

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077417.D
 Acq On : 25 Oct 2023 16:34
 Operator : JC/SY
 Sample : 05021-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 350

Quant Time: Oct 26 07:01:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

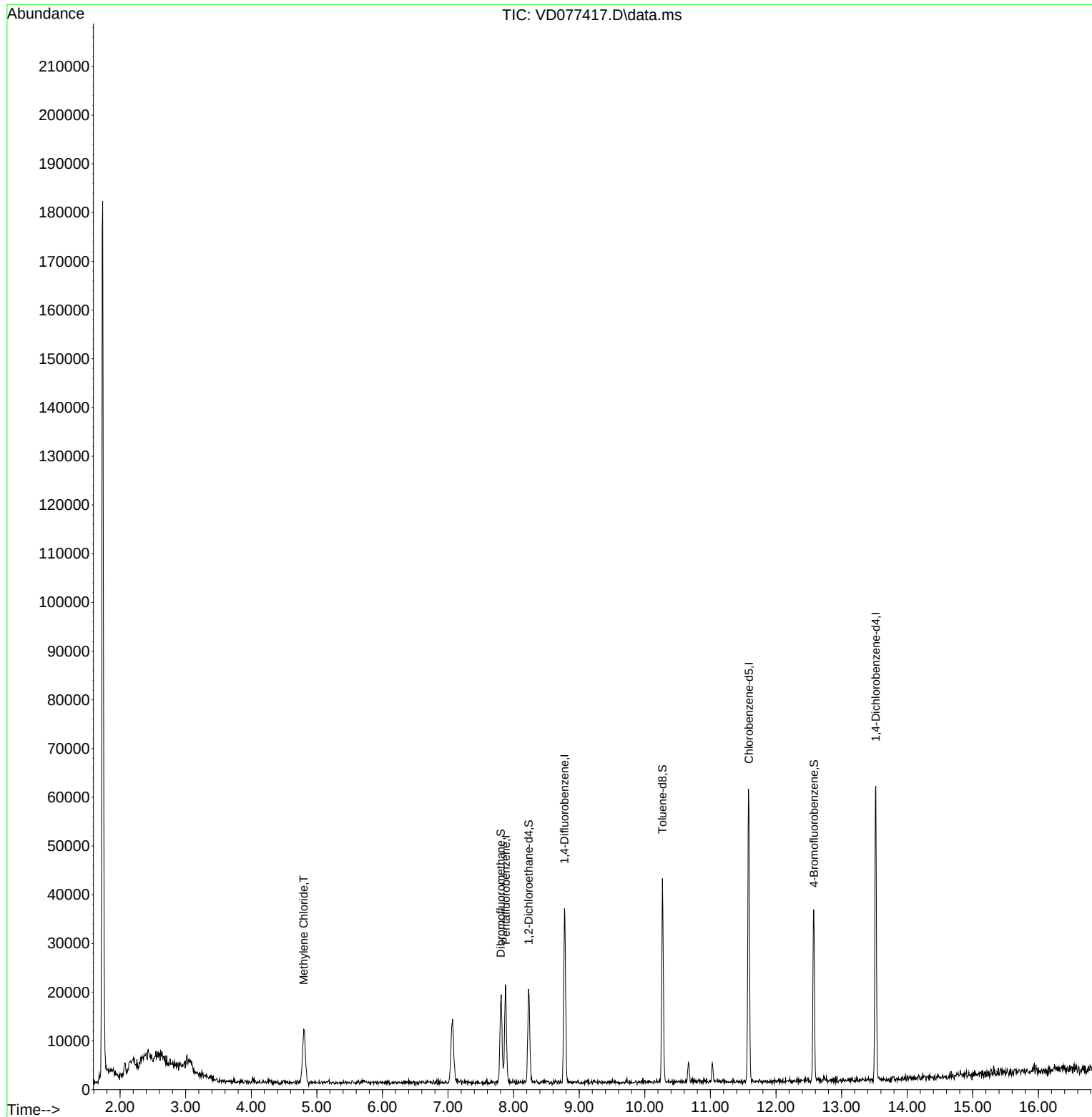
Internal Standards						
1) Pentafluorobenzene	7.881	168	15746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	34756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	39450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	17593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	14902	105.987	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	211.980	%#
35) Dibromofluoromethane	7.805	113	13565	55.554	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	111.100	%
50) Toluene-d8	10.269	98	29092	33.268	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	66.540	%
62) 4-Bromofluorobenzene	12.581	95	10889	43.258	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	86.520	%
Target Compounds						
20) Methylene Chloride	4.799	84	10678	57.983	ug/l	Qvalue 95

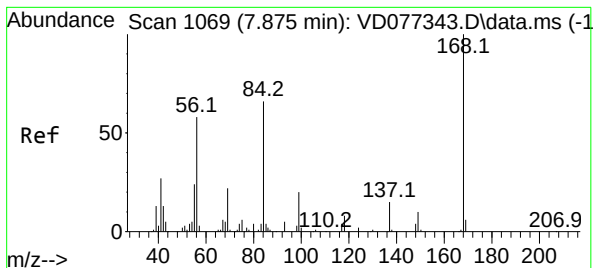
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

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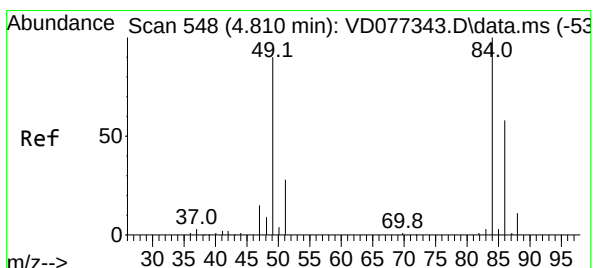
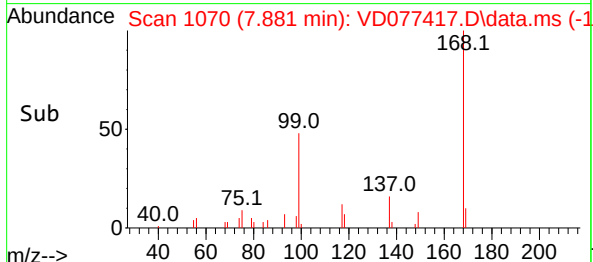
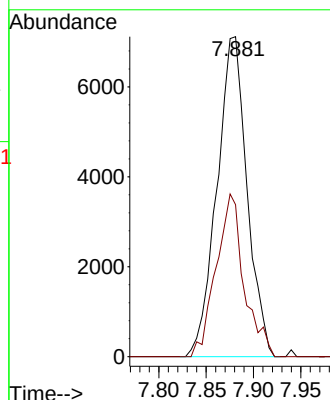
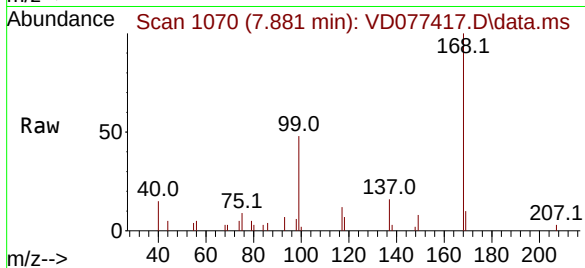
350

Tgt Ion:168 Resp: 15746

Ion Ratio Lower Upper

168 100

99 47.5 36.7 55.1



#20

Methylene Chloride

Concen: 57.983 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.011 min

Lab File: VD077417.D

Acq: 25 Oct 2023 16:34

Tgt Ion: 84 Resp: 10678

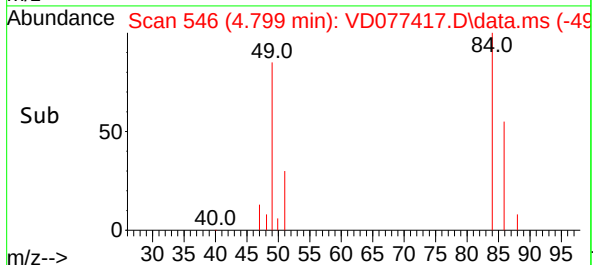
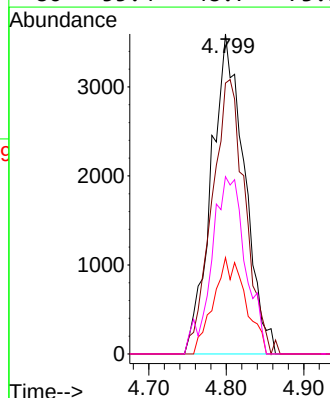
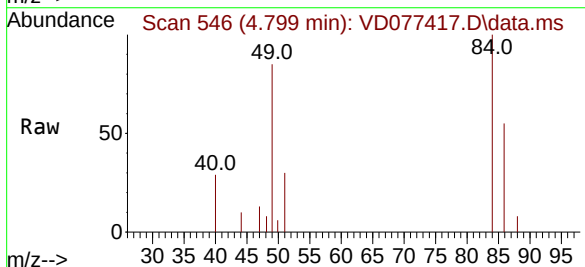
Ion Ratio Lower Upper

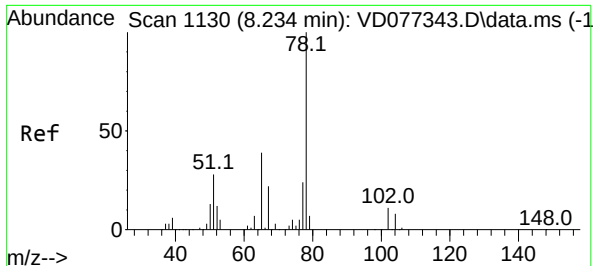
84 100

49 84.7 71.4 107.2

51 30.1 24.5 36.7

86 55.4 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 105.987 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

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MSVOA_D

ClientSampleId :

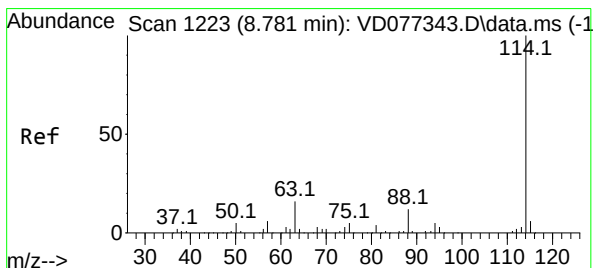
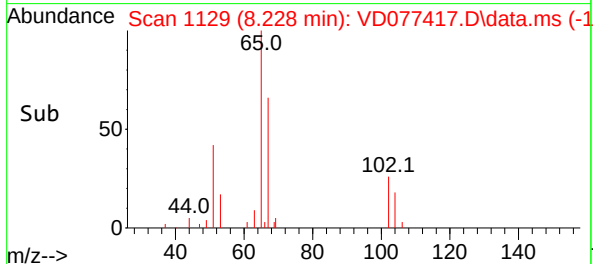
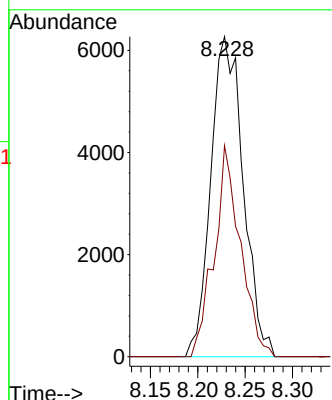
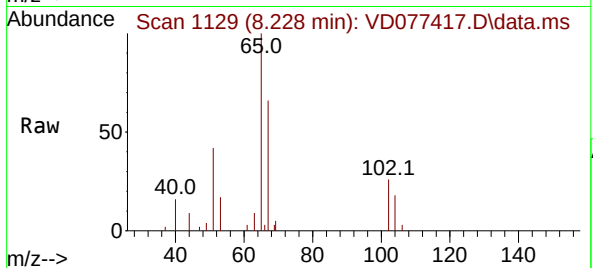
350

Tgt Ion: 65 Resp: 14902

Ion Ratio Lower Upper

65 100

67 53.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077417.D

Acq: 25 Oct 2023 16:34

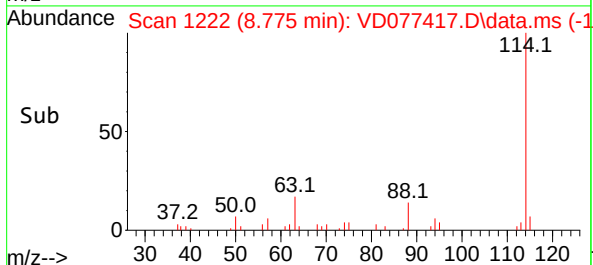
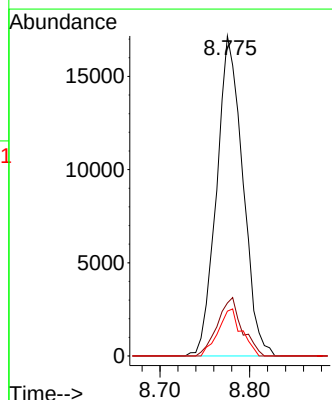
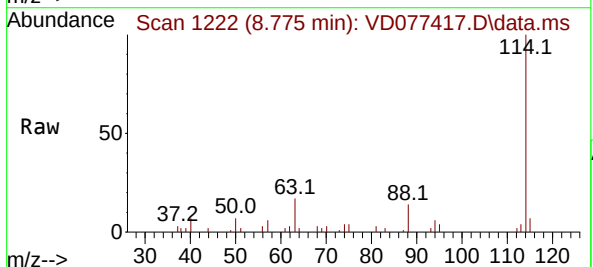
Tgt Ion: 114 Resp: 34756

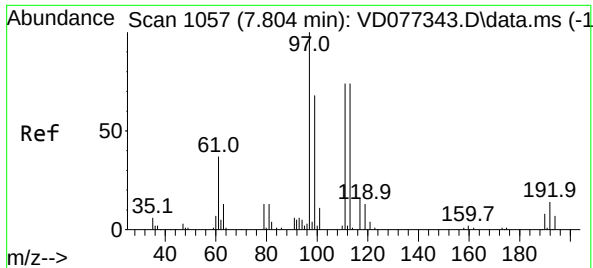
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 14.0 0.0 26.2

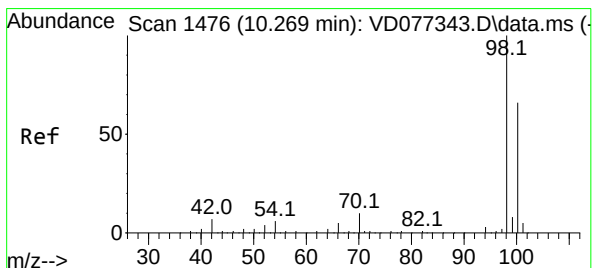
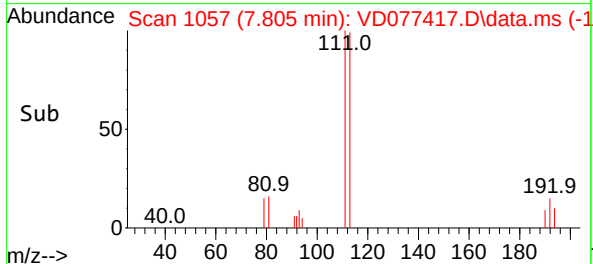
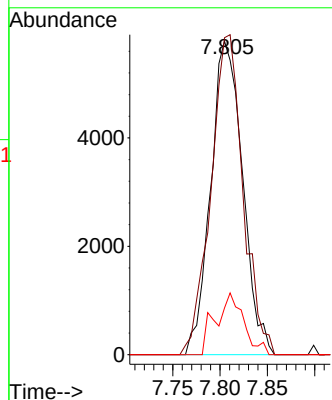
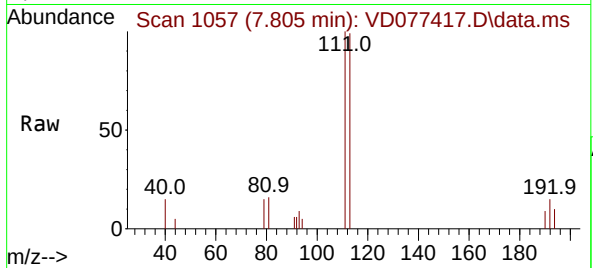




#35
 Dibromofluoromethane
 Concen: 55.554 ug/l
 RT: 7.805 min Scan# 1057
 Delta R.T. 0.001 min
 Lab File: VD077417.D
 Acq: 25 Oct 2023 16:34

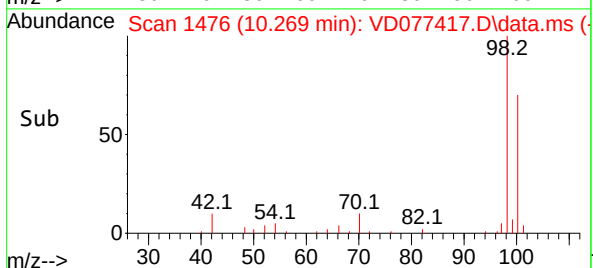
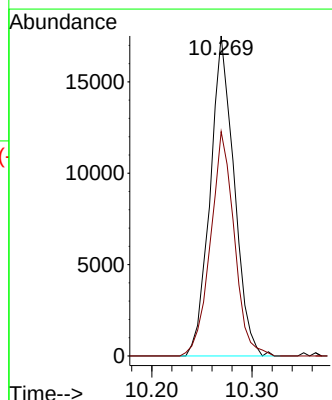
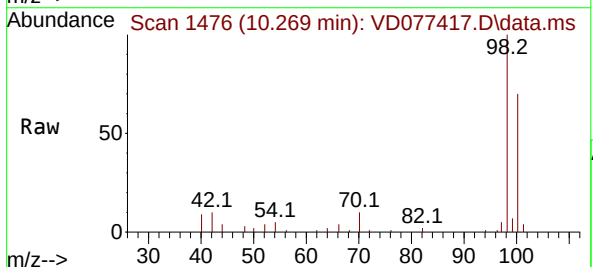
Instrument :
 MSVOA_D
 ClientSampleId :
 350

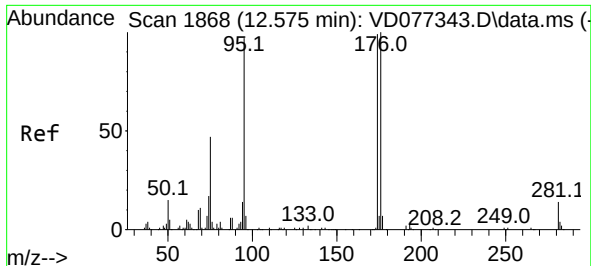
Tgt Ion:113 Resp: 13565
 Ion Ratio Lower Upper
 113 100
 111 102.7 84.7 127.1
 192 17.4 16.8 25.2



#50
 Toluene-d8
 Concen: 33.268 ug/l
 RT: 10.269 min Scan# 1476
 Delta R.T. 0.000 min
 Lab File: VD077417.D
 Acq: 25 Oct 2023 16:34

Tgt Ion: 98 Resp: 29092
 Ion Ratio Lower Upper
 98 100
 100 69.4 50.3 75.5

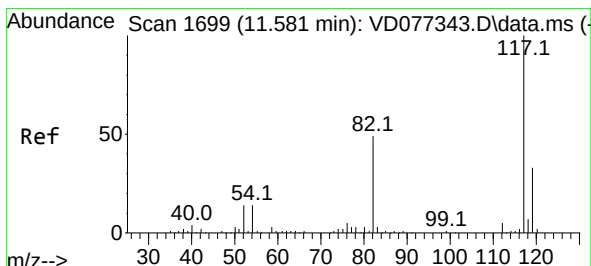
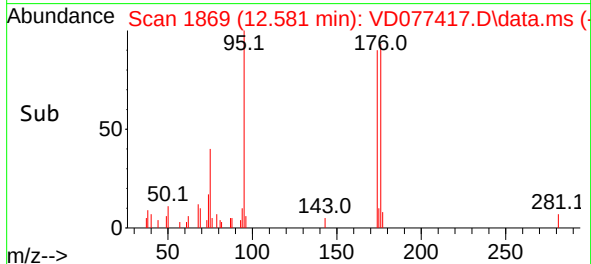
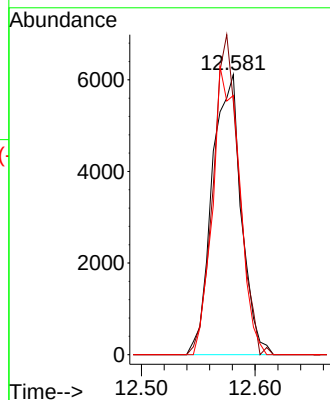
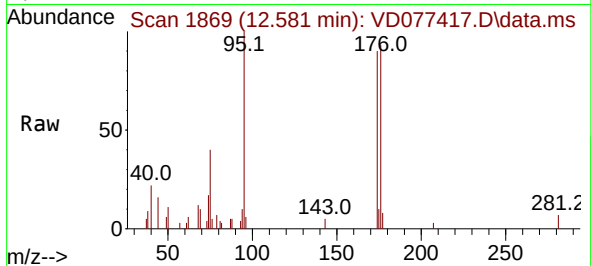




#62
4-Bromofluorobenzene
Concen: 43.258 ug/l
RT: 12.581 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077417.D
Acq: 25 Oct 2023 16:34

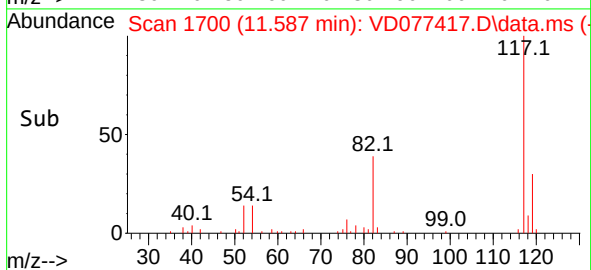
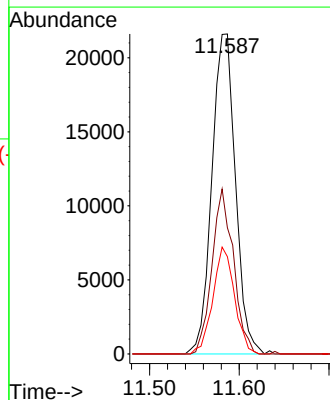
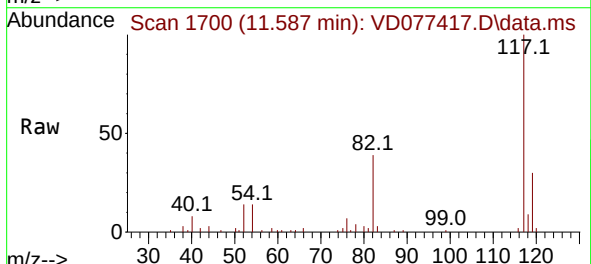
Instrument :
MSVOA_D
ClientSampleId :
350

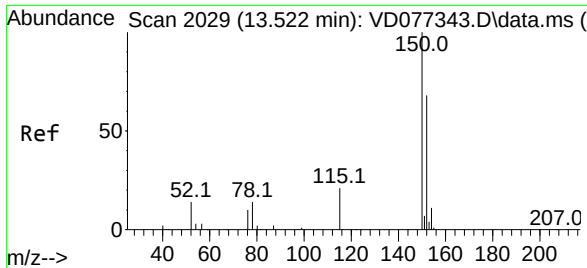
Tgt Ion: 95 Resp: 10889
Ion Ratio Lower Upper
95 100
174 101.9 0.0 201.8
176 95.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077417.D
Acq: 25 Oct 2023 16:34

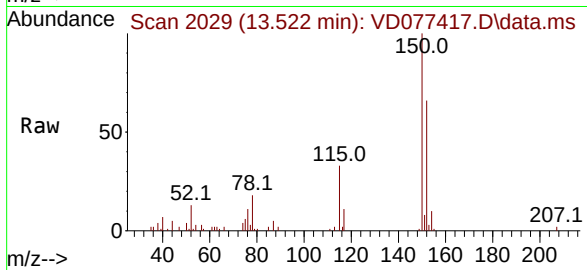
Tgt Ion: 117 Resp: 39450
Ion Ratio Lower Upper
117 100
82 39.5 38.3 57.5
119 30.4 25.0 37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077417.D
 Acq: 25 Oct 2023 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 350



Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.1	81.3
150	161.8	0.0	353.6

