

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077414.D
 Acq On : 25 Oct 2023 15:13
 Operator : JC/SY
 Sample : 05012-01RE
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-10232023RE

Quant Time: Oct 26 07:00:20 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)

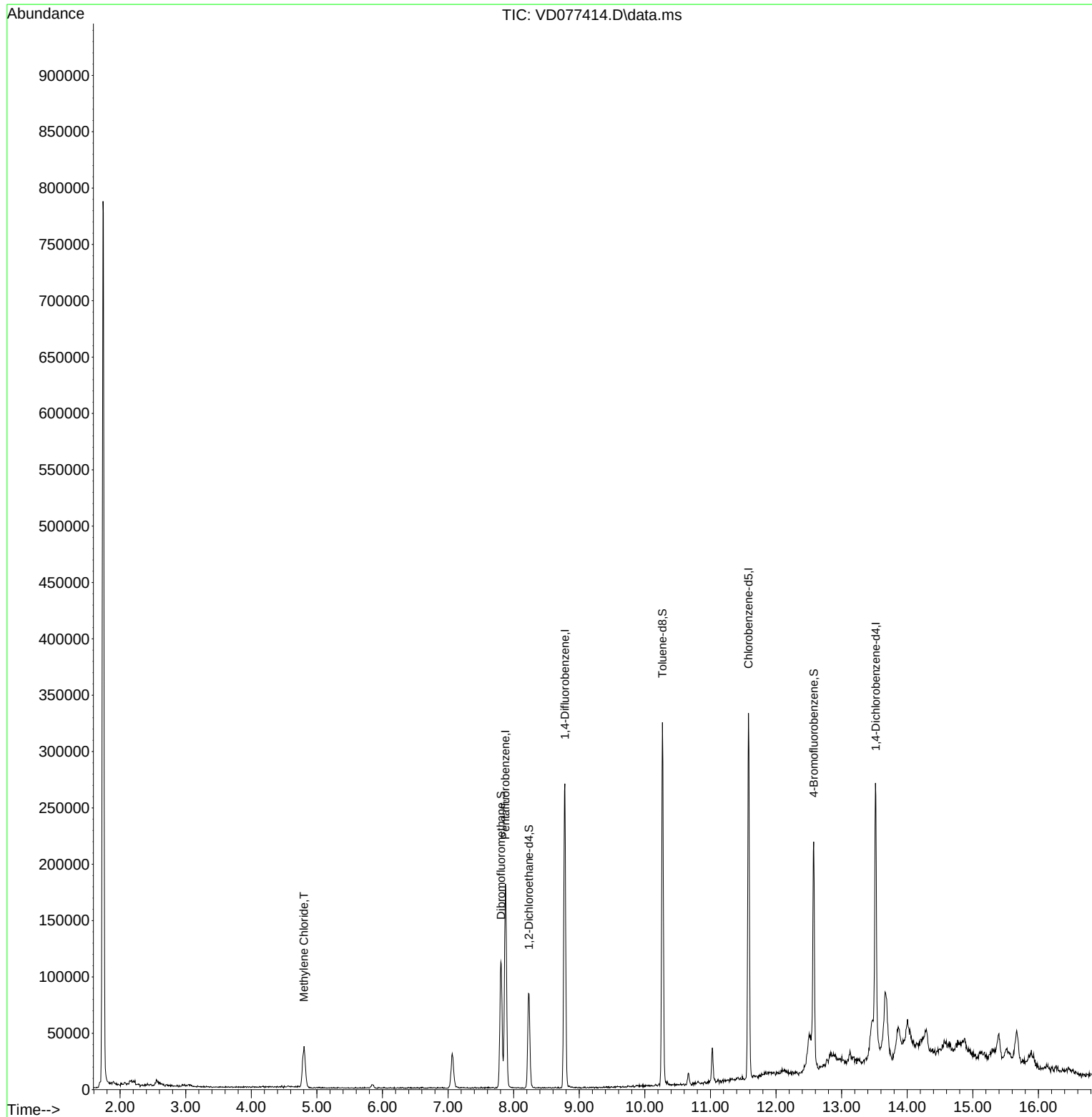
Internal Standards						
1) Pentafluorobenzene	7.875	168	147669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	259444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	207001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	64166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66942	50.768	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.540%
35) Dibromofluoromethane	7.810	113	83851	46.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.000%
50) Toluene-d8	10.269	98	231676	35.491	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	70.980%
62) 4-Bromofluorobenzene	12.575	95	58349	31.052	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.100%
Target Compounds						
20) Methylene Chloride	4.805	84	32259	15.103	ug/l	Qvalue 93

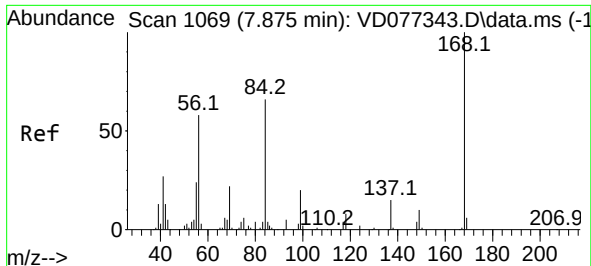
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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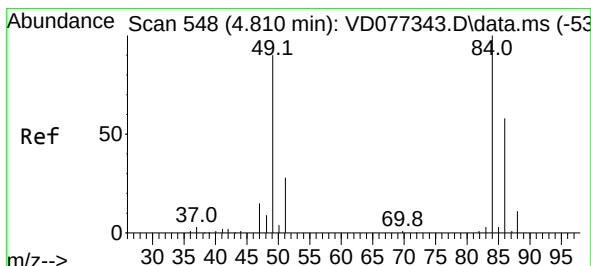
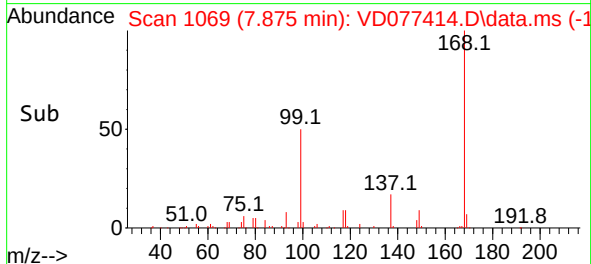
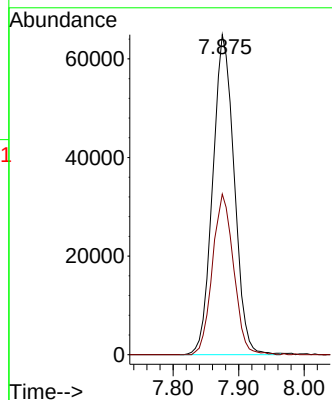
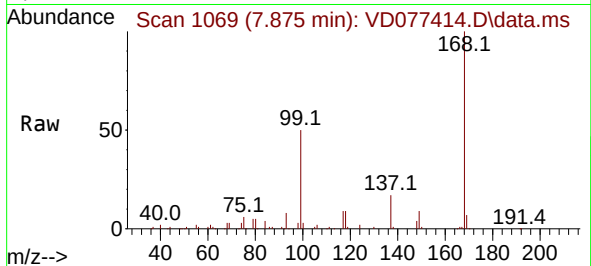




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

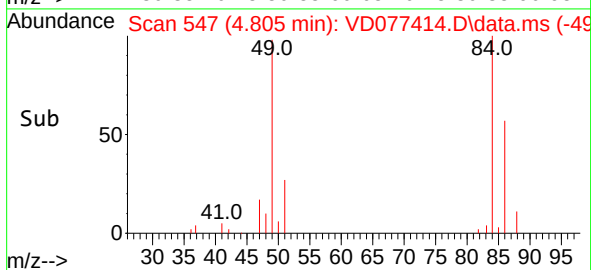
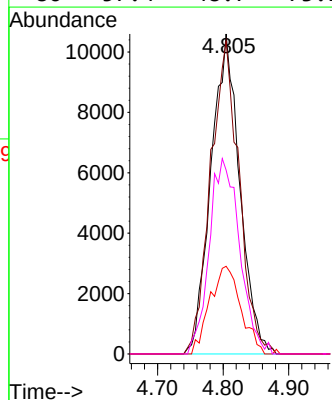
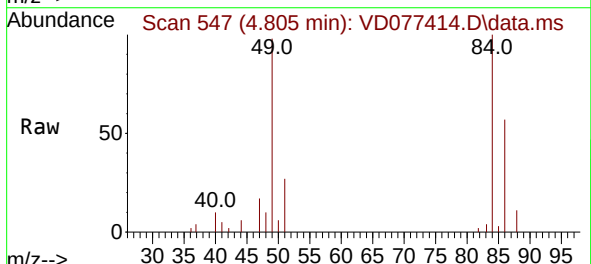
Instrument :
MSVOA_D
ClientSampleId :
BU-03-10232023RE

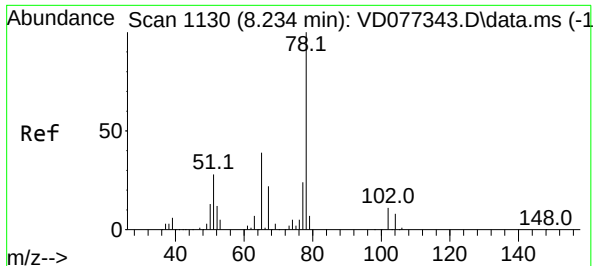
Tgt Ion:168 Resp: 147669
Ion Ratio Lower Upper
168 100
99 50.2 36.7 55.1



#20
Methylene Chloride
Concen: 15.103 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

Tgt Ion: 84 Resp: 32259
Ion Ratio Lower Upper
84 100
49 97.8 71.4 107.2
51 27.4 24.5 36.7
86 57.4 48.7 73.1

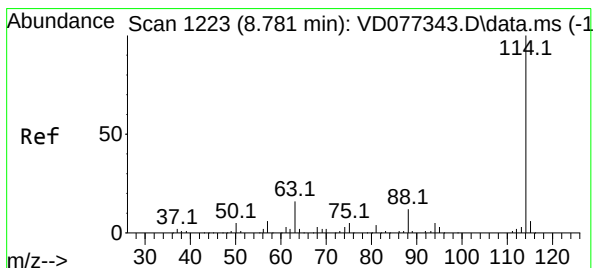
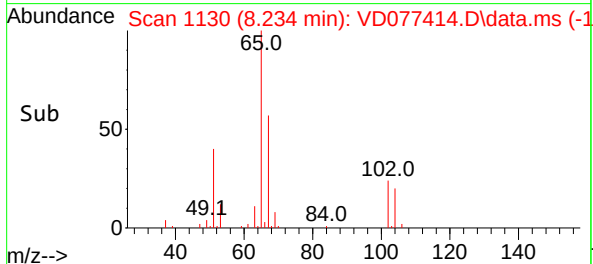
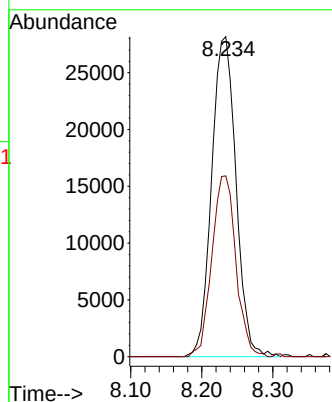
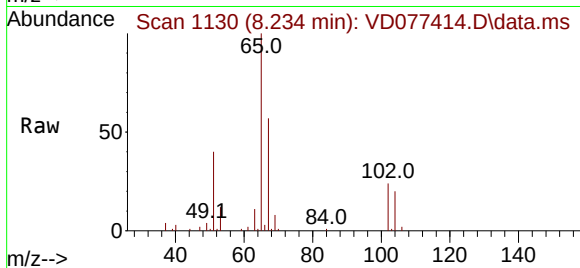




#33
 1,2-Dichloroethane-d4
 Concen: 50.768 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VD077414.D
 Acq: 25 Oct 2023 15:13

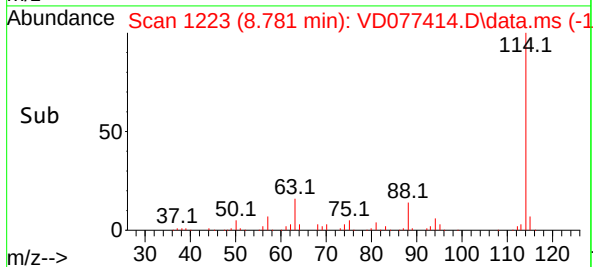
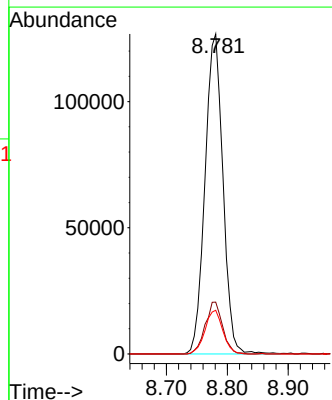
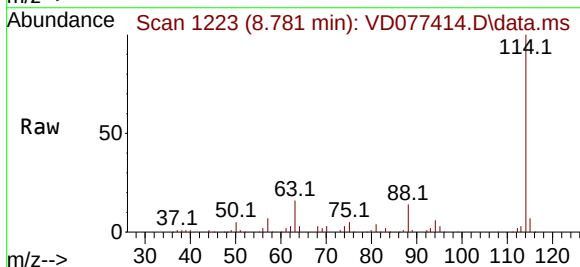
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-10232023RE

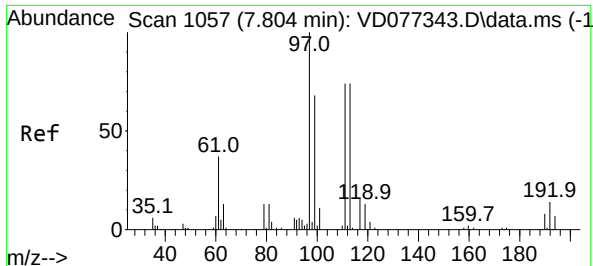
Tgt Ion: 65 Resp: 66942
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. -0.000 min
 Lab File: VD077414.D
 Acq: 25 Oct 2023 15:13

Tgt Ion: 114 Resp: 259444
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 33.4
 88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 46.004 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077414.D

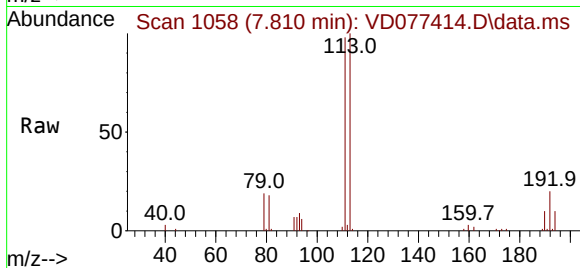
Acq: 25 Oct 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :

BU-03-10232023RE



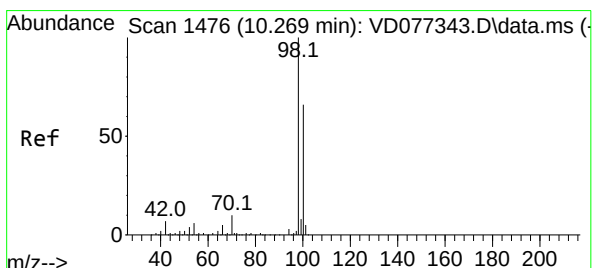
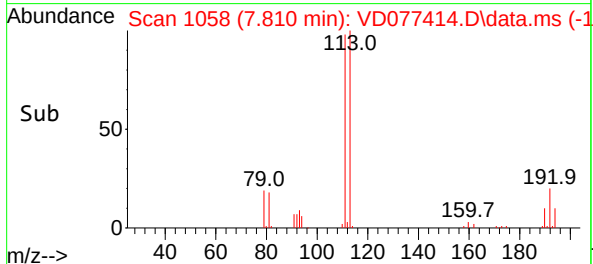
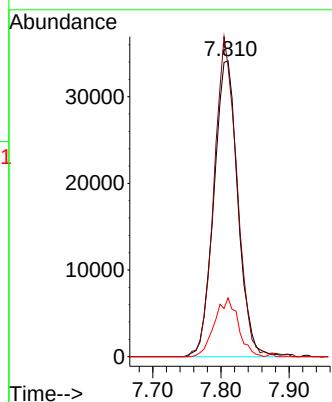
Tgt Ion:113 Resp: 83851

Ion Ratio Lower Upper

113 100

111 103.1 84.7 127.1

192 19.6 16.8 25.2



#50

Toluene-d8

Concen: 35.491 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077414.D

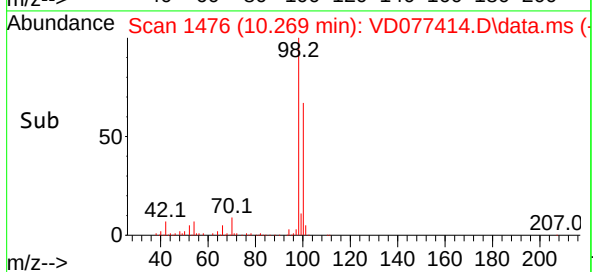
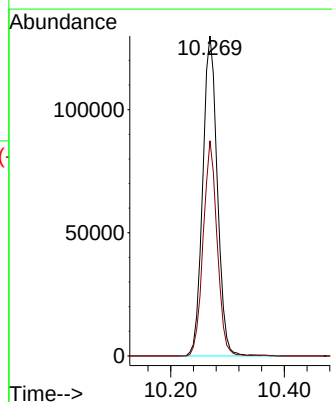
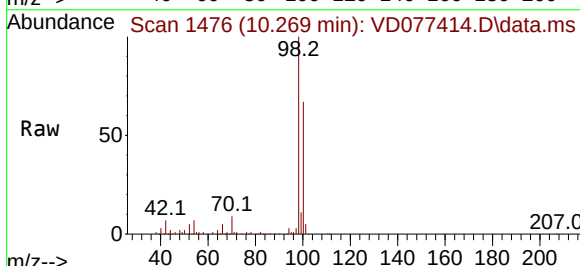
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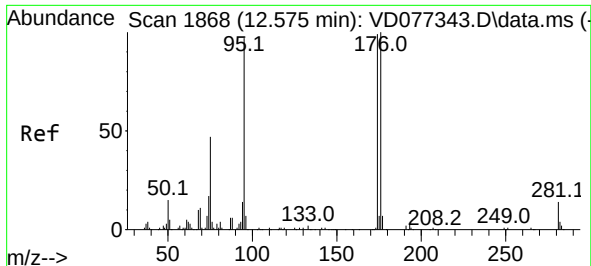
Tgt Ion: 98 Resp: 231676

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5

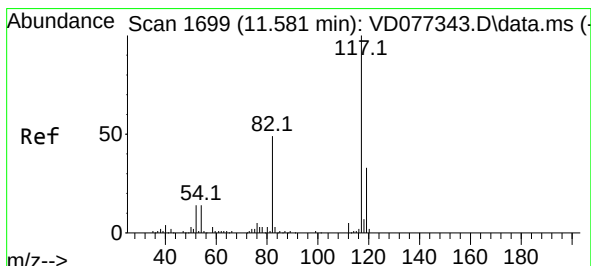
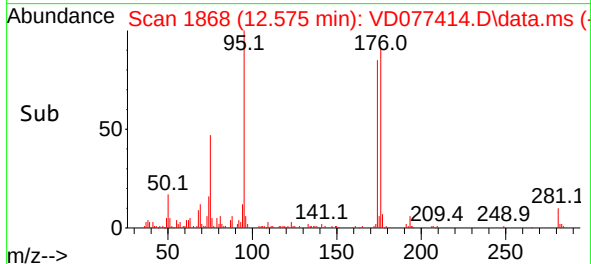
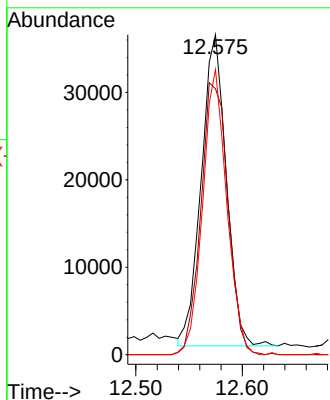
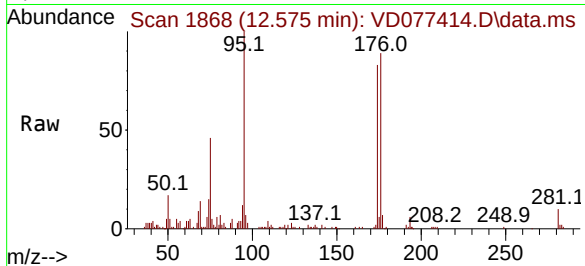




#62
4-Bromofluorobenzene
Concen: 31.052 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

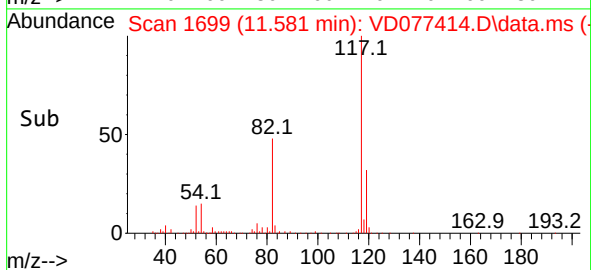
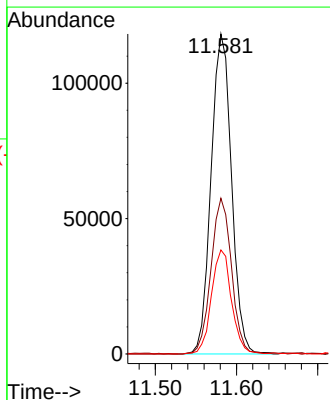
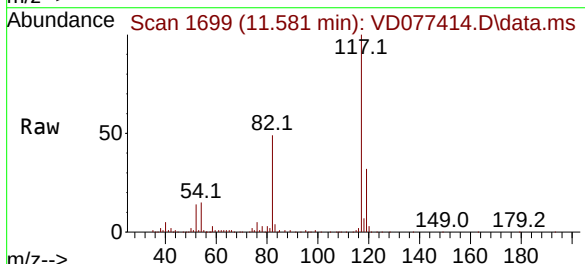
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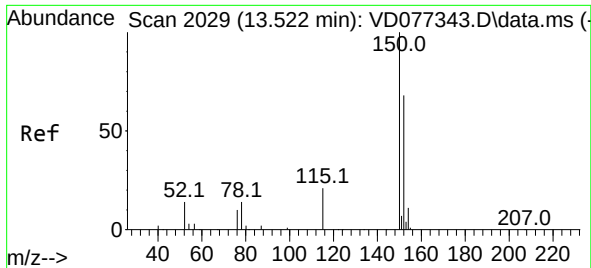
Tgt Ion:	95	Resp:	58349
Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	201.8
176	88.1	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

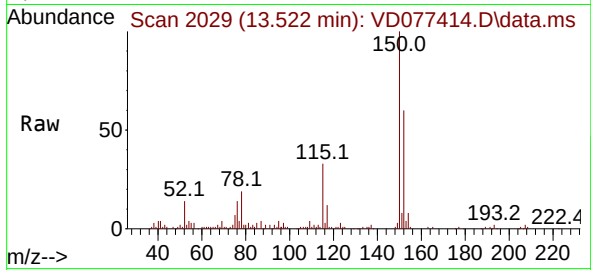
Tgt Ion:	117	Resp:	207001
Ion	Ratio	Lower	Upper
117	100		
82	48.6	38.3	57.5
119	32.5	25.0	37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077414.D
 Acq: 25 Oct 2023 15:13

Instrument :
 MSVOA_D
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Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	27.1	81.3
150	168.2	0.0	353.6

