

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020723\
 Data File : VD075260.D
 Acq On : 07 Feb 2023 13:07
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Feb 08 04:31:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:25:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	85269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	147094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	140608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	64570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42738	42.744	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.480%
35) Dibromofluoromethane	7.810	113	44272	42.923	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.840%
50) Toluene-d8	10.269	98	174636	44.647	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.300%
62) 4-Bromofluorobenzene	12.575	95	59726	46.308	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.620%

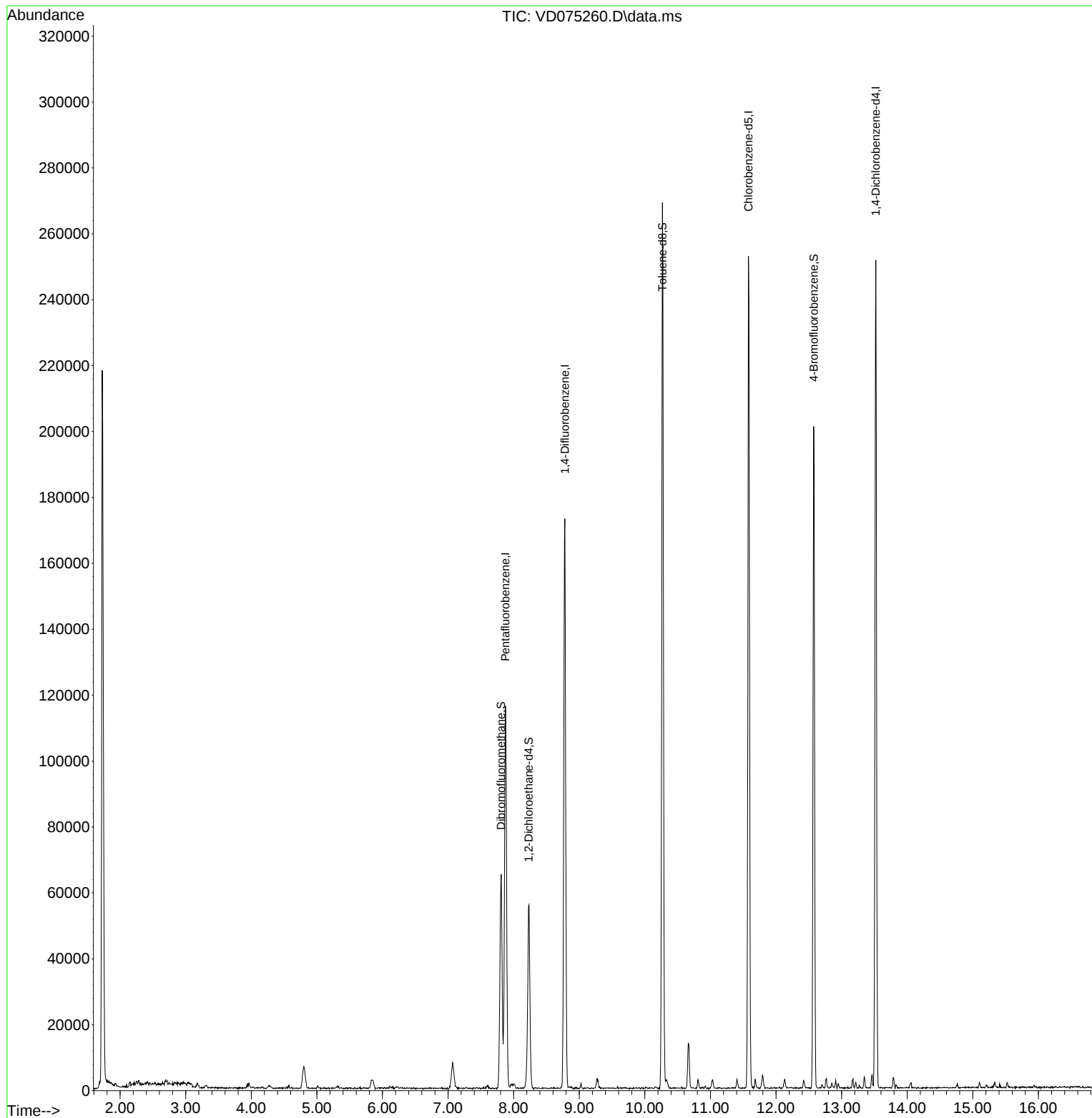
Target Compounds Qvalue

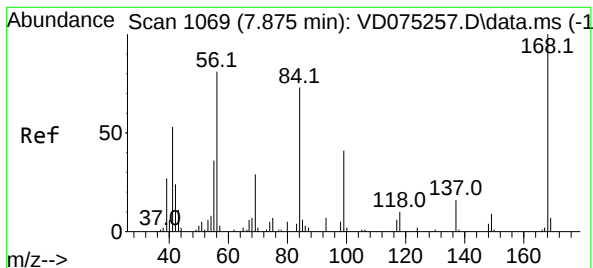
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD075260.D

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Instrument :

MSVOA_D

ClientSampleId :

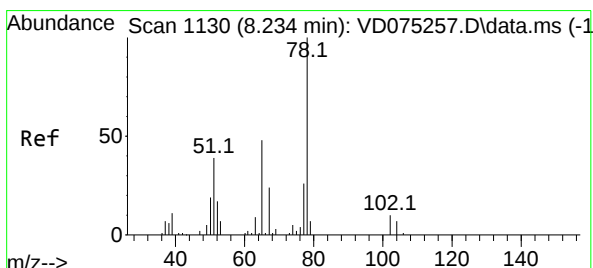
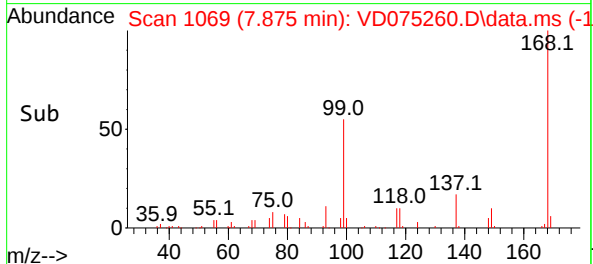
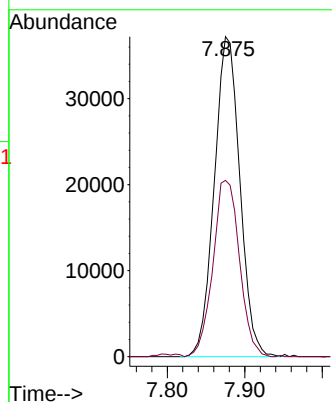
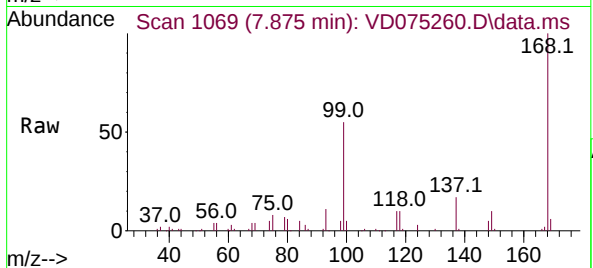
VIBLK

Tgt Ion:168 Resp: 85269

Ion Ratio Lower Upper

168 100

99 54.7 45.2 67.8



#33

1,2-Dichloroethane-d4

Concen: 42.744 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075260.D

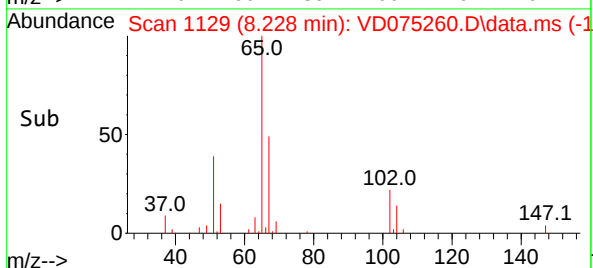
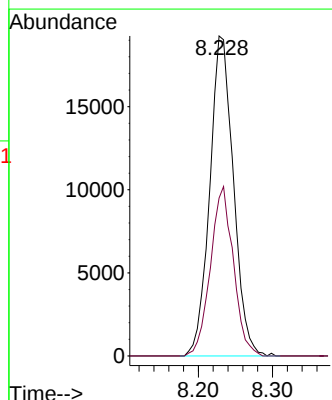
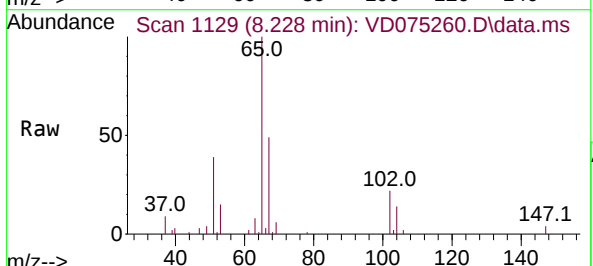
Acq: 07 Feb 2023 13:07

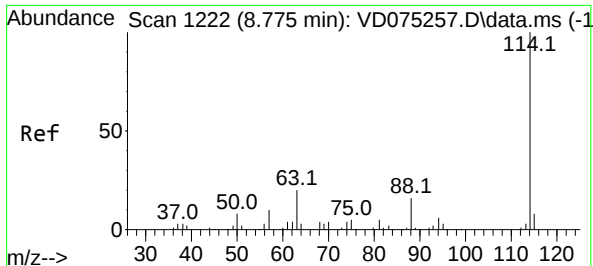
Tgt Ion: 65 Resp: 42738

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD075260.D

Acq: 07 Feb 2023 13:07

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

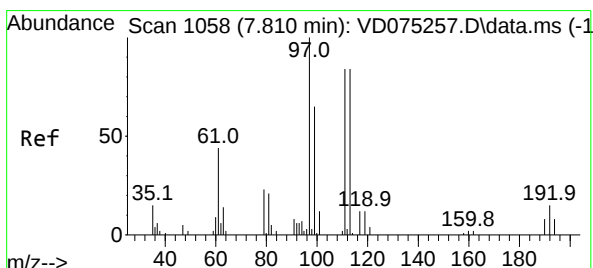
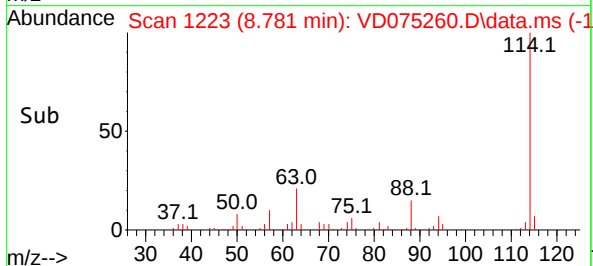
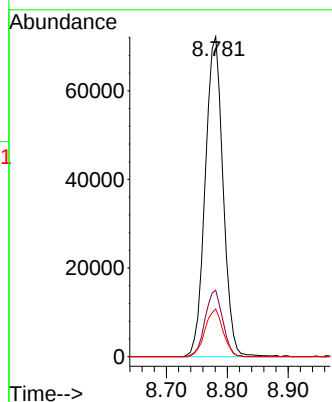
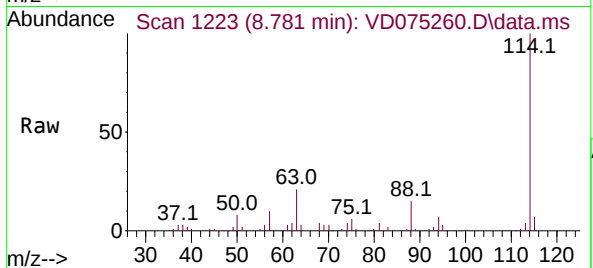
Tgt Ion:114 Resp: 147094

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 42.923 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075260.D

Acq: 07 Feb 2023 13:07

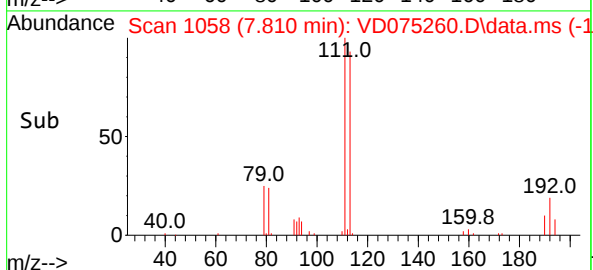
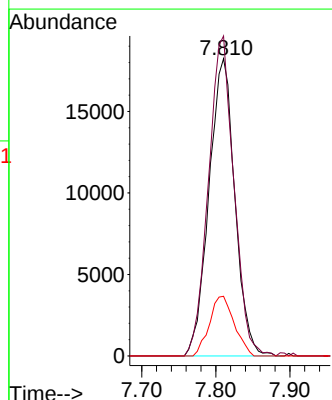
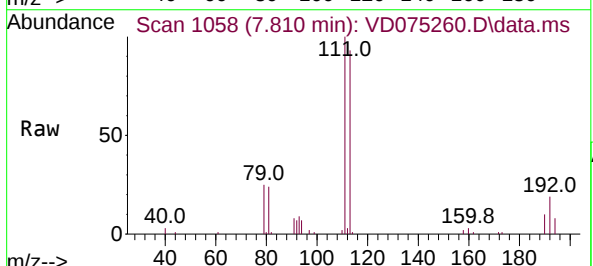
Tgt Ion:113 Resp: 44272

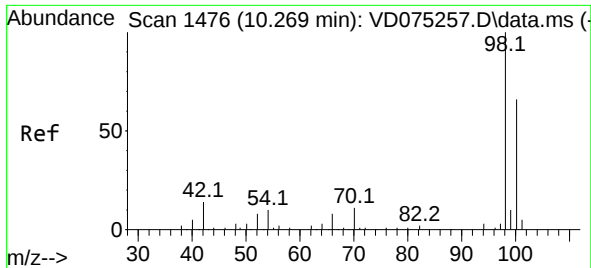
Ion Ratio Lower Upper

113 100

111 105.6 80.1 120.1

192 19.2 15.4 23.0

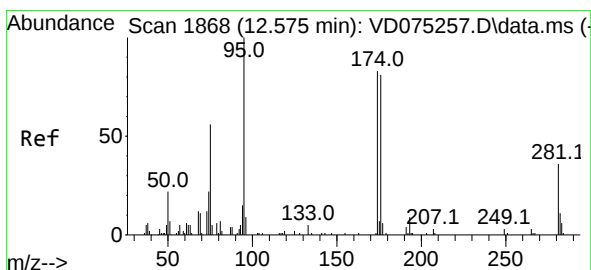
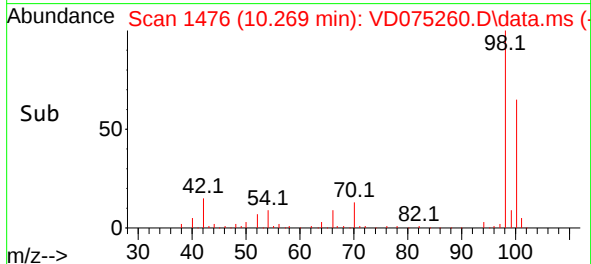
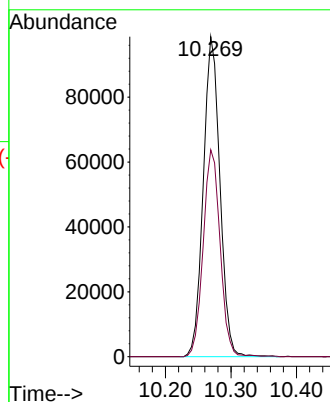
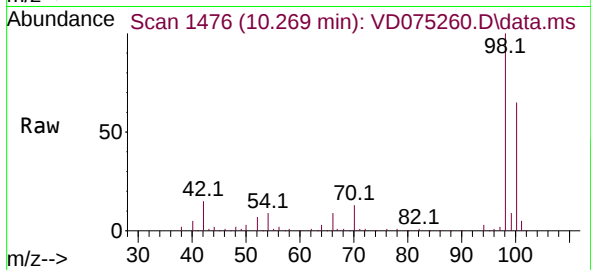




#50
Toluene-d8
Concen: 44.647 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075260.D
Acq: 07 Feb 2023 13:07

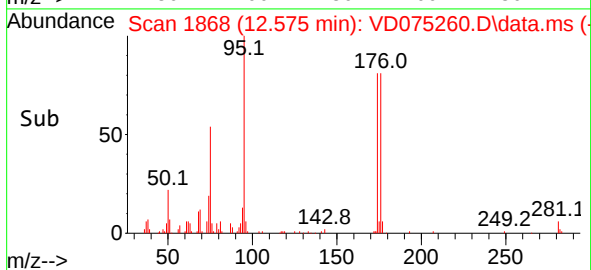
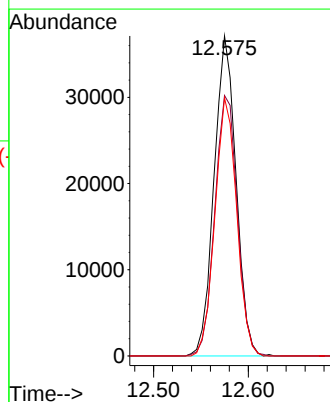
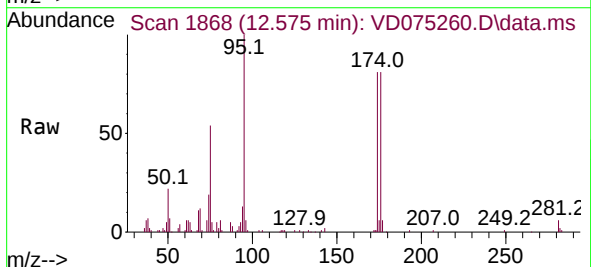
Instrument :
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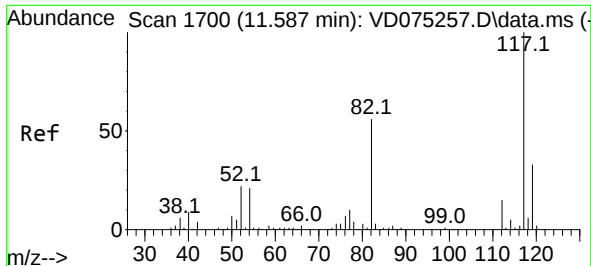
Tgt Ion: 98 Resp: 174636
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 46.308 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075260.D
Acq: 07 Feb 2023 13:07

Tgt Ion: 95 Resp: 59726
Ion Ratio Lower Upper
95 100
174 83.8 0.0 161.2
176 80.0 0.0 160.2

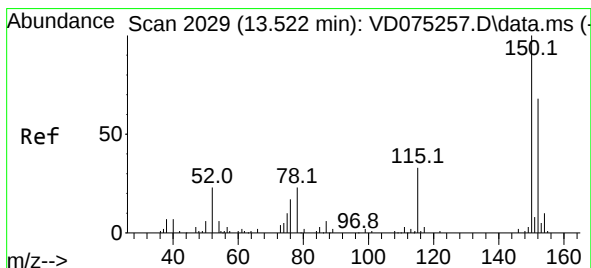
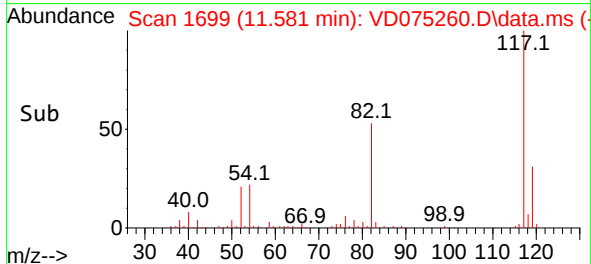
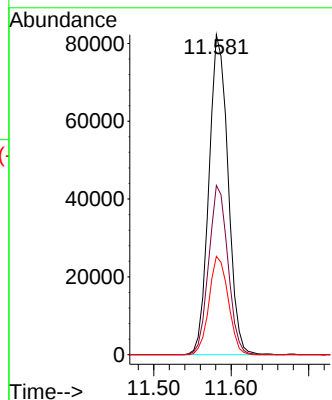
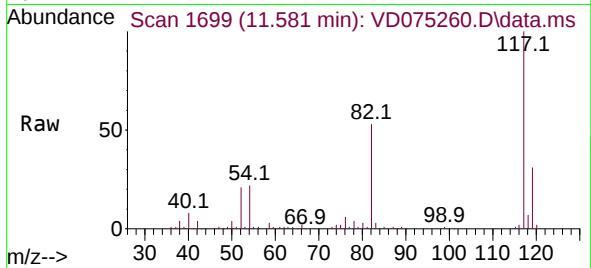




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075260.D
Acq: 07 Feb 2023 13:07

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 140608
Ion Ratio Lower Upper
117 100
82 52.9 39.6 59.4
119 30.8 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075260.D
Acq: 07 Feb 2023 13:07

Tgt Ion:152 Resp: 64570
Ion Ratio Lower Upper
152 100
115 59.3 28.8 86.4
150 157.2 0.0 348.6

