

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034729.D
 Acq On : 24 Mar 2023 18:25
 Operator : JC/MD
 Sample : 02048-06DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7DL

Quant Time: Mar 27 01:34:44 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)

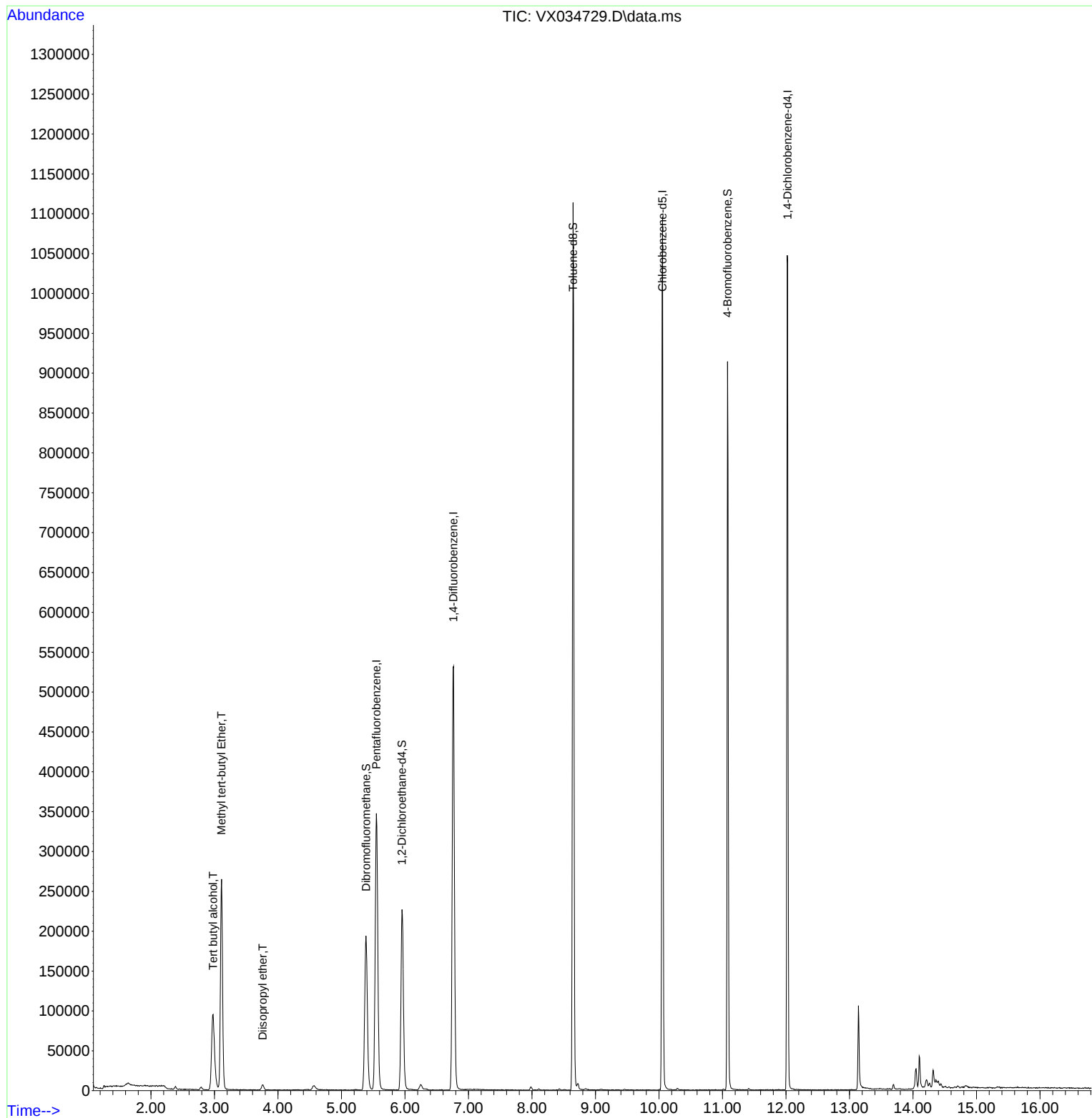
Internal Standards						
1) Pentafluorobenzene	5.550	168	311784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	531887	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	478264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	218052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	230483	50.814	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.620%
35) Dibromofluoromethane	5.385	113	168951	48.110	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.220%
50) Toluene-d8	8.647	98	635074	48.443	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.880%
62) 4-Bromofluorobenzene	11.079	95	245106	46.287	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.580%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.977	59	167377	177.202	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	287380	23.515	ug/l	98
22) Diisopropyl ether	3.757	45	7013	0.532	ug/l #	75

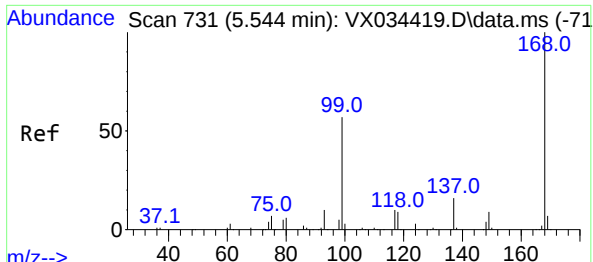
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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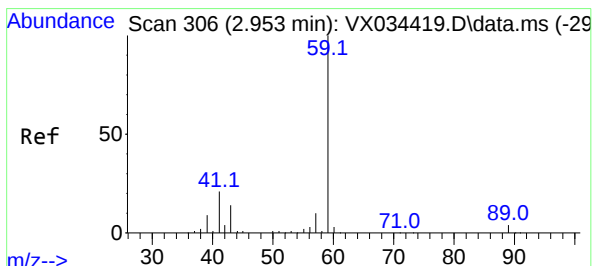
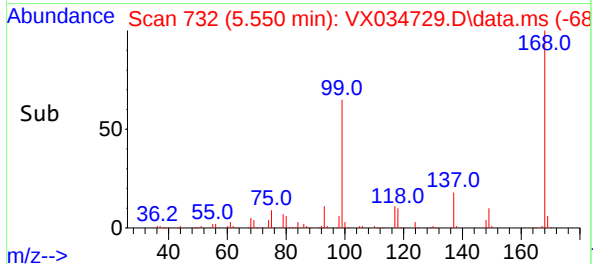
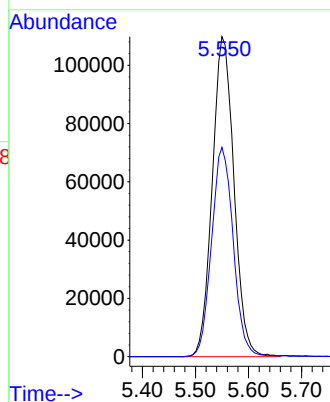
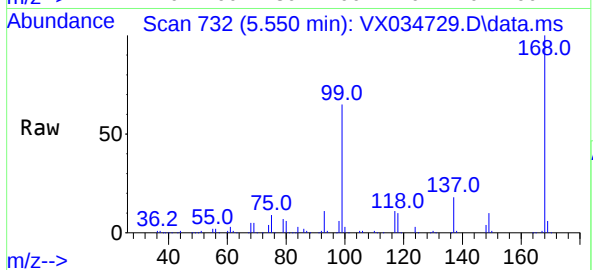




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

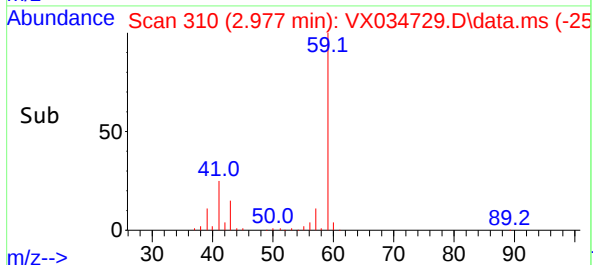
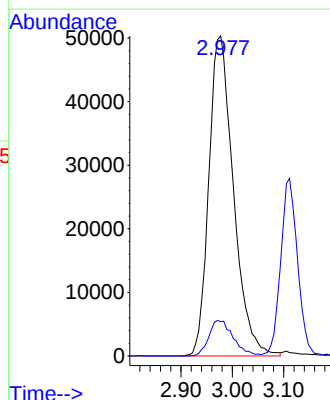
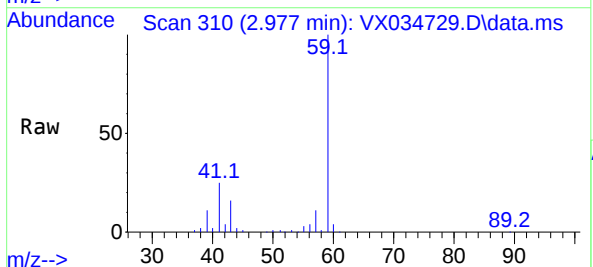
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

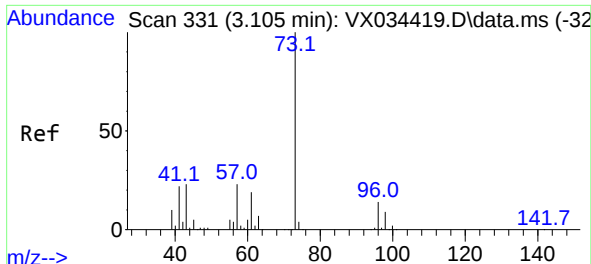
Tgt Ion:168 Resp: 311784
Ion Ratio Lower Upper
168 100
99 65.4 45.7 68.5



#11
Tert butyl alcohol
Concen: 177.202 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.025 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Tgt Ion: 59 Resp: 167377
Ion Ratio Lower Upper
59 100
57 11.0 8.1 12.1

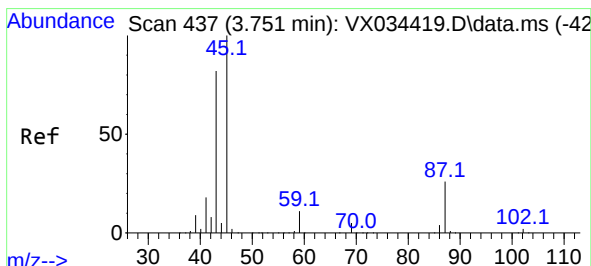
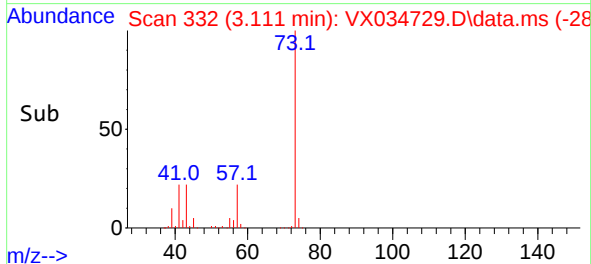
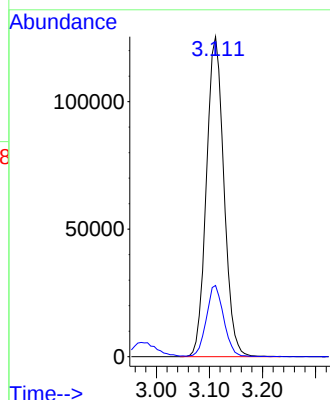
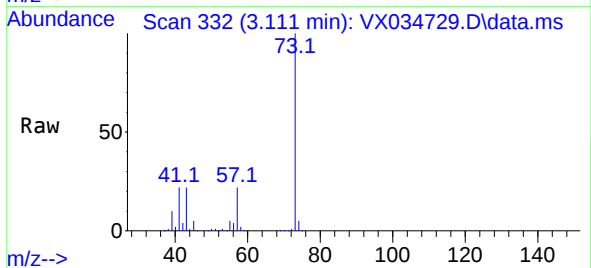




#19
Methyl tert-butyl Ether
Concen: 23.515 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

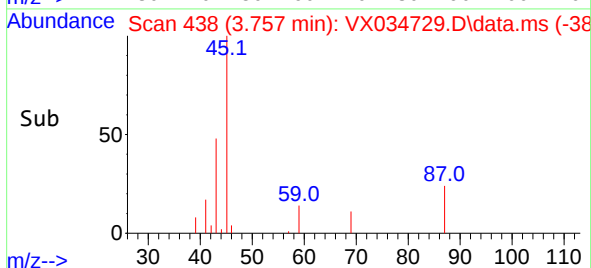
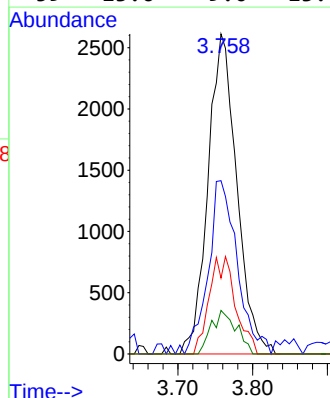
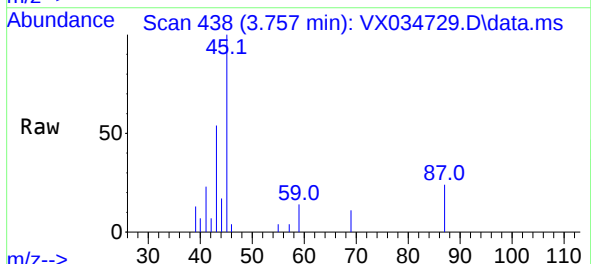
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

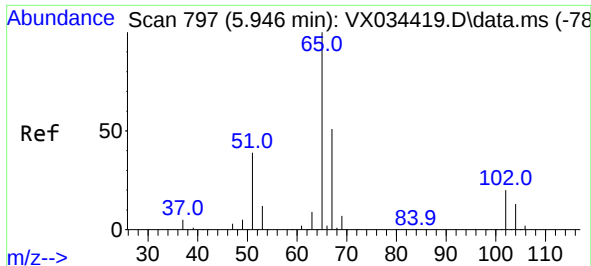
Tgt Ion: 73 Resp: 287380
Ion Ratio Lower Upper
73 100
57 22.1 18.5 27.7



#22
Diisopropyl ether
Concen: 0.532 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Tgt Ion: 45 Resp: 7013
Ion Ratio Lower Upper
45 100
43 51.3 65.4 98.2#
87 23.7 20.6 31.0
59 13.6 9.0 13.6#





#33

1,2-Dichloroethane-d4

Concen: 50.814 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX034729.D

Acq: 24 Mar 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

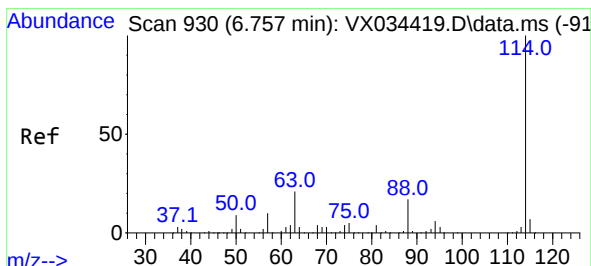
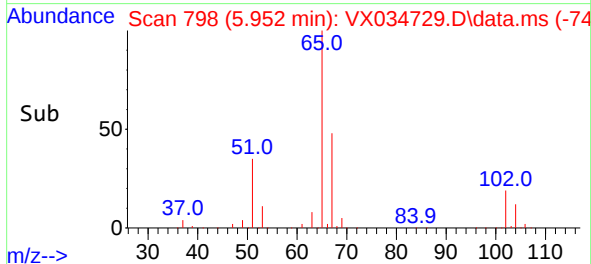
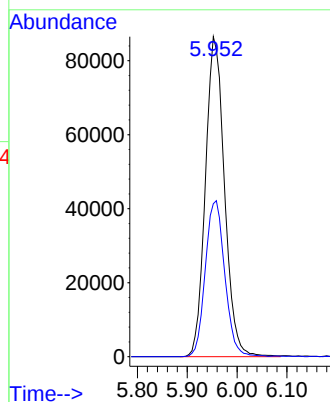
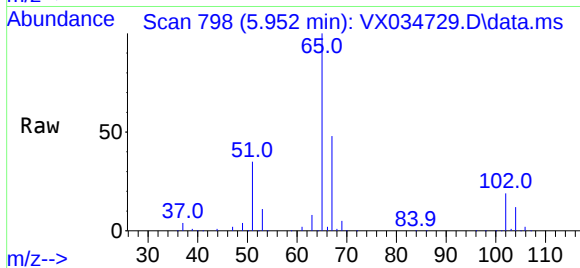
MW-7DL

Tgt Ion: 65 Resp: 230483

Ion Ratio Lower Upper

65 100

67 49.6 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: VX034729.D

Acq: 24 Mar 2023 18:25

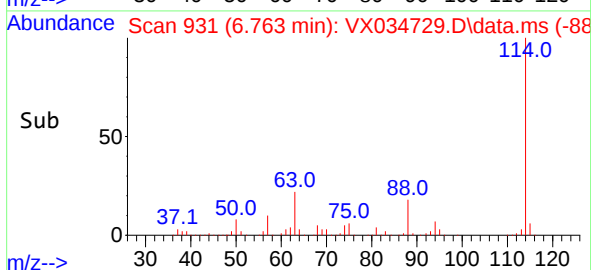
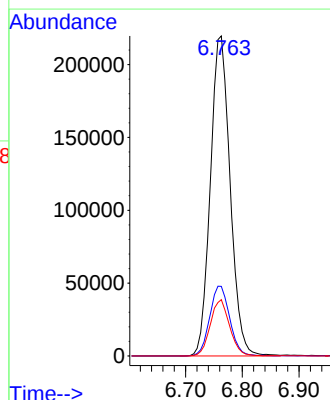
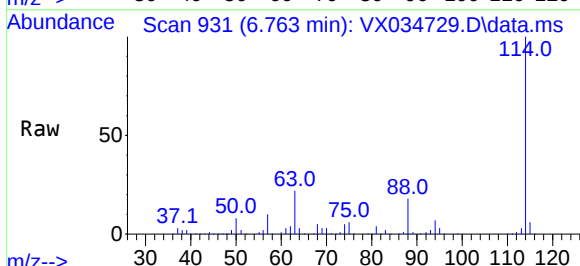
Tgt Ion: 114 Resp: 531887

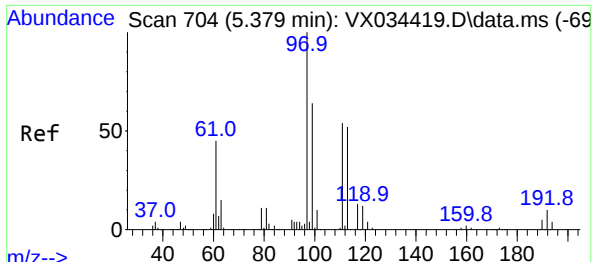
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.2

88 17.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.110 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034729.D

Acq: 24 Mar 2023 18:25

Instrument :

MSVOA_X

ClientSampleId :

MW-7DL

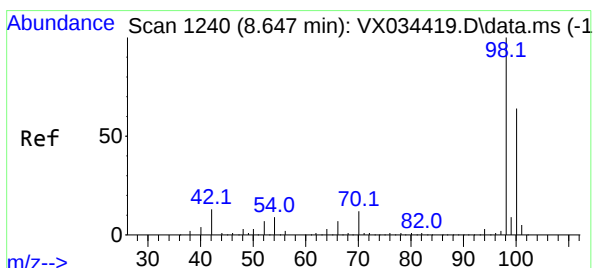
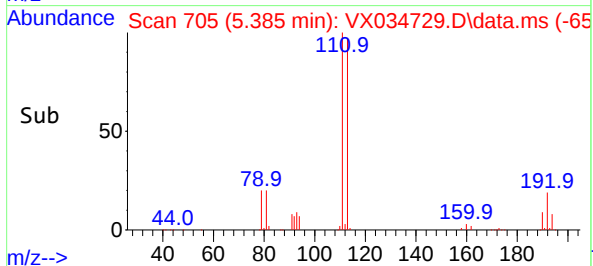
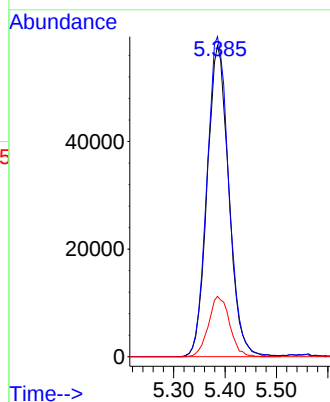
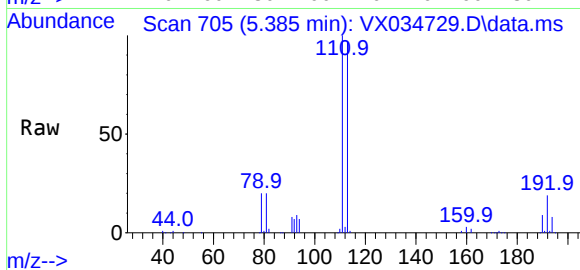
Tgt Ion:113 Resp: 168951

Ion Ratio Lower Upper

113 100

111 104.1 83.7 125.5

192 19.0 15.4 23.2



#50

Toluene-d8

Concen: 48.443 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034729.D

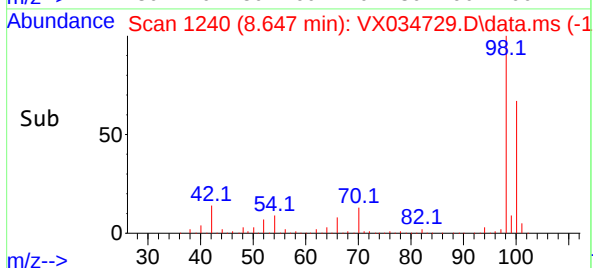
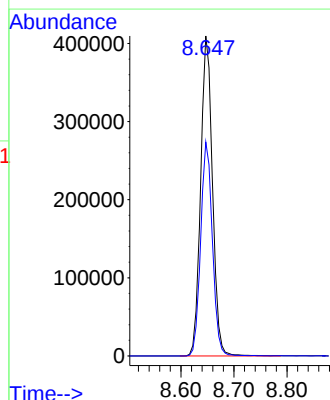
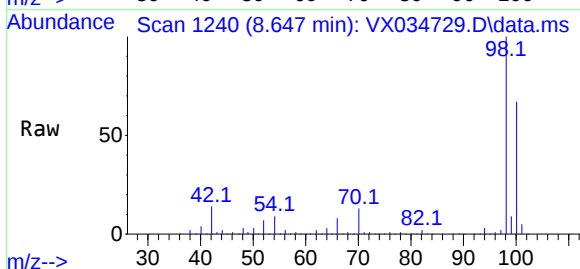
Acq: 24 Mar 2023 18:25

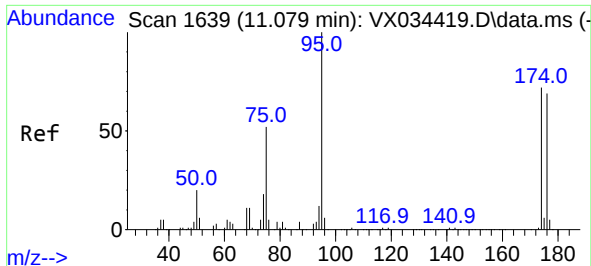
Tgt Ion: 98 Resp: 635074

Ion Ratio Lower Upper

98 100

100 66.4 52.5 78.7

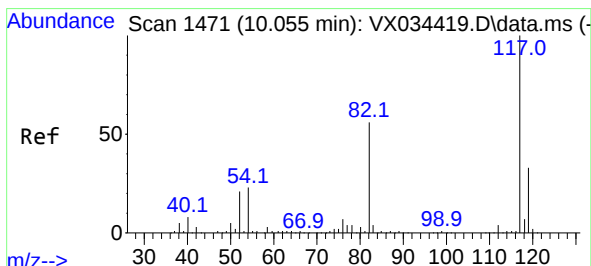
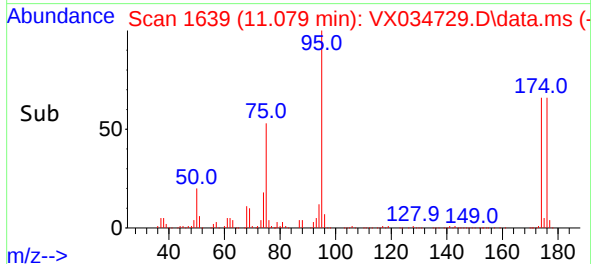
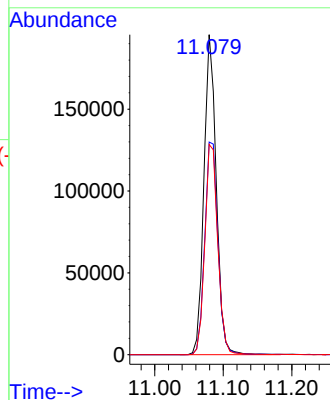
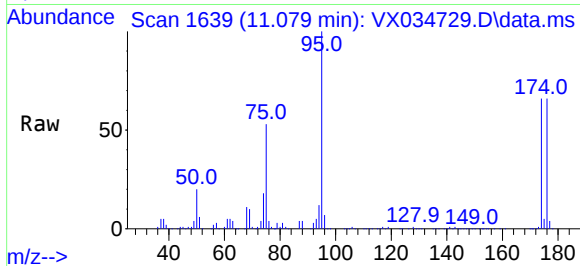




#62
4-Bromofluorobenzene
Concen: 46.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

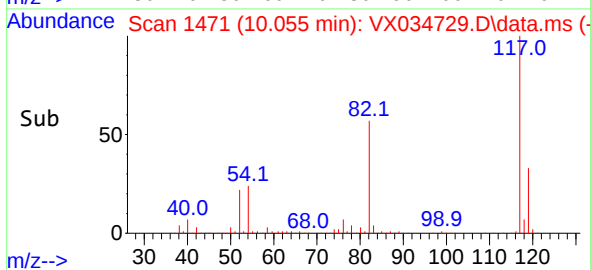
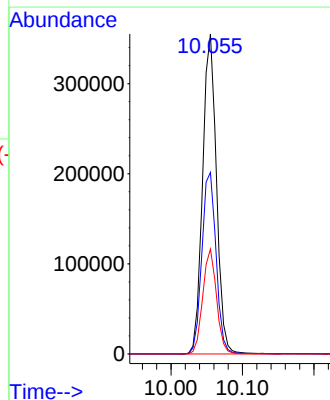
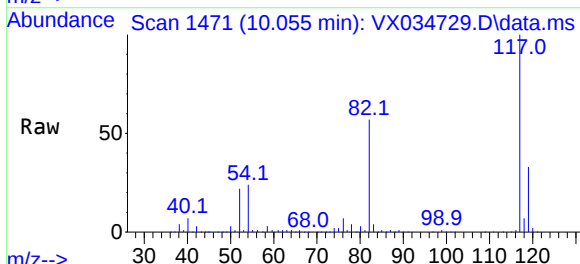
Instrument :
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MW-7DL

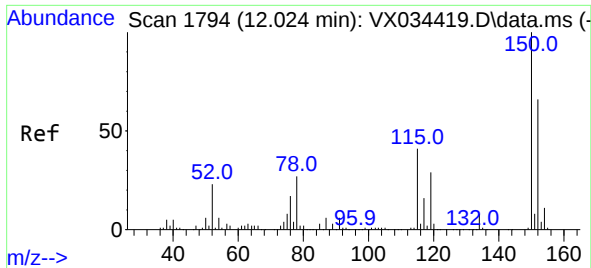
Tgt Ion: 95 Resp: 245106
Ion Ratio Lower Upper
95 100
174 71.1 0.0 147.4
176 69.1 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034729.D
Acq: 24 Mar 2023 18:25

Tgt Ion: 117 Resp: 478264
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.4
119 32.8 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: VX034729.D
 Acq: 24 Mar 2023 18:25

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7DL

Tgt Ion:152 Resp: 218052
 Ion Ratio Lower Upper
 152 100
 115 62.7 45.0 135.0
 150 156.9 0.0 352.4

