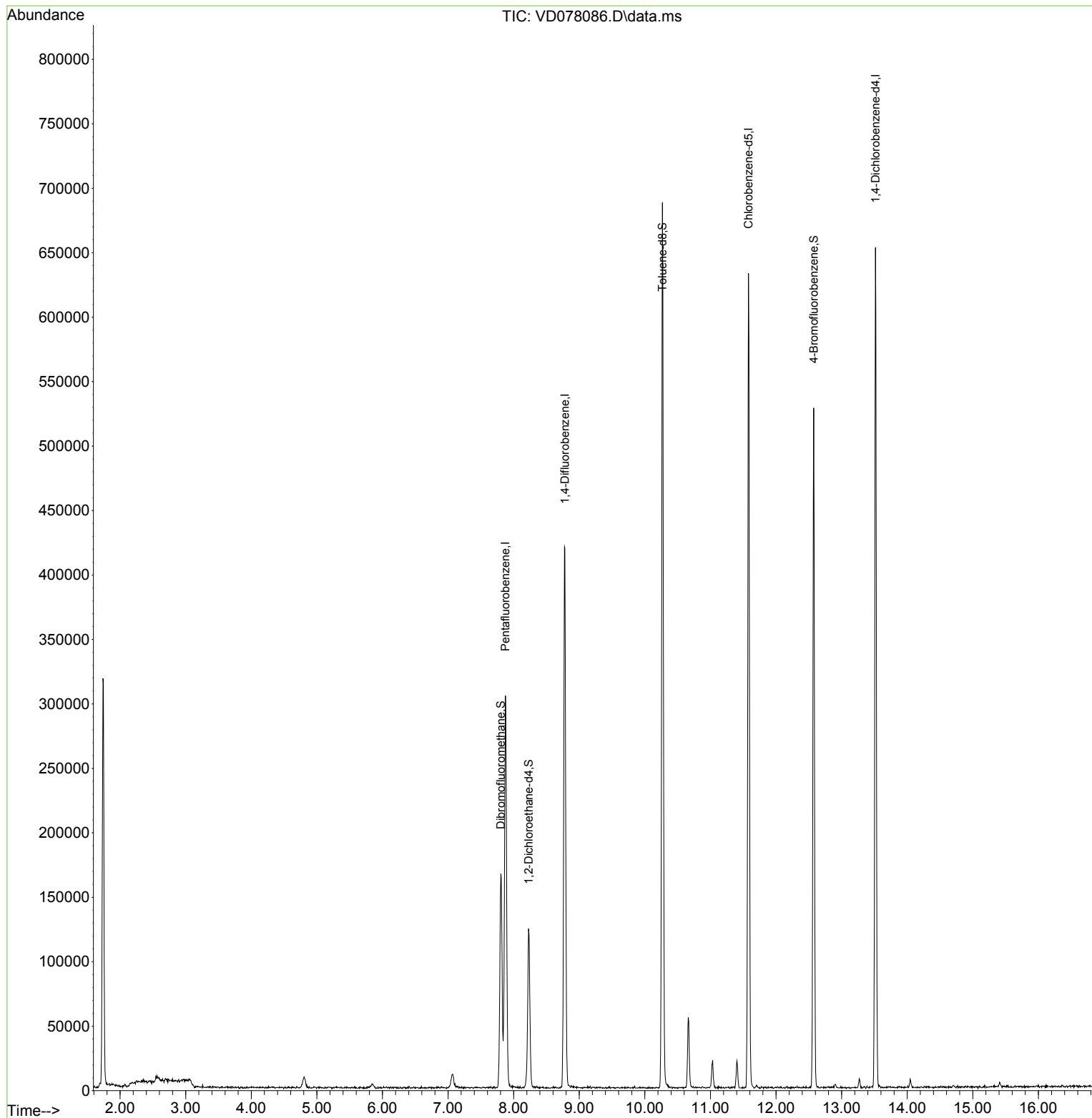
Target Compounds	Qvalue

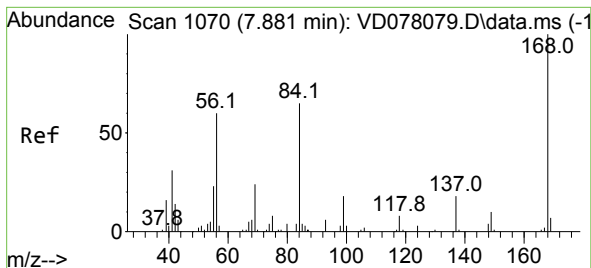
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
Data File : VD078086.D
Acq On : 28 Dec 2023 12:16
Operator : RP/MD
Sample : VD1228SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1223

Quant Time: Dec 28 22:22:28 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD078086.D

Acq: 28 Dec 2023 12:16

Instrument :

MSVOA_D

ClientSampleId :

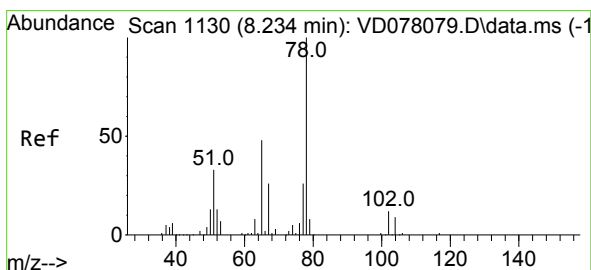
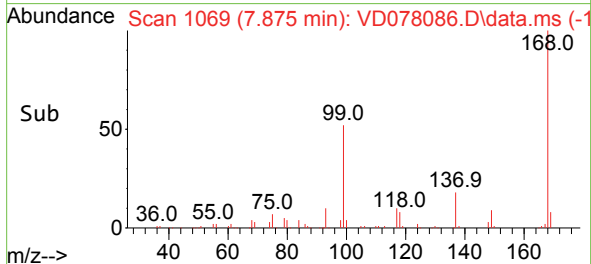
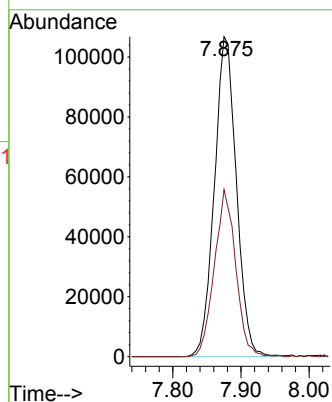
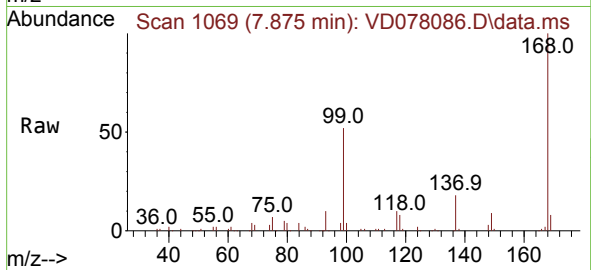
VD1223

Tgt Ion:168 Resp: 240044

Ion Ratio Lower Upper

168 100

99 52.2 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 44.461 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078086.D

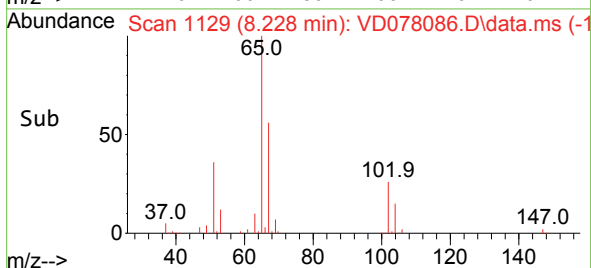
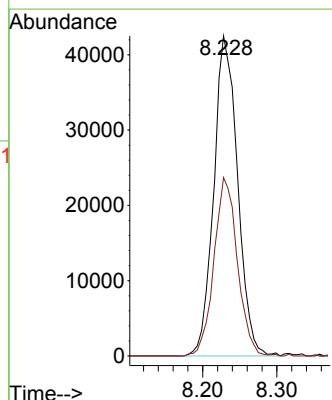
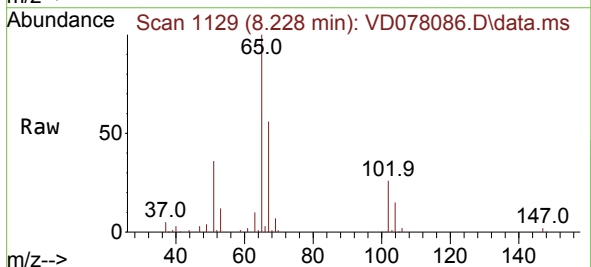
Acq: 28 Dec 2023 12:16

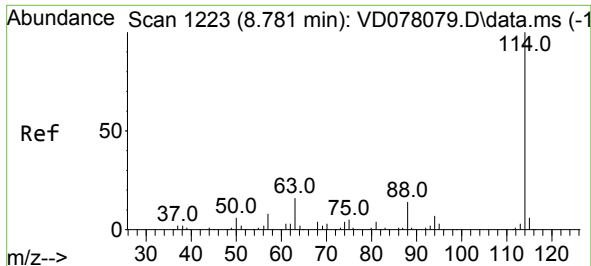
Tgt Ion: 65 Resp: 94962

Ion Ratio Lower Upper

65 100

67 54.8 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: VD078086.D

Acq: 28 Dec 2023 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1223

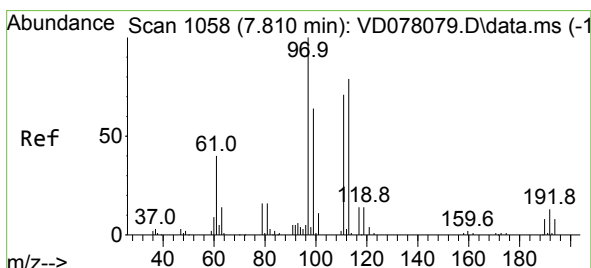
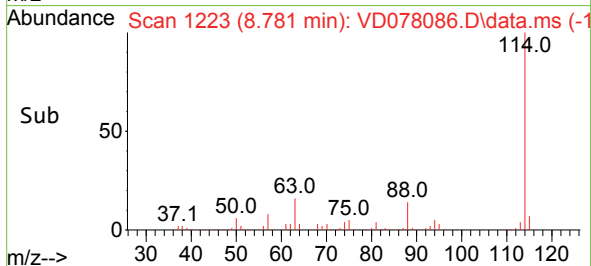
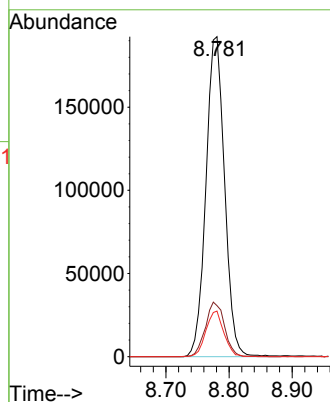
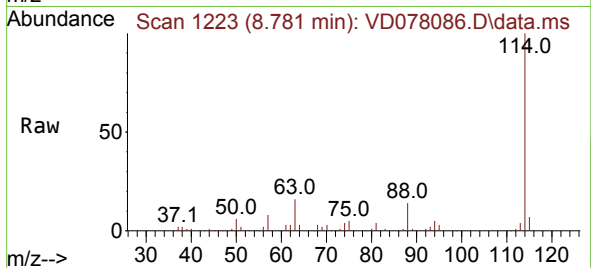
Tgt Ion:114 Resp: 393687

Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.269 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078086.D

Acq: 28 Dec 2023 12:16

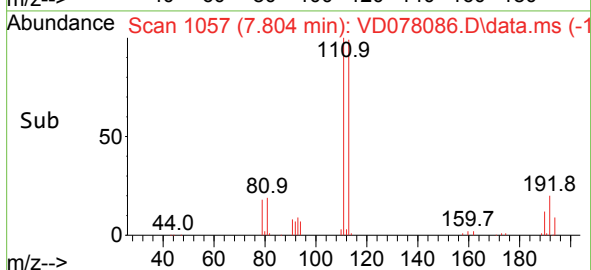
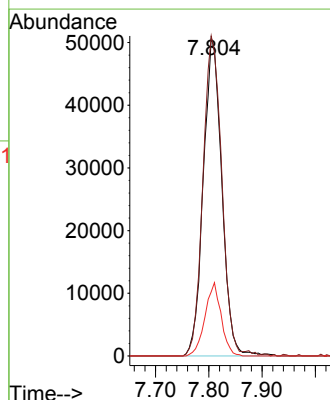
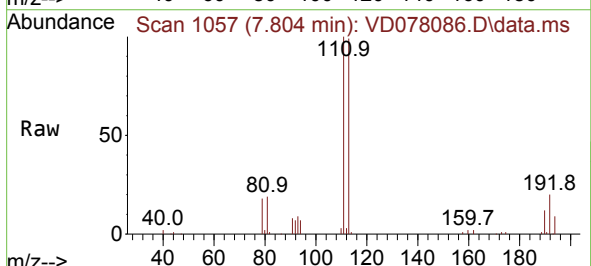
Tgt Ion:113 Resp: 122271

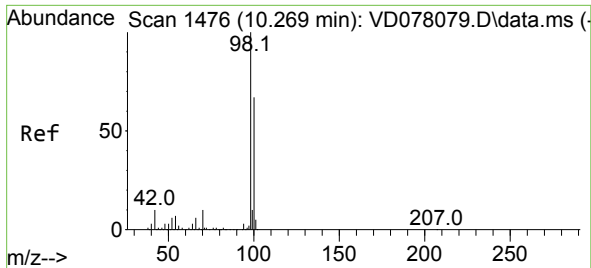
Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 20.2 16.8 25.2

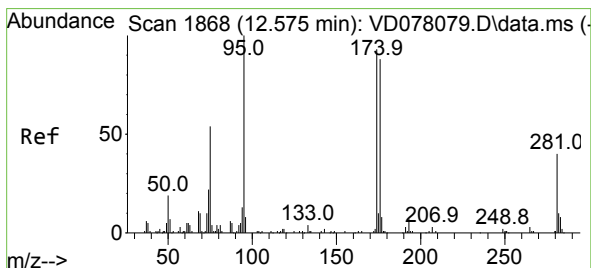
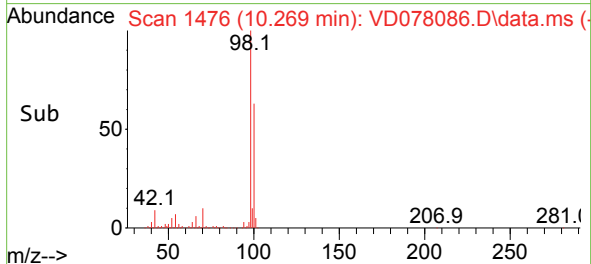
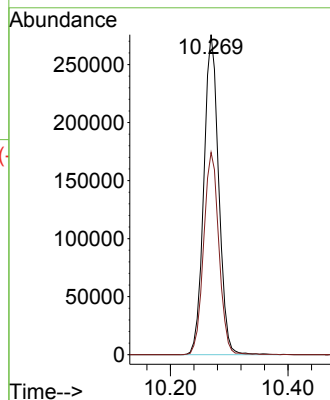
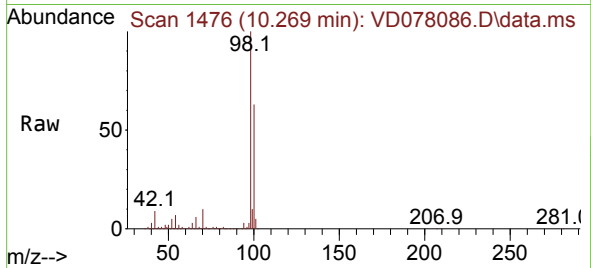




#50
Toluene-d8
Concen: 54.146 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

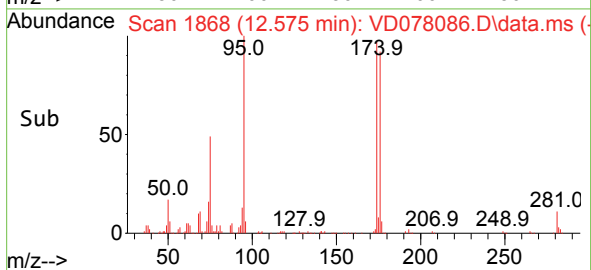
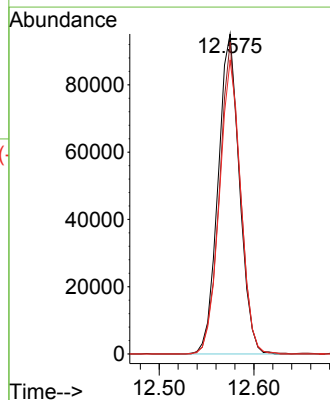
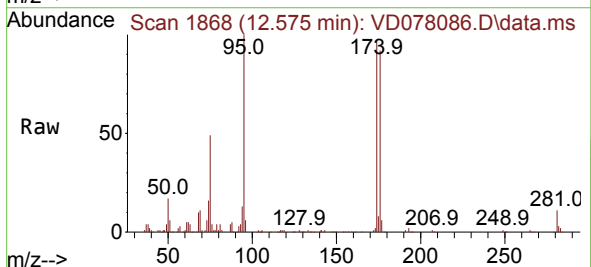
Instrument :
MSVOA_D
ClientSampleId :
VD1223

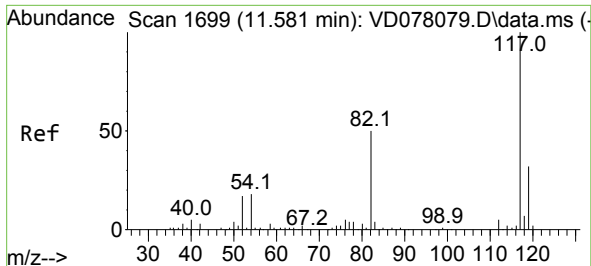
Tgt Ion: 98 Resp: 482613
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 51.976 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

Tgt Ion: 95 Resp: 149061
Ion Ratio Lower Upper
95 100
174 94.2 0.0 201.8
176 91.6 0.0 191.8

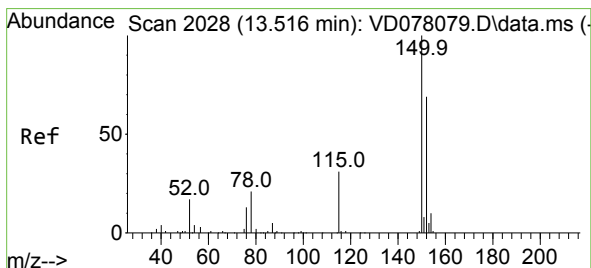
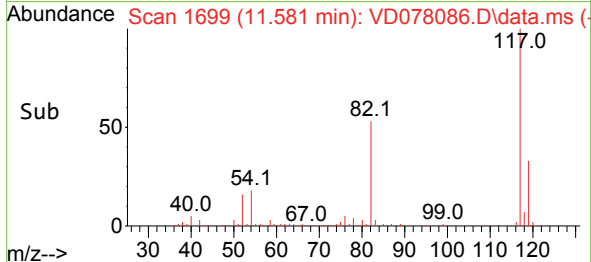
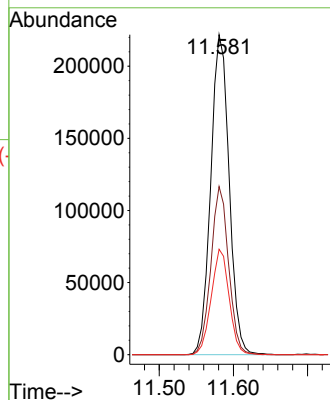
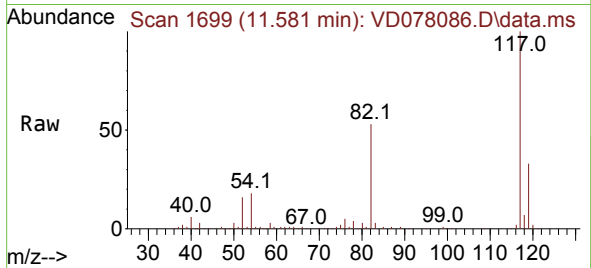




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1223

Tgt Ion:117 Resp: 382813
Ion Ratio Lower Upper
117 100
82 52.6 38.3 57.5
119 33.0 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: VD078086.D
Acq: 28 Dec 2023 12:16

Tgt Ion:152 Resp: 184727
Ion Ratio Lower Upper
152 100
115 53.8 27.1 81.3
150 154.9 0.0 353.6

