

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075384.D
 Acq On : 21 Feb 2023 16:50
 Operator : KP/SY
 Sample : 01613-06
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW10-GW-838-840

Quant Time: Feb 21 17:59:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 16:26:04 2023
 Response via : Initial Calibration

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

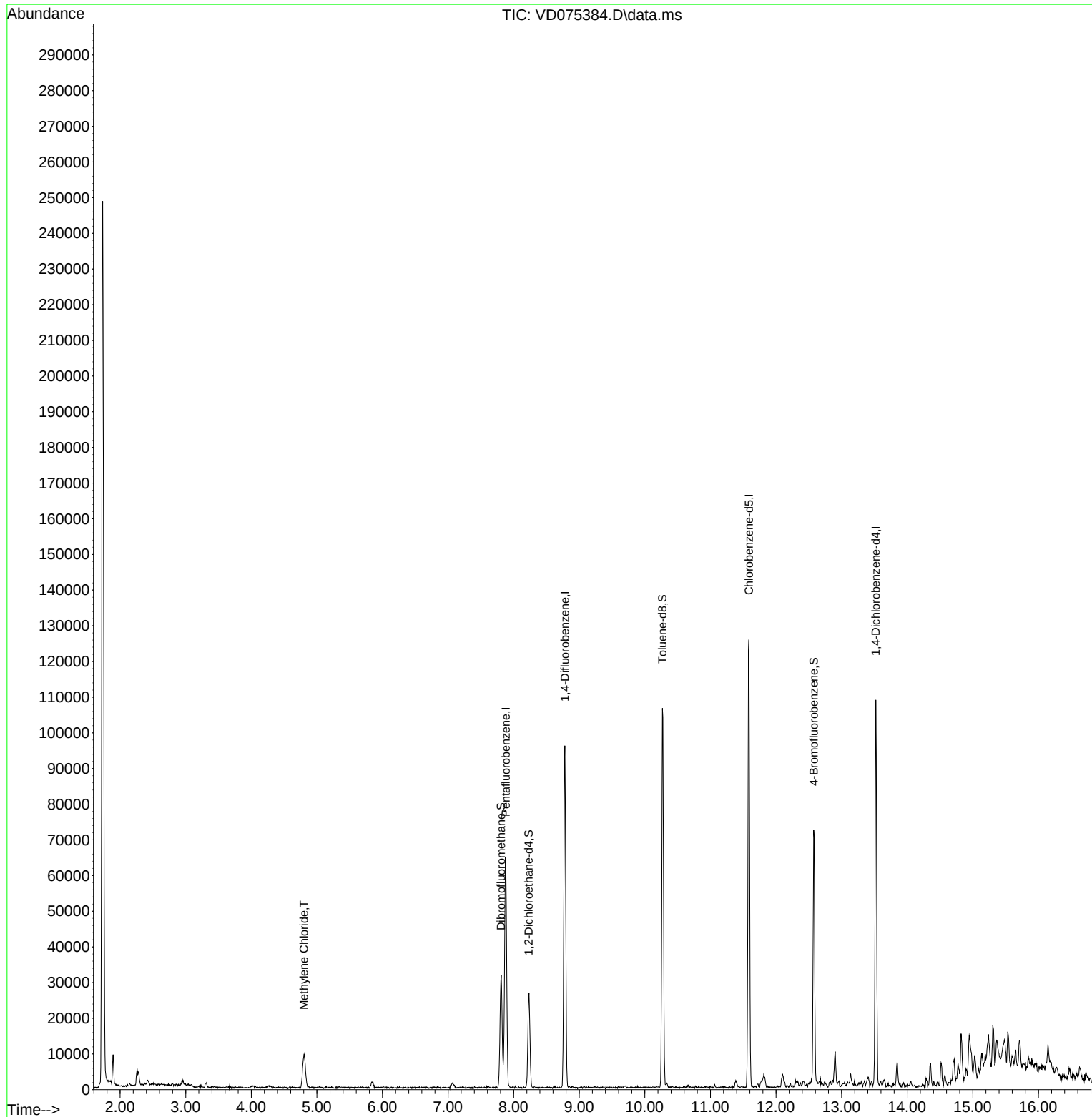
Internal Standards						
1) Pentafluorobenzene	7.881	168	47384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	80197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	68642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	26146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	20342	49.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.700%
35) Dibromofluoromethane	7.810	113	22018	46.248	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.500%
50) Toluene-d8	10.269	98	70737	41.170	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	82.340%
62) 4-Bromofluorobenzene	12.575	95	21586	37.415	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.840%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	6799	6.079	ug/l #	88

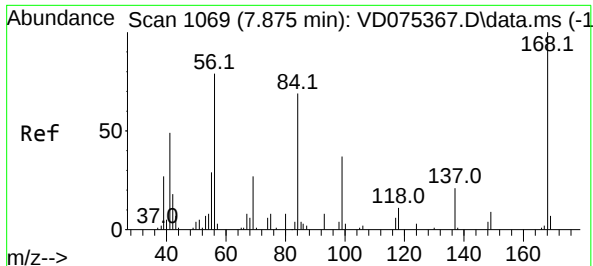
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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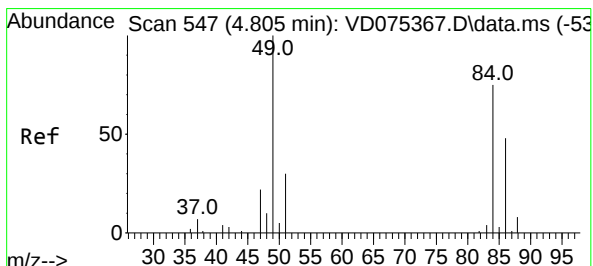
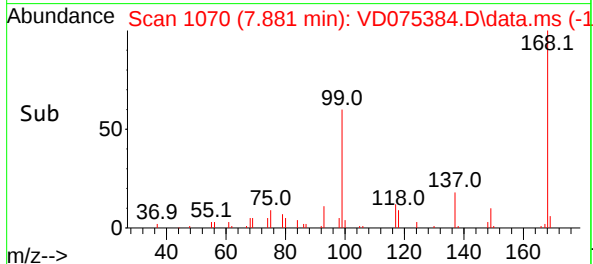
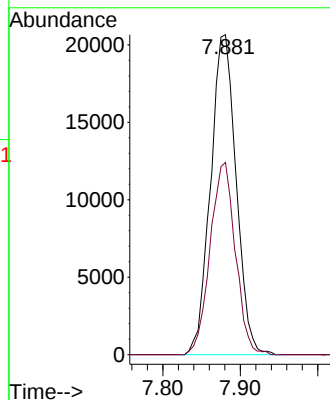
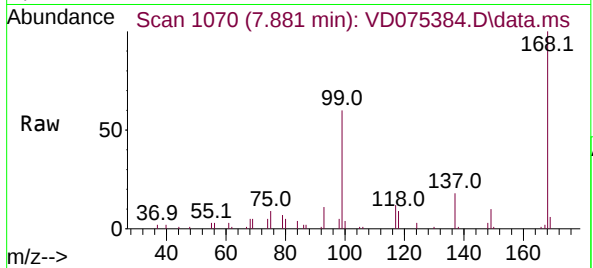




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075384.D
Acq: 21 Feb 2023 16:50

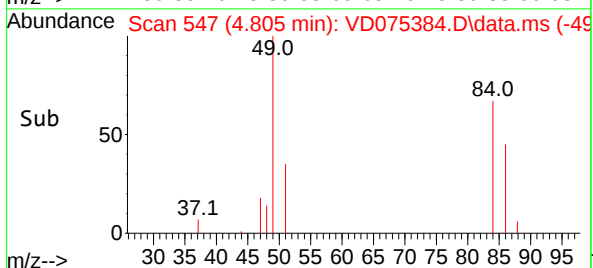
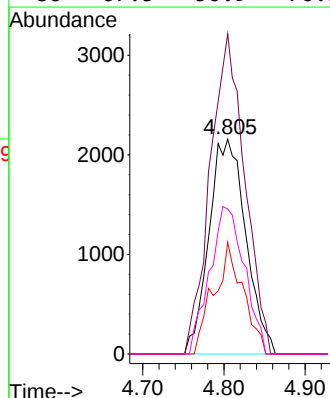
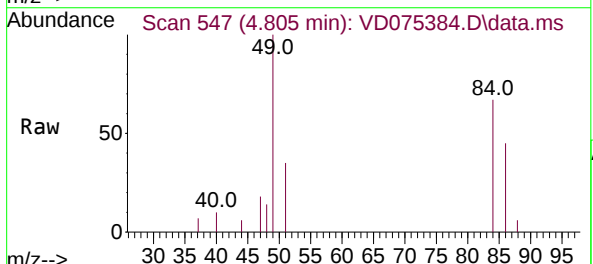
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW10-GW-838-840

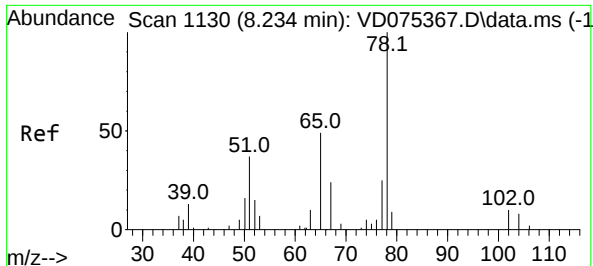
Tgt Ion:168 Resp: 47384
Ion Ratio Lower Upper
168 100
99 60.1 43.8 65.6



#20
Methylene Chloride
Concen: 6.079 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD075384.D
Acq: 21 Feb 2023 16:50

Tgt Ion: 84 Resp: 6799
Ion Ratio Lower Upper
84 100
49 149.1 106.4 159.6
51 52.1 32.4 48.6#
86 67.5 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 49.849 ug/l

RT: 8.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075384.D

Acq: 21 Feb 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

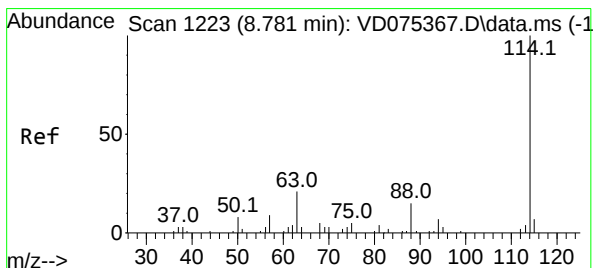
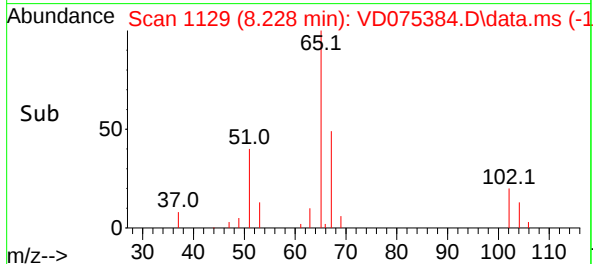
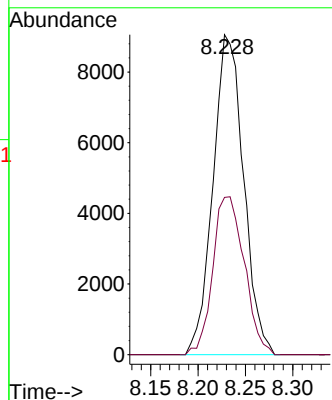
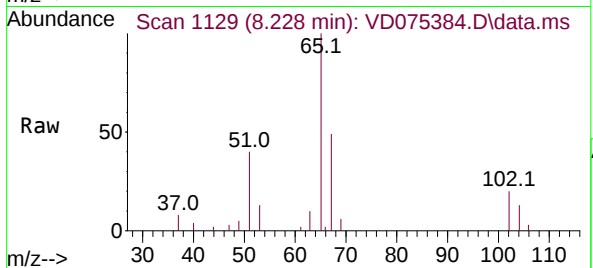
BP-VPB-RW10-GW-838-840

Tgt Ion: 65 Resp: 20342

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD075384.D

Acq: 21 Feb 2023 16:50

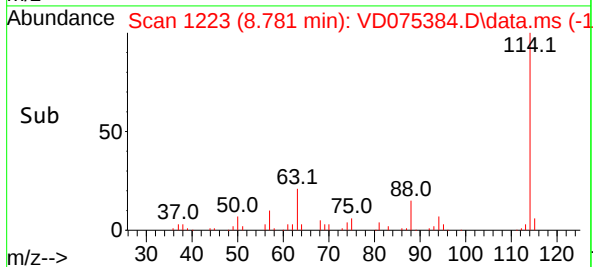
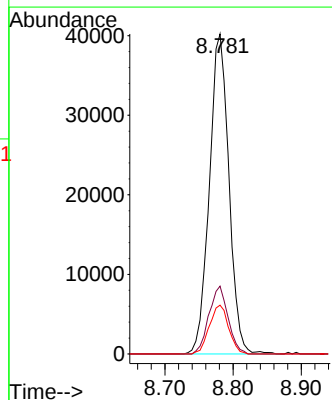
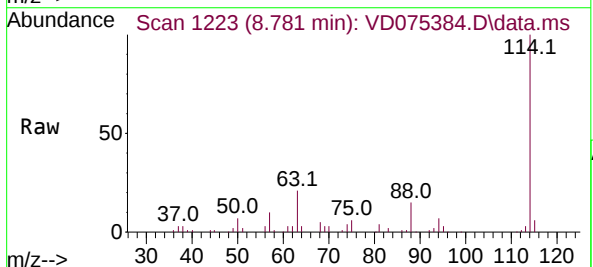
Tgt Ion: 114 Resp: 80197

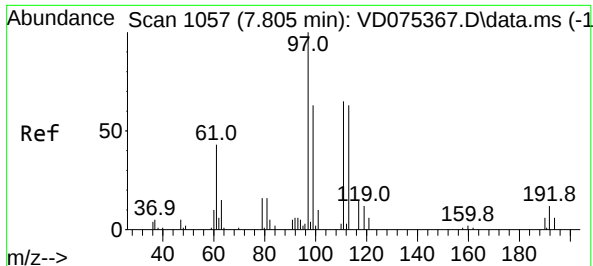
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.248 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD075384.D

Acq: 21 Feb 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW10-GW-838-840

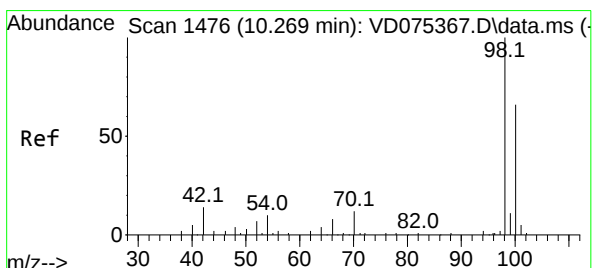
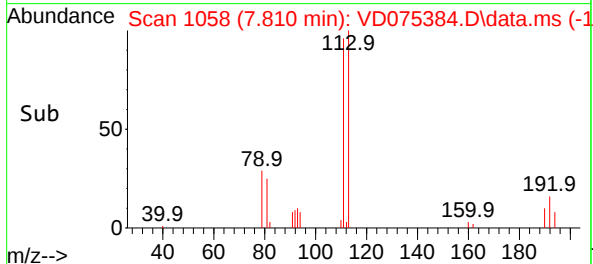
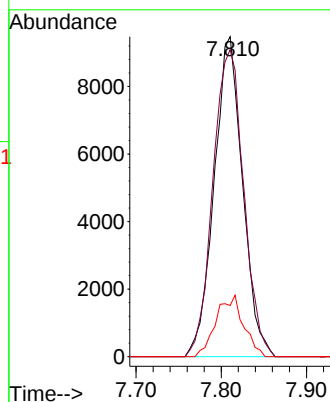
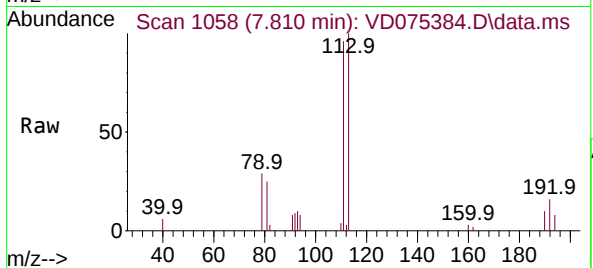
Tgt Ion:113 Resp: 22018

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 18.5 15.2 22.8



#50

Toluene-d8

Concen: 41.170 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075384.D

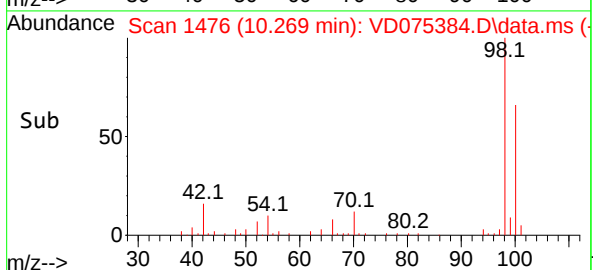
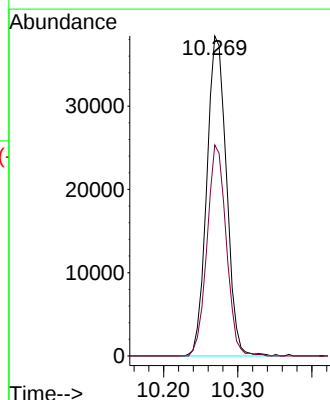
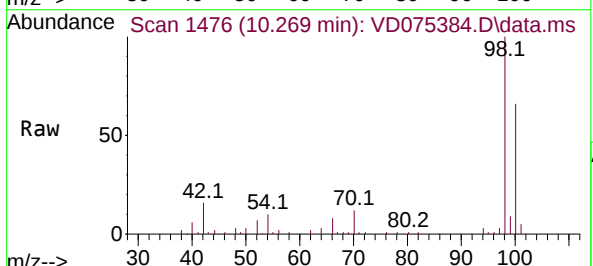
Acq: 21 Feb 2023 16:50

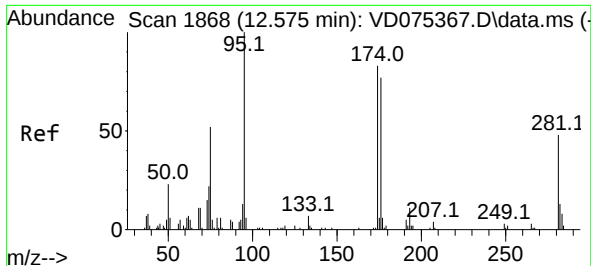
Tgt Ion: 98 Resp: 70737

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1

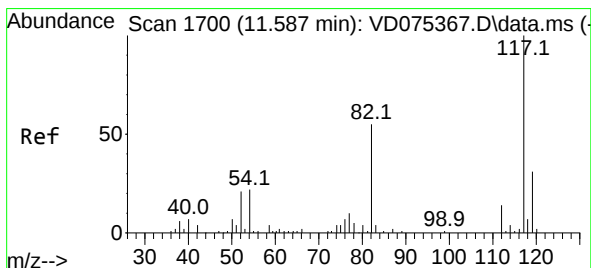
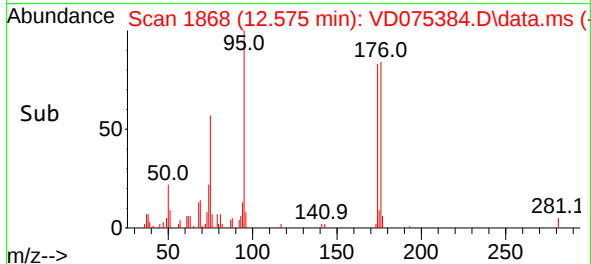
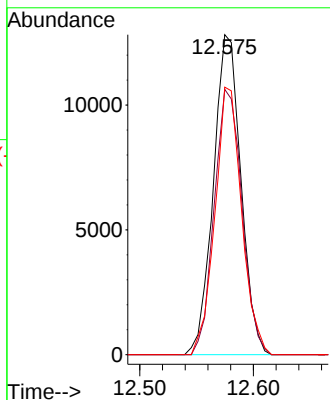
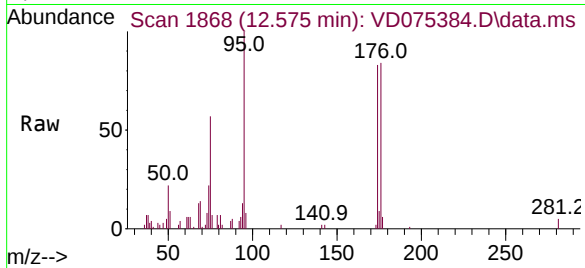




#62
4-Bromofluorobenzene
Concen: 37.415 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075384.D
Acq: 21 Feb 2023 16:50

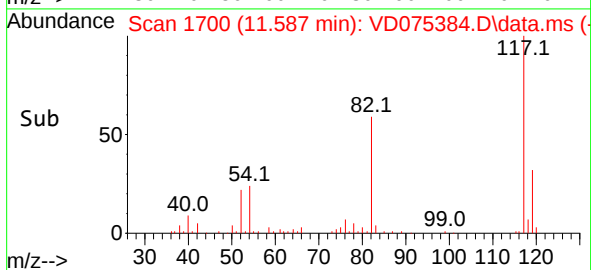
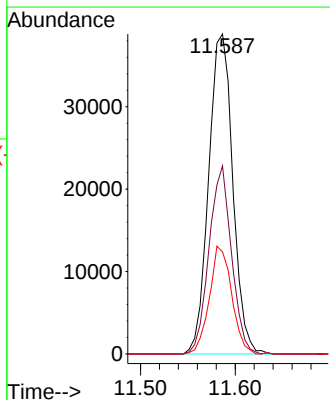
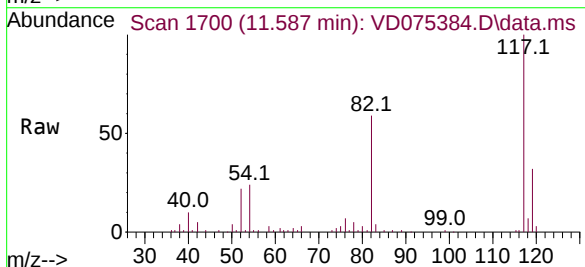
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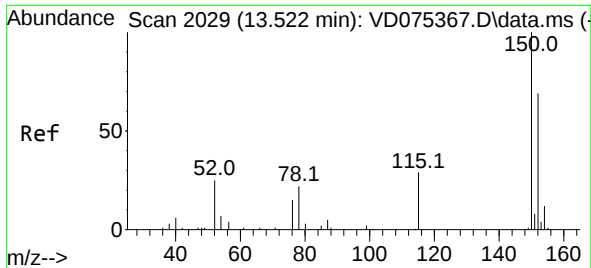
Tgt Ion:	95	Resp:	21586
Ion Ratio	Lower	Upper	
95	100		
174	83.5	0.0	164.0
176	81.1	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075384.D
Acq: 21 Feb 2023 16:50

Tgt Ion:	117	Resp:	68642
Ion Ratio	Lower	Upper	
117	100		
82	58.8	44.0	66.0
119	31.9	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD075384.D

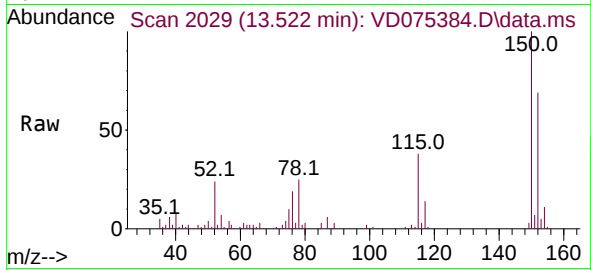
Acq: 21 Feb 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW10-GW-838-840



Tgt Ion:152 Resp: 26146

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.3

150 156.5 0.0 364.8

