

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100622\
 Data File : VX031940.D
 Acq On : 06 Oct 2022 23:57
 Operator : JC/MD
 Sample : N4883-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-136

Quant Time: Oct 07 08:10:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

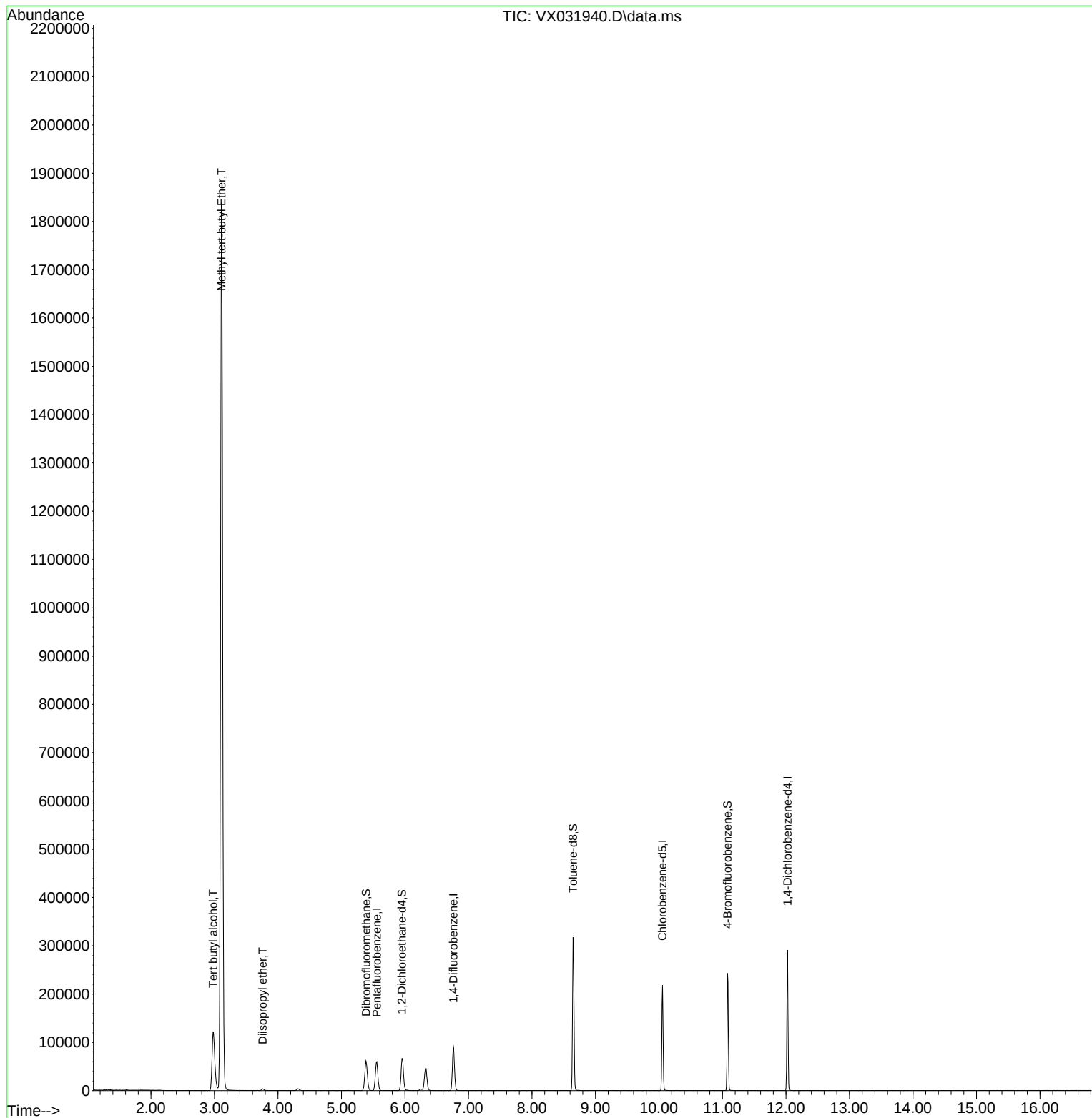
Internal Standards						
1) Pentafluorobenzene	5.556	168	56205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	93030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	96641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62992	54.268	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.540%
35) Dibromofluoromethane	5.385	113	51815	49.205	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.400%
50) Toluene-d8	8.647	98	187563	49.499	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.000%
62) 4-Bromofluorobenzene	11.079	95	64306	48.004	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.000%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	176814	1224.328	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	2052996	714.612	ug/l	99
22) Diisopropyl ether	3.758	45	3335	1.218	ug/l #	70

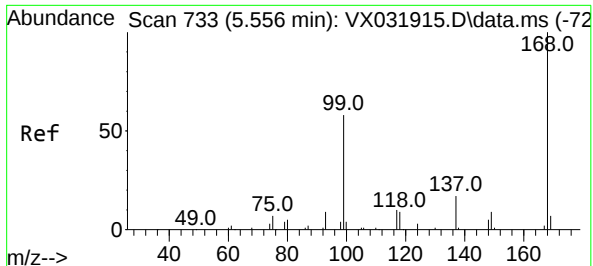
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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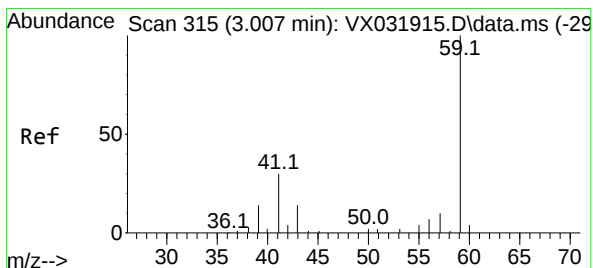
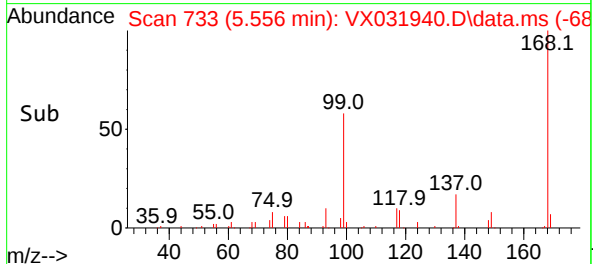
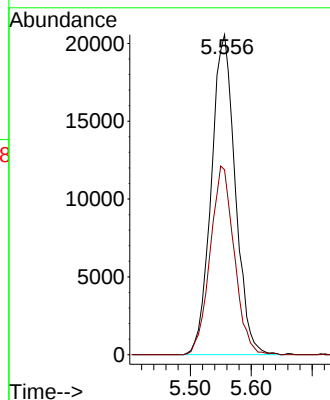
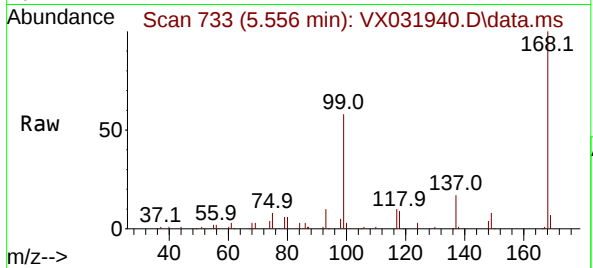




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031940.D
Acq: 06 Oct 2022 23:57

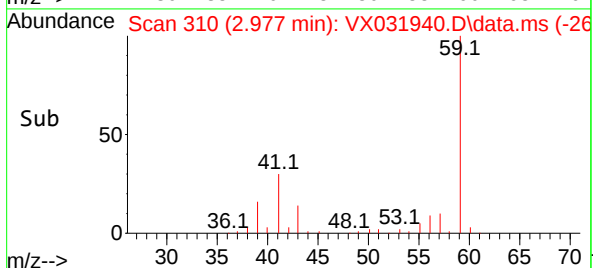
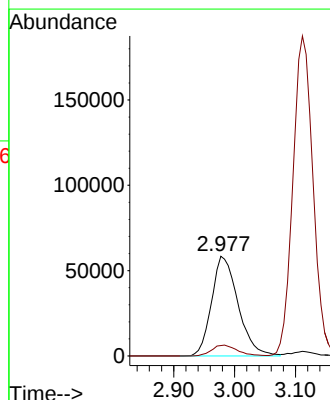
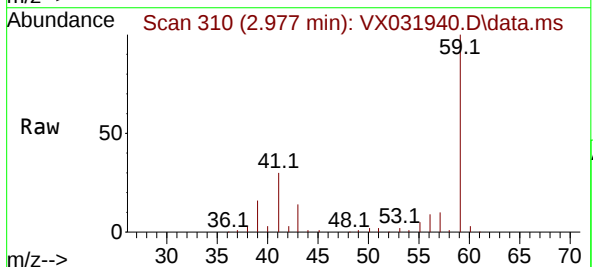
Instrument :
MSVOA_X
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MW-136

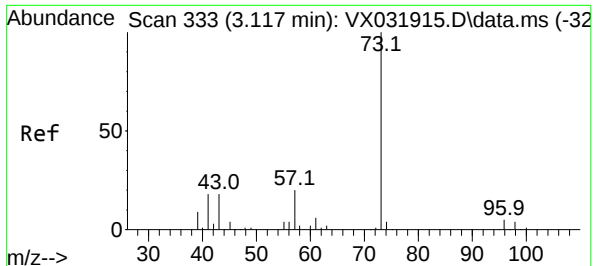
Tgt Ion:168 Resp: 56205
Ion Ratio Lower Upper
168 100
99 57.8 48.8 73.2



#11
Tert butyl alcohol
Concen: 1224.328 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.030 min
Lab File: VX031940.D
Acq: 06 Oct 2022 23:57

Tgt Ion: 59 Resp: 176814
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

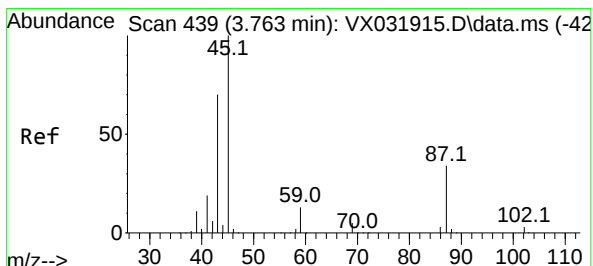
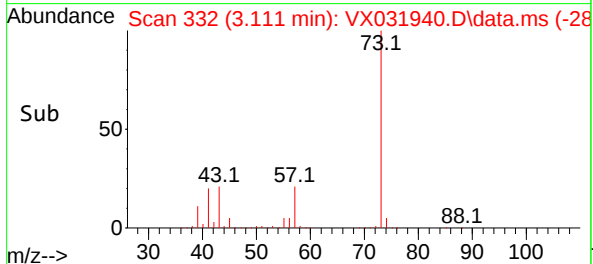
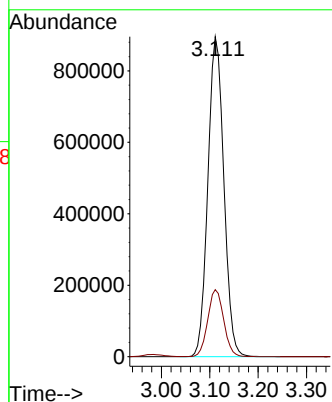
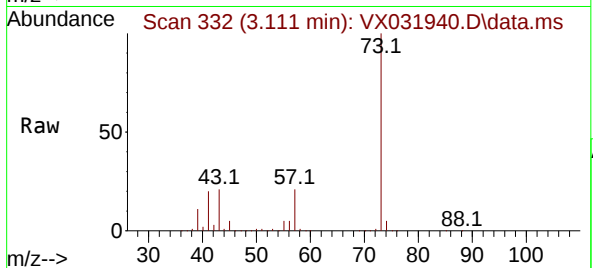




#19
Methyl tert-butyl Ether
Concen: 714.612 ug/l
RT: 3.111 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX031940.D
Acq: 06 Oct 2022 23:57

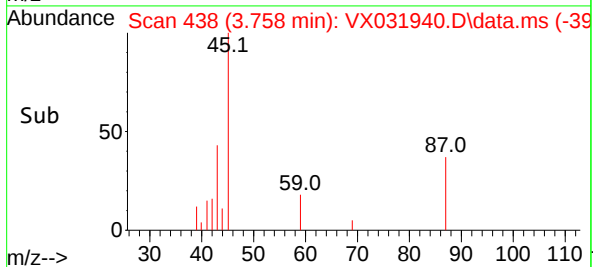
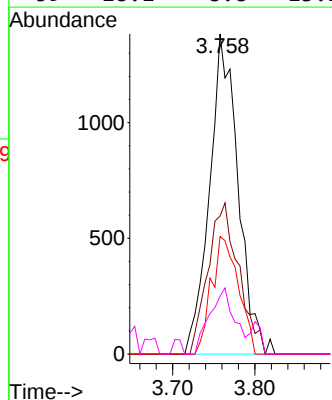
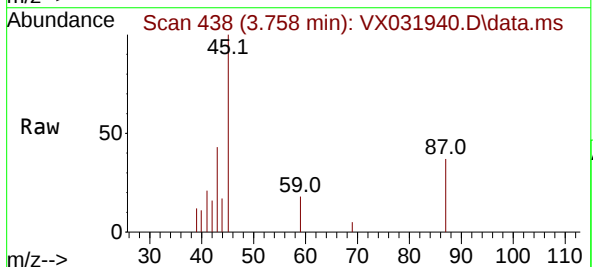
Instrument :
MSVOA_X
ClientSampleId :
MW-136

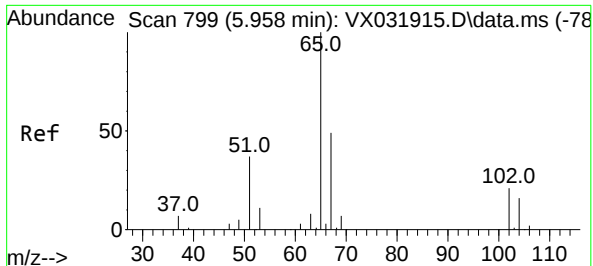
Tgt Ion: 73 Resp: 2052996
Ion Ratio Lower Upper
73 100
57 20.9 17.2 25.8



#22
Diisopropyl ether
Concen: 1.218 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.005 min
Lab File: VX031940.D
Acq: 06 Oct 2022 23:57

Tgt Ion: 45 Resp: 3335
Ion Ratio Lower Upper
45 100
43 43.1 59.0 88.6#
87 36.7 22.6 33.8#
59 18.1 8.8 13.2#





#33

1,2-Dichloroethane-d4

Concen: 54.268 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX031940.D

Acq: 06 Oct 2022 23:57

Instrument :

MSVOA_X

ClientSampleId :

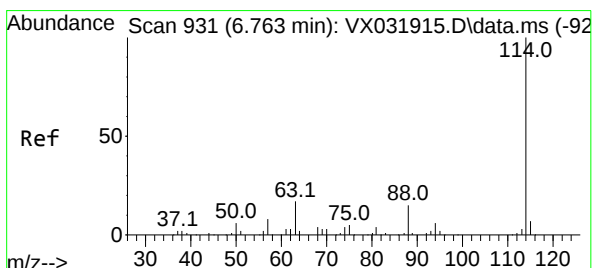
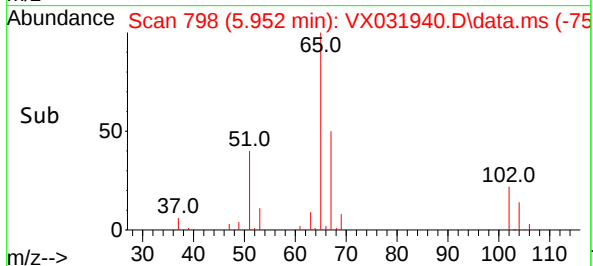
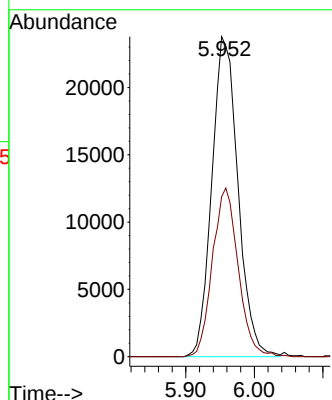
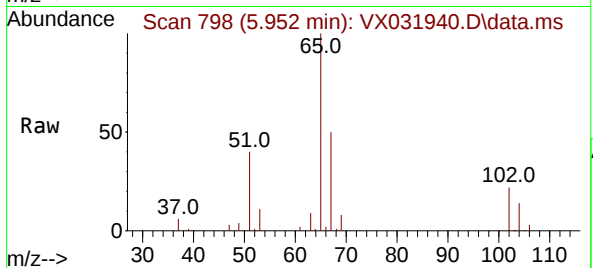
MW-136

Tgt Ion: 65 Resp: 62992

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031940.D

Acq: 06 Oct 2022 23:57

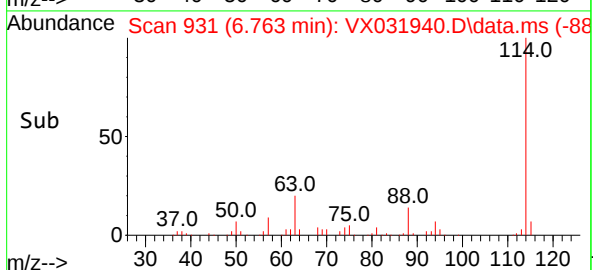
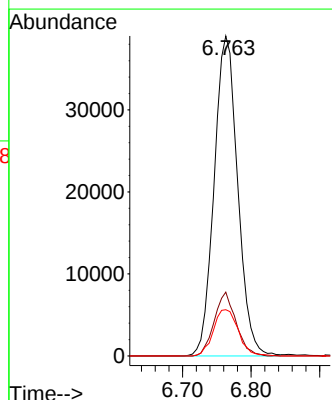
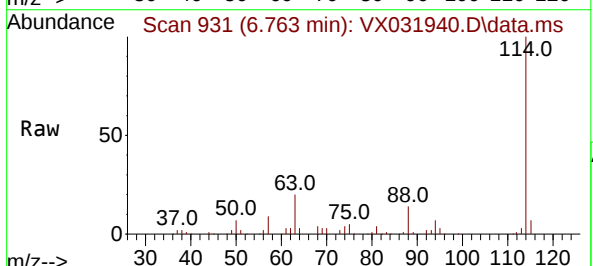
Tgt Ion: 114 Resp: 93030

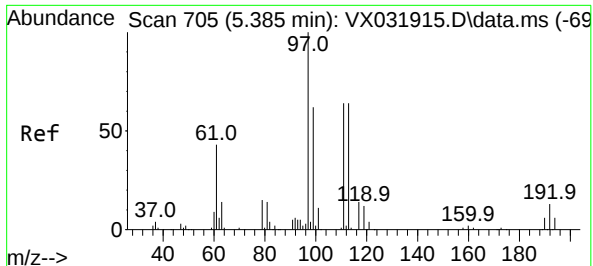
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 14.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.205 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031940.D

Acq: 06 Oct 2022 23:57

Instrument :

MSVOA_X

ClientSampleId :

MW-136

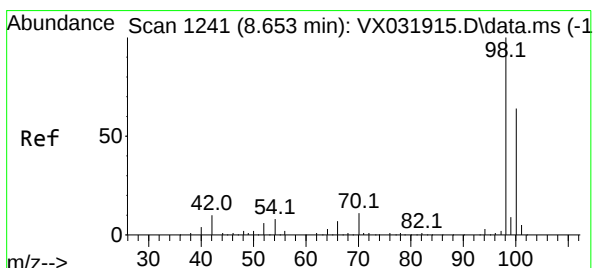
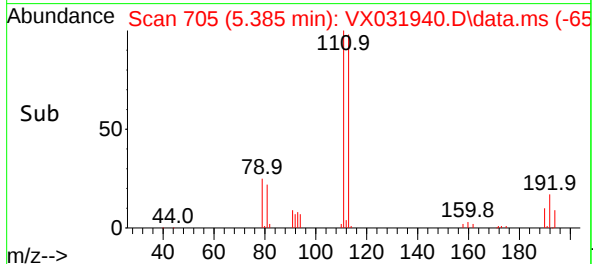
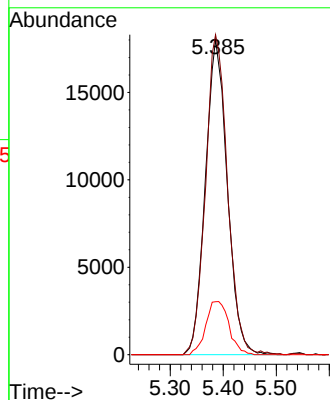
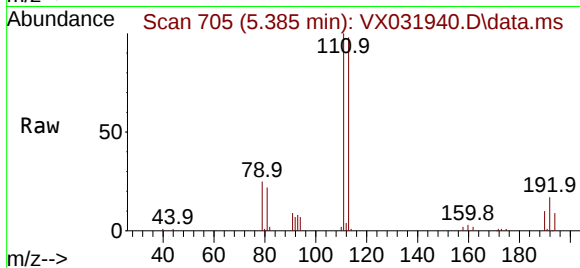
Tgt Ion:113 Resp: 51815

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

192 17.8 14.1 21.1



#50

Toluene-d8

Concen: 49.499 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031940.D

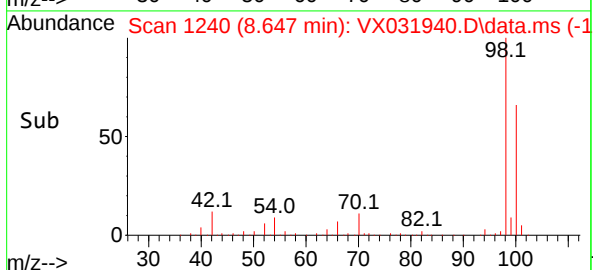
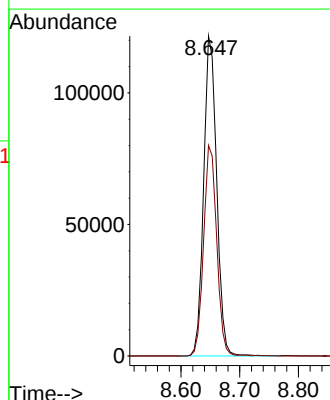
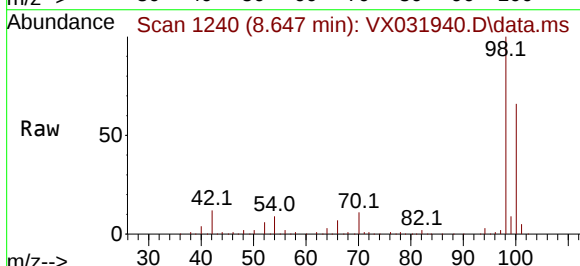
Acq: 06 Oct 2022 23:57

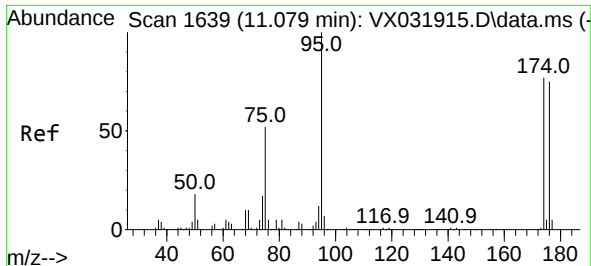
Tgt Ion: 98 Resp: 187563

Ion Ratio Lower Upper

98 100

100 66.4 52.5 78.7

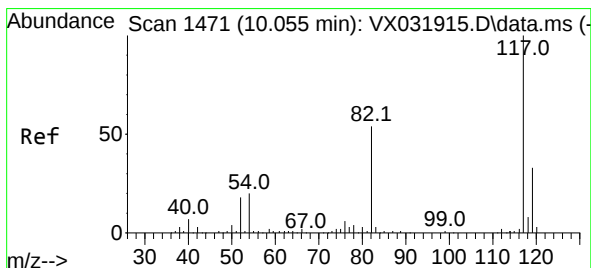
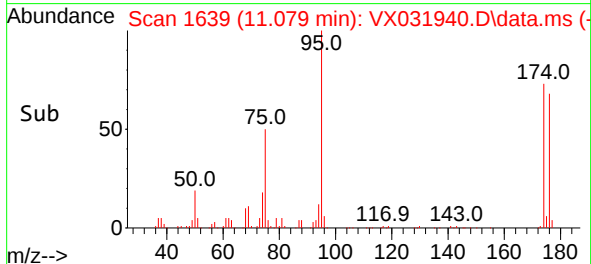
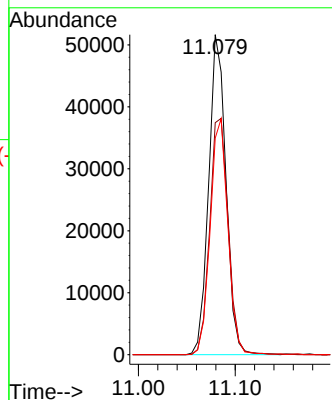
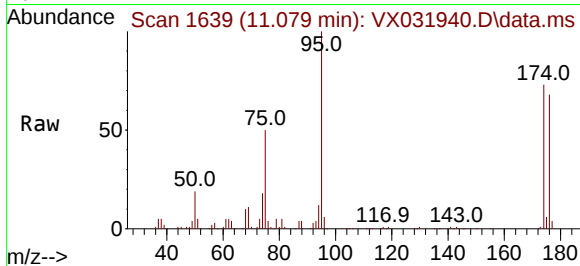




#62
4-Bromofluorobenzene
Concen: 48.004 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031940.D
Acq: 06 Oct 2022 23:57

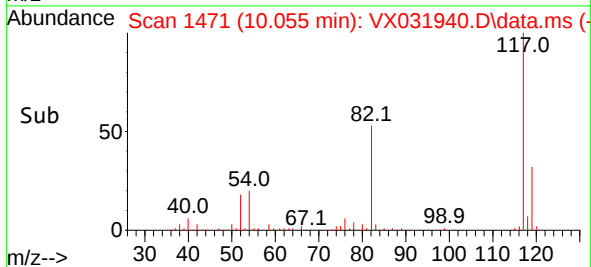
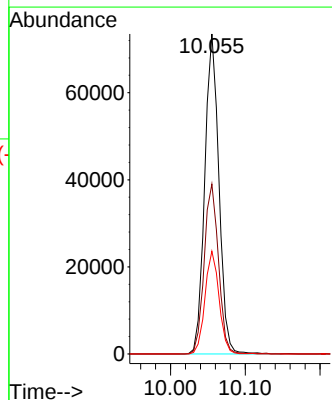
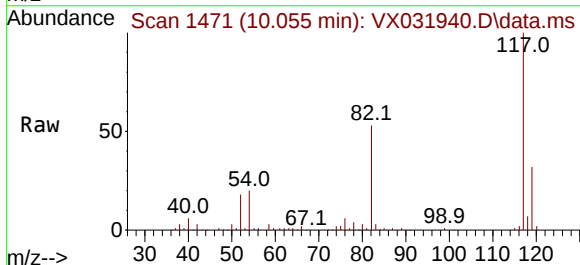
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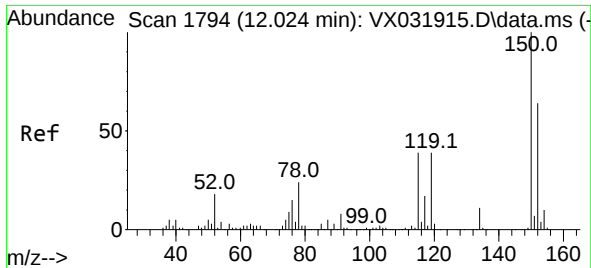
Tgt Ion: 95 Resp: 64306
Ion Ratio Lower Upper
95 100
174 79.3 0.0 153.2
176 75.2 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031940.D
Acq: 06 Oct 2022 23:57

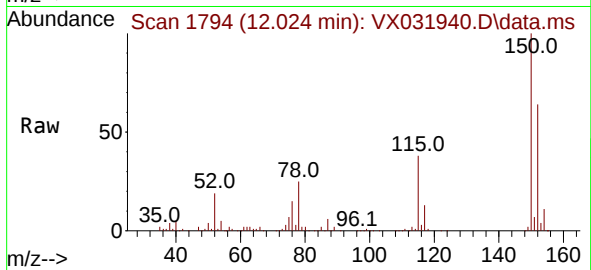
Tgt Ion: 117 Resp: 96641
Ion Ratio Lower Upper
117 100
82 53.1 46.8 70.2
119 32.1 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031940.D
 Acq: 06 Oct 2022 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-136



Tgt Ion:152 Resp: 58812
 Ion Ratio Lower Upper
 152 100
 115 60.9 43.4 130.1
 150 157.3 0.0 346.8

