

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077860.D
 Acq On : 13 Dec 2023 14:17
 Operator : RP/MD
 Sample : 05745-03
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1-VOC

Quant Time: Dec 13 14:18:24 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	188971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	333219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	302198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	123123	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79781	35.828	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.660%
35) Dibromofluoromethane	7.810	113	92239	39.518	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.040%
50) Toluene-d8	10.275	98	422643	45.211	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.420%
62) 4-Bromofluorobenzene	12.575	95	109796	39.284	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.560%

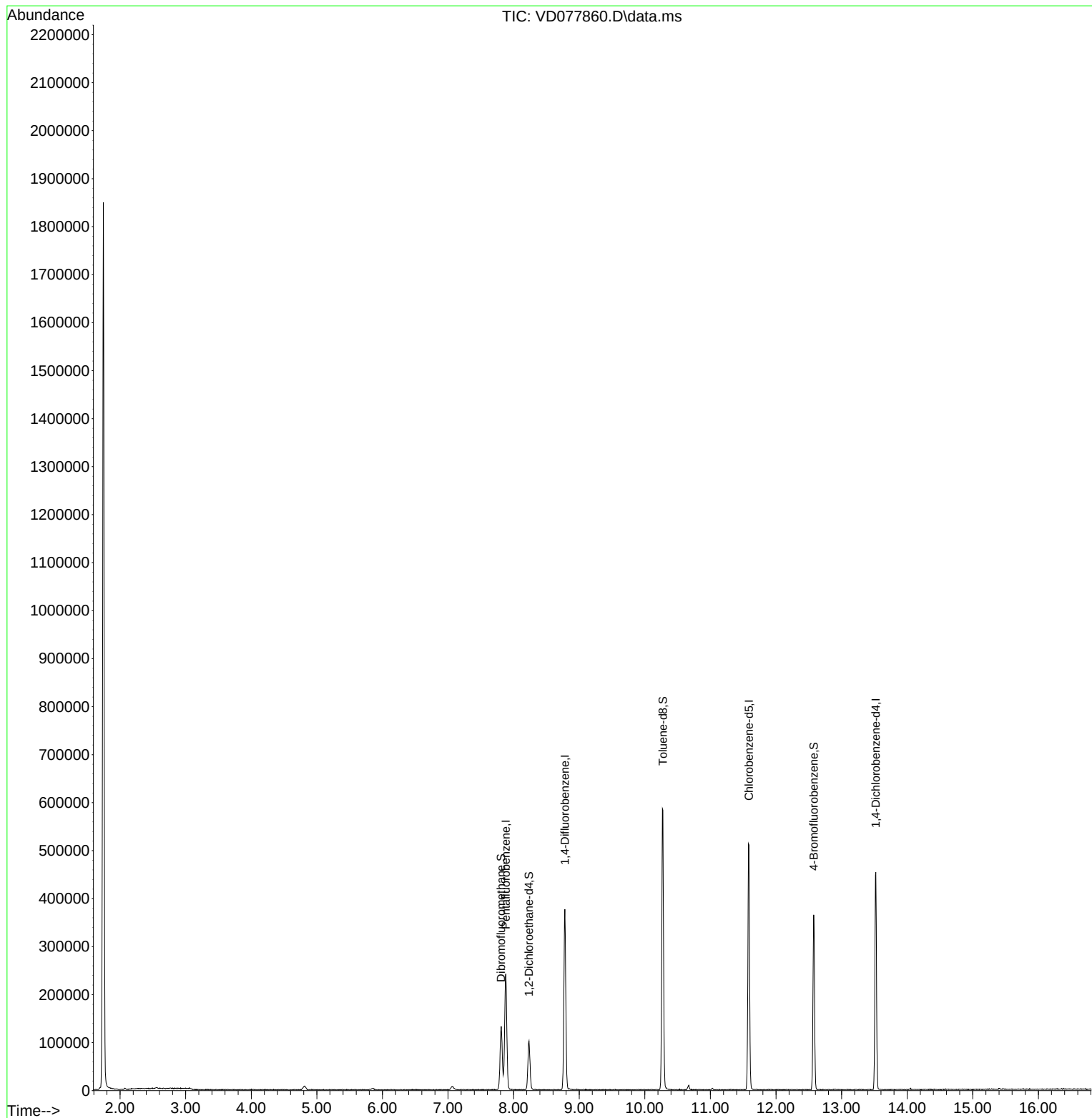
Target Compounds	Qvalue

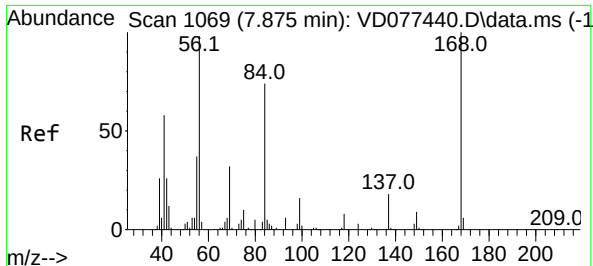
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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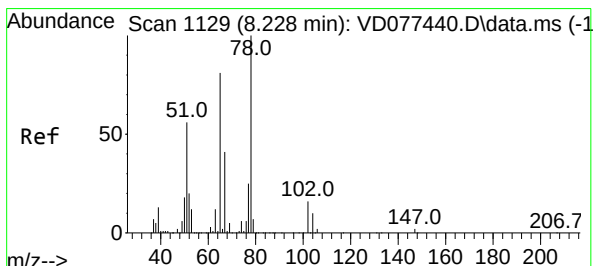
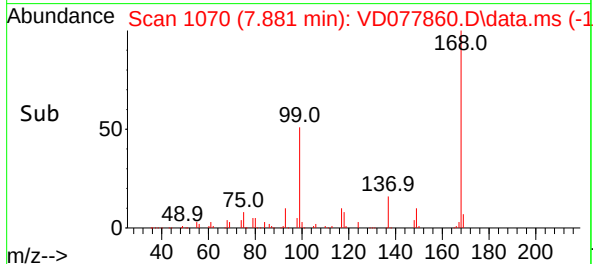
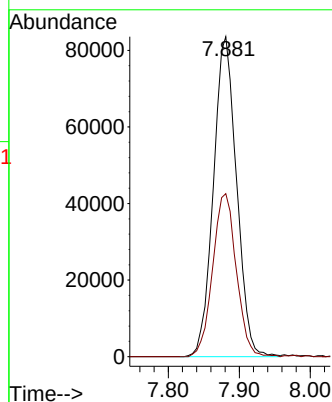
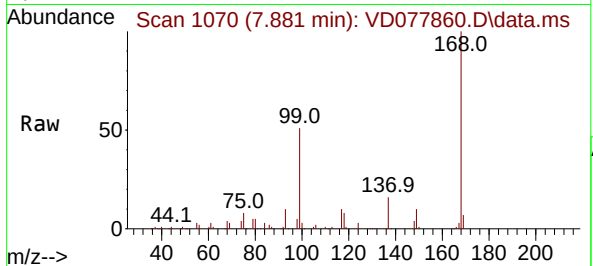




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077860.D
Acq: 13 Dec 2023 14:17

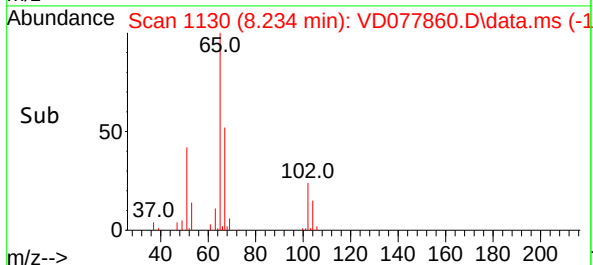
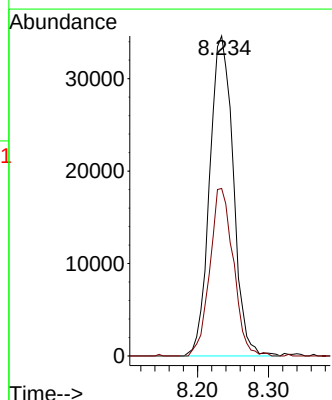
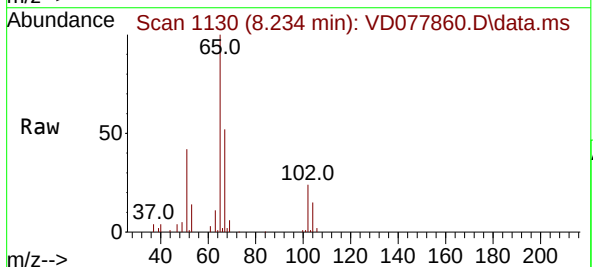
Instrument :
MSVOA_D
ClientSampleId :
WC-1-VOC

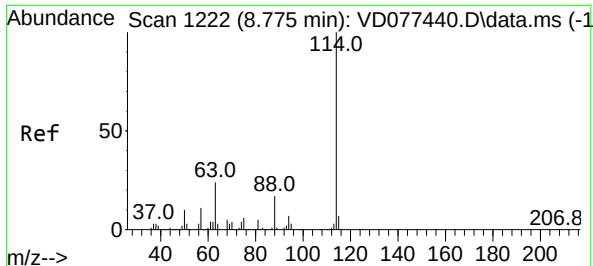
Tgt Ion:168 Resp: 188971
Ion Ratio Lower Upper
168 100
99 51.0 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 35.828 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077860.D
Acq: 13 Dec 2023 14:17

Tgt Ion: 65 Resp: 79781
Ion Ratio Lower Upper
65 100
67 52.3 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: VD077860.D

Acq: 13 Dec 2023 14:17

Instrument :

MSVOA_D

ClientSampleId :

WC-1-VOC

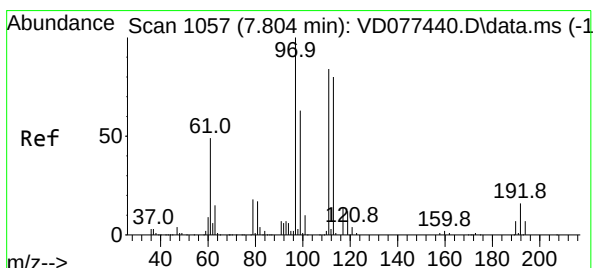
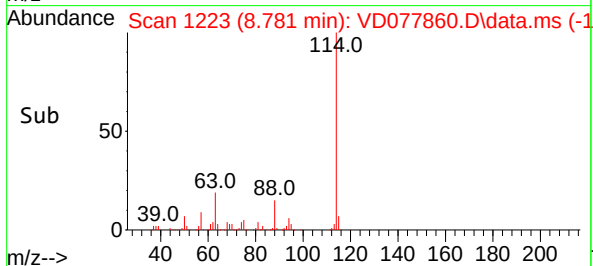
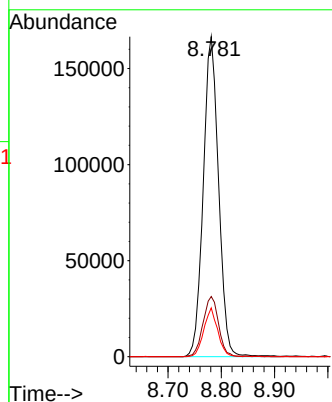
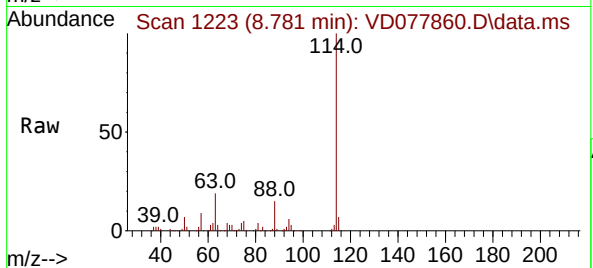
Tgt Ion:114 Resp: 333219

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 15.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 39.518 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077860.D

Acq: 13 Dec 2023 14:17

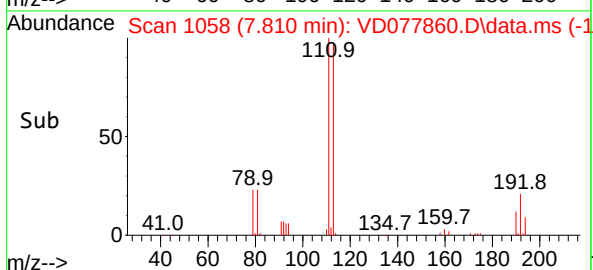
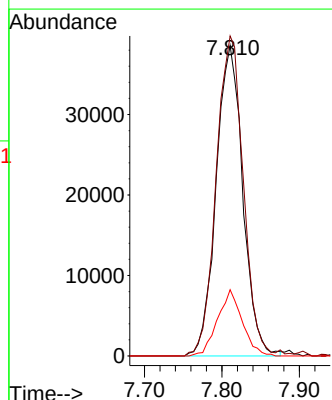
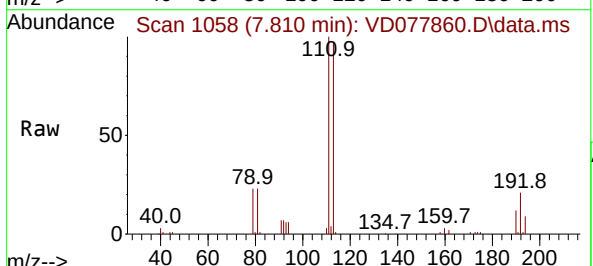
Tgt Ion:113 Resp: 92239

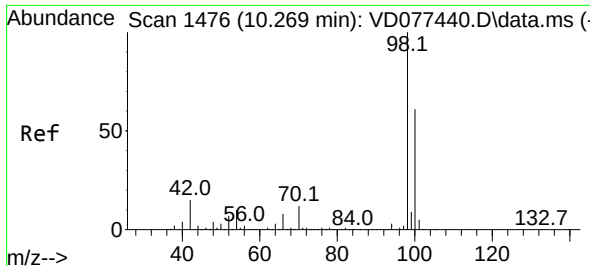
Ion Ratio Lower Upper

113 100

111 104.5 84.7 127.1

192 19.8 16.8 25.2

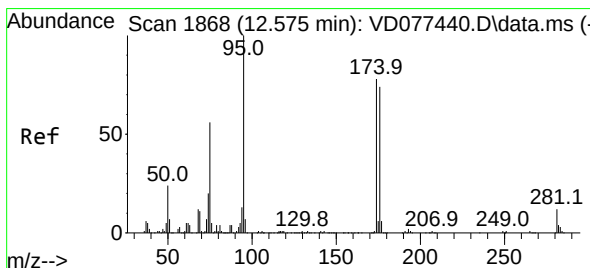
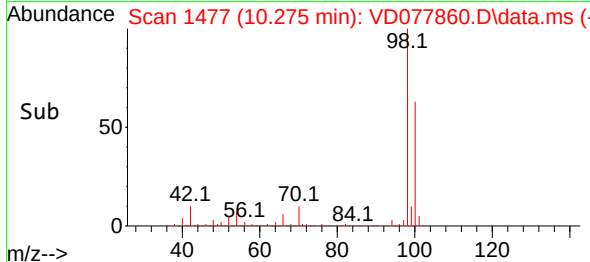
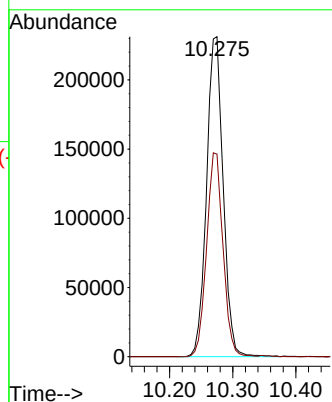
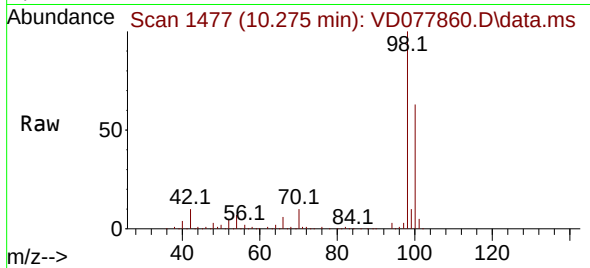




#50
Toluene-d8
Concen: 45.211 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD077860.D
Acq: 13 Dec 2023 14:17

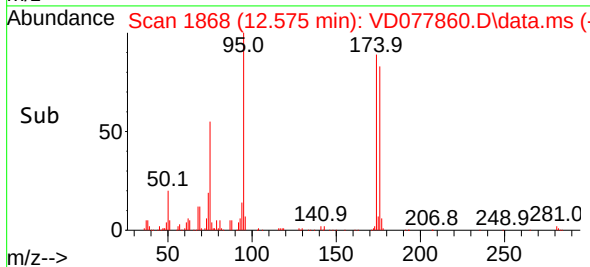
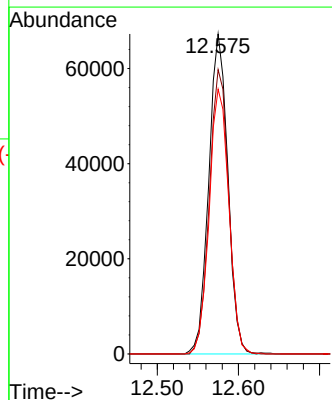
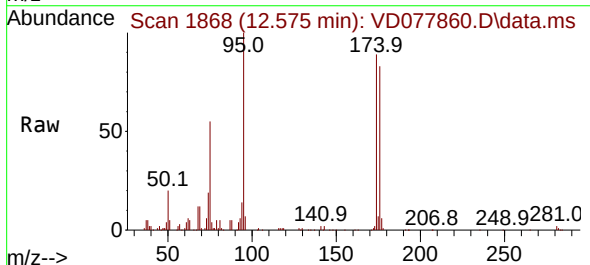
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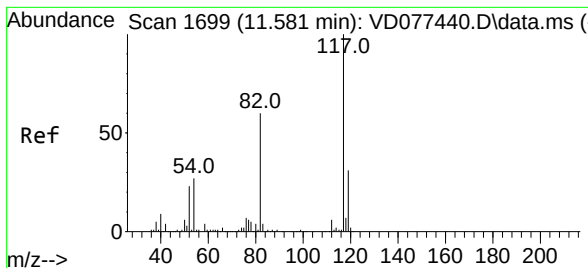
Tgt Ion: 98 Resp: 422643
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 39.284 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077860.D
Acq: 13 Dec 2023 14:17

Tgt Ion: 95 Resp: 109796
Ion Ratio Lower Upper
95 100
174 90.0 0.0 201.8
176 85.3 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077860.D

Acq: 13 Dec 2023 14:17

Instrument :

MSVOA_D

ClientSampleId :

WC-1-VOC

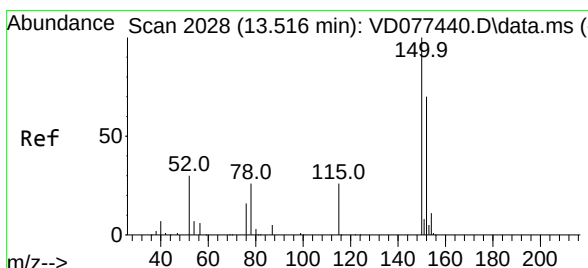
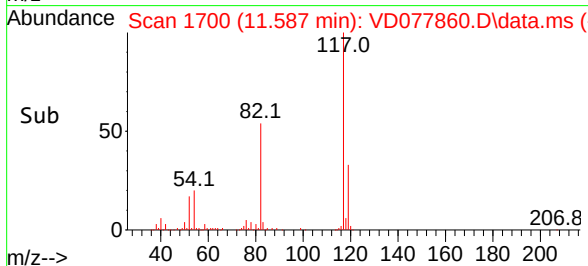
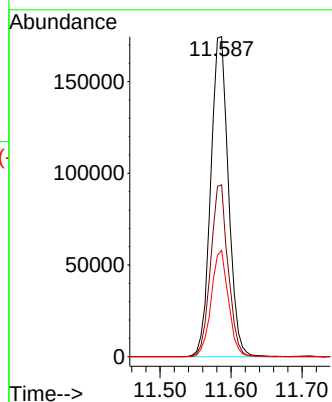
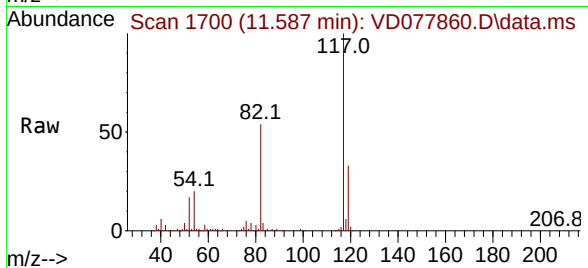
Tgt Ion:117 Resp: 302198

Ion Ratio Lower Upper

117 100

82 53.7 38.3 57.5

119 33.2 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: VD077860.D

Acq: 13 Dec 2023 14:17

Tgt Ion:152 Resp: 123123

Ion Ratio Lower Upper

152 100

115 56.9 27.1 81.3

150 157.0 0.0 353.6

