

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034733.D
 Acq On : 24 Mar 2023 19:57
 Operator : JC/MD
 Sample : 02080-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-5

Quant Time: Mar 27 01:35:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

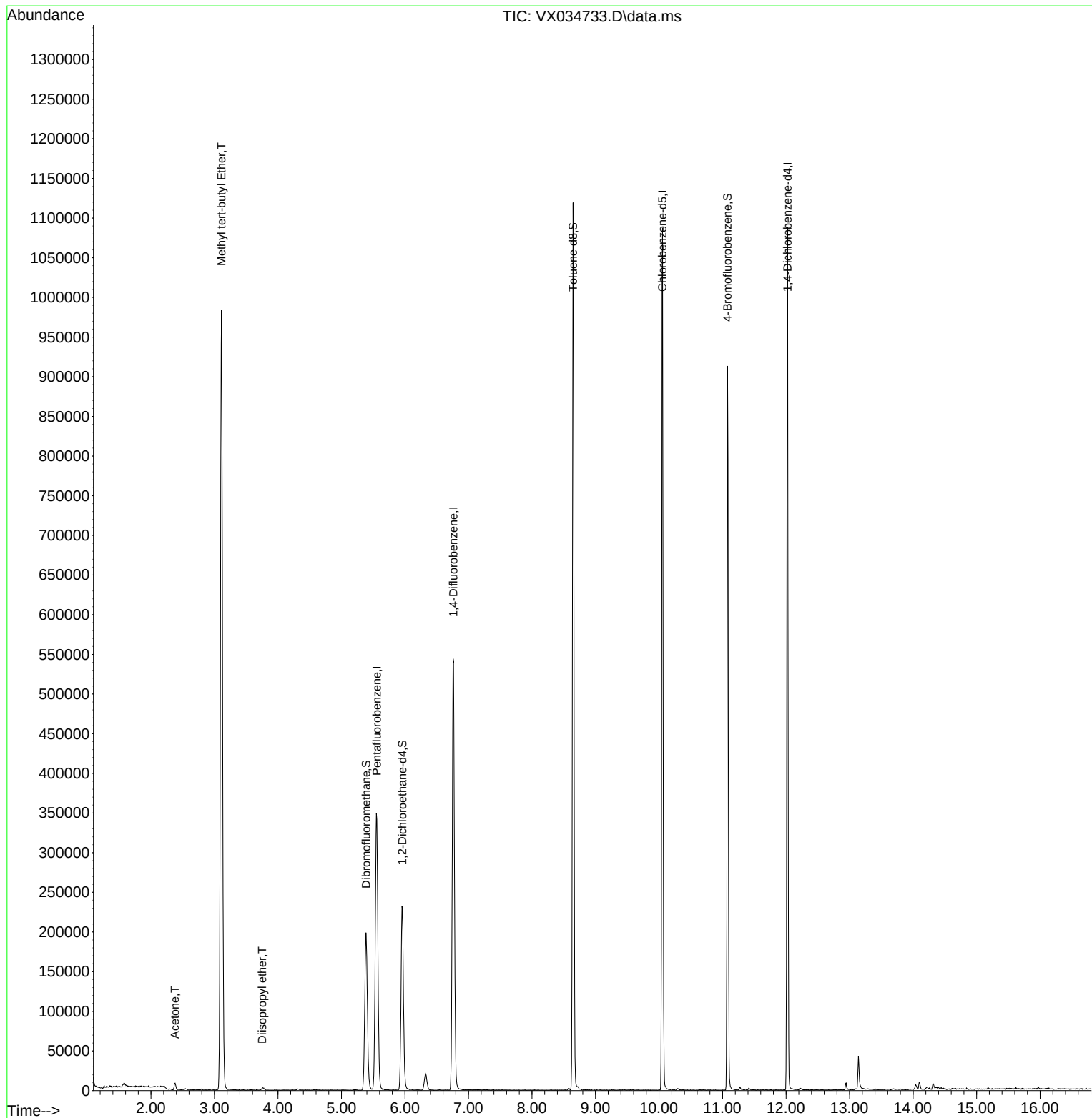
Internal Standards						
1) Pentafluorobenzene	5.556	168	321286	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	545628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	485876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	221777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	228661	48.921	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.840%
35) Dibromofluoromethane	5.385	113	173522	48.167	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.340%
50) Toluene-d8	8.647	98	650518	48.372	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.740%
62) 4-Bromofluorobenzene	11.079	95	251706	46.337	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.680%
Target Compounds						
					Qvalue	
16) Acetone	2.379	43	9111	4.138	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1079531	85.722	ug/l	98
22) Diisopropyl ether	3.751	45	3460	0.254	ug/l #	70

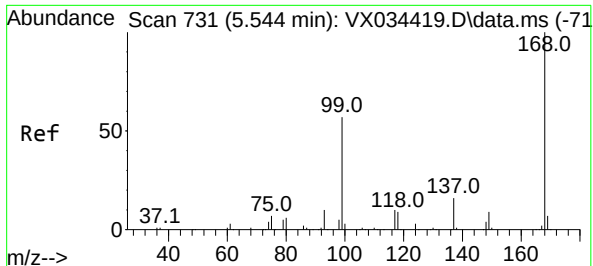
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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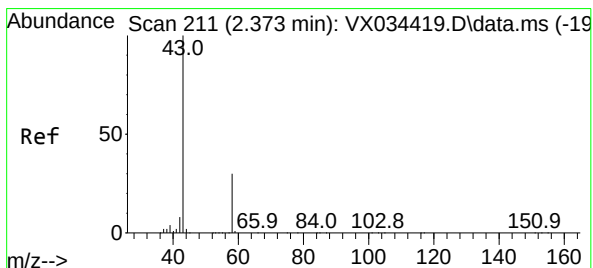
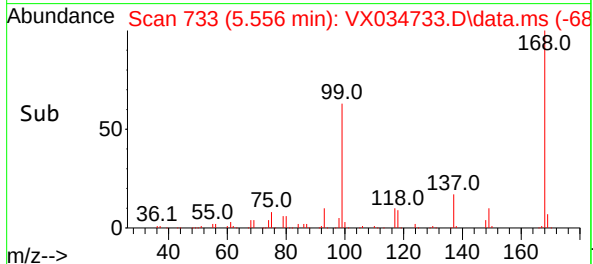
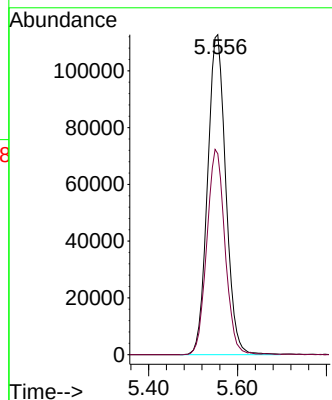
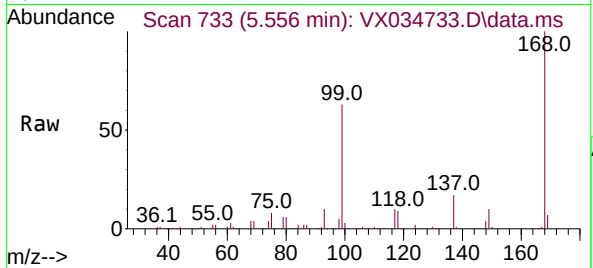




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

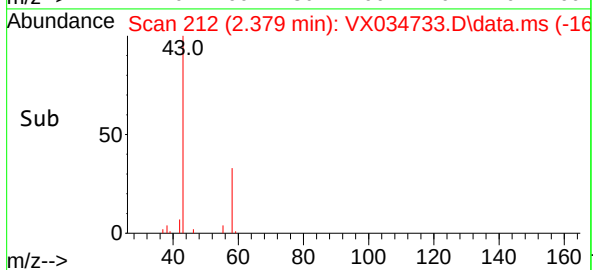
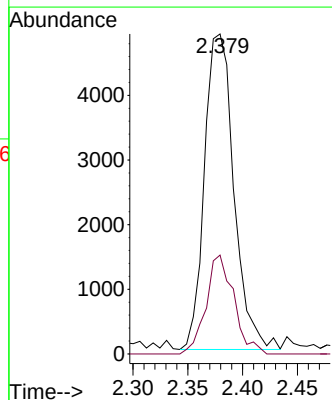
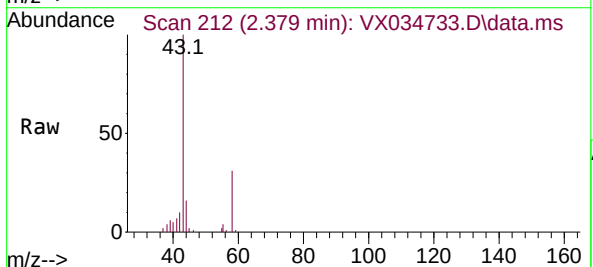
Instrument :
MSVOA_X
ClientSampleId :
T-5

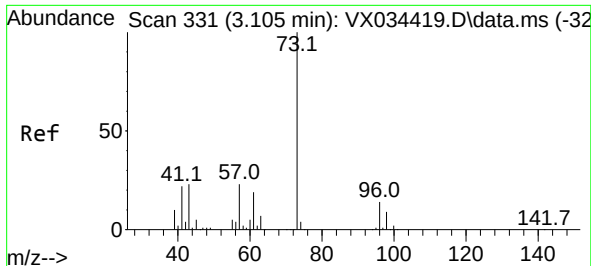
Tgt Ion:168 Resp: 321286
Ion Ratio Lower Upper
168 100
99 62.8 45.7 68.5



#16
Acetone
Concen: 4.138 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Tgt Ion: 43 Resp: 9111
Ion Ratio Lower Upper
43 100
58 31.3 24.7 37.1

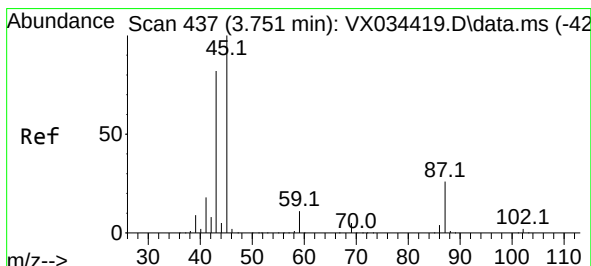
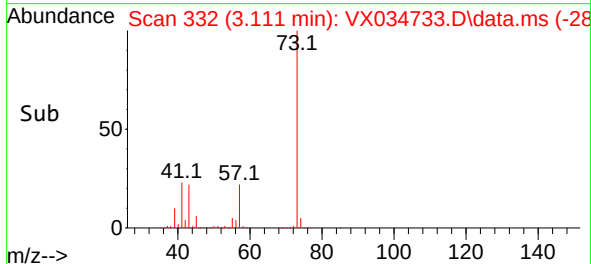
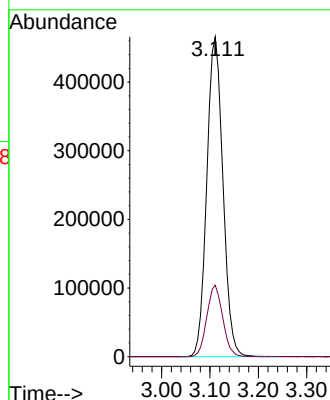
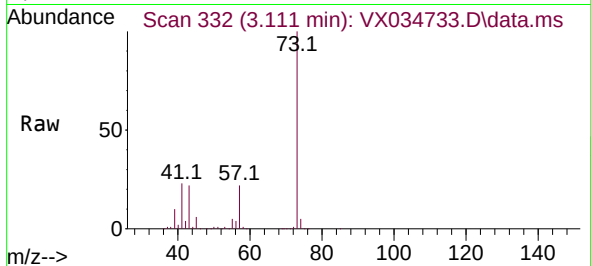




#19
Methyl tert-butyl Ether
Concen: 85.722 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

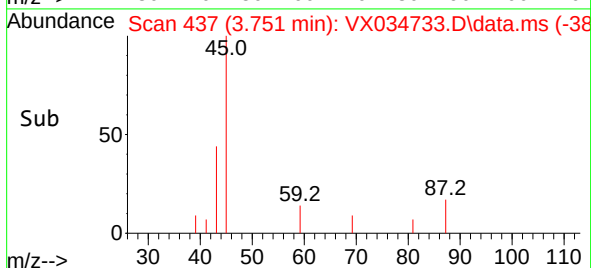
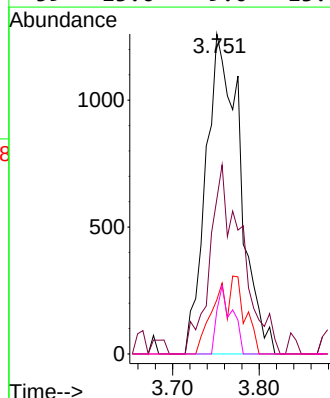
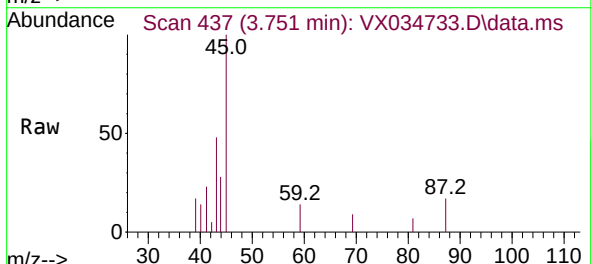
Instrument :
MSVOA_X
ClientSampleId :
T-5

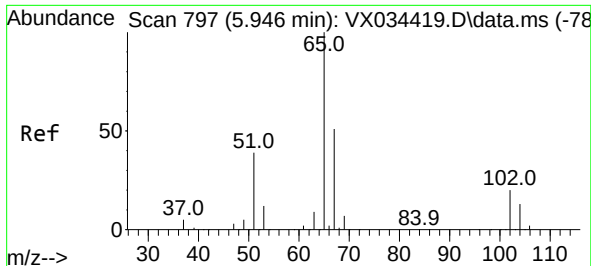
Tgt Ion: 73 Resp: 1079531
Ion Ratio Lower Upper
73 100
57 22.3 18.5 27.7



#22
Diisopropyl ether
Concen: 0.254 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.000 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Tgt Ion: 45 Resp: 3460
Ion Ratio Lower Upper
45 100
43 48.4 65.4 98.2#
87 16.9 20.6 31.0#
59 13.6 9.0 13.6#





#33

1,2-Dichloroethane-d4

Concen: 48.921 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034733.D

Acq: 24 Mar 2023 19:57

Instrument :

MSVOA_X

ClientSampleId :

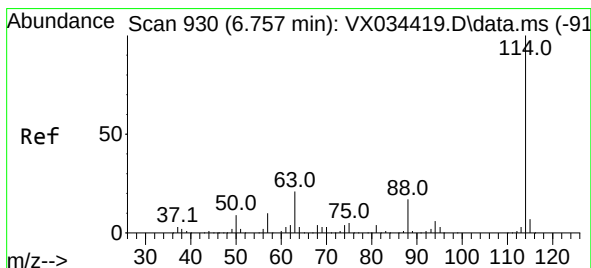
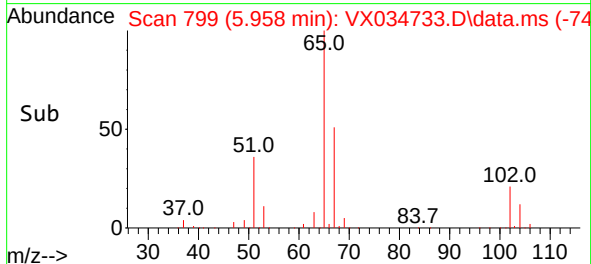
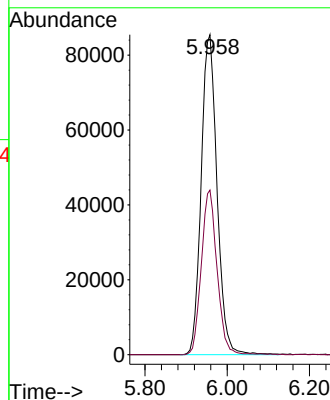
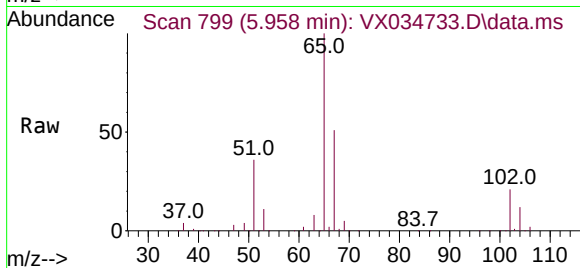
T-5

Tgt Ion: 65 Resp: 228661

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034733.D

Acq: 24 Mar 2023 19:57

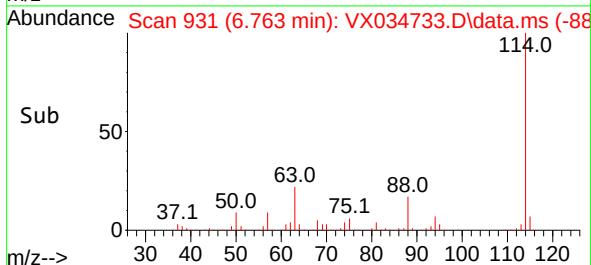
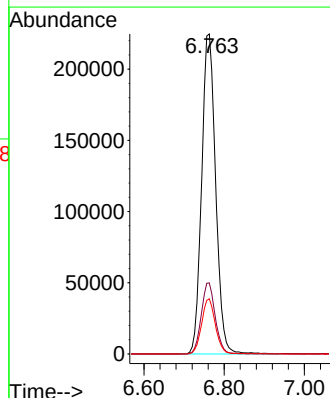
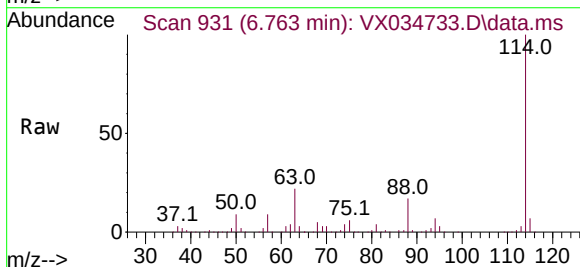
Tgt Ion: 114 Resp: 545628

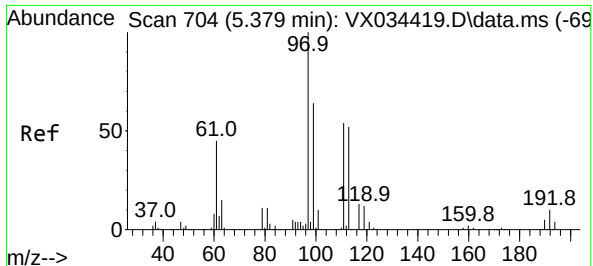
Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.2

88 17.3 0.0 33.2

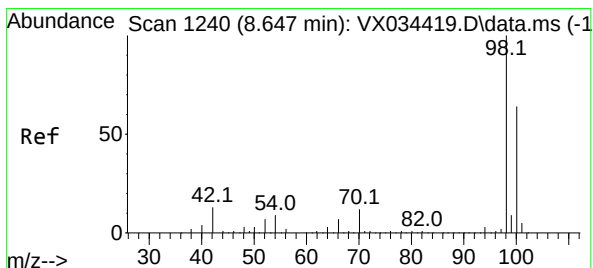
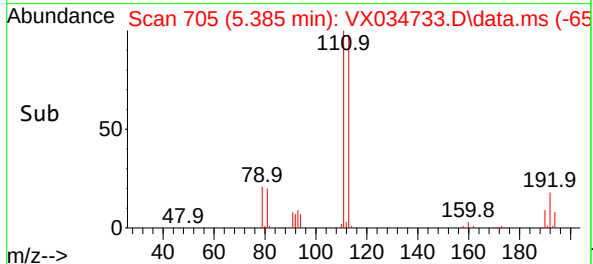
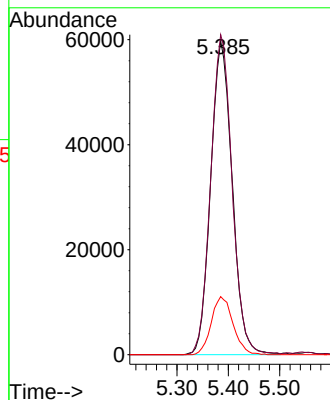
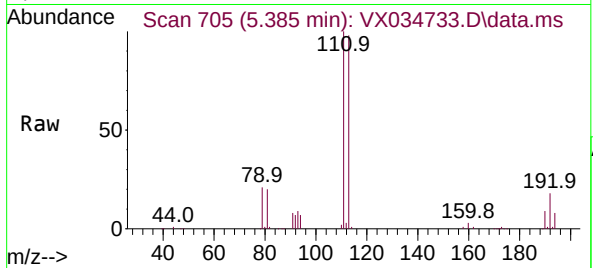




#35
Dibromofluoromethane
Concen: 48.167 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

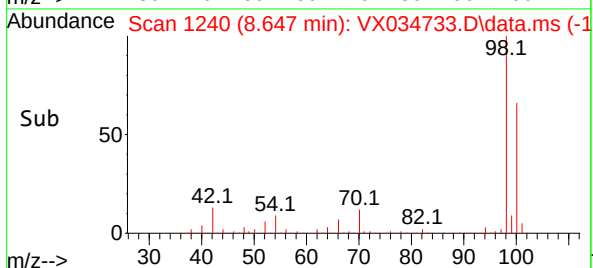
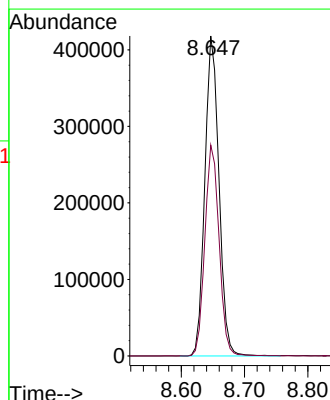
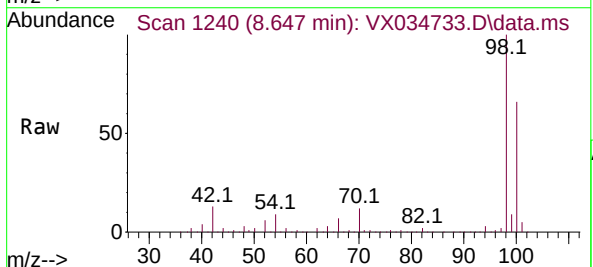
Instrument :
MSVOA_X
ClientSampleId :
T-5

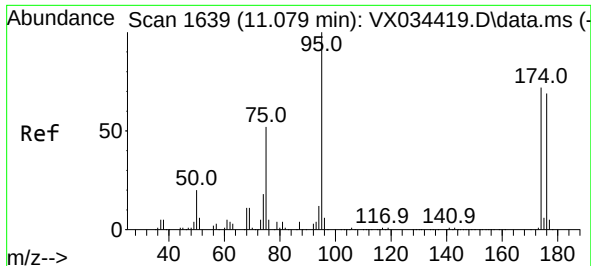
Tgt Ion:113 Resp: 173522
Ion Ratio Lower Upper
113 100
111 101.7 83.7 125.5
192 18.7 15.4 23.2



#50
Toluene-d8
Concen: 48.372 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034733.D
Acq: 24 Mar 2023 19:57

Tgt Ion: 98 Resp: 650518
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 46.337 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034733.D

Acq: 24 Mar 2023 19:57

Instrument :

MSVOA_X

ClientSampleId :

T-5

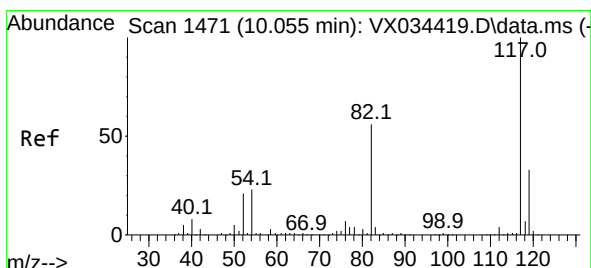
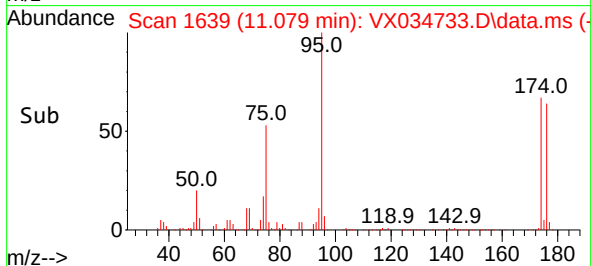
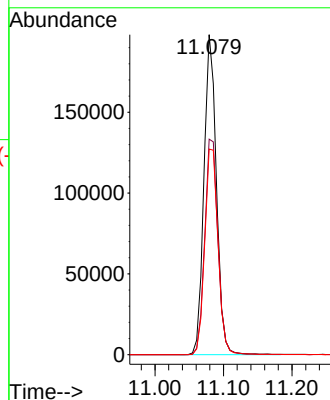
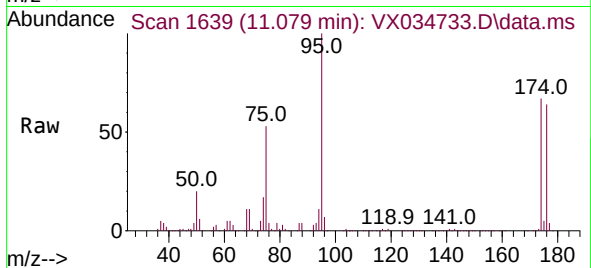
Tgt Ion: 95 Resp: 251706

Ion Ratio Lower Upper

95 100

174 71.2 0.0 147.4

176 68.7 0.0 140.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX034733.D

Acq: 24 Mar 2023 19:57

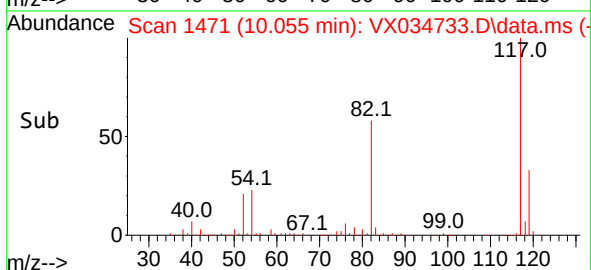
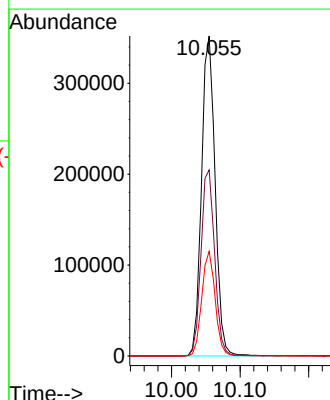
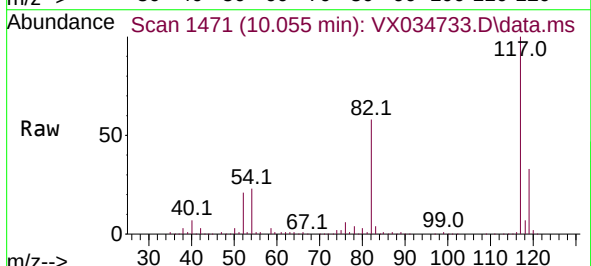
Tgt Ion: 117 Resp: 485876

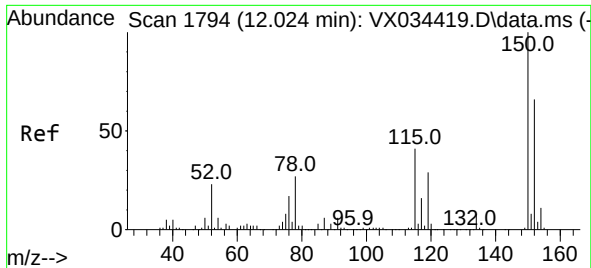
Ion Ratio Lower Upper

117 100

82 58.2 45.0 67.4

119 32.7 26.0 39.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX034733.D
 Acq: 24 Mar 2023 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 T-5

Tgt Ion:152 Resp: 221777
 Ion Ratio Lower Upper
 152 100
 115 63.1 45.0 135.0
 150 158.0 0.0 352.4

