

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032123\
 Data File : VX034658.D
 Acq On : 21 Mar 2023 16:38
 Operator : JC/MD
 Sample : 02013-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 600DL

Quant Time: Mar 22 02:07:06 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)

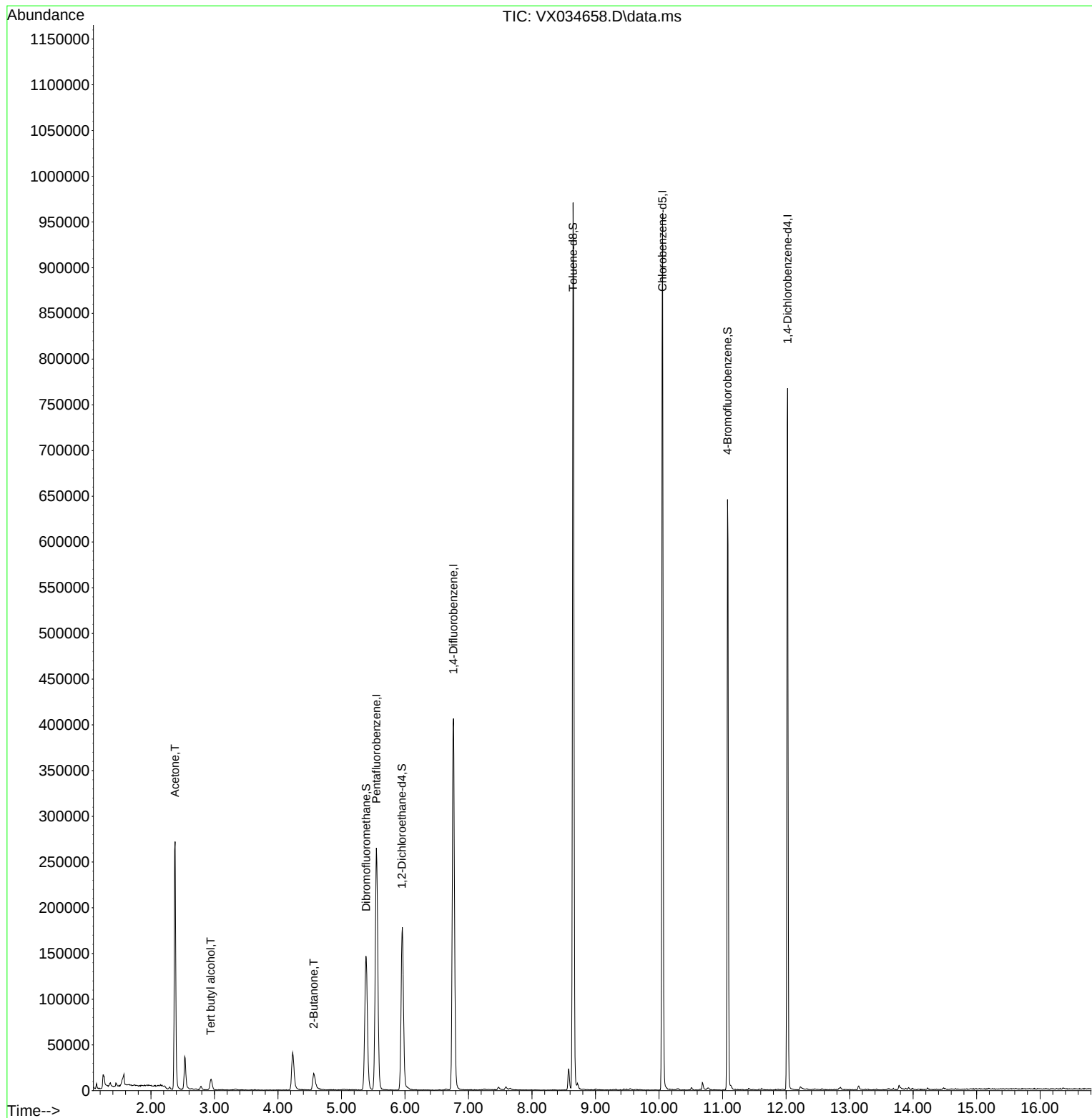
Internal Standards						
1) Pentafluorobenzene	5.550	168	247537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	416250	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	396685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	165713	46.017	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.040%
35) Dibromofluoromethane	5.385	113	128437	46.734	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.460%
50) Toluene-d8	8.647	98	546999	53.316	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.640%
62) 4-Bromofluorobenzene	11.079	95	171982	41.501	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	8524	11.367	ug/l #	73
16) Acetone	2.379	43	285324	168.201	ug/l	98
25) 2-Butanone	4.562	43	29828	12.289	ug/l	97

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

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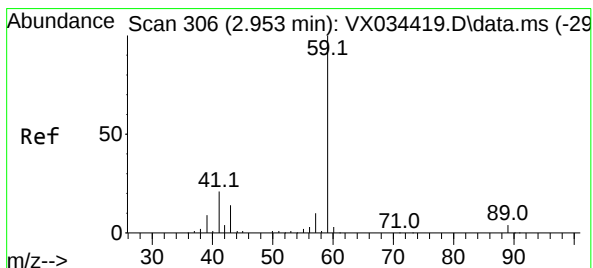
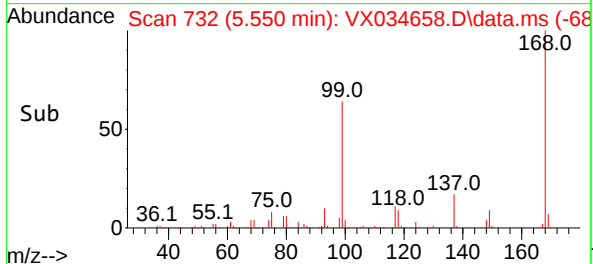
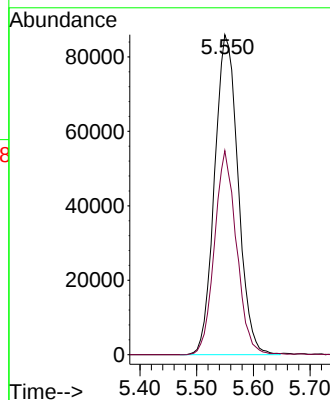
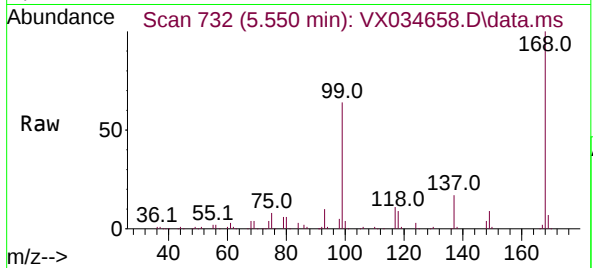




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

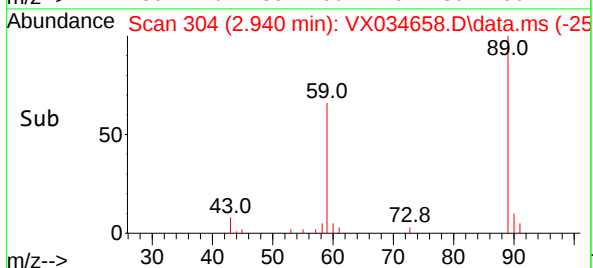
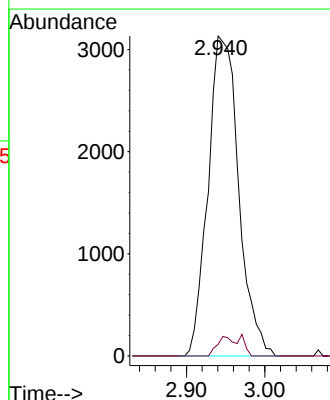
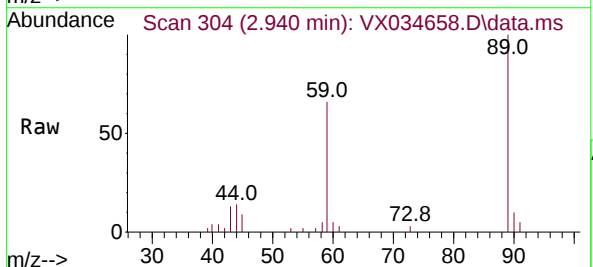
Instrument :
MSVOA_X
ClientSampleId :
600DL

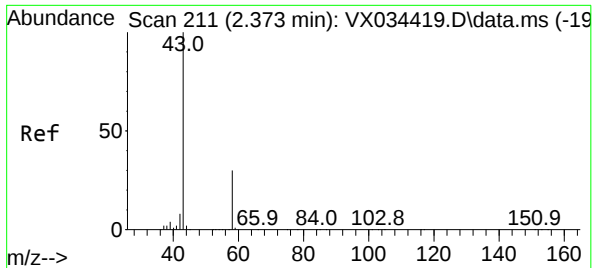
Tgt Ion:168 Resp: 247537
Ion Ratio Lower Upper
168 100
99 63.7 45.7 68.5



#11
Tert butyl alcohol
Concen: 11.367 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 59 Resp: 8524
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

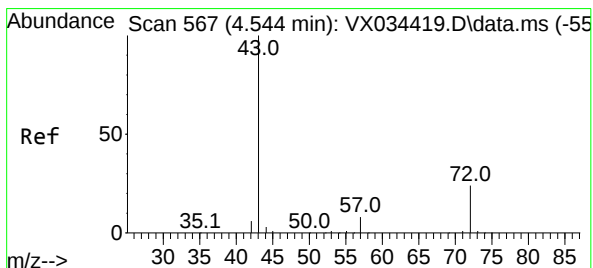
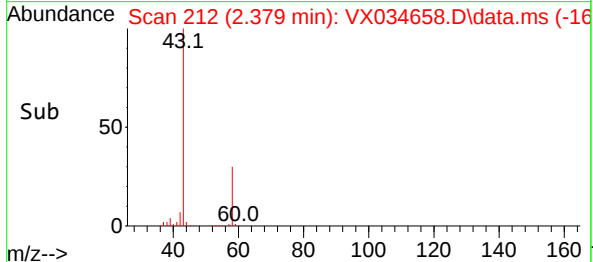
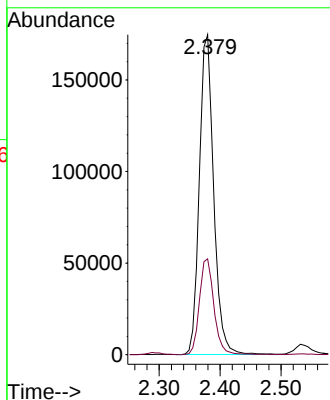
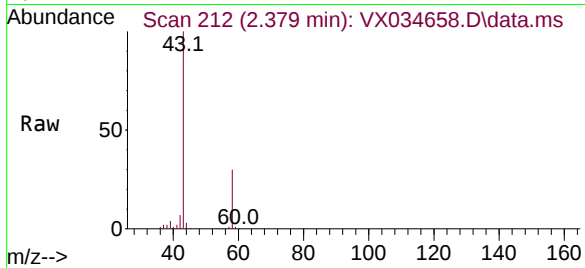




#16
Acetone
Concen: 168.201 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

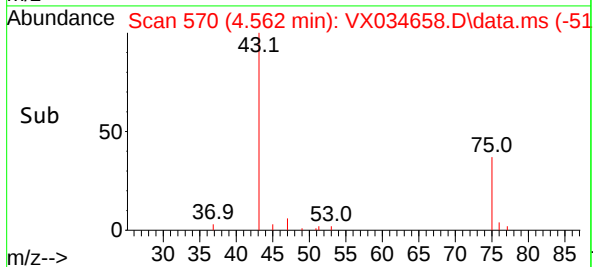
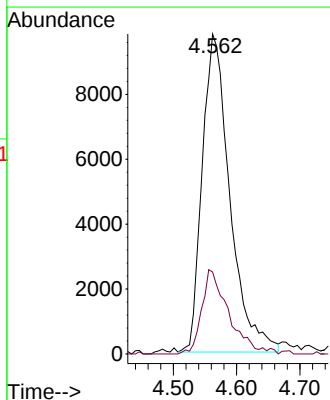
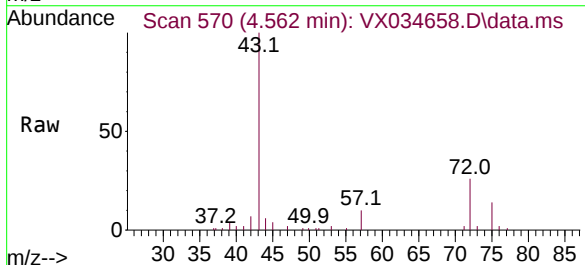
Instrument :
MSVOA_X
ClientSampleId :
600DL

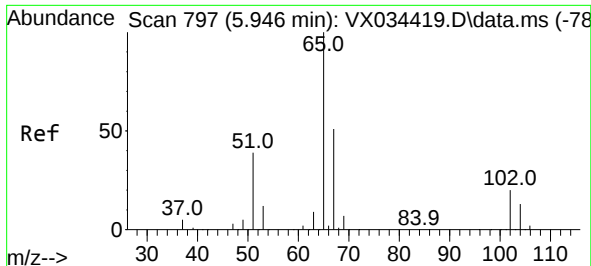
Tgt Ion: 43 Resp: 285324
Ion Ratio Lower Upper
43 100
58 30.0 24.7 37.1



#25
2-Butanone
Concen: 12.289 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.018 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 43 Resp: 29828
Ion Ratio Lower Upper
43 100
72 25.8 19.3 28.9





#33

1,2-Dichloroethane-d4

Concen: 46.017 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX034658.D

Acq: 21 Mar 2023 16:38

Instrument :

MSVOA_X

ClientSampleId :

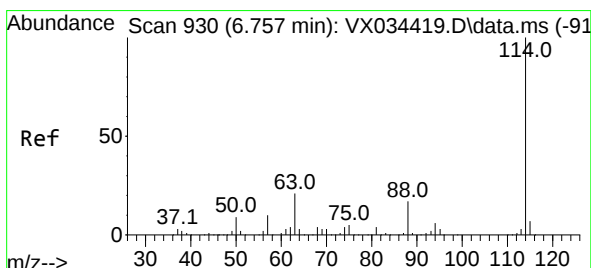
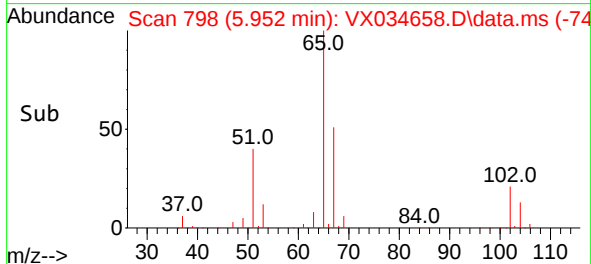
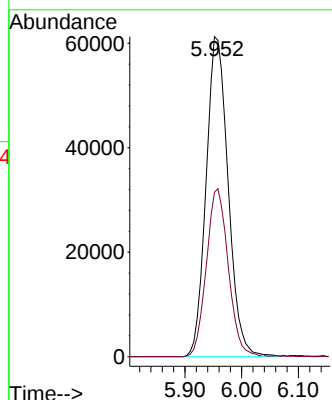
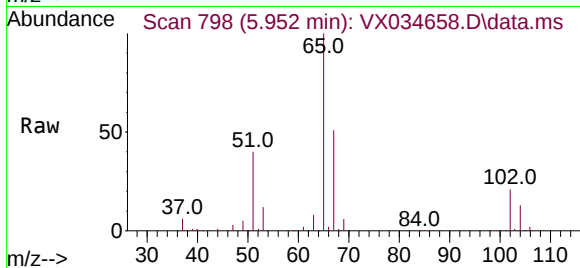
600DL

Tgt Ion: 65 Resp: 165713

Ion Ratio Lower Upper

65 100

67 52.2 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: VX034658.D

Acq: 21 Mar 2023 16:38

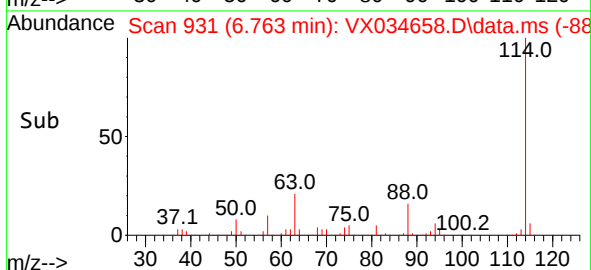
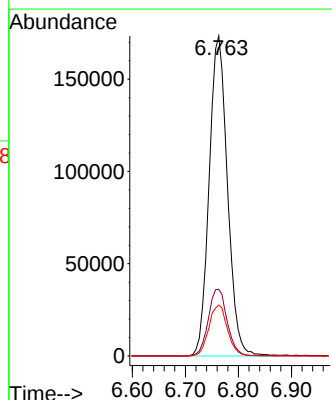
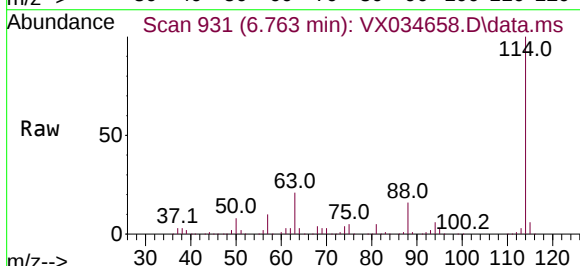
Tgt Ion: 114 Resp: 416250

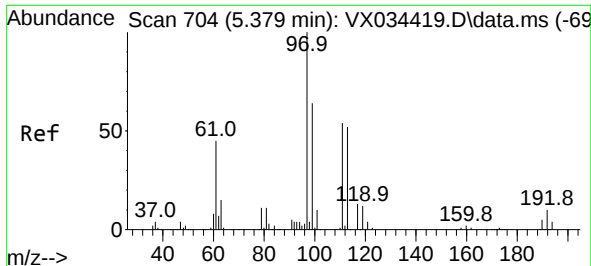
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.2

88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.734 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034658.D

Acq: 21 Mar 2023 16:38

Instrument :

MSVOA_X

ClientSampleId :

600DL

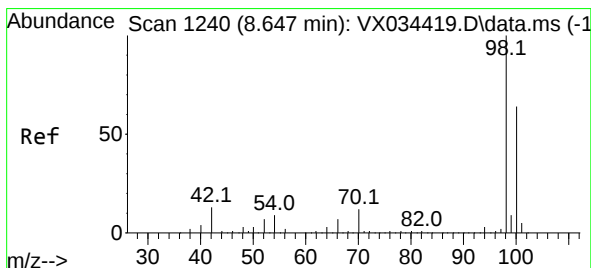
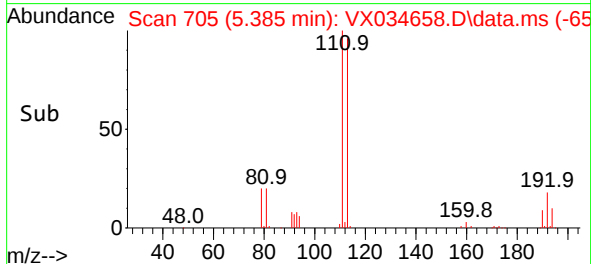
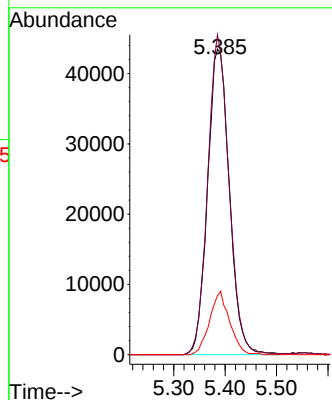
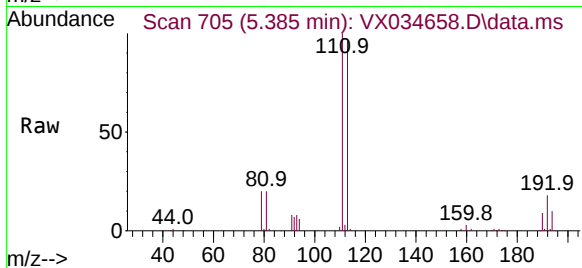
Tgt Ion:113 Resp: 128437

Ion Ratio Lower Upper

113 100

111 101.8 83.7 125.5

192 19.0 15.4 23.2



#50

Toluene-d8

Concen: 53.316 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034658.D

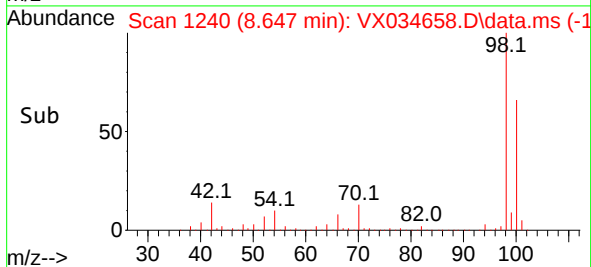
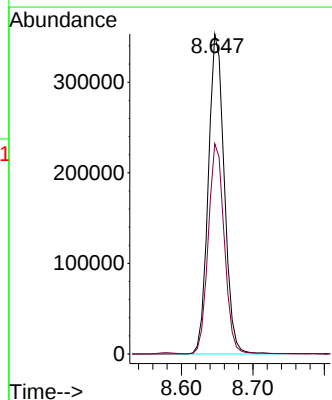
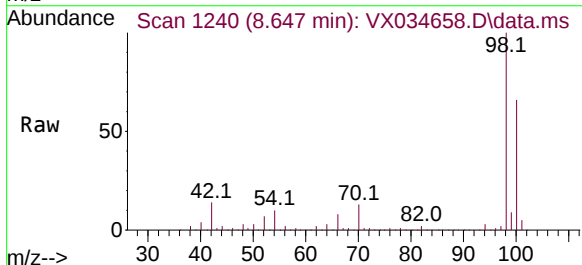
Acq: 21 Mar 2023 16:38

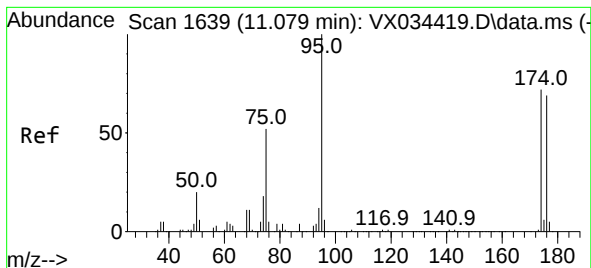
Tgt Ion: 98 Resp: 546999

Ion Ratio Lower Upper

98 100

100 66.1 52.5 78.7

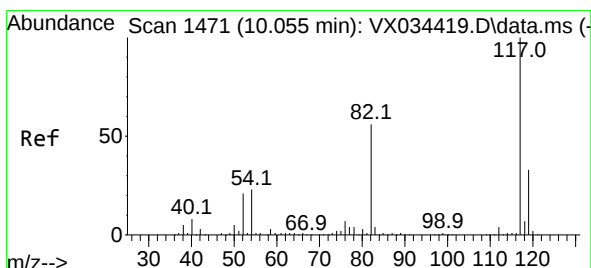
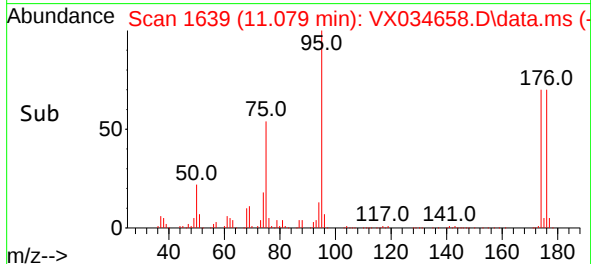
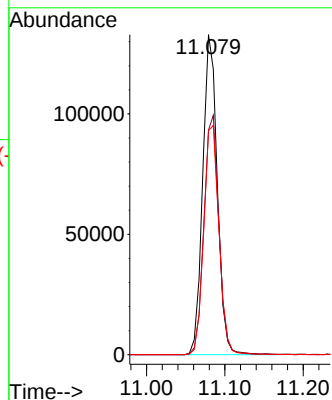
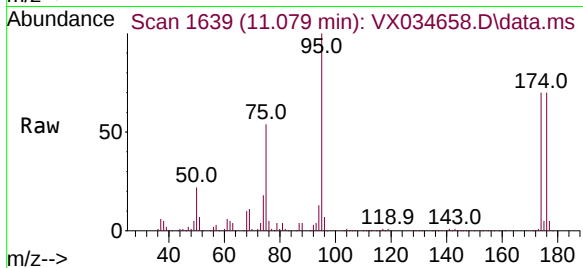




#62
4-Bromofluorobenzene
Concen: 41.501 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

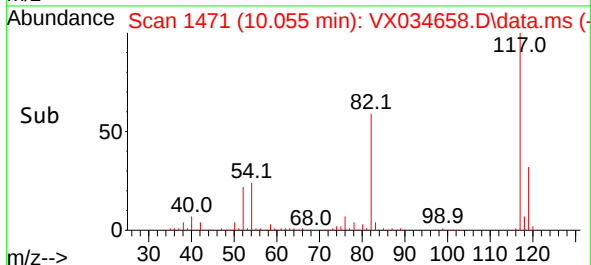
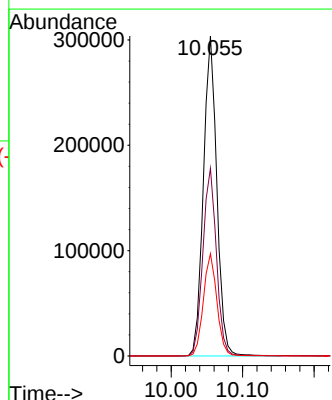
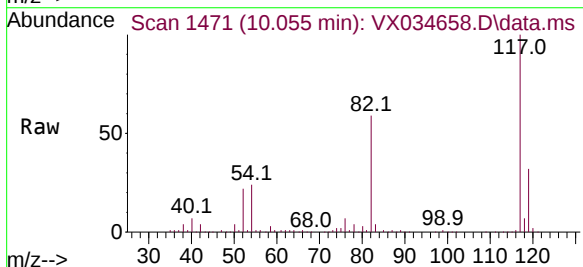
Instrument :
MSVOA_X
ClientSampleId :
600DL

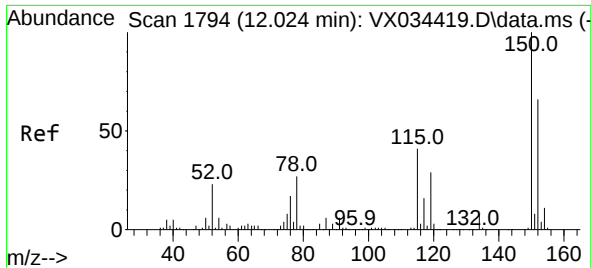
Tgt Ion: 95 Resp: 171982
Ion Ratio Lower Upper
95 100
174 76.4 0.0 147.4
176 74.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034658.D
Acq: 21 Mar 2023 16:38

Tgt Ion: 117 Resp: 396685
Ion Ratio Lower Upper
117 100
82 58.6 45.0 67.4
119 32.0 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: VX034658.D

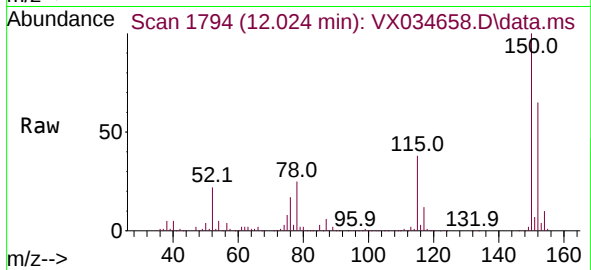
Acq: 21 Mar 2023 16:38

Instrument :

MSVOA_X

ClientSampleId :

600DL



Tgt Ion:152 Resp: 158152

Ion Ratio Lower Upper

152 100

115 60.4 45.0 135.0

150 156.4 0.0 352.4

