

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122623\
 Data File : VD078082.D
 Acq On : 26 Dec 2023 14:25
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Dec 27 03:17:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:06:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	255541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	414915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	390264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	180075	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	103225	45.399	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.800%
35) Dibromofluoromethane	7.810	113	124703	46.711	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.420%
50) Toluene-d8	10.269	98	505289	53.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.580%
62) 4-Bromofluorobenzene	12.575	95	150179	49.686	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.380%

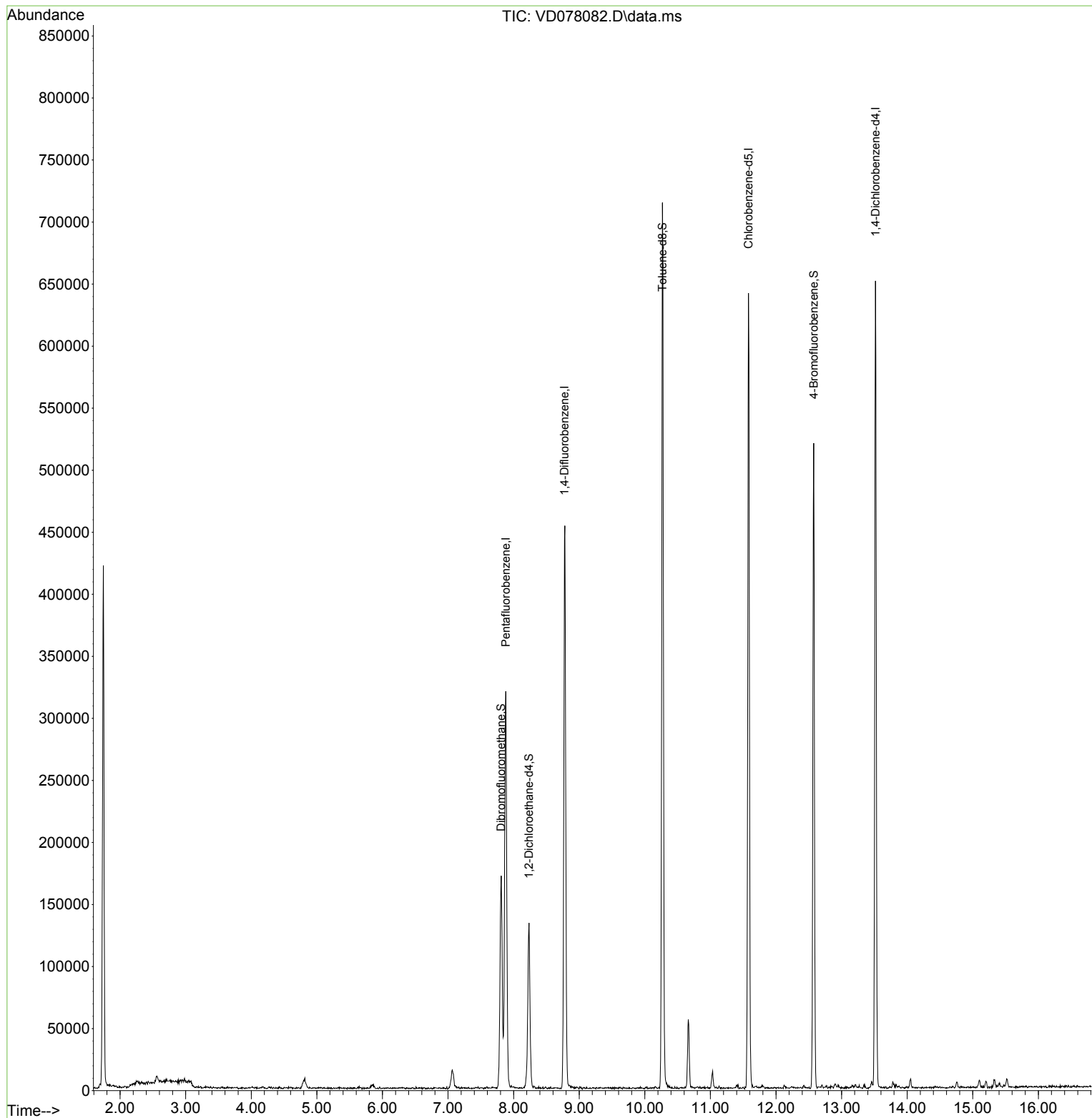
Target Compounds	Qvalue

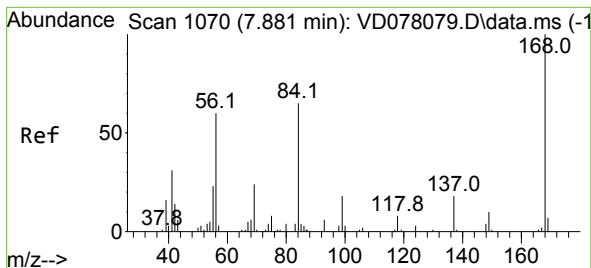
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD078082.D

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Instrument :

MSVOA_D

ClientSampleId :

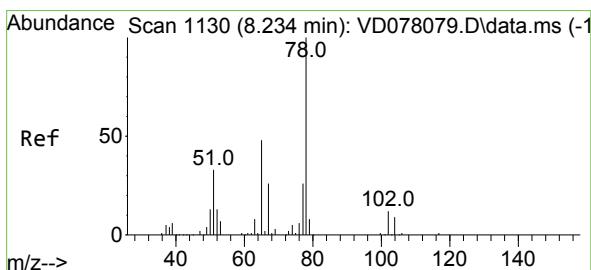
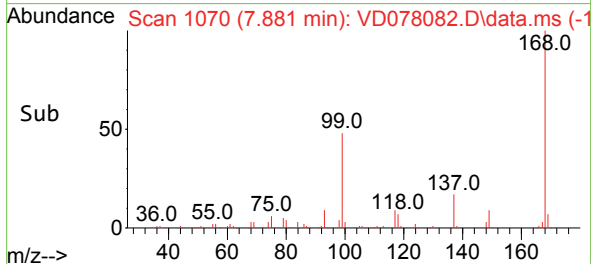
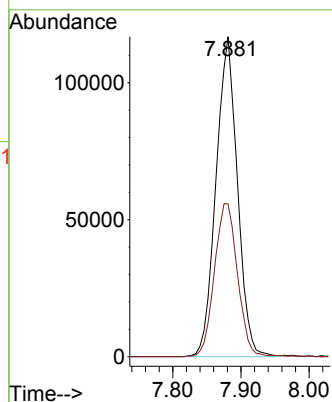
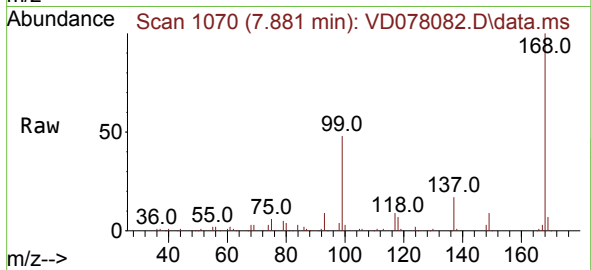
VIBLK

Tgt Ion:168 Resp: 255541

Ion Ratio Lower Upper

168 100

99 47.8 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 45.399 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078082.D

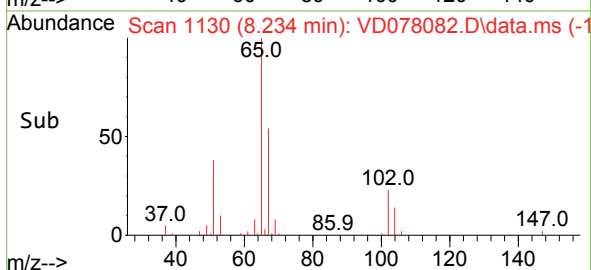
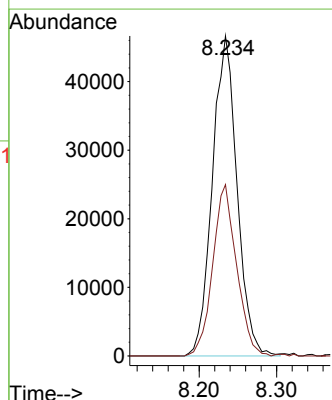
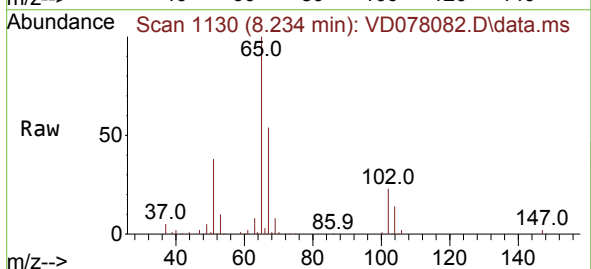
Acq: 26 Dec 2023 14:25

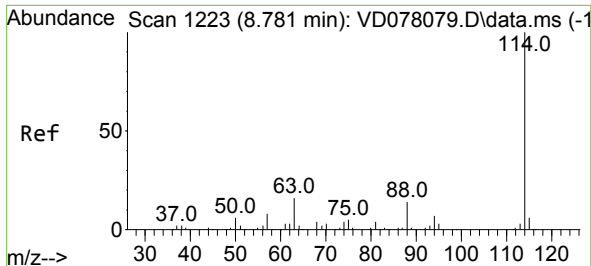
Tgt Ion: 65 Resp: 103225

Ion Ratio Lower Upper

65 100

67 51.7 0.0 115.0

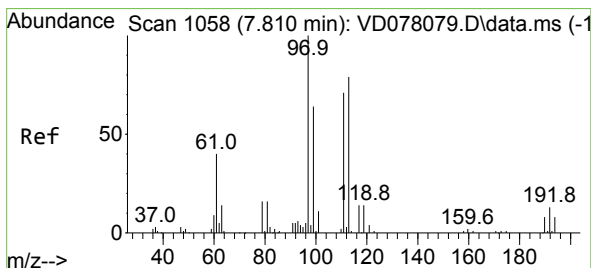
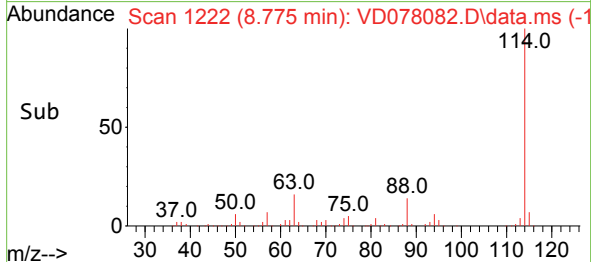
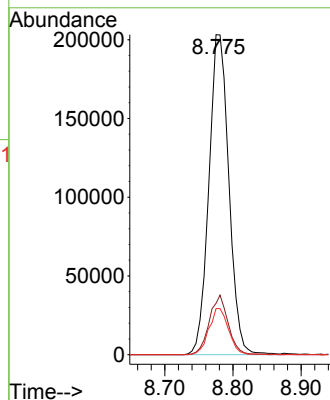
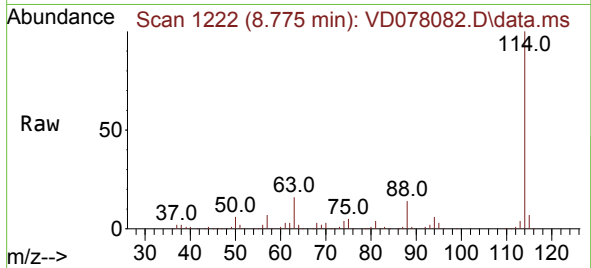




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

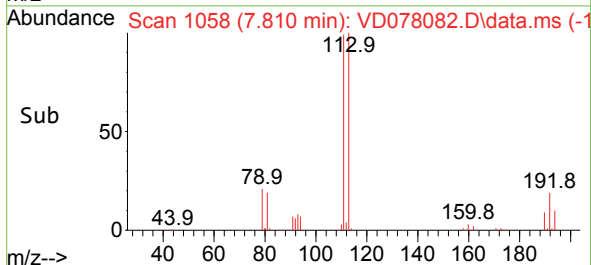
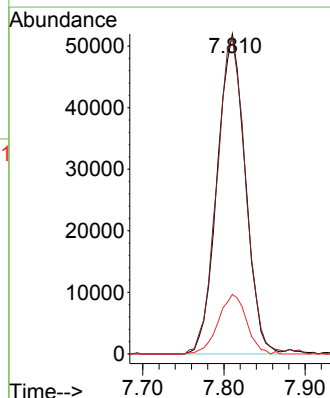
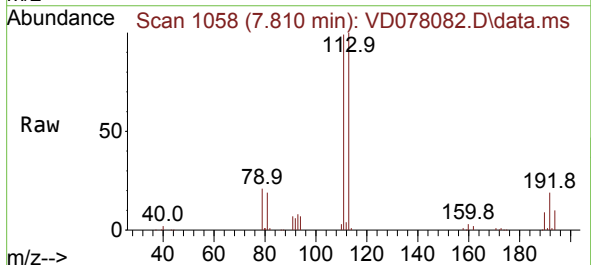
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

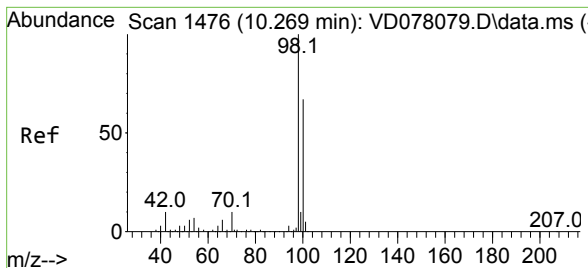
Tgt Ion:114 Resp: 414915
Ion Ratio Lower Upper
114 100
63 16.1 0.0 33.4
88 14.4 0.0 26.2



#35
Dibromofluoromethane
Concen: 46.711 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

Tgt Ion:113 Resp: 124703
Ion Ratio Lower Upper
113 100
111 101.4 84.7 127.1
192 18.8 16.8 25.2

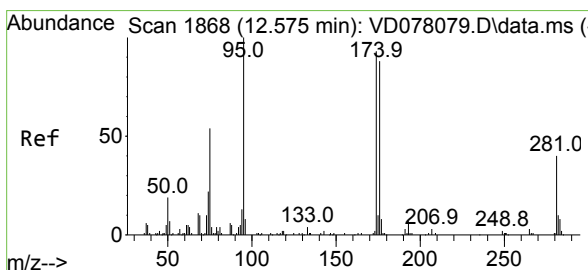
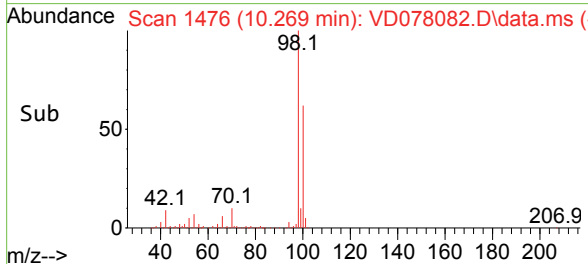
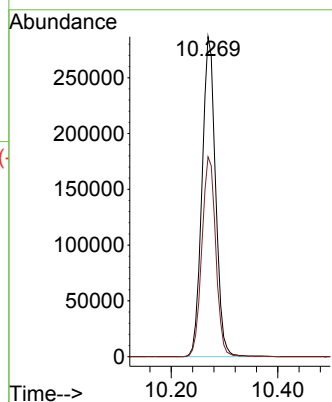
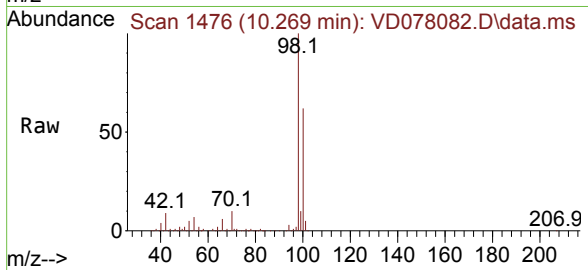




#50
Toluene-d8
Concen: 53.789 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

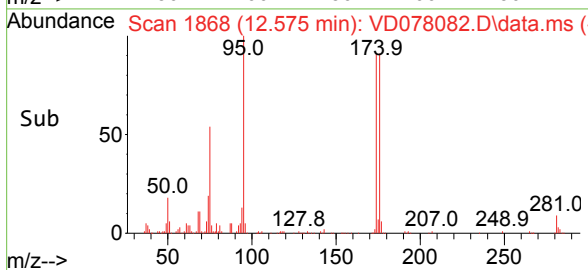
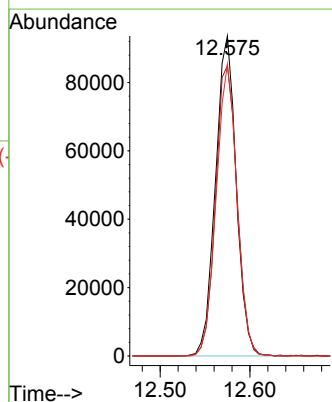
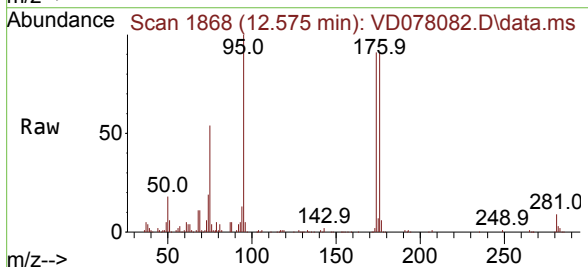
Instrument :
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VIBLK

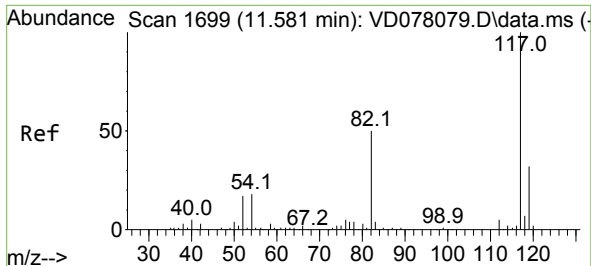
Tgt Ion: 98 Resp: 505289
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.686 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

Tgt Ion: 95 Resp: 150179
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 91.1 0.0 191.8

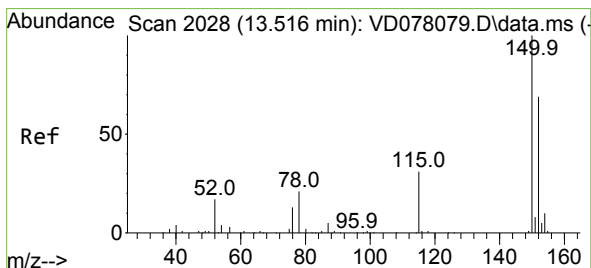
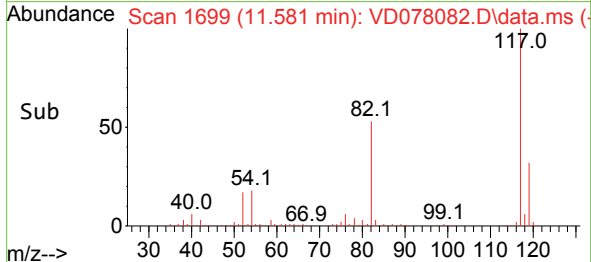
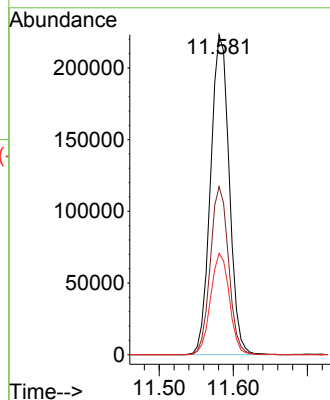
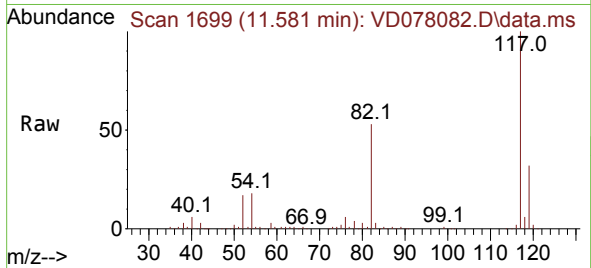




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 390264
Ion Ratio Lower Upper
117 100
82 52.5 38.3 57.5
119 31.6 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: VD078082.D
Acq: 26 Dec 2023 14:25

Tgt Ion:152 Resp: 180075
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.3
150 156.3 0.0 353.6

