

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012224\
 Data File : VX039886.D
 Acq On : 22 Jan 2024 16:08
 Operator : JC/MD
 Sample : P1186-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-191-GW-298-300

Quant Time: Jan 23 00:18:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

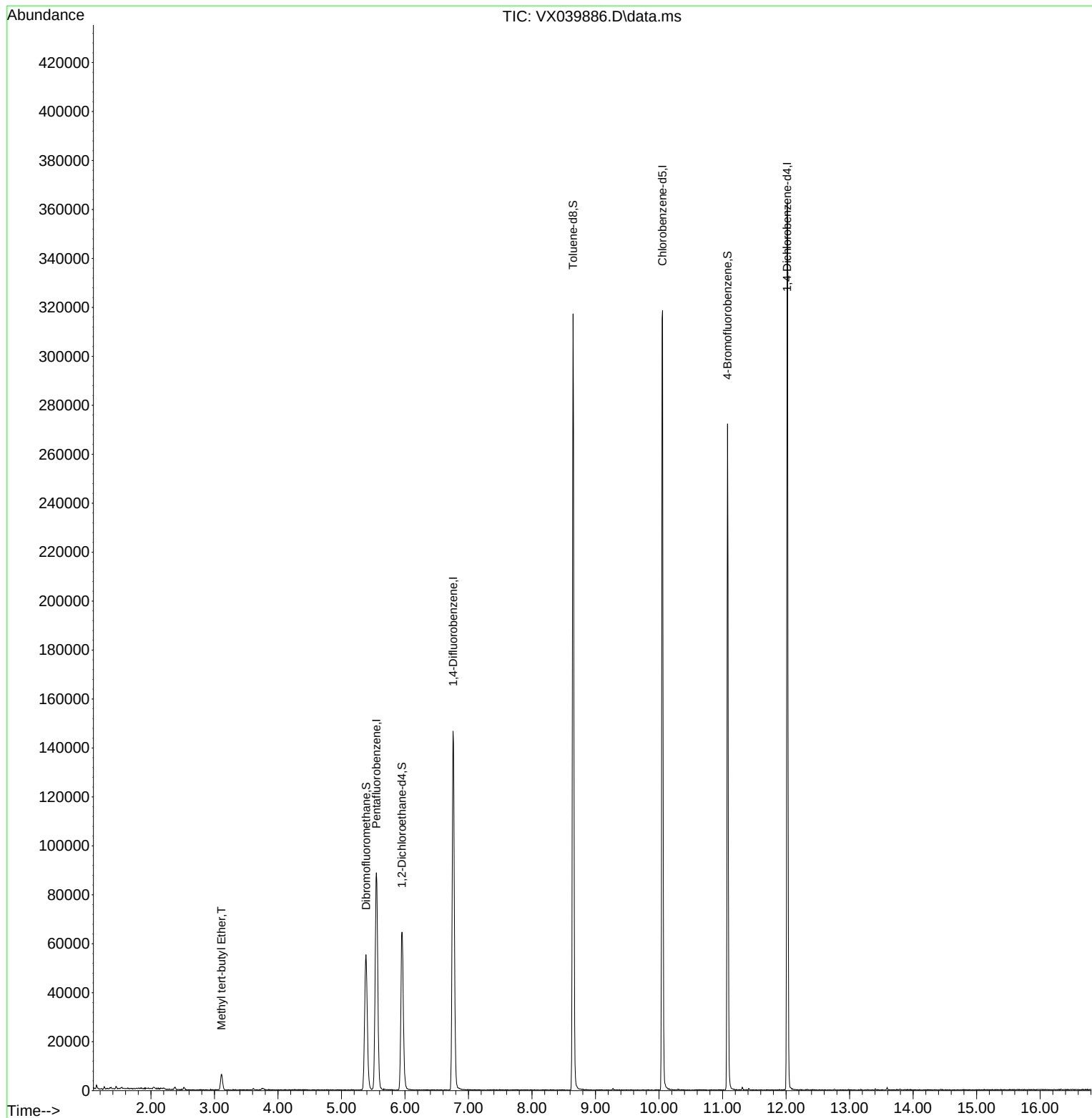
Internal Standards						
1) Pentafluorobenzene	5.550	168	79110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144643	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62684	47.301	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.600%
35) Dibromofluoromethane	5.385	113	48516	49.799	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.600%
50) Toluene-d8	8.647	98	181244	49.326	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.660%
62) 4-Bromofluorobenzene	11.079	95	69996	48.715	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.420%
Target Compounds						
19) Methyl tert-butyl Ether	3.111	73	7059	2.088	ug/l	Qvalue 96

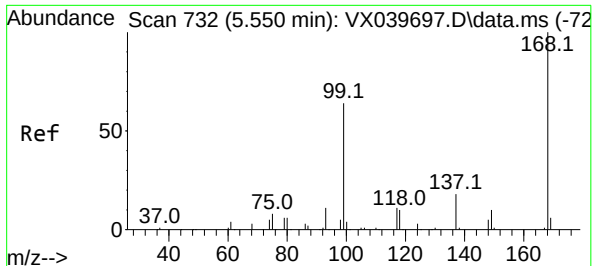
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

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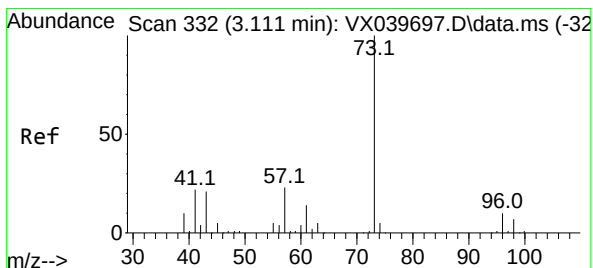
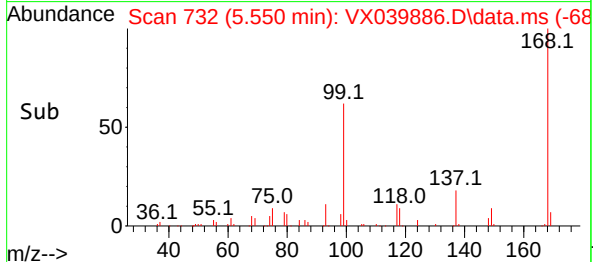
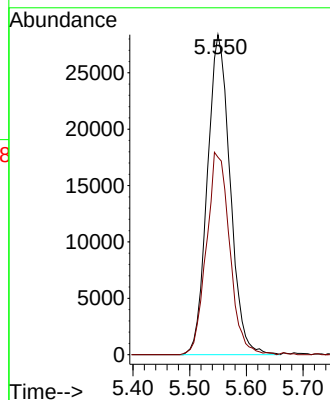
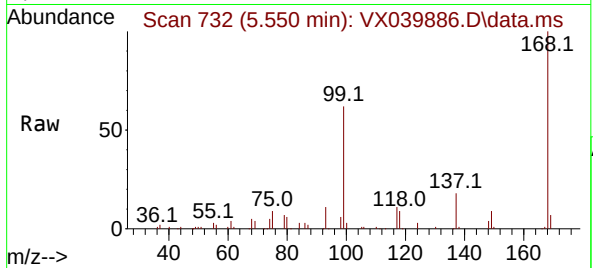
BP-VPB-191-GW-298-300

Tgt Ion:168 Resp: 79110

Ion Ratio Lower Upper

168 100

99 61.7 56.6 85.0



#19

Methyl tert-butyl Ether

Concen: 2.088 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX039886.D

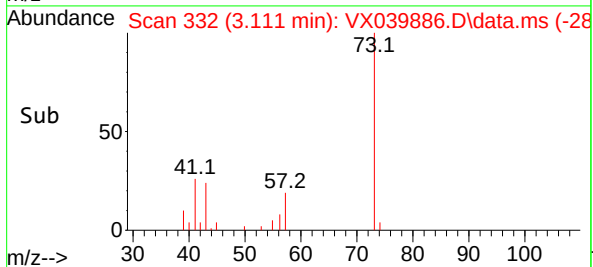
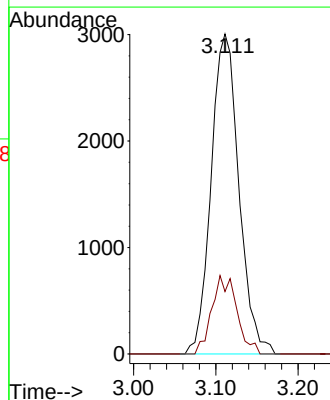
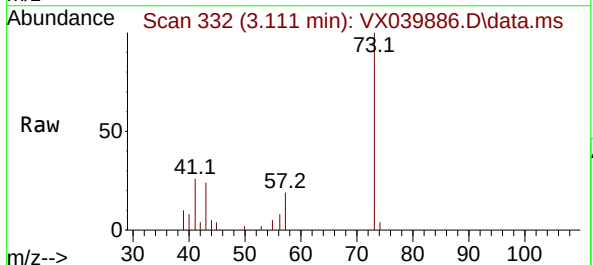
Acq: 22 Jan 2024 16:08

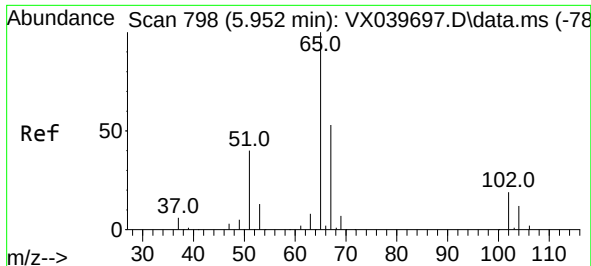
Tgt Ion: 73 Resp: 7059

Ion Ratio Lower Upper

73 100

57 19.5 17.3 25.9





#33

1,2-Dichloroethane-d4

Concen: 47.301 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039886.D

Acq: 22 Jan 2024 16:08

Instrument :

MSVOA_X

ClientSampleId :

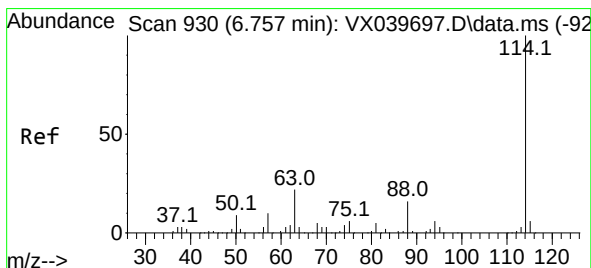
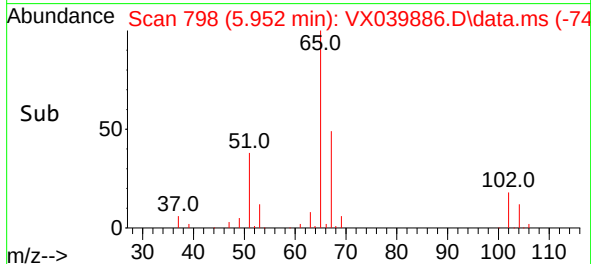
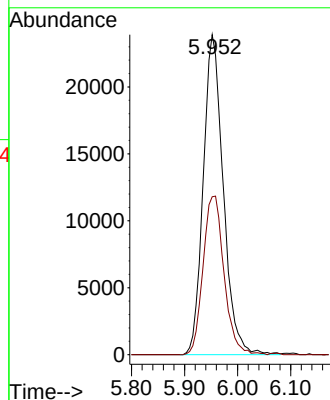
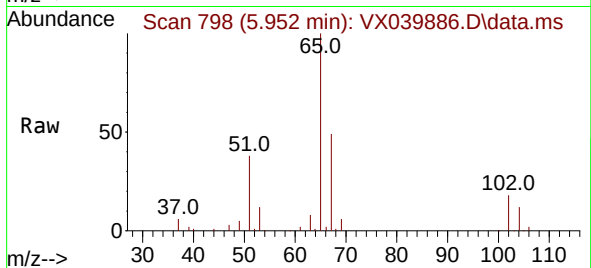
BP-VPB-191-GW-298-300

Tgt Ion: 65 Resp: 62684

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX039886.D

Acq: 22 Jan 2024 16:08

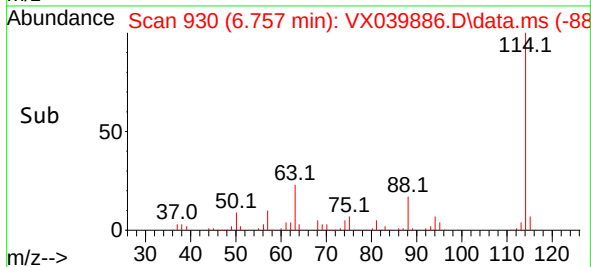
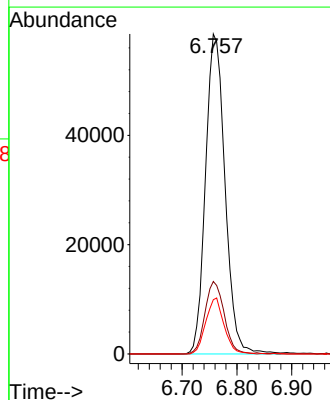
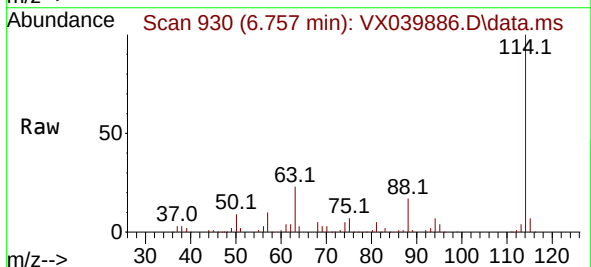
Tgt Ion: 114 Resp: 144643

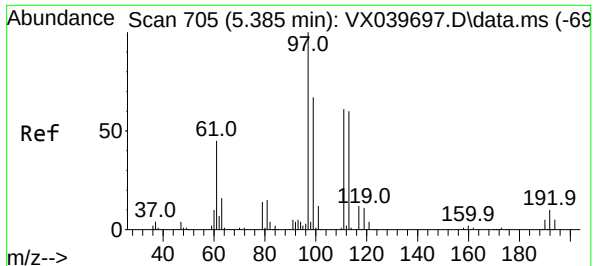
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

88 17.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.799 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX039886.D

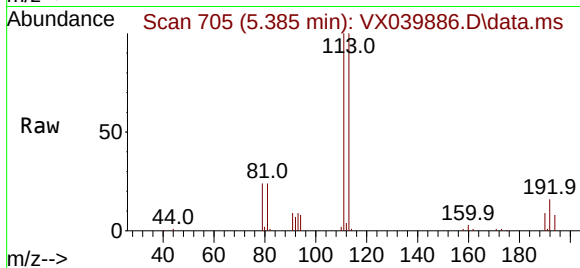
Acq: 22 Jan 2024 16:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-191-GW-298-300



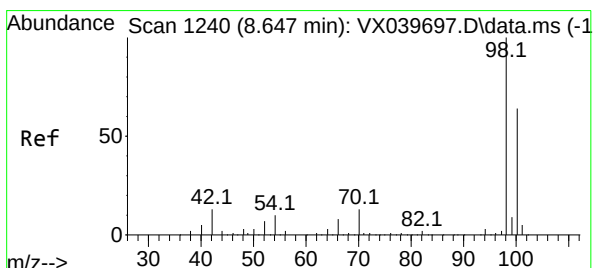
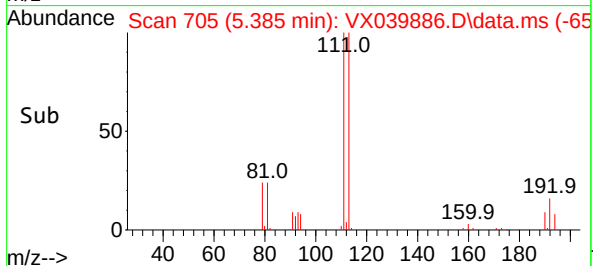
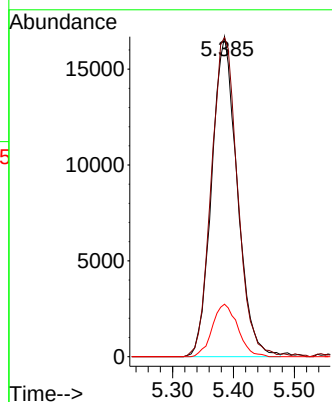
Tgt Ion:113 Resp: 48516

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 16.3 13.3 19.9



#50

Toluene-d8

Concen: 49.326 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039886.D

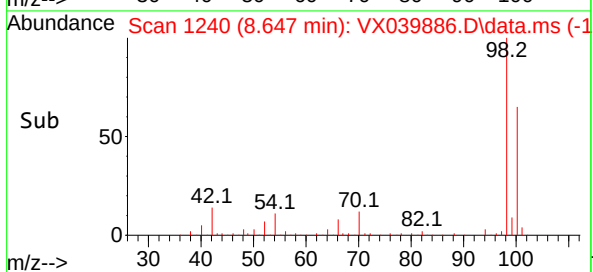
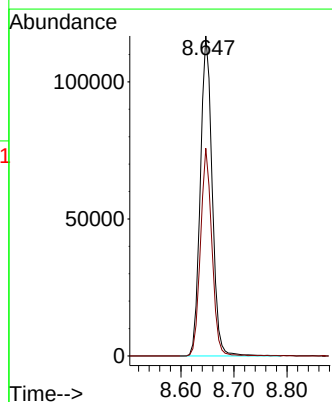
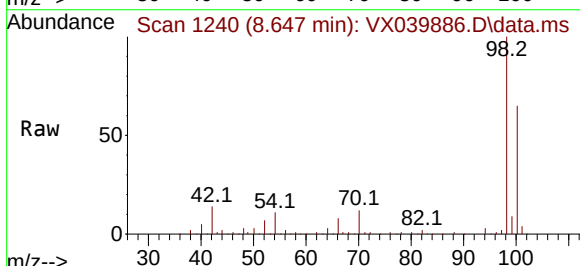
Acq: 22 Jan 2024 16:08

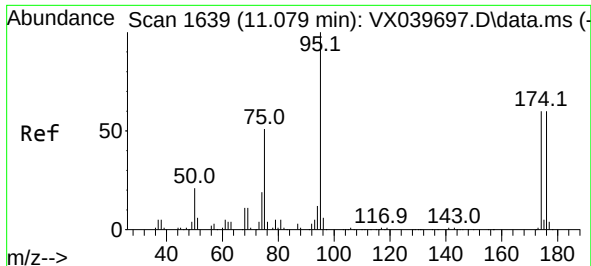
Tgt Ion: 98 Resp: 181244

Ion Ratio Lower Upper

98 100

100 62.6 53.1 79.7

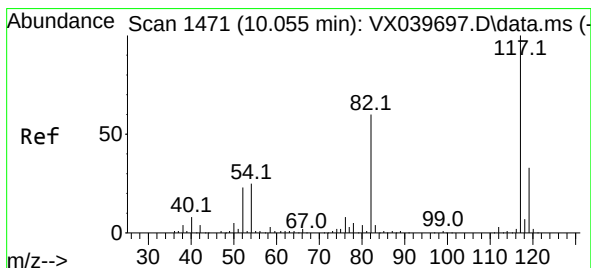
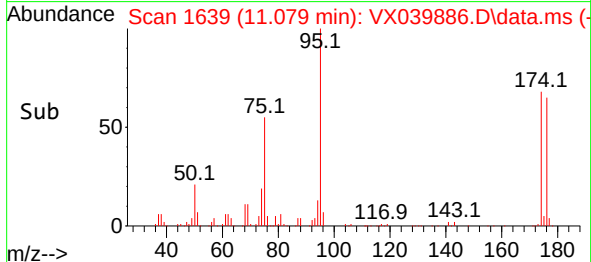
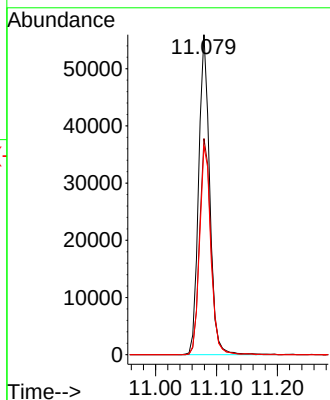
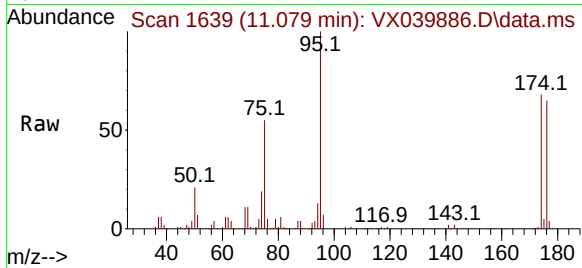




#62
4-Bromofluorobenzene
Concen: 48.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039886.D
Acq: 22 Jan 2024 16:08

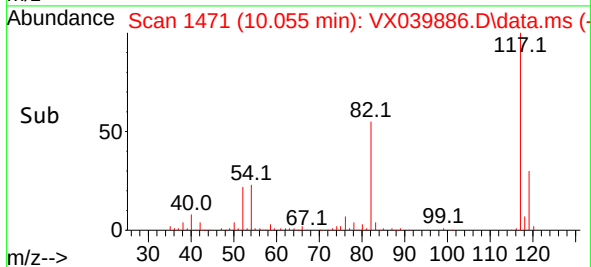
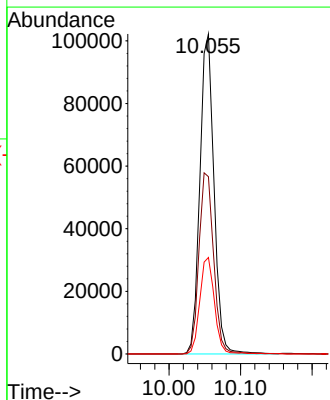
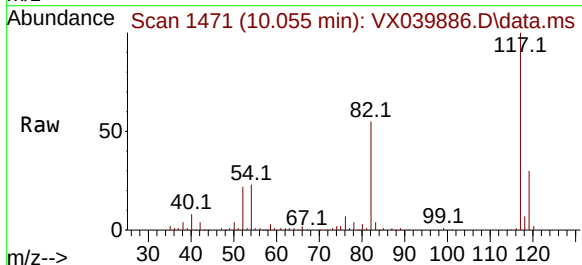
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BP-VPB-191-GW-298-300

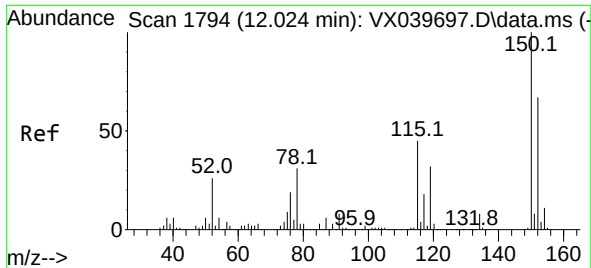
Tgt Ion: 95 Resp: 69996
Ion Ratio Lower Upper
95 100
174 69.7 0.0 135.6
176 66.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039886.D
Acq: 22 Jan 2024 16:08

Tgt Ion: 117 Resp: 140318
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 30.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX039886.D

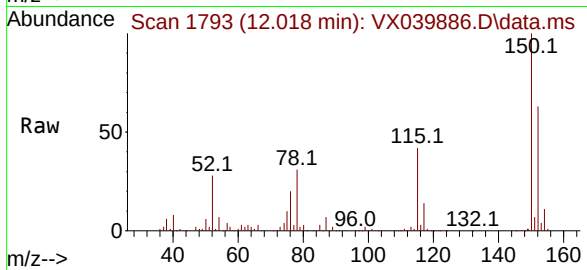
Acq: 22 Jan 2024 16:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-191-GW-298-300



Tgt Ion:152 Resp: 68412

Ion Ratio Lower Upper

152 100

115 64.6 43.3 129.9

150 159.5 0.0 345.0

