

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077370.D
 Acq On : 20 Oct 2023 17:46
 Operator : JC/SY
 Sample : 04976-02
 Misc : 5.12G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-426-VOC-01

Quant Time: Oct 21 05:31:38 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)

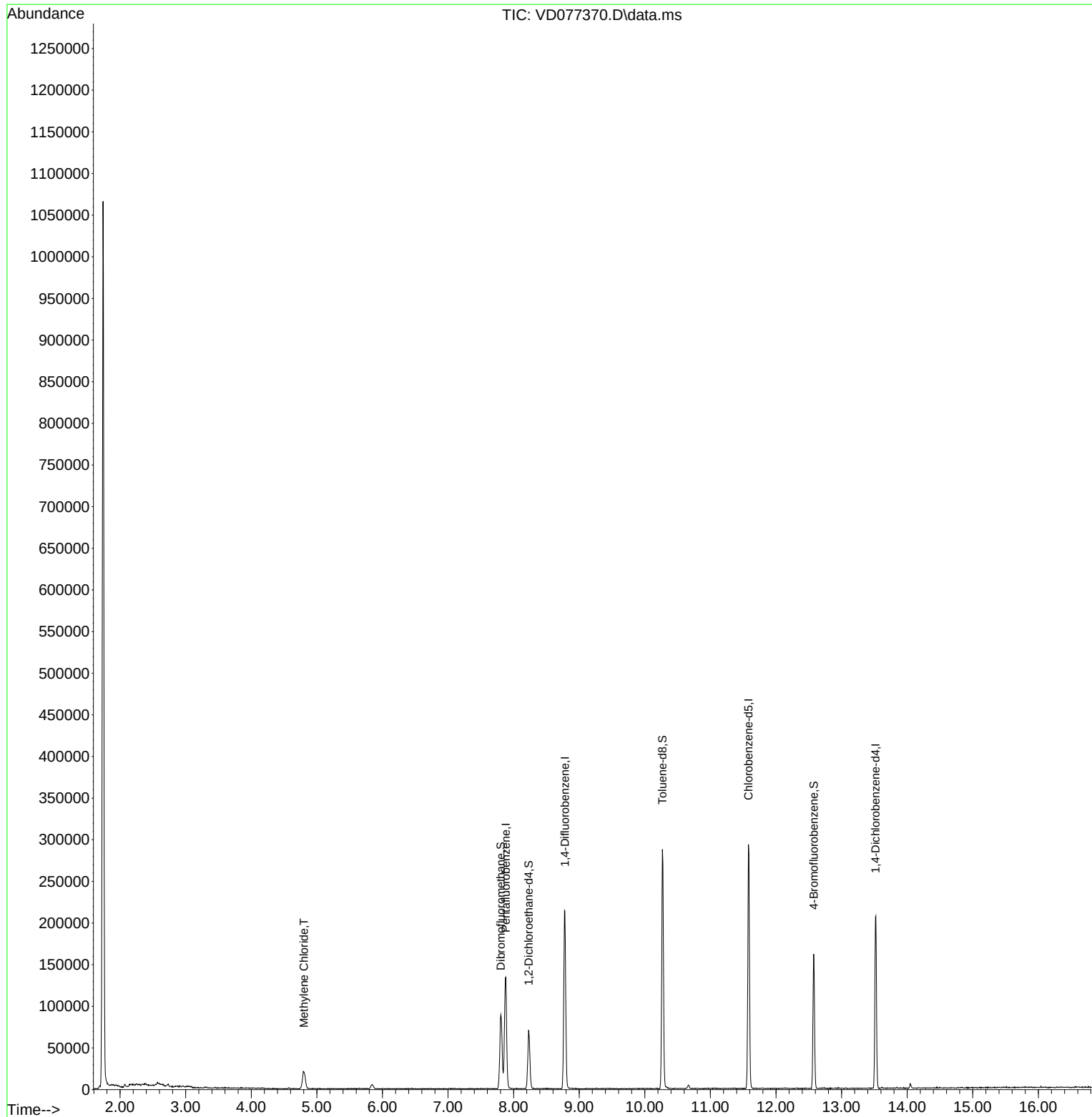
Internal Standards						
1) Pentafluorobenzene	7.881	168	105987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	202825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	183467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	61395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	51833	54.768	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.540%
35) Dibromofluoromethane	7.805	113	67427	47.319	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.640%
50) Toluene-d8	10.269	98	209284	41.011	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.020%
62) 4-Bromofluorobenzene	12.575	95	46735	31.815	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.620%
Target Compounds						
20) Methylene Chloride	4.805	84	18412	10.931	ug/l	Qvalue # 90

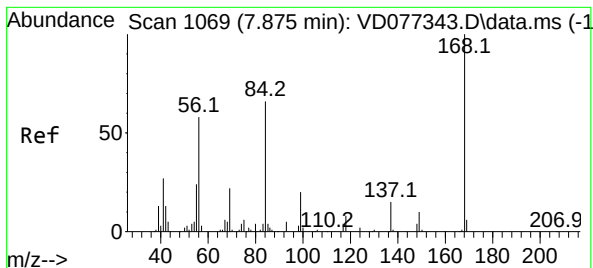
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

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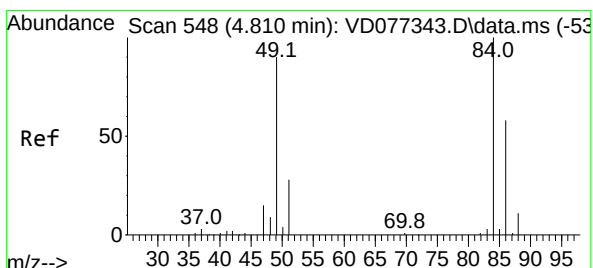
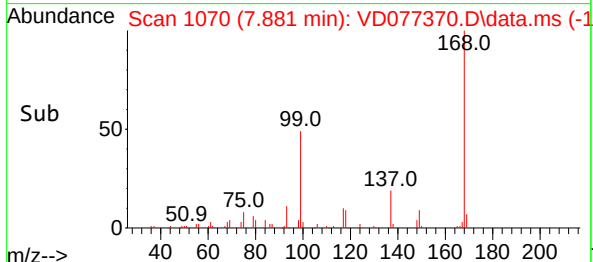
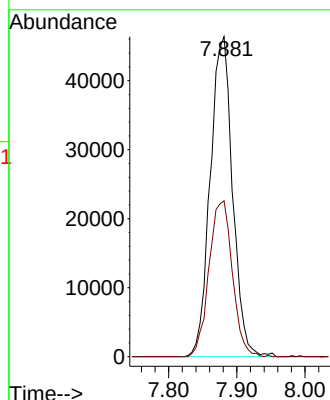
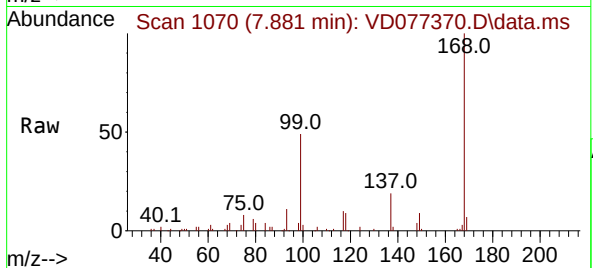
NB-426-VOC-01

Tgt Ion:168 Resp: 105987

Ion Ratio Lower Upper

168 100

99 48.7 36.7 55.1



#20

Methylene Chloride

Concen: 10.931 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.005 min

Lab File: VD077370.D

Acq: 20 Oct 2023 17:46

Tgt Ion: 84 Resp: 18412

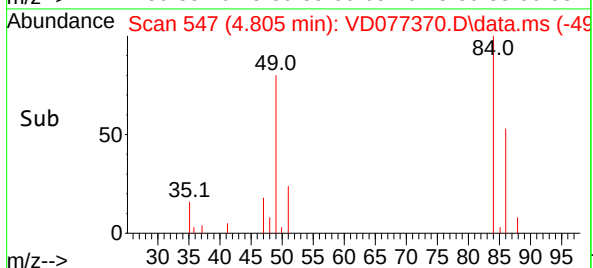
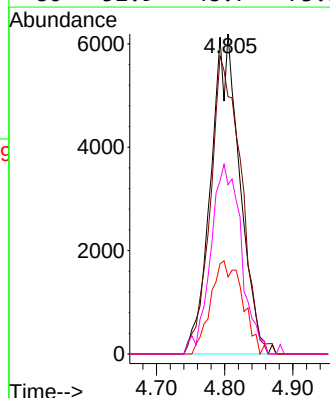
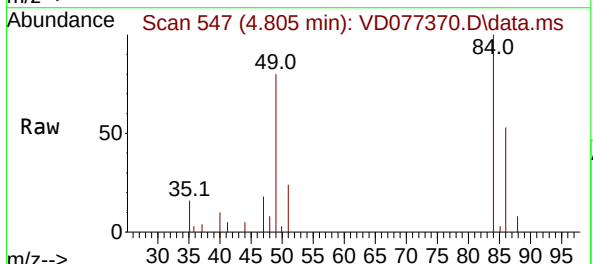
Ion Ratio Lower Upper

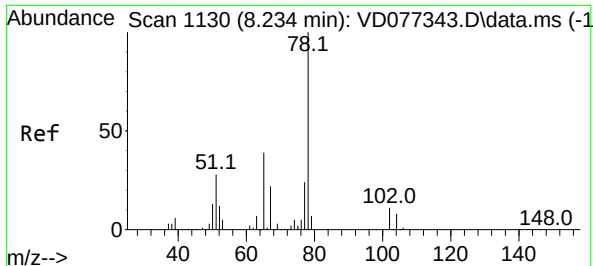
84 100

49 80.4 71.4 107.2

51 24.0 24.5 36.7#

86 52.9 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 54.768 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077370.D

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ClientSampleId :

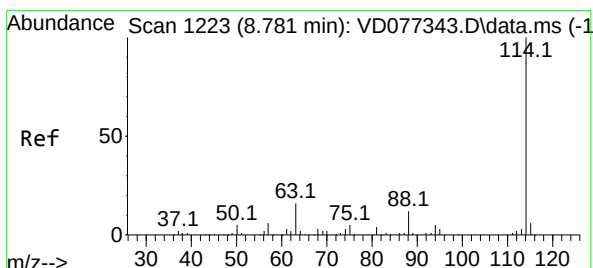
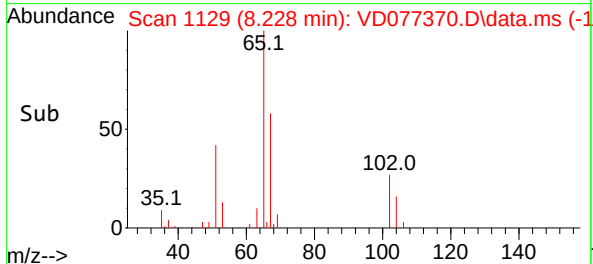
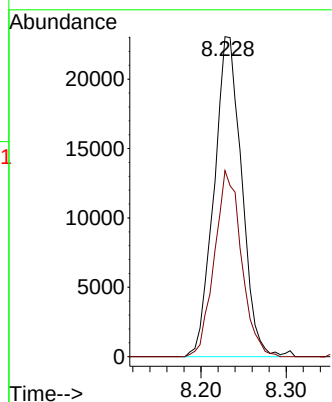
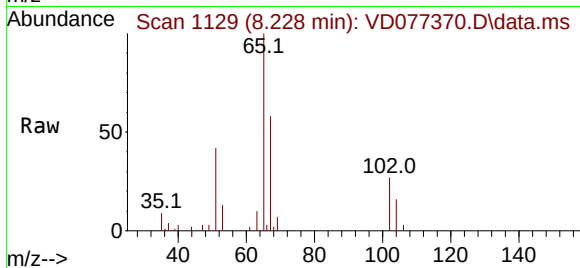
NB-426-VOC-01

Tgt Ion: 65 Resp: 51833

Ion Ratio Lower Upper

65 100

67 57.0 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: VD077370.D

Acq: 20 Oct 2023 17:46

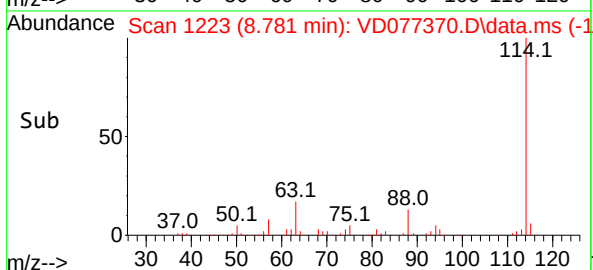
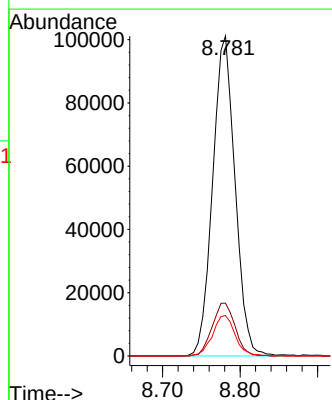
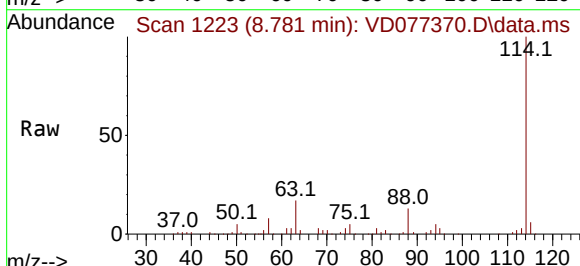
Tgt Ion: 114 Resp: 202825

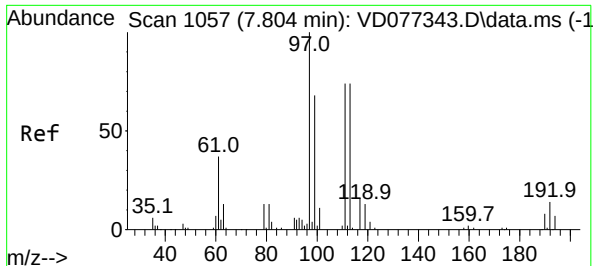
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.4

88 12.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.319 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077370.D

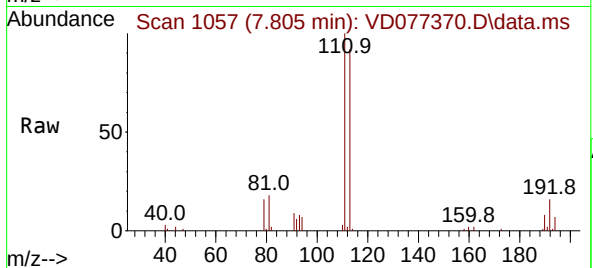
Acq: 20 Oct 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

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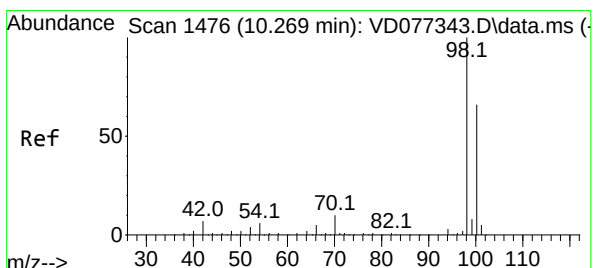
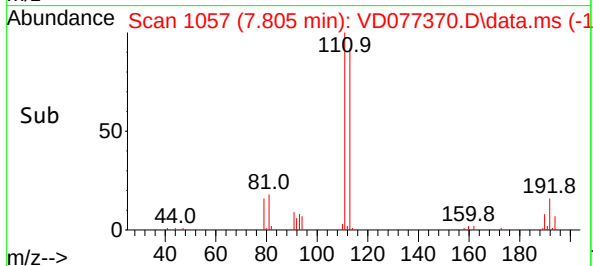
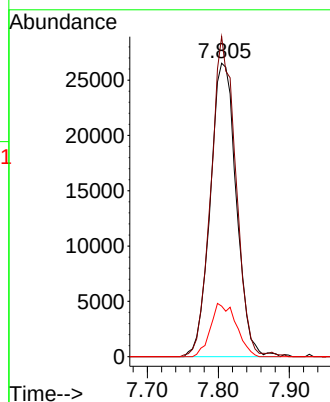
Tgt Ion:113 Resp: 67427

Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 18.0 16.8 25.2



#50

Toluene-d8

Concen: 41.011 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077370.D

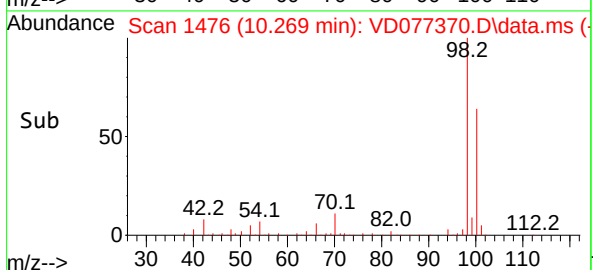
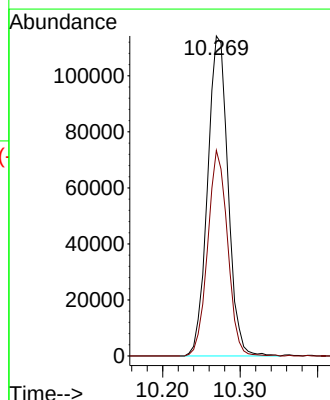
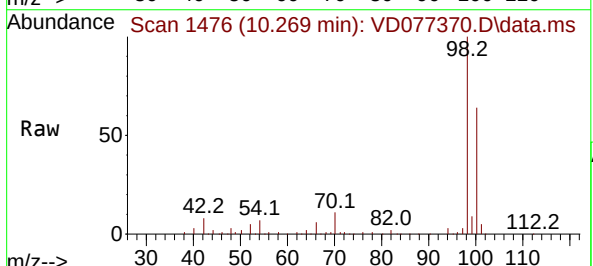
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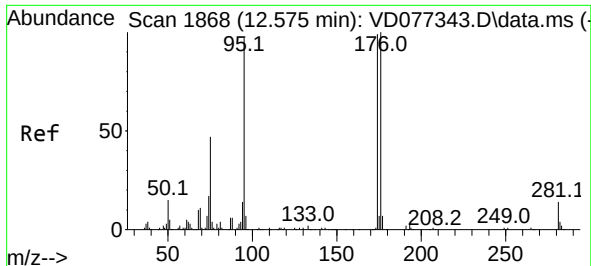
Tgt Ion: 98 Resp: 209284

Ion Ratio Lower Upper

98 100

100 62.2 50.3 75.5

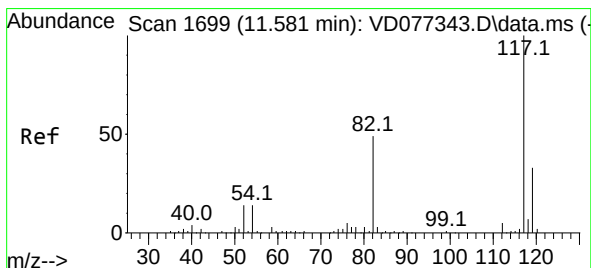
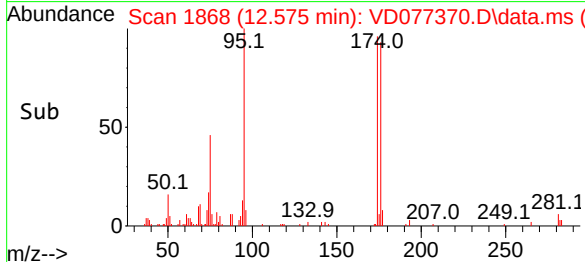
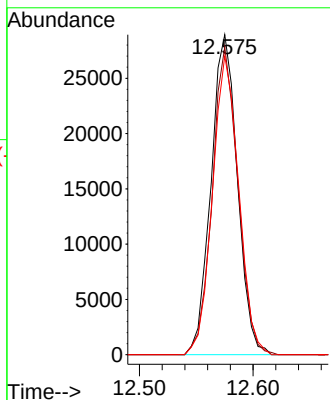
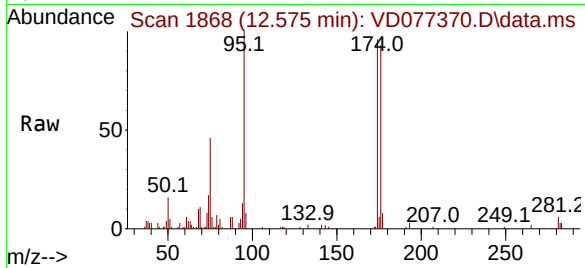




#62
4-Bromofluorobenzene
Concen: 31.815 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077370.D
Acq: 20 Oct 2023 17:46

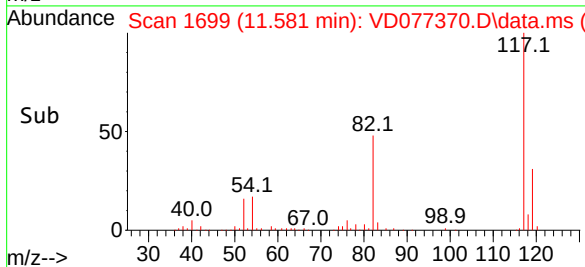
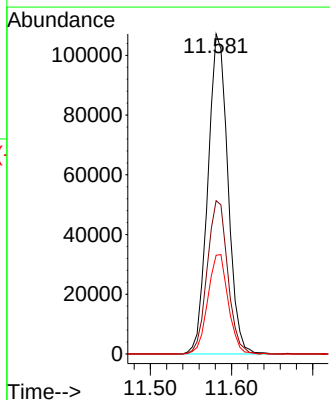
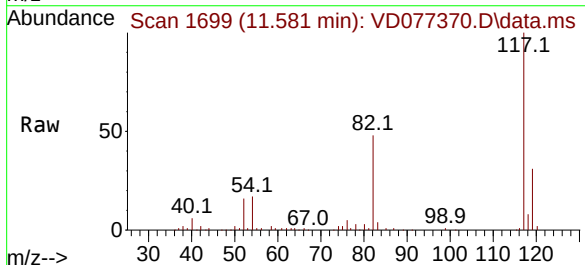
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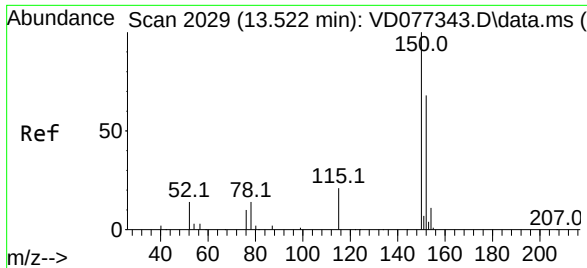
Tgt Ion:	95	Resp:	46735
Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	201.8
176	92.7	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077370.D
Acq: 20 Oct 2023 17:46

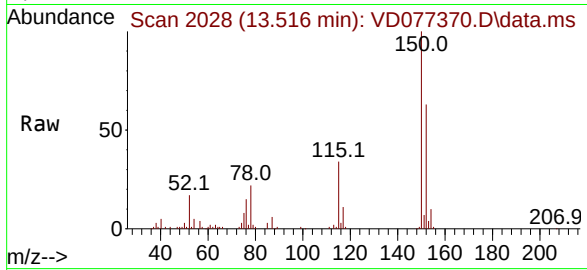
Tgt Ion:	117	Resp:	183467
Ion	Ratio	Lower	Upper
117	100		
82	47.9	38.3	57.5
119	30.9	25.0	37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077370.D
 Acq: 20 Oct 2023 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-426-VOC-01



Tgt Ion:152 Resp: 61395
 Ion Ratio Lower Upper
 152 100
 115 55.7 27.1 81.3
 150 156.4 0.0 353.6

