

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077833.D
 Acq On : 12 Dec 2023 10:36
 Operator : JC/SY
 Sample : VD1212SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213

Quant Time: Dec 12 13:09:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	179677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	371001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	351291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	158895	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	102922	48.612	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.220%
35) Dibromofluoromethane	7.810	113	115058	44.275	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.540%
50) Toluene-d8	10.269	98	481867	46.296	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.600%
62) 4-Bromofluorobenzene	12.575	95	135009	43.386	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.780%

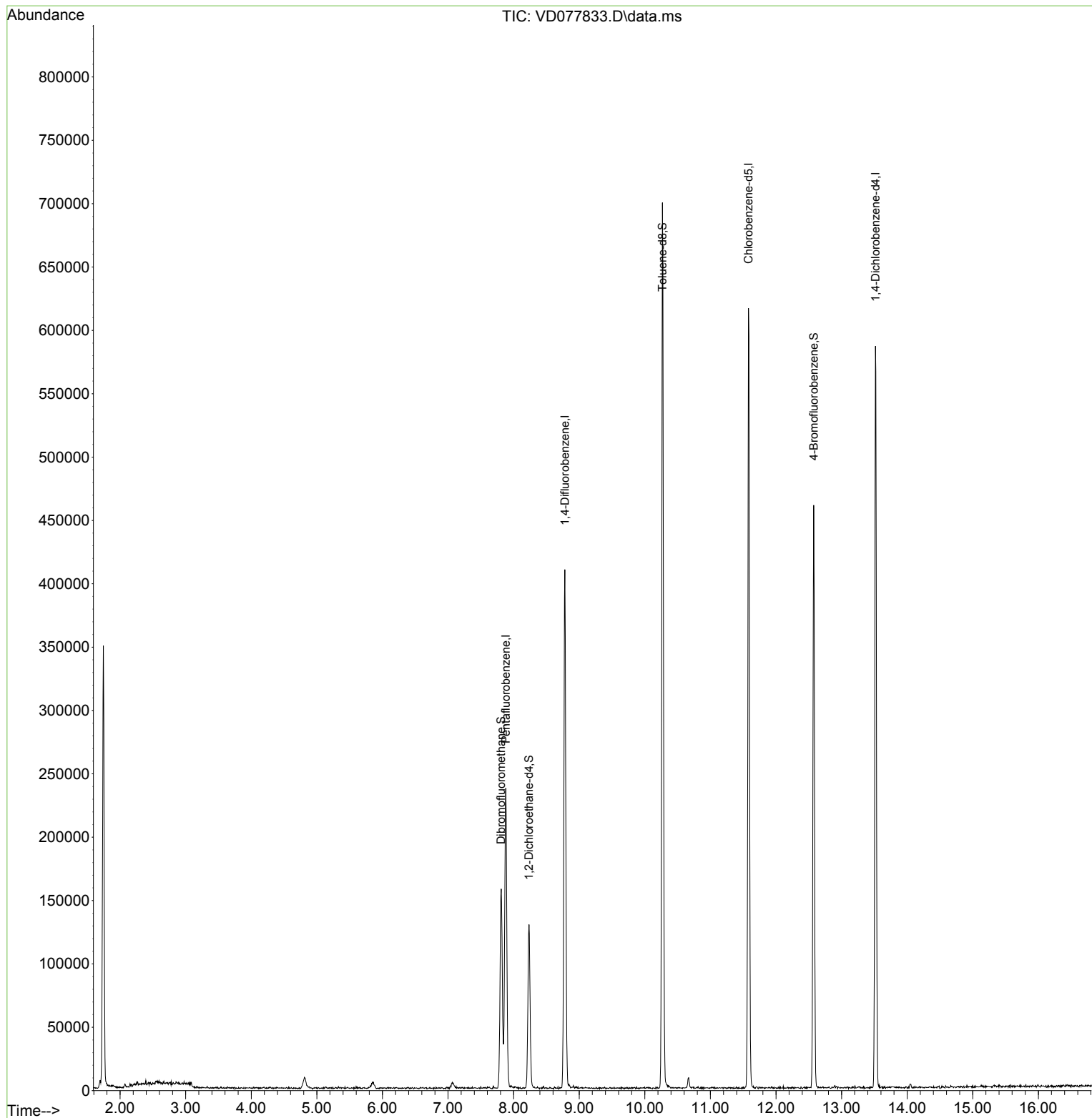
Target Compounds	Qvalue

(#) = 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: VD077833.D

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Instrument :

MSVOA_D

ClientSampleId :

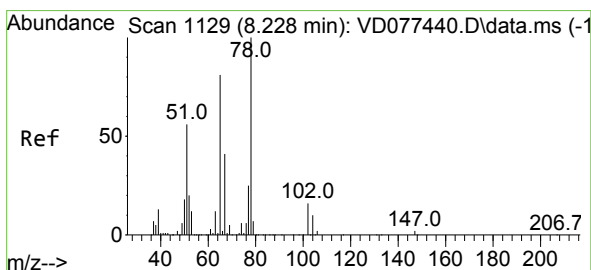
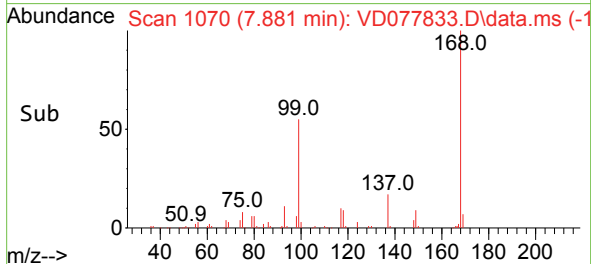
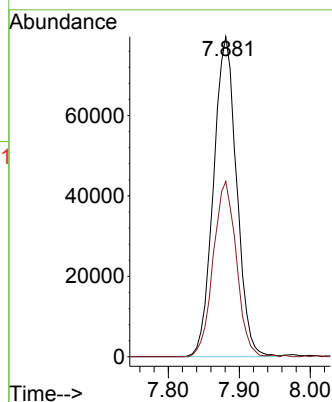
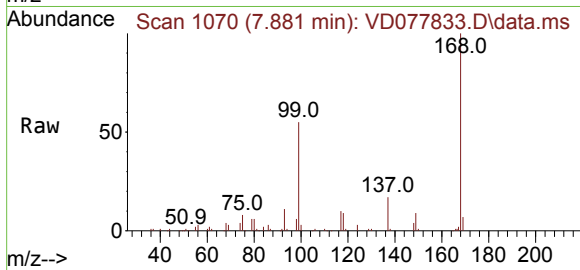
VD1213

Tgt Ion:168 Resp: 179677

Ion Ratio Lower Upper

168 100

99 54.8 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 48.612 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077833.D

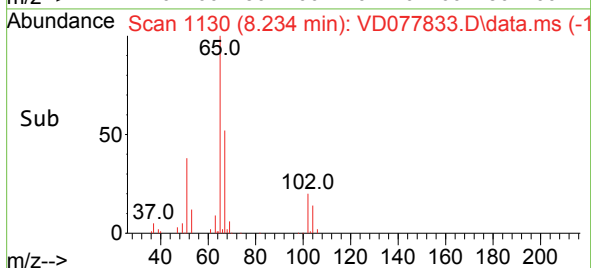
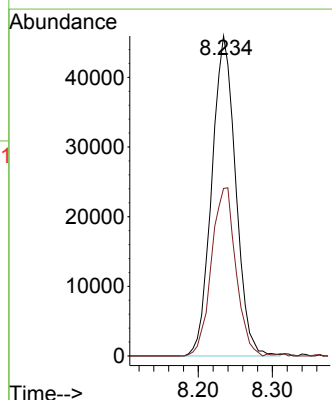
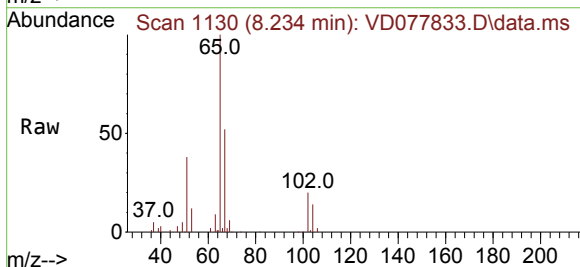
Acq: 12 Dec 2023 10:36

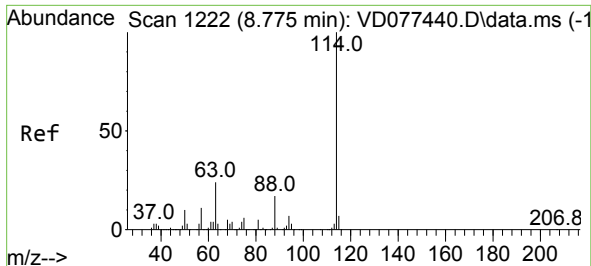
Tgt Ion: 65 Resp: 102922

Ion Ratio Lower Upper

65 100

67 53.7 0.0 115.0

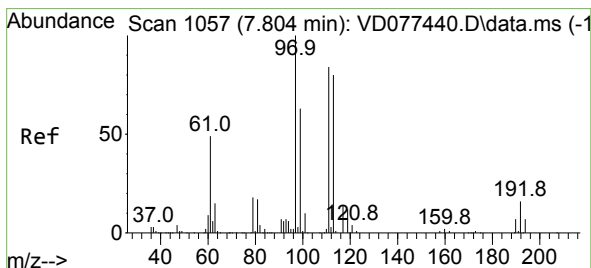
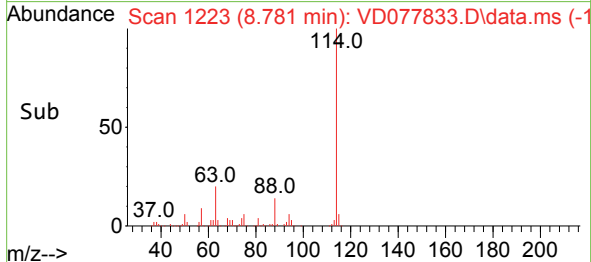
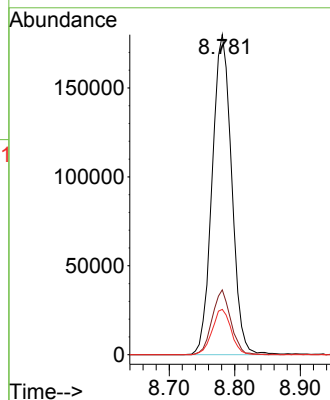
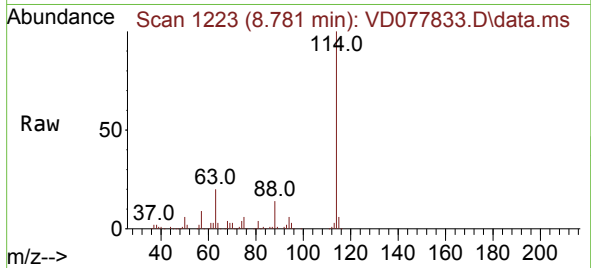




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

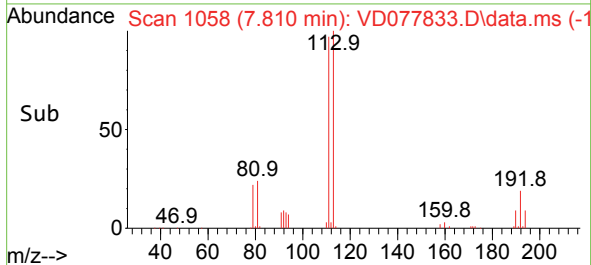
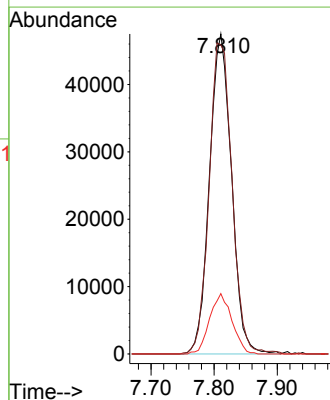
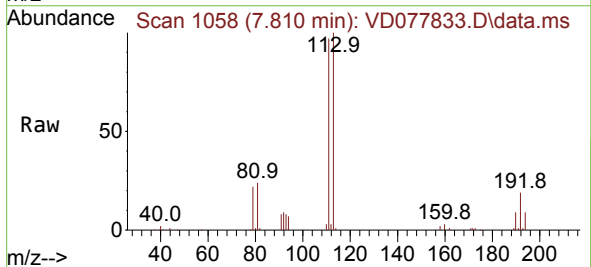
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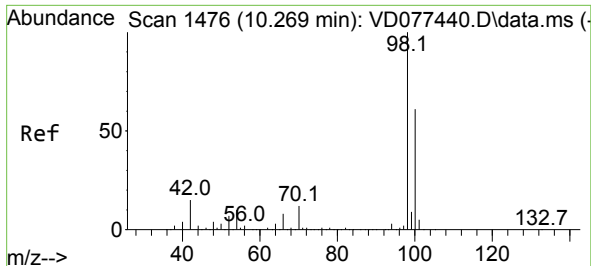
Tgt Ion:114 Resp: 371001
Ion Ratio Lower Upper
114 100
63 20.2 0.0 33.4
88 14.2 0.0 26.2



#35
Dibromofluoromethane
Concen: 44.275 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion:113 Resp: 115058
Ion Ratio Lower Upper
113 100
111 101.3 84.7 127.1
192 19.1 16.8 25.2

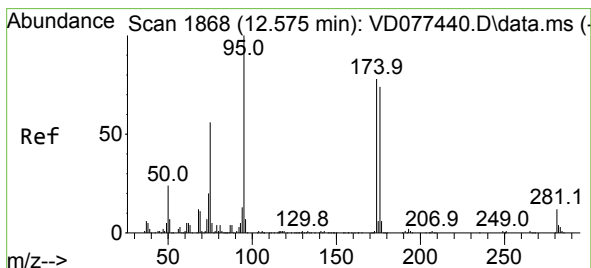
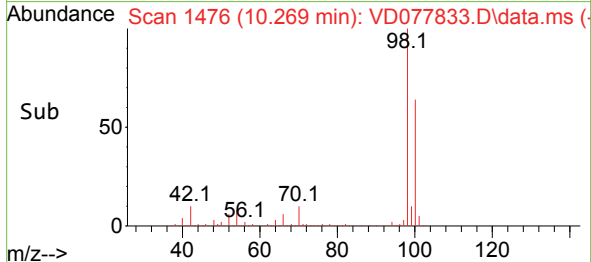
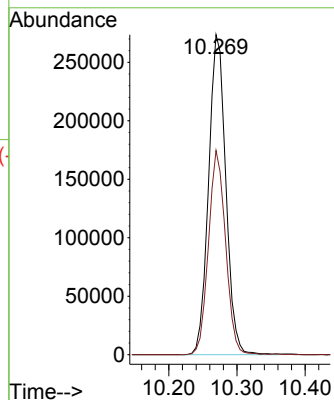
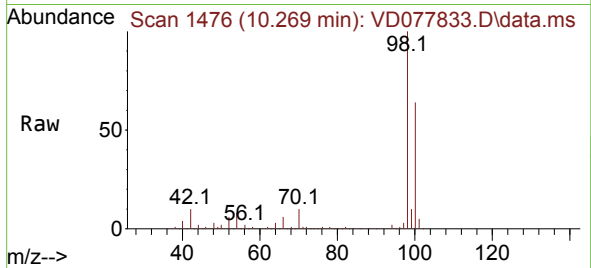




#50
Toluene-d8
Concen: 46.296 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

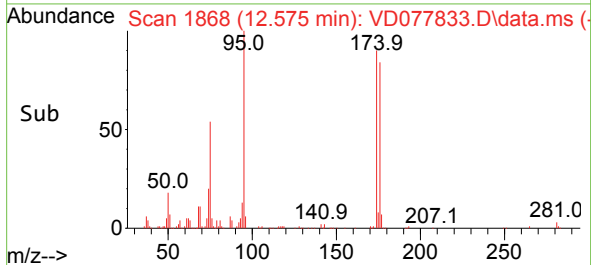
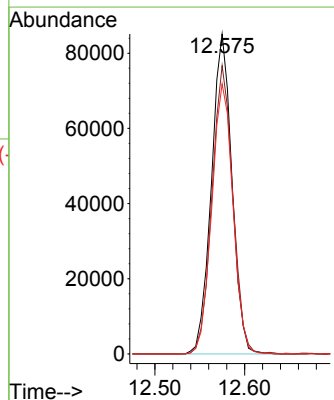
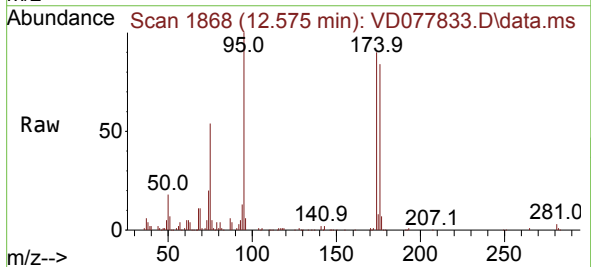
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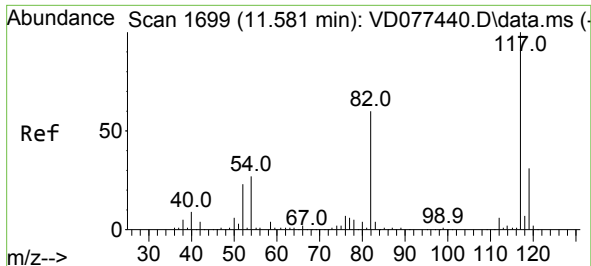
Tgt Ion: 98 Resp: 481867
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.386 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion: 95 Resp: 135009
Ion Ratio Lower Upper
95 100
174 91.5 0.0 201.8
176 87.0 0.0 191.8

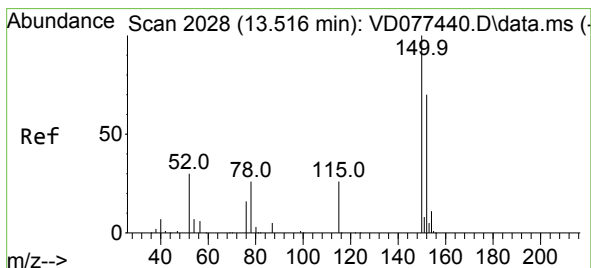
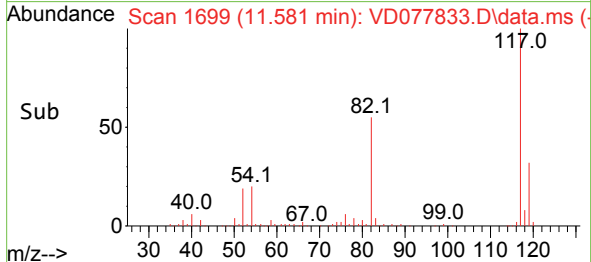
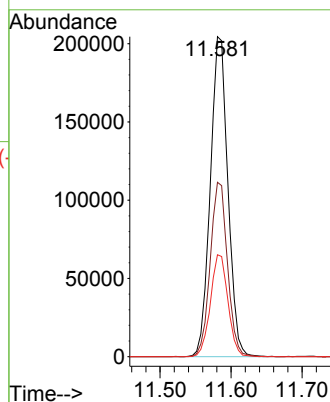
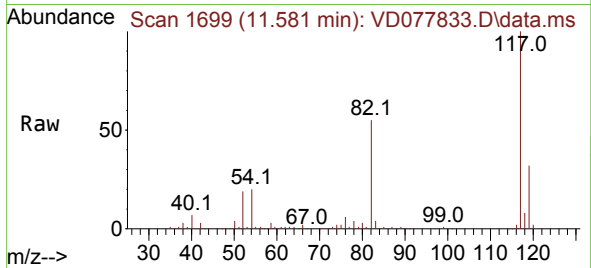




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077833.D
Acq: 12 Dec 2023 10:36

Instrument :
MSVOA_D
ClientSampleId :
VD1213

Tgt Ion:117 Resp: 351291
Ion Ratio Lower Upper
117 100
82 54.5 38.3 57.5
119 31.8 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: VD077833.D
Acq: 12 Dec 2023 10:36

Tgt Ion:152 Resp: 158895
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 159.8 0.0 353.6

