

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077369.D
 Acq On : 20 Oct 2023 17:19
 Operator : JC/SY
 Sample : 04977-02
 Misc : 6.46G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-406-VOC-01

Quant Time: Oct 21 05:31:18 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)

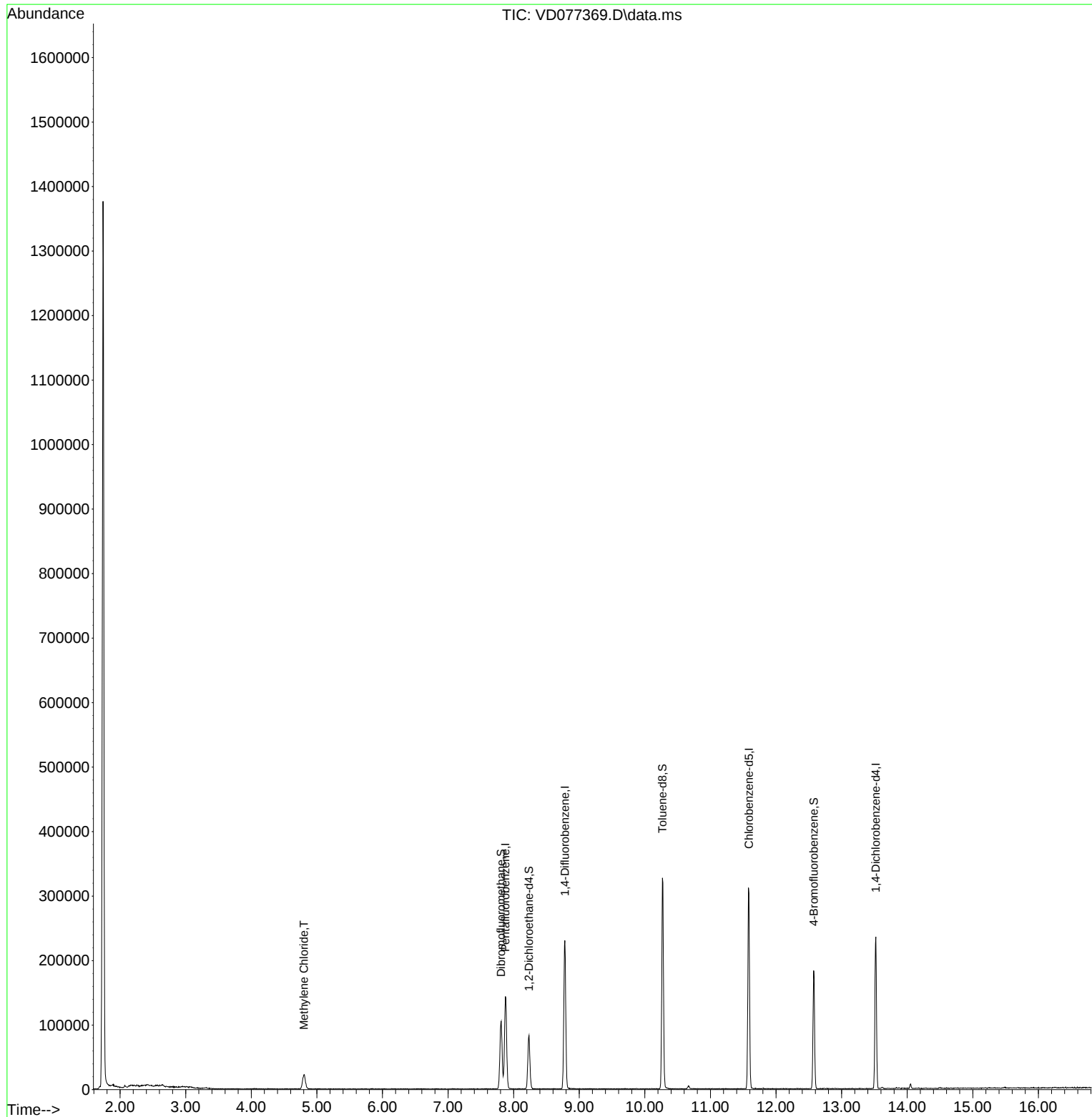
Internal Standards						
1) Pentafluorobenzene	7.875	168	113125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	217951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	197571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	65967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	62703	62.074	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.140%
35) Dibromofluoromethane	7.810	113	76200	49.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.520%
50) Toluene-d8	10.269	98	235098	42.872	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.740%
62) 4-Bromofluorobenzene	12.575	95	54715	34.662	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.320%
Target Compounds						
20) Methylene Chloride	4.805	84	18652	10.106	ug/l	Qvalue 94

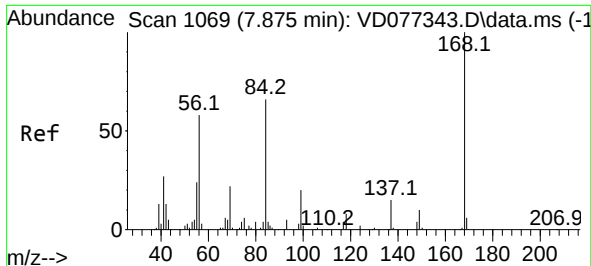
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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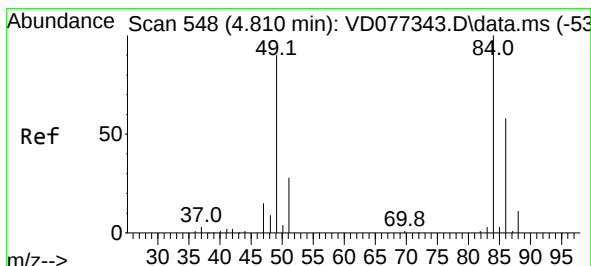
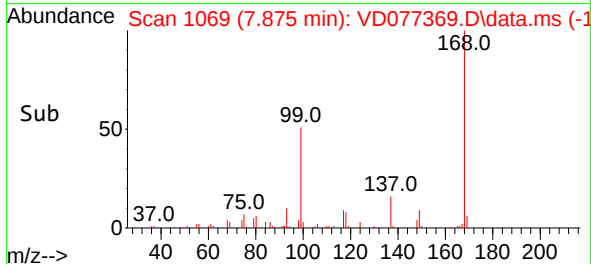
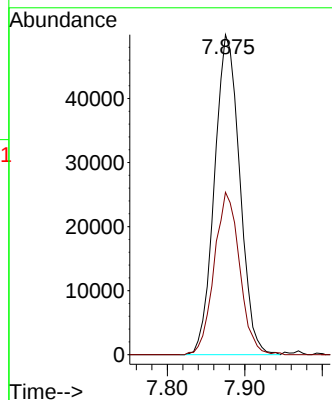
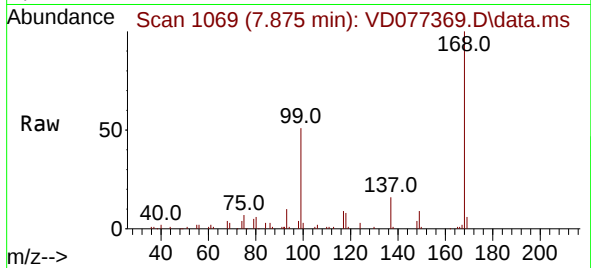




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077369.D
Acq: 20 Oct 2023 17:19

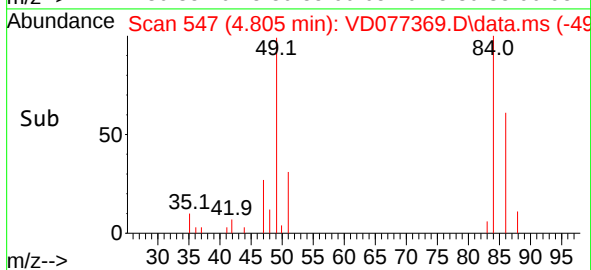
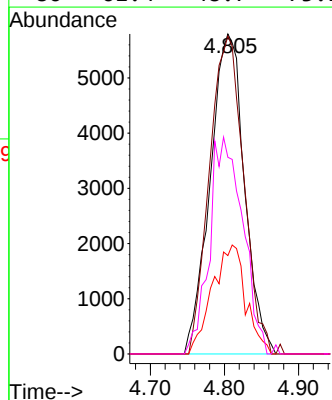
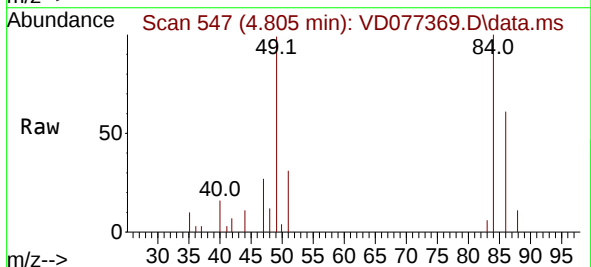
Instrument :
MSVOA_D
ClientSampleId :
NB-406-VOC-01

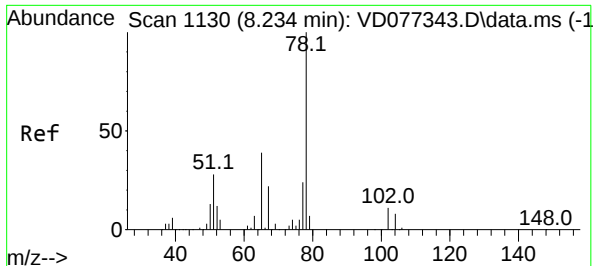
Tgt Ion:168 Resp: 113125
Ion Ratio Lower Upper
168 100
99 50.8 36.7 55.1



#20
Methylene Chloride
Concen: 10.106 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD077369.D
Acq: 20 Oct 2023 17:19

Tgt Ion: 84 Resp: 18652
Ion Ratio Lower Upper
84 100
49 99.4 71.4 107.2
51 30.8 24.5 36.7
86 61.4 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 62.074 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077369.D

Acq: 20 Oct 2023 17:19

Instrument :

MSVOA_D

ClientSampleId :

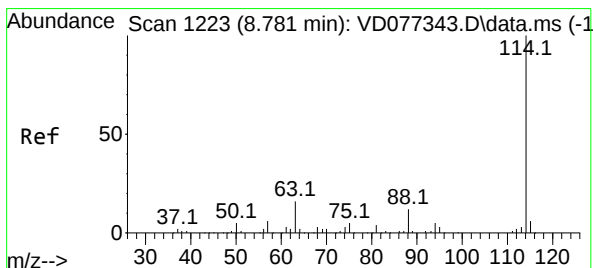
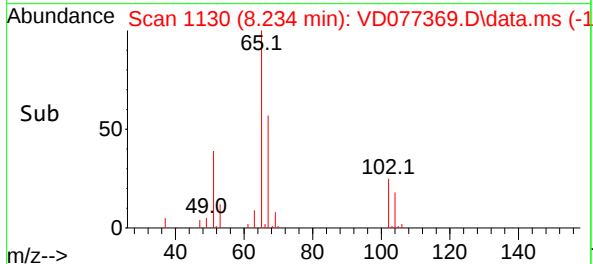
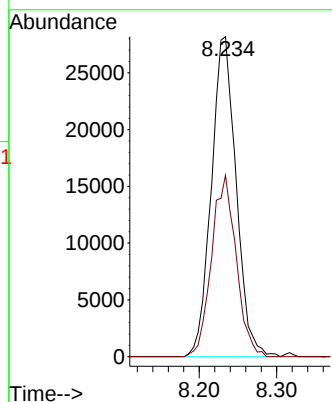
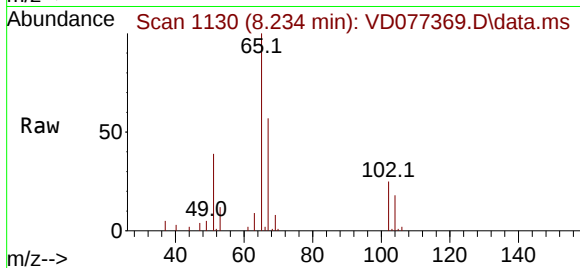
NB-406-VOC-01

Tgt Ion: 65 Resp: 62703

Ion Ratio Lower Upper

65 100

67 56.1 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: VD077369.D

Acq: 20 Oct 2023 17:19

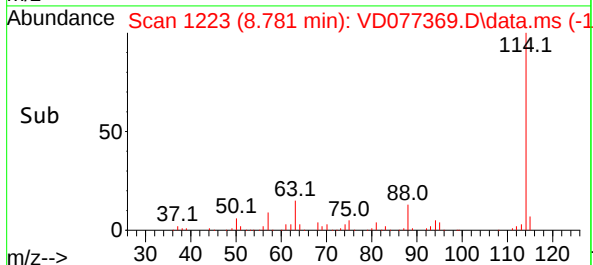
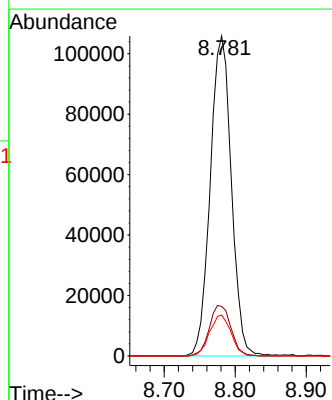
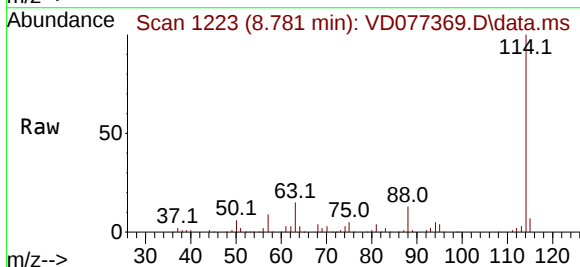
Tgt Ion: 114 Resp: 217951

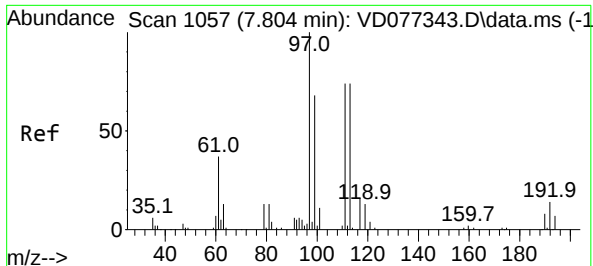
Ion Ratio Lower Upper

114 100

63 15.5 0.0 33.4

88 12.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 49.765 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077369.D

Acq: 20 Oct 2023 17:19

Instrument :

MSVOA_D

ClientSampleId :

NB-406-VOC-01

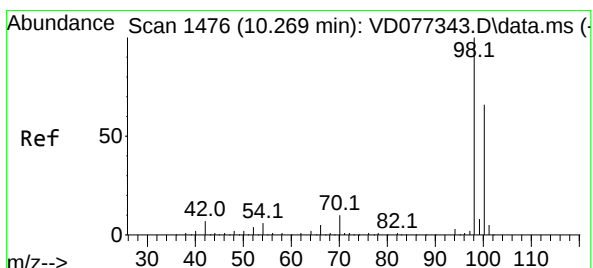
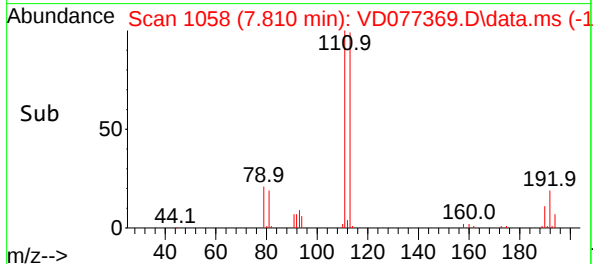
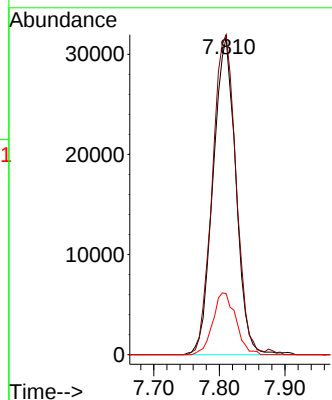
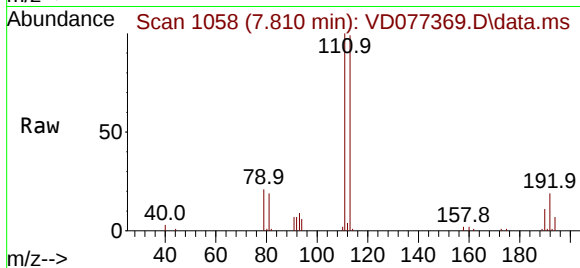
Tgt Ion:113 Resp: 76200

Ion Ratio Lower Upper

113 100

111 104.5 84.7 127.1

192 19.7 16.8 25.2



#50

Toluene-d8

Concen: 42.872 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077369.D

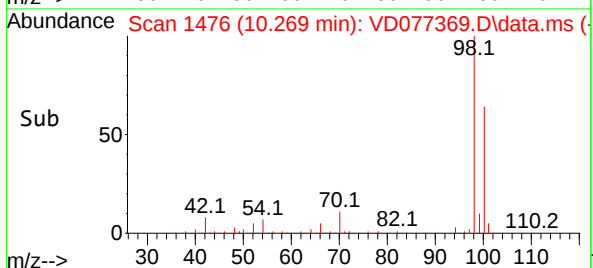
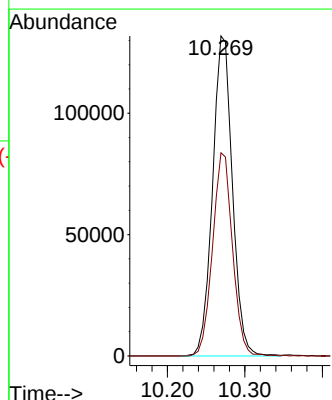
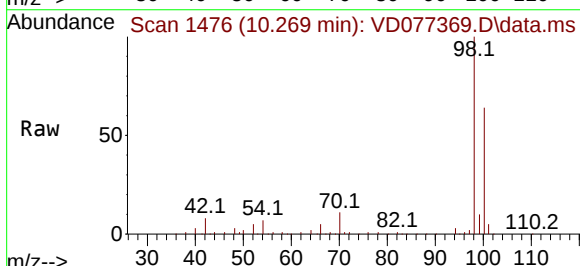
Acq: 20 Oct 2023 17:19

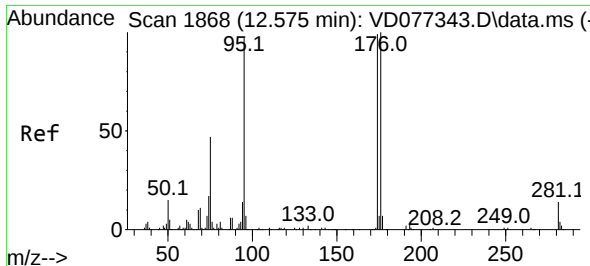
Tgt Ion: 98 Resp: 235098

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

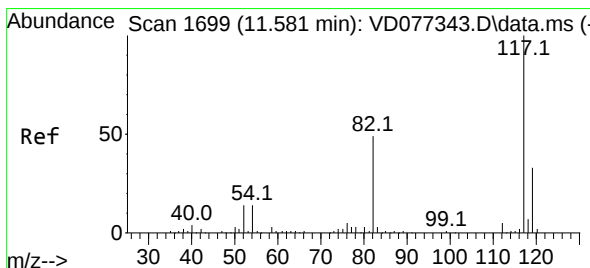
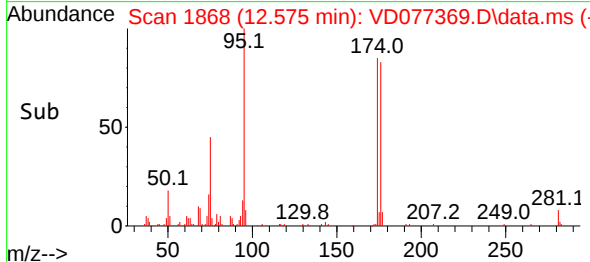
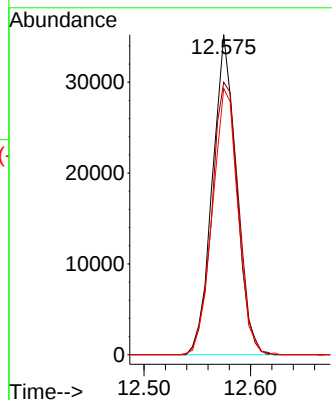
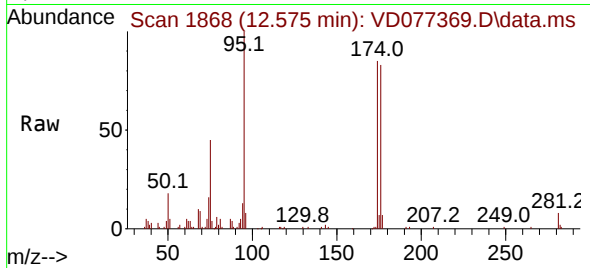




#62
4-Bromofluorobenzene
Concen: 34.662 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077369.D
Acq: 20 Oct 2023 17:19

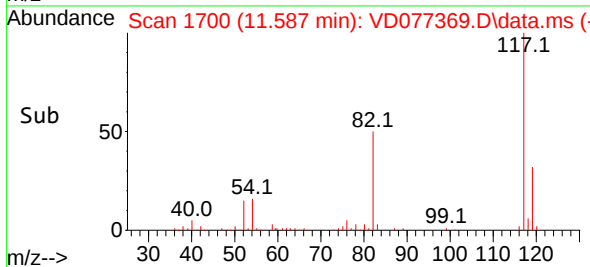
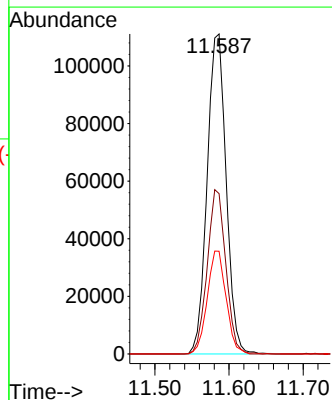
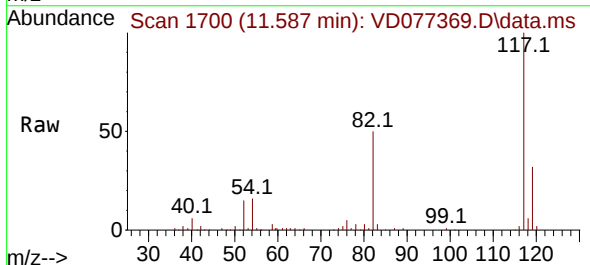
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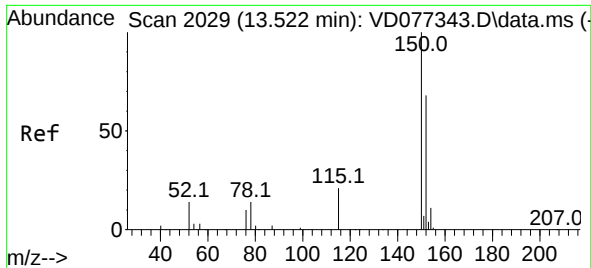
Tgt Ion:	95	Resp:	54715
Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	201.8
176	89.2	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077369.D
Acq: 20 Oct 2023 17:19

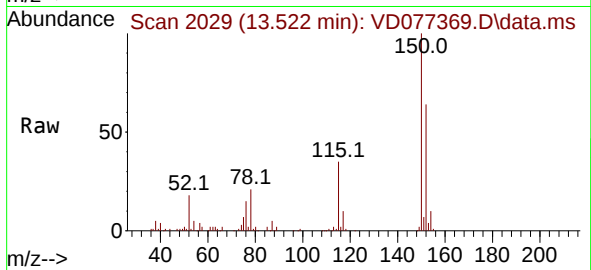
Tgt Ion:	117	Resp:	197571
Ion	Ratio	Lower	Upper
117	100		
82	50.1	38.3	57.5
119	32.1	25.0	37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077369.D
 Acq: 20 Oct 2023 17:19

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-406-VOC-01



Tgt Ion:	152	Resp:	65967
Ion Ratio	Lower	Upper	
152	100		
115	58.4	27.1	81.3
150	163.3	0.0	353.6

