

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077462.D
 Acq On : 31 Oct 2023 15:47
 Operator : JC/SY
 Sample : 05141-05
 Misc : 5.10G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-5

Quant Time: Nov 01 06:08:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	266597	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	549709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	606509	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	306942	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	160623	42.608	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.220%
35) Dibromofluoromethane	7.804	113	169407	44.588	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.180%
50) Toluene-d8	10.269	98	728499	49.364	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.575	95	310375	62.443	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	124.880%

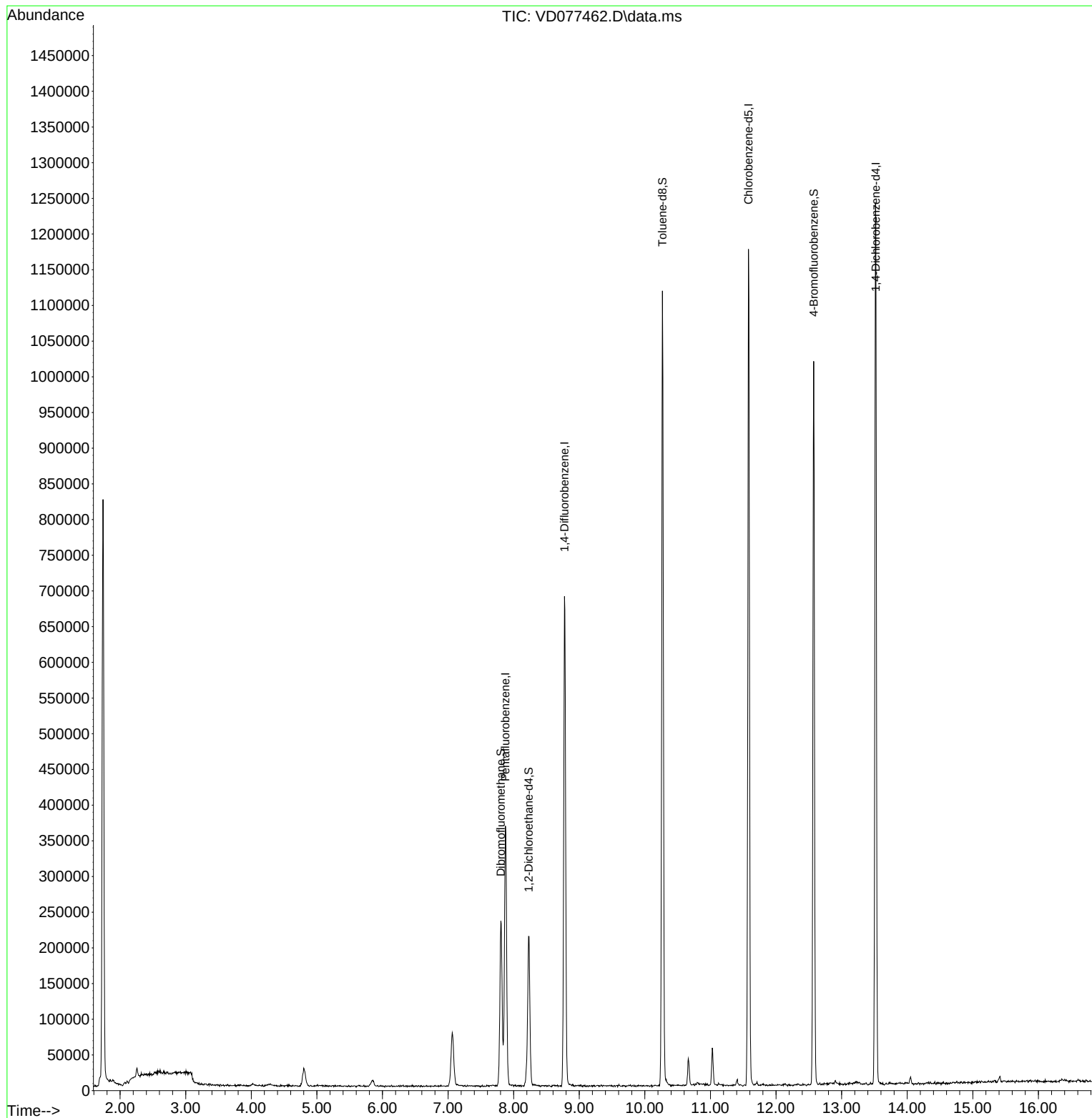
Target Compounds	Qvalue

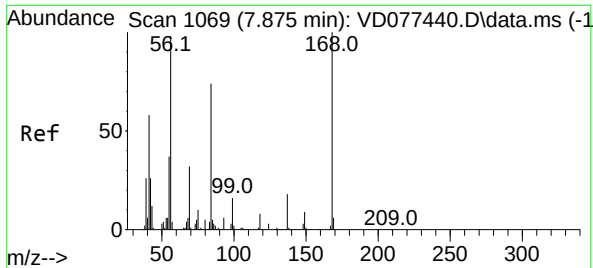
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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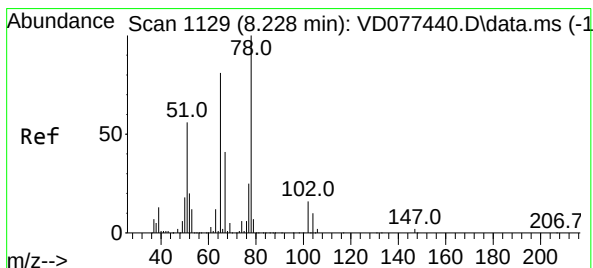
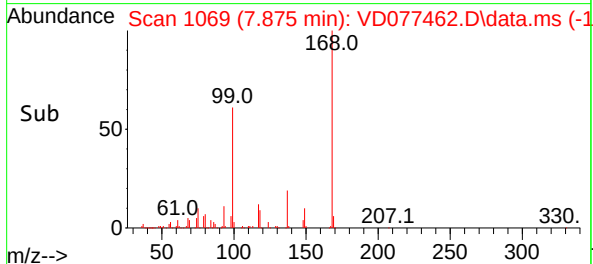
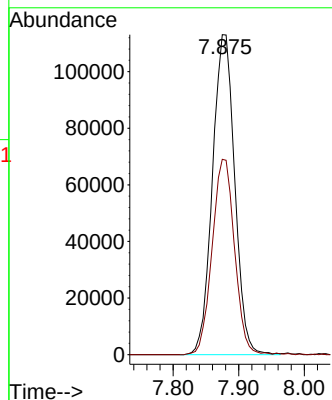
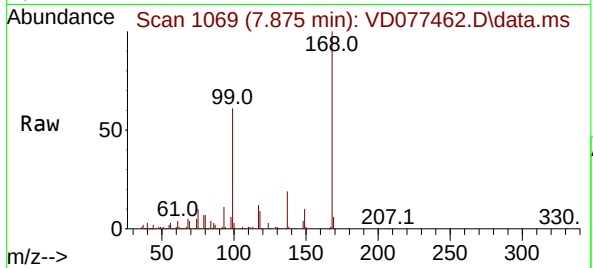




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

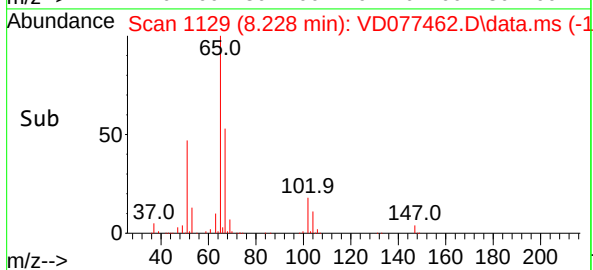
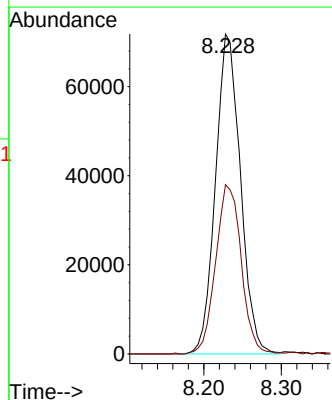
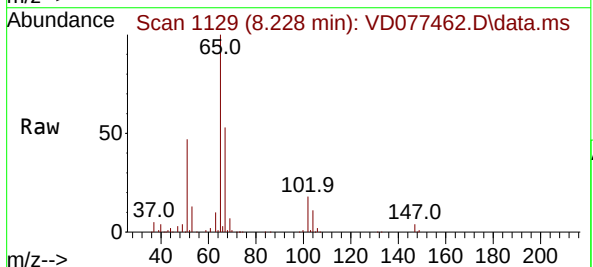
Instrument :
MSVOA_D
ClientSampleId :
PE-5

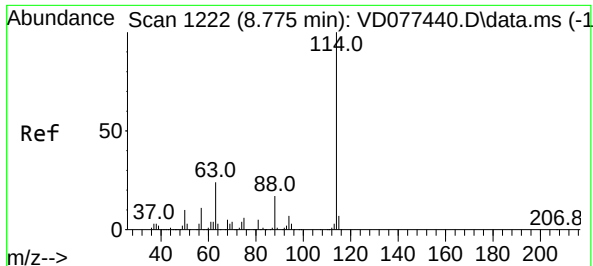
Tgt Ion:168 Resp: 266597
Ion Ratio Lower Upper
168 100
99 61.1 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 42.608 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion: 65 Resp: 160623
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077462.D

Acq: 31 Oct 2023 15:47

Instrument :

MSVOA_D

ClientSampleId :

PE-5

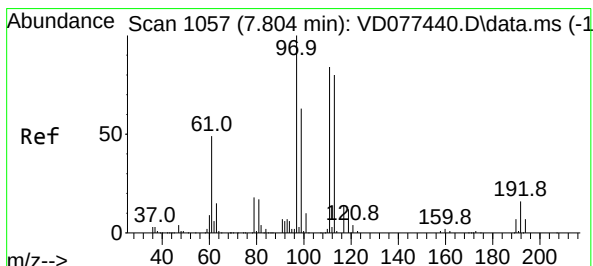
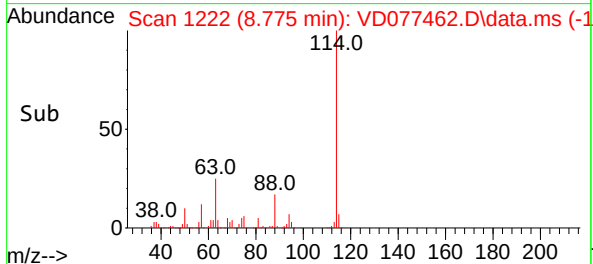
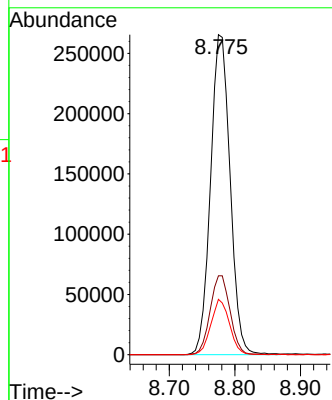
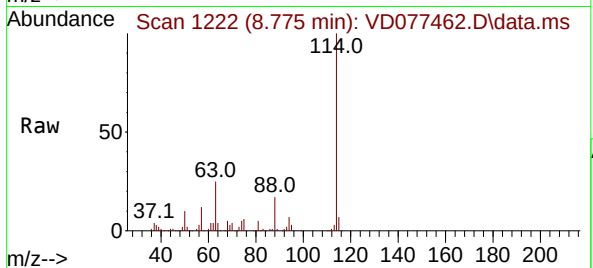
Tgt Ion:114 Resp: 549709

Ion Ratio Lower Upper

114 100

63 24.6 0.0 33.4

88 17.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.588 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD077462.D

Acq: 31 Oct 2023 15:47

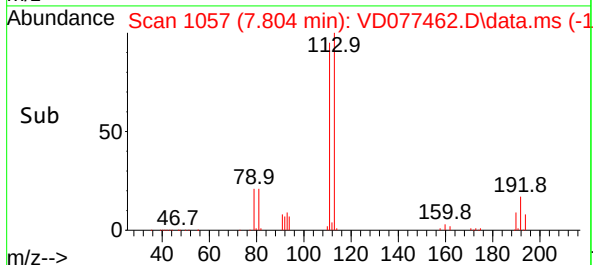
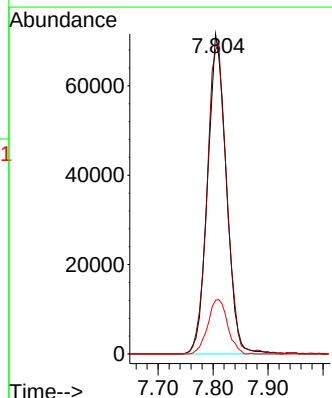
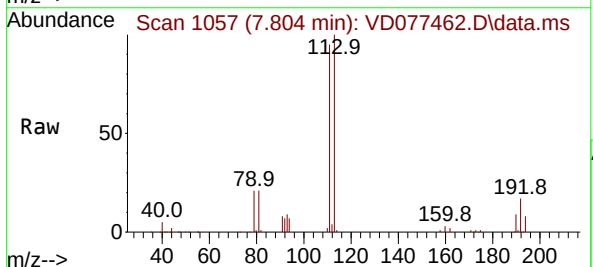
Tgt Ion:113 Resp: 169407

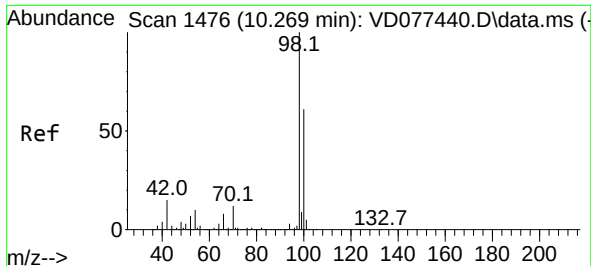
Ion Ratio Lower Upper

113 100

111 101.7 84.7 127.1

192 17.9 16.8 25.2

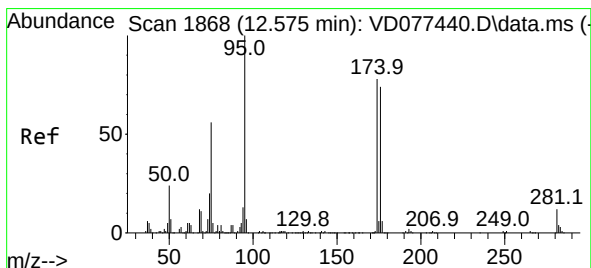
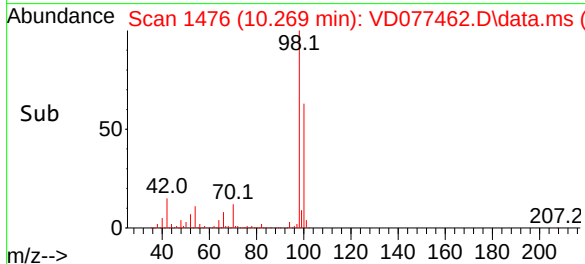
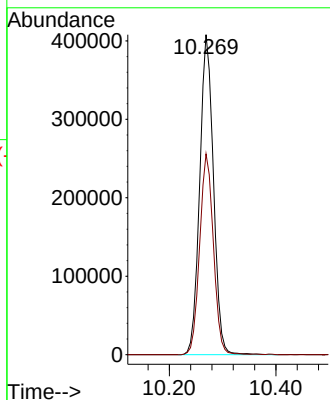
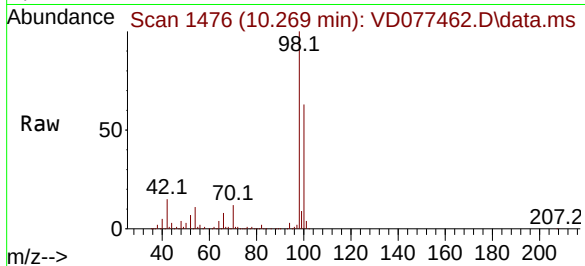




#50
Toluene-d8
Concen: 49.364 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

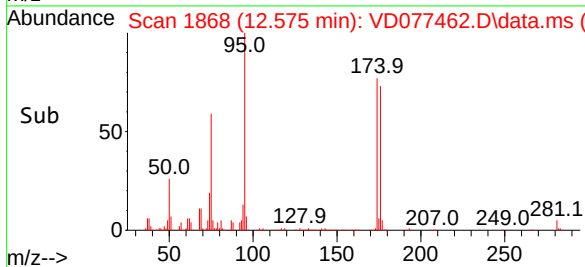
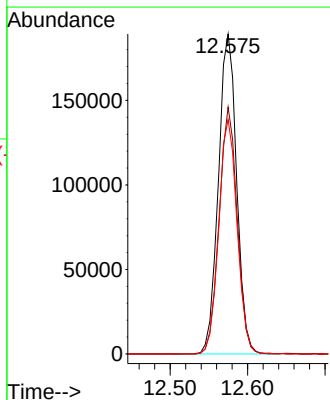
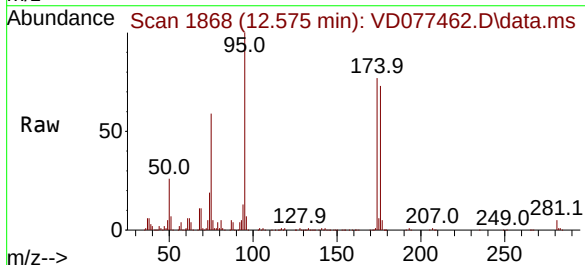
Instrument :
MSVOA_D
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PE-5

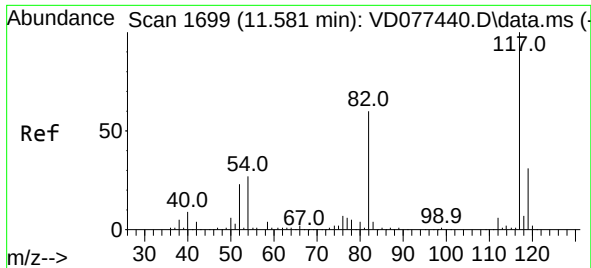
Tgt Ion: 98 Resp: 728499
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 62.443 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion: 95 Resp: 310375
Ion Ratio Lower Upper
95 100
174 76.5 0.0 201.8
176 73.4 0.0 191.8

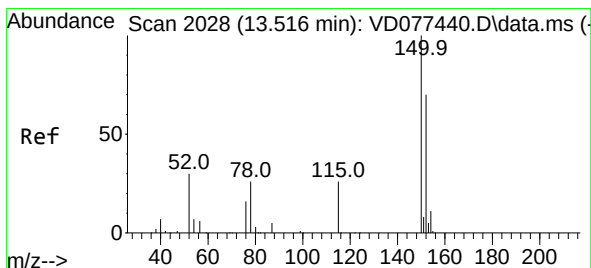
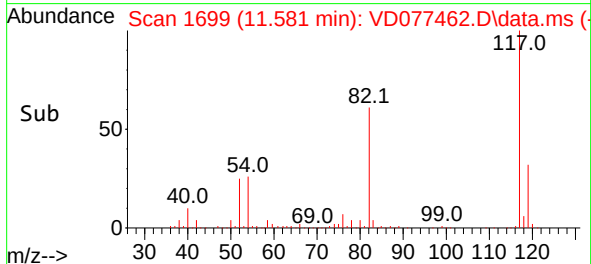
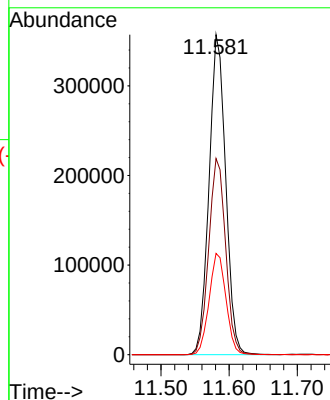
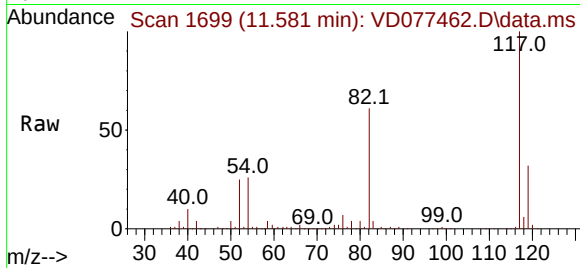




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Instrument :
MSVOA_D
ClientSampleId :
PE-5

Tgt Ion:117 Resp: 606509
Ion Ratio Lower Upper
117 100
82 61.3 38.3 57.5#
119 31.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion:152 Resp: 306942
Ion Ratio Lower Upper
152 100
115 61.4 27.1 81.3
150 158.1 0.0 353.6

