

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076299.D
 Acq On : 31 May 2023 22:26
 Operator : KP/SY
 Sample : 02985-01
 Misc : 6.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PLYMOUTH-ENG-001

Quant Time: Jun 01 01:45:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

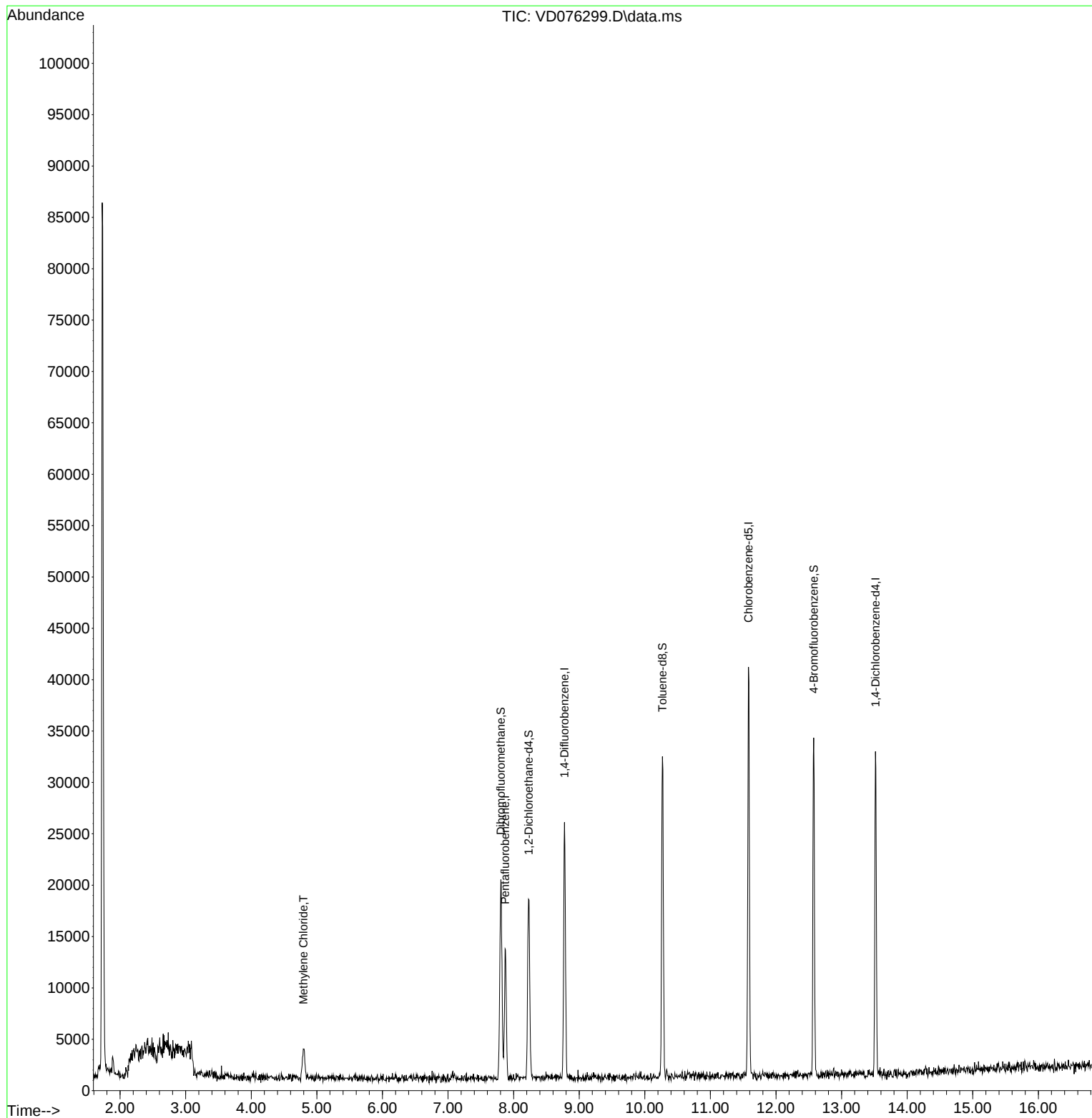
Internal Standards						
1) Pentafluorobenzene	7.869	168	10812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	24844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	26441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	10102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	14546	139.203	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 278.400%#	
35) Dibromofluoromethane	7.805	113	13317	77.548	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 155.100%#	
50) Toluene-d8	10.269	98	24384	36.425	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 72.840%	
62) 4-Bromofluorobenzene	12.575	95	9859	53.017	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.040%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.793	84	2341	6.352	ug/l #	79

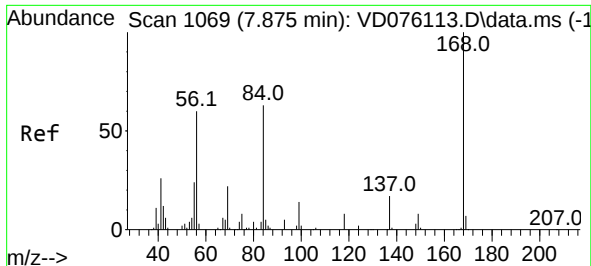
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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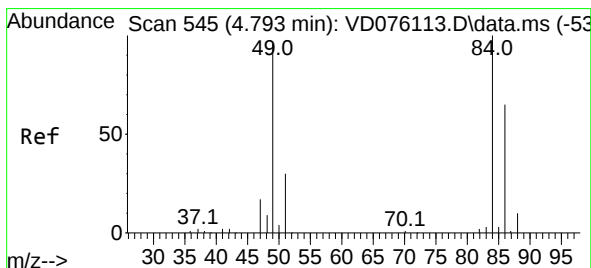
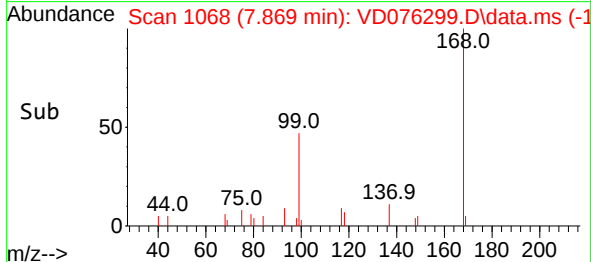
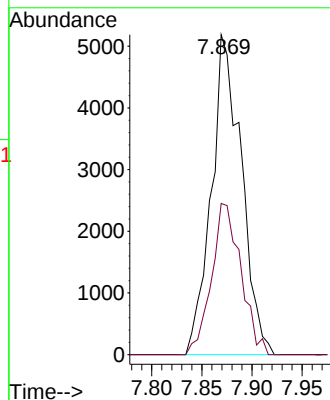
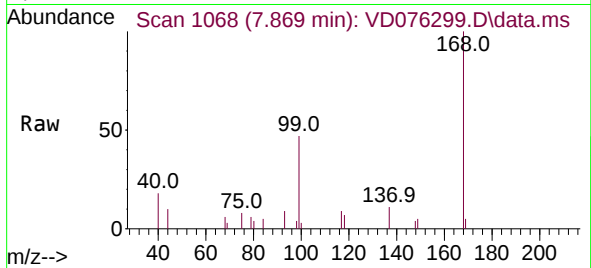




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

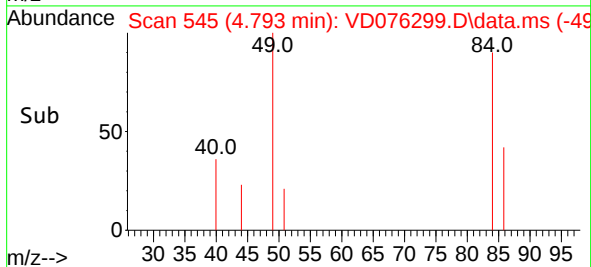
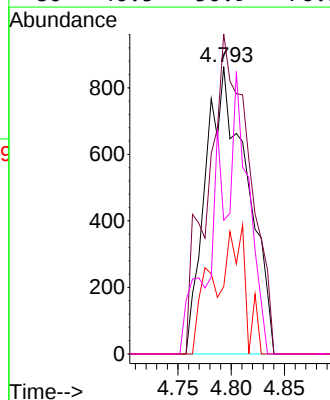
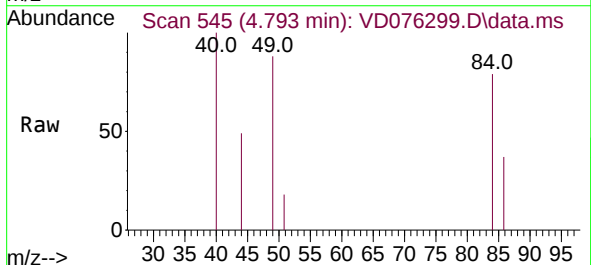
Instrument :
MSVOA_D
ClientSampleId :
PLYMOUTH-ENG-001

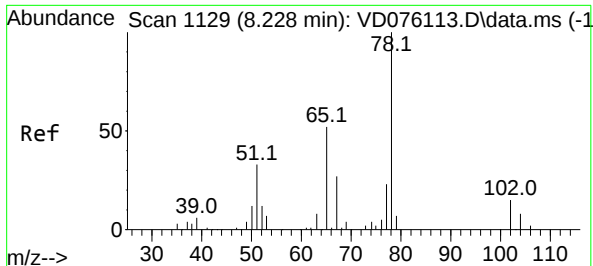
Tgt Ion:168 Resp: 10812
Ion Ratio Lower Upper
168 100
99 47.2 43.8 65.6



#20
Methylene Chloride
Concen: 6.352 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

Tgt Ion: 84 Resp: 2341
Ion Ratio Lower Upper
84 100
49 111.3 106.4 159.6
51 23.4 32.4 48.6#
86 46.5 50.9 76.3#





#33

1,2-Dichloroethane-d4

Concen: 139.203 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076299.D

Acq: 31 May 2023 22:26

Instrument :

MSVOA_D

ClientSampleId :

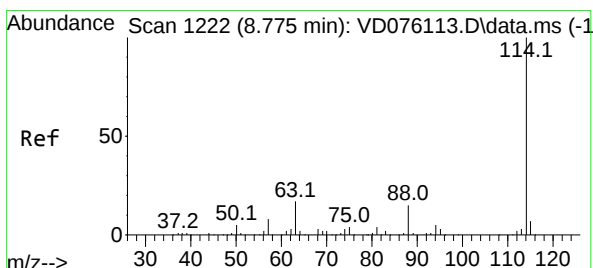
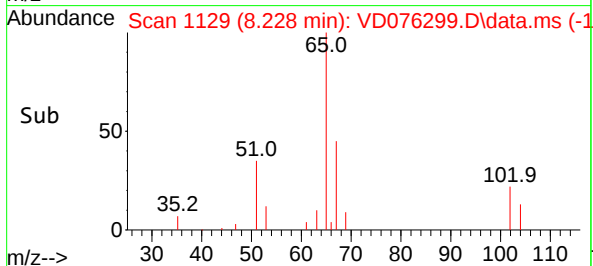
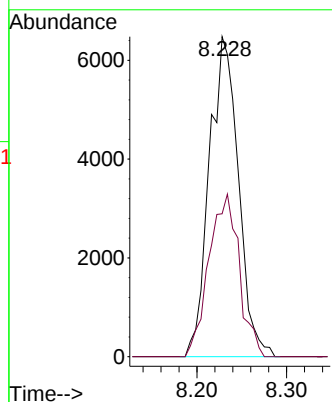
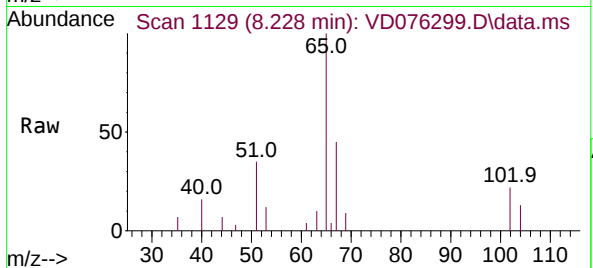
PLYMOUTH-ENG-001

Tgt Ion: 65 Resp: 14546

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076299.D

Acq: 31 May 2023 22:26

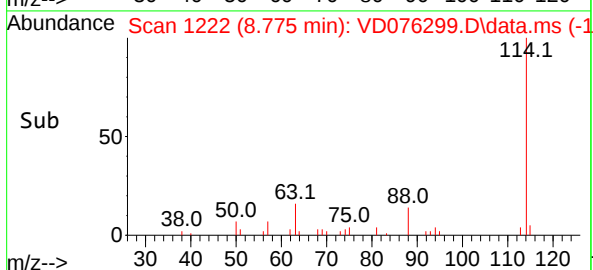
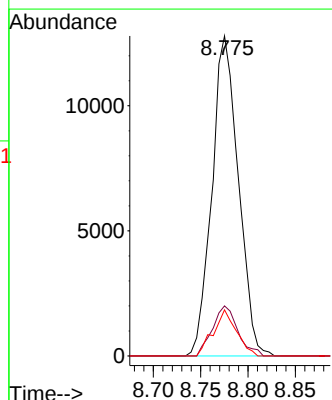
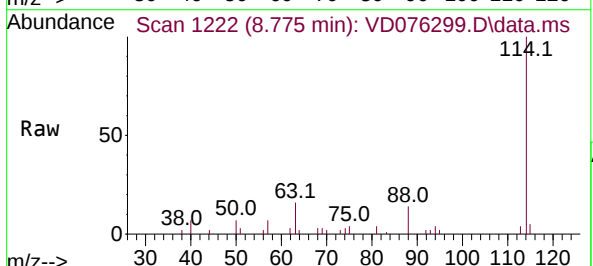
Tgt Ion: 114 Resp: 24844

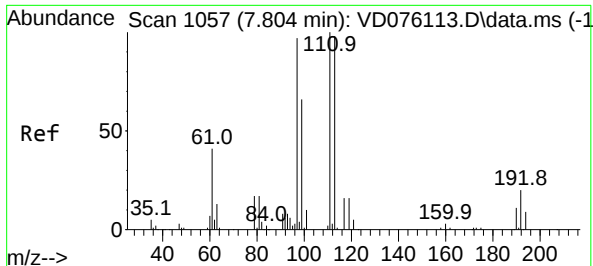
Ion Ratio Lower Upper

114 100

63 15.7 0.0 41.6

88 14.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 77.548 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076299.D

Acq: 31 May 2023 22:26

Instrument :

MSVOA_D

ClientSampleId :

PLYMOUTH-ENG-001

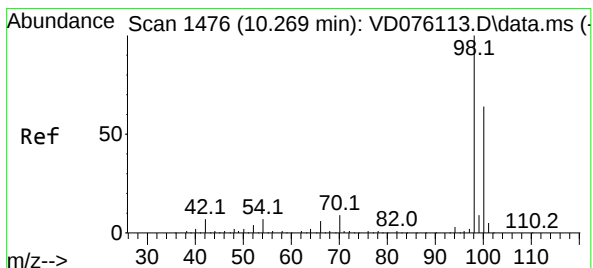
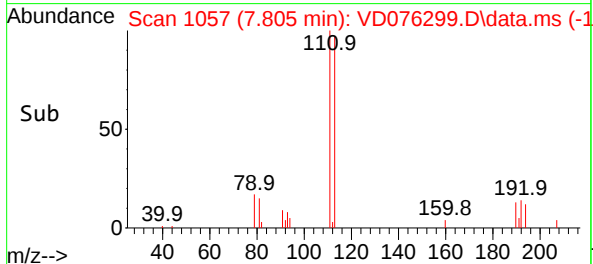
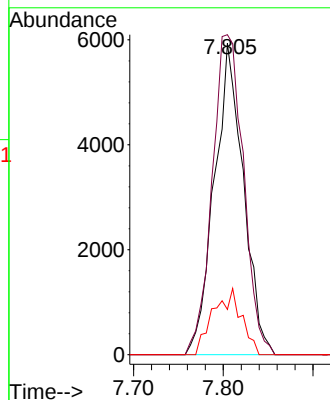
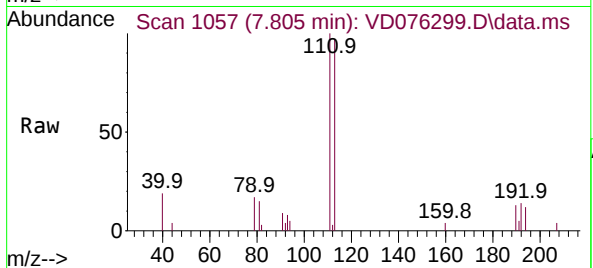
Tgt Ion:113 Resp: 13317

Ion Ratio Lower Upper

113 100

111 110.6 81.4 122.0

192 20.6 15.2 22.8



#50

Toluene-d8

Concen: 36.425 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076299.D

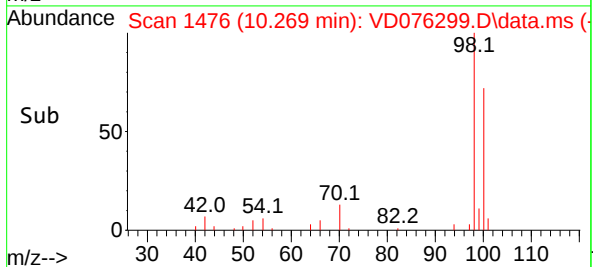
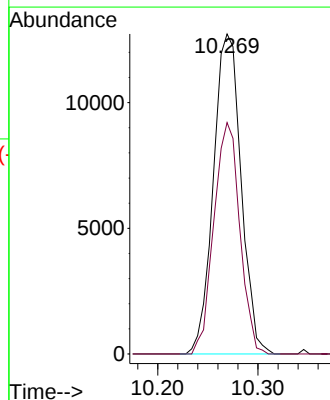
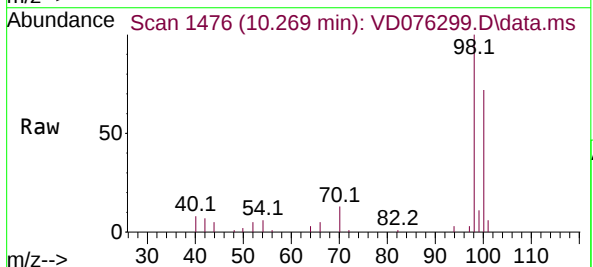
Acq: 31 May 2023 22:26

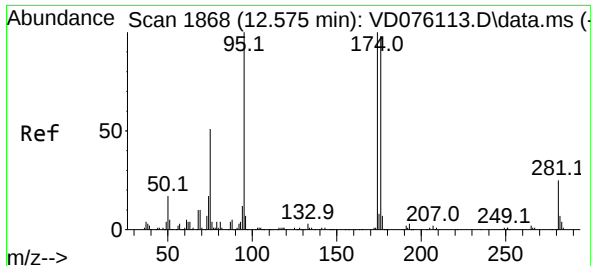
Tgt Ion: 98 Resp: 24384

Ion Ratio Lower Upper

98 100

100 67.7 52.1 78.1

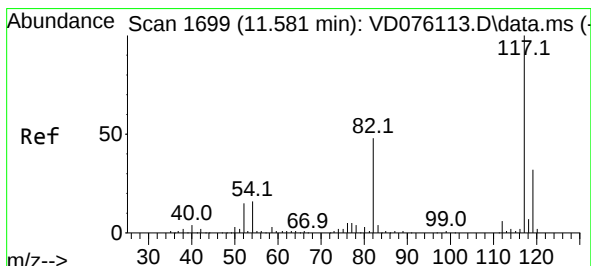
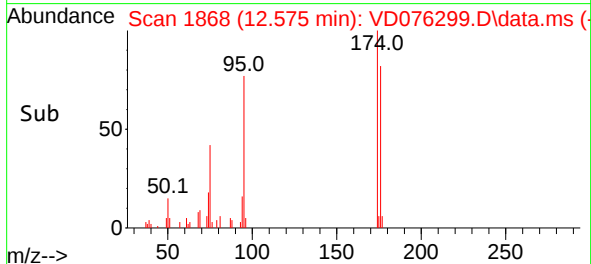
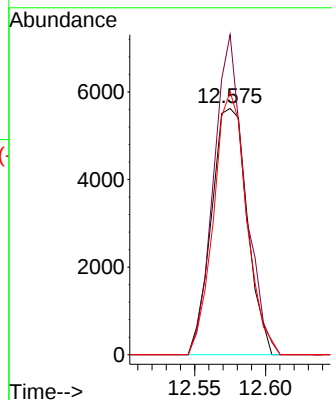
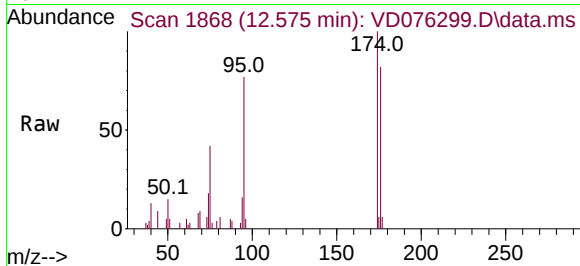




#62
4-Bromofluorobenzene
Concen: 53.017 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

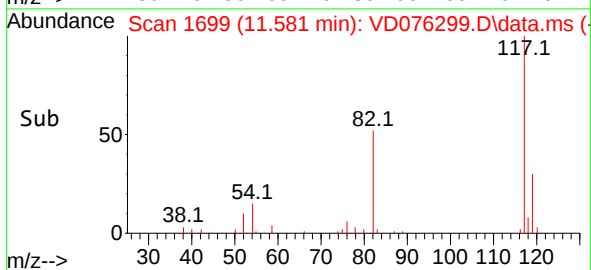
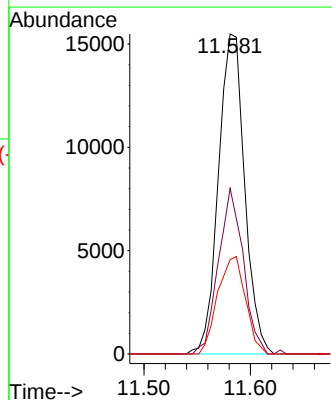
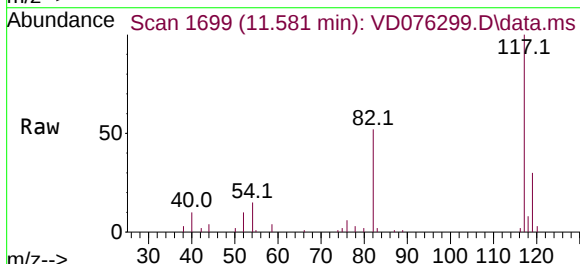
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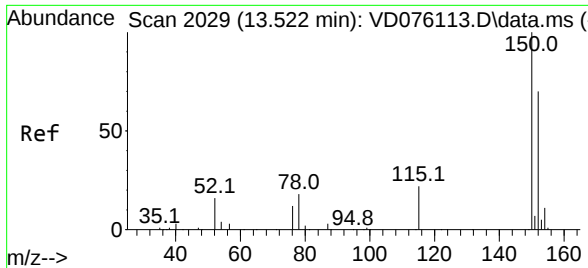
Tgt Ion:	95	Resp:	9859
Ion Ratio	Lower	Upper	
95	100		
174	112.8	0.0	164.0
176	98.3	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076299.D
Acq: 31 May 2023 22:26

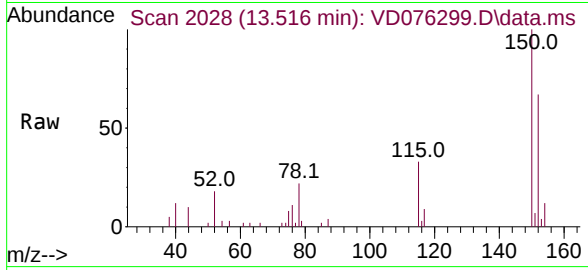
Tgt Ion:	117	Resp:	26441
Ion Ratio	Lower	Upper	
117	100		
82	51.7	44.0	66.0
119	29.5	25.1	37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD076299.D
 Acq: 31 May 2023 22:26

Instrument :
 MSVOA_D
 ClientSampleId :
 PLYMOUTH-ENG-001



Tgt Ion:	152	Resp:	10102
Ion	Ratio	Lower	Upper
152	100		
115	49.2	30.1	90.3
150	153.6	0.0	364.8

