

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078031.D
 Acq On : 21 Dec 2023 17:39
 Operator : RP/MD
 Sample : 05877-02
 Misc : 3.85G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COM13

Quant Time: Dec 22 05:26:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	173692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	313492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	302400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135533	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	86342	42.186	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.380%
35) Dibromofluoromethane	7.810	113	94248	42.920	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.840%
50) Toluene-d8	10.269	98	392923	44.676	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.360%
62) 4-Bromofluorobenzene	12.575	95	116000	44.116	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.240%

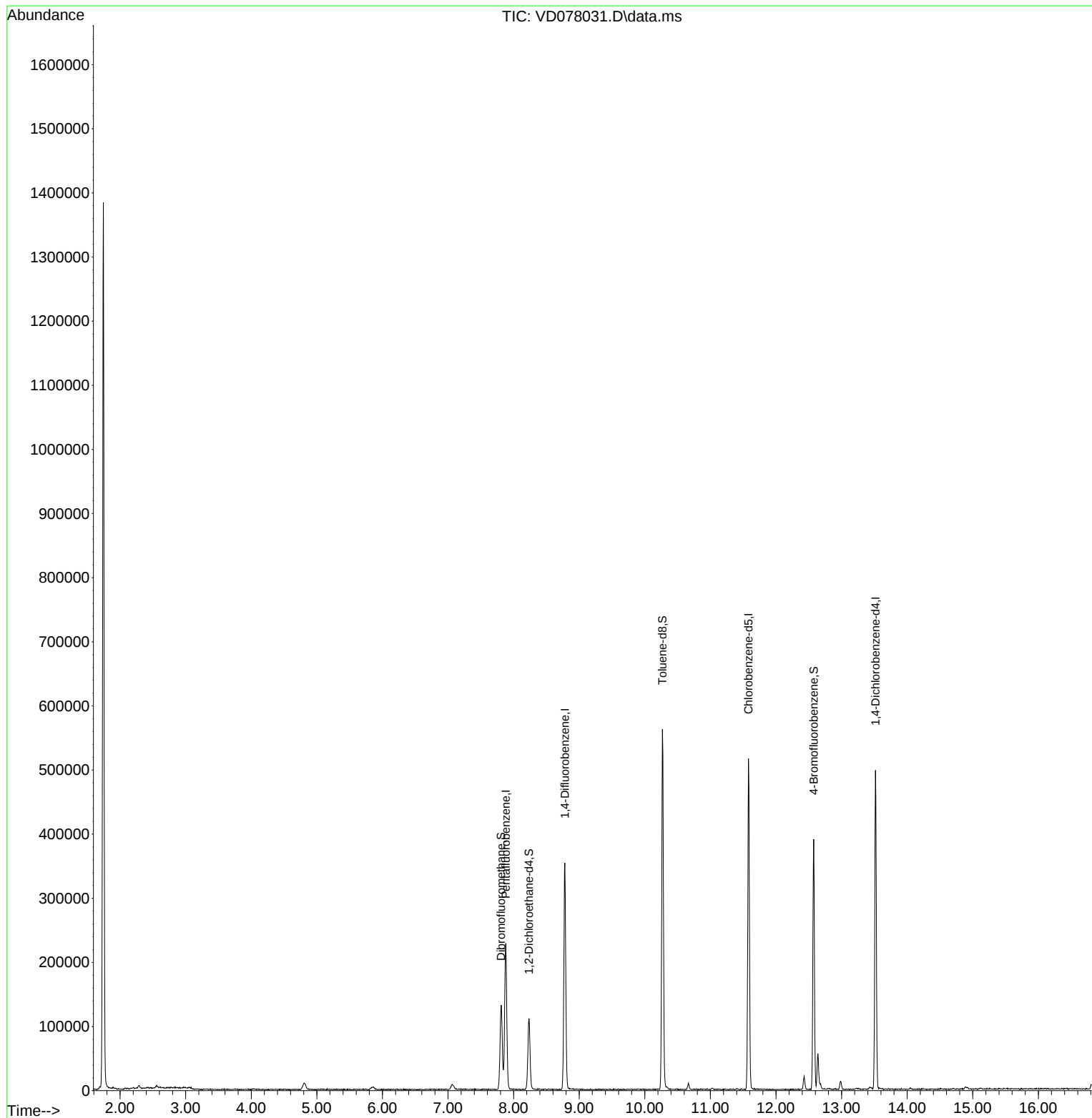
Target Compounds	Qvalue

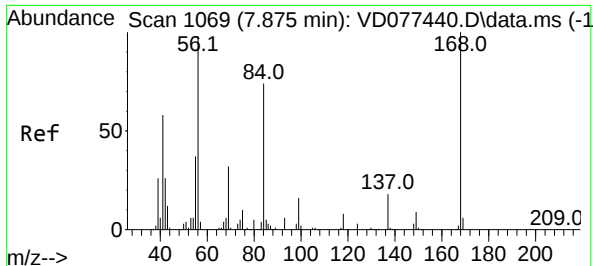
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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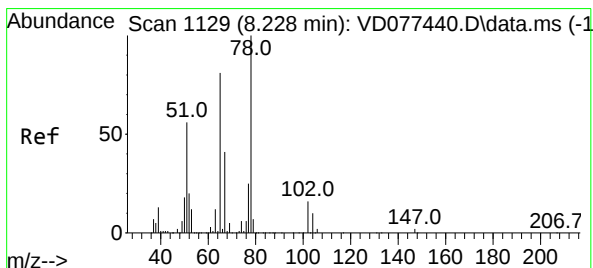
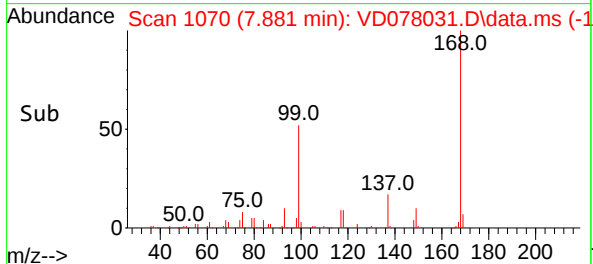
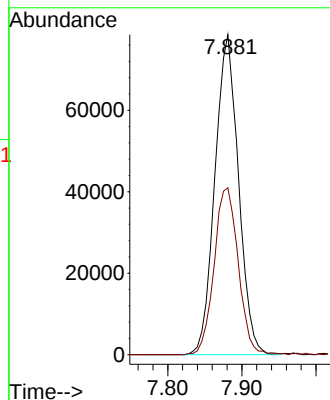
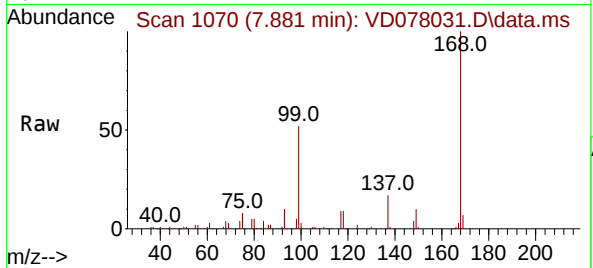




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

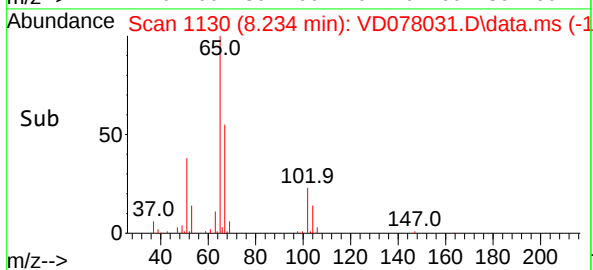
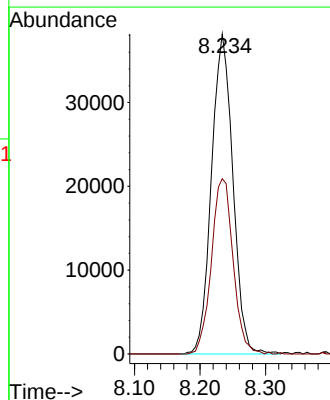
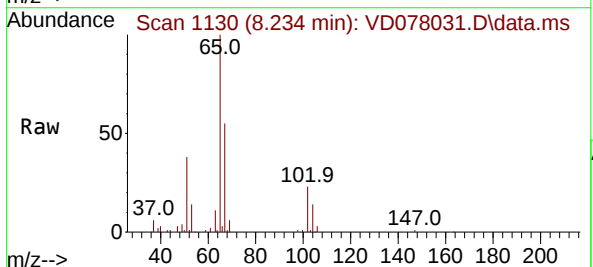
Instrument :
MSVOA_D
ClientSampleId :
COM13

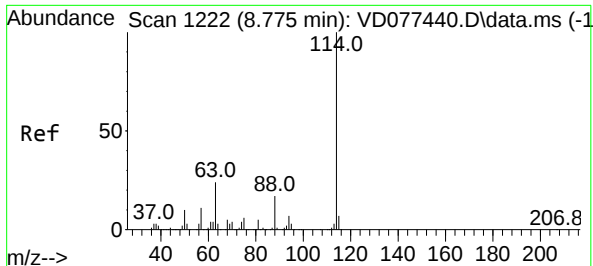
Tgt Ion:168 Resp: 173692
Ion Ratio Lower Upper
168 100
99 52.1 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 42.186 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Tgt Ion: 65 Resp: 86342
Ion Ratio Lower Upper
65 100
67 55.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078031.D

Acq: 21 Dec 2023 17:39

Instrument :

MSVOA_D

ClientSampleId :

COM13

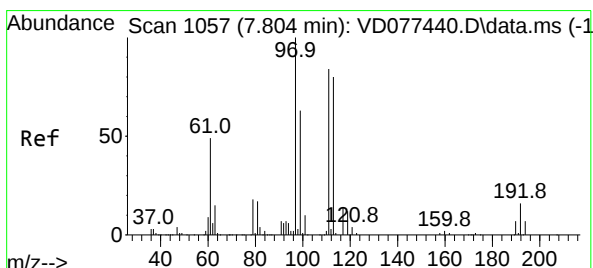
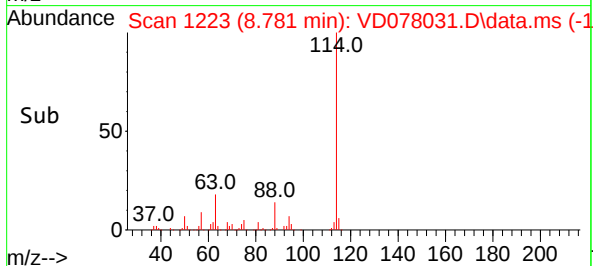
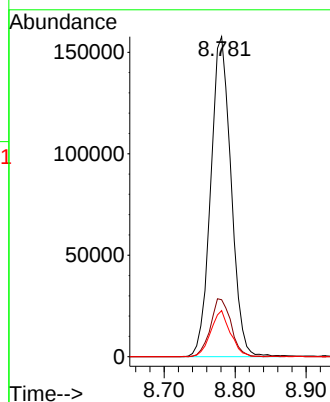
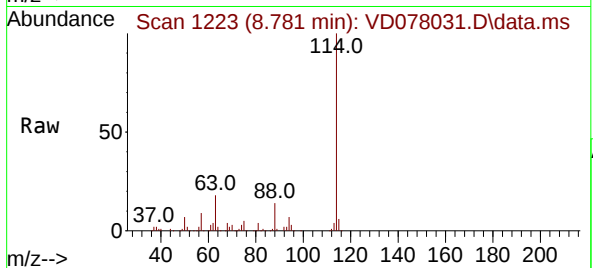
Tgt Ion:114 Resp: 313492

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 14.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.920 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078031.D

Acq: 21 Dec 2023 17:39

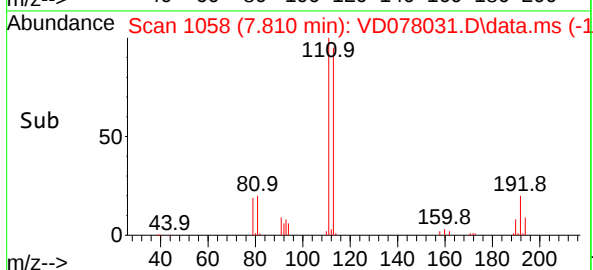
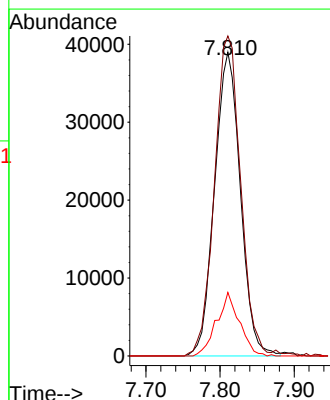
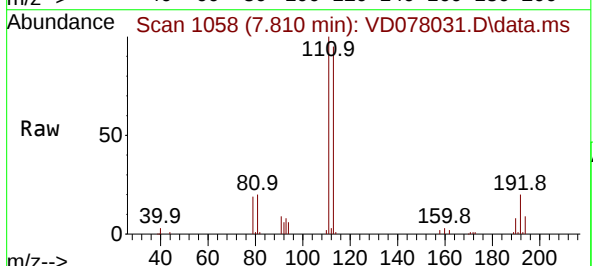
Tgt Ion:113 Resp: 94248

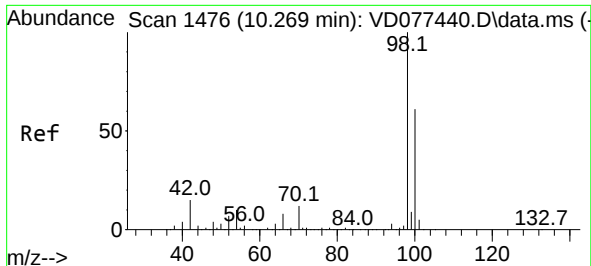
Ion Ratio Lower Upper

113 100

111 106.4 84.7 127.1

192 18.5 16.8 25.2

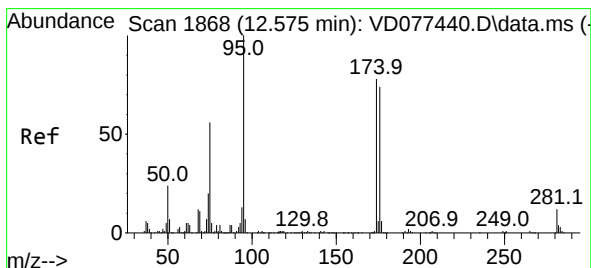
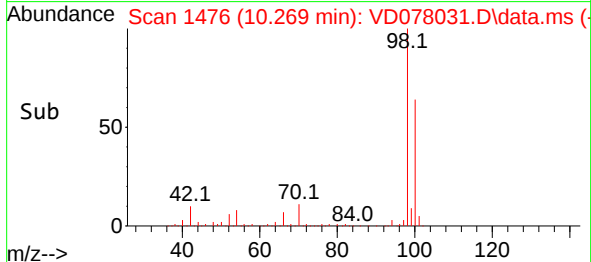
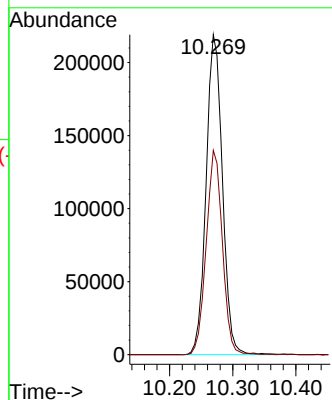
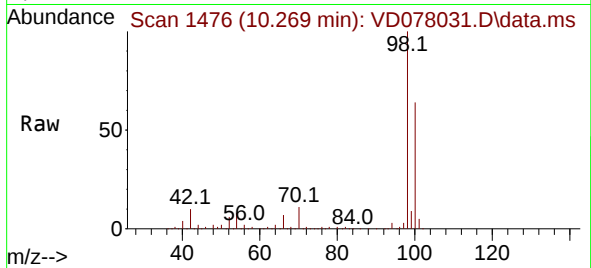




#50
Toluene-d8
Concen: 44.676 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

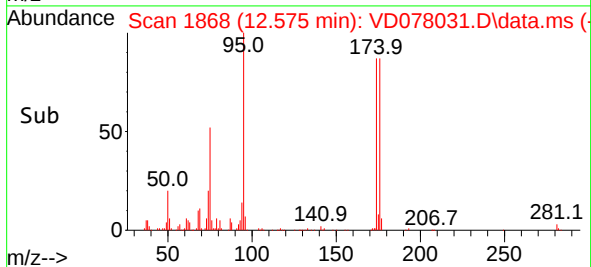
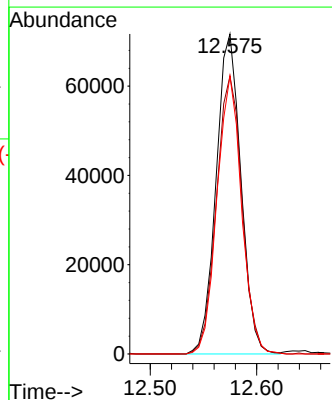
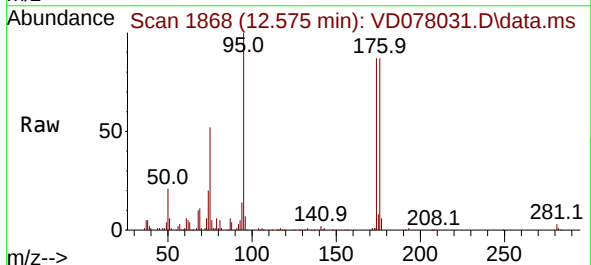
Instrument :
MSVOA_D
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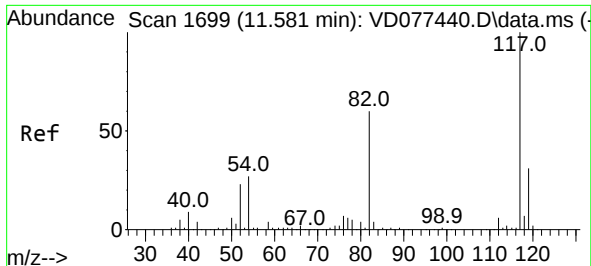
Tgt Ion: 98 Resp: 392923
Ion Ratio Lower Upper
98 100
100 63.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.116 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Tgt Ion: 95 Resp: 116000
Ion Ratio Lower Upper
95 100
174 89.5 0.0 201.8
176 85.8 0.0 191.8

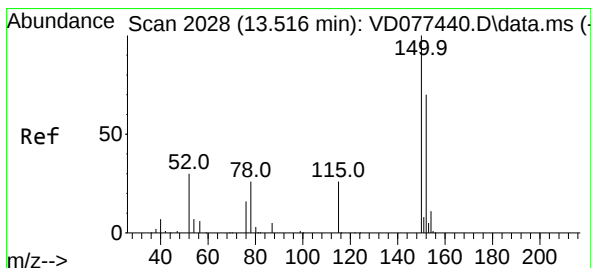
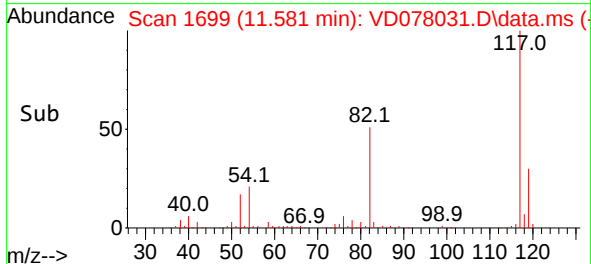
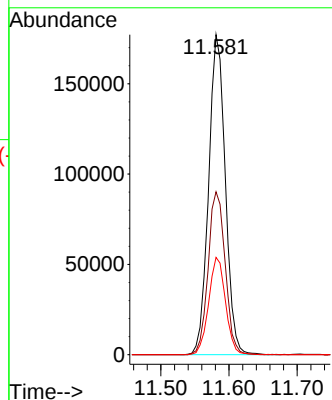
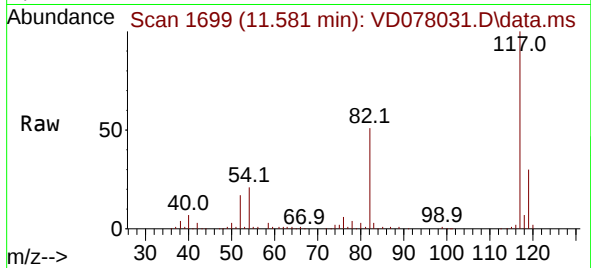




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Instrument :
MSVOA_D
ClientSampleId :
COM13

Tgt Ion:117 Resp: 302400
Ion Ratio Lower Upper
117 100
82 50.9 38.3 57.5
119 30.4 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: VD078031.D
Acq: 21 Dec 2023 17:39

Tgt Ion:152 Resp: 135533
Ion Ratio Lower Upper
152 100
115 56.1 27.1 81.3
150 153.3 0.0 353.6

