

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011124\
 Data File : VX039719.D
 Acq On : 11 Jan 2024 12:58
 Operator : JC/MD
 Sample : P1102-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240110061-02-VOA

Quant Time: Jan 12 01:53:04 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)

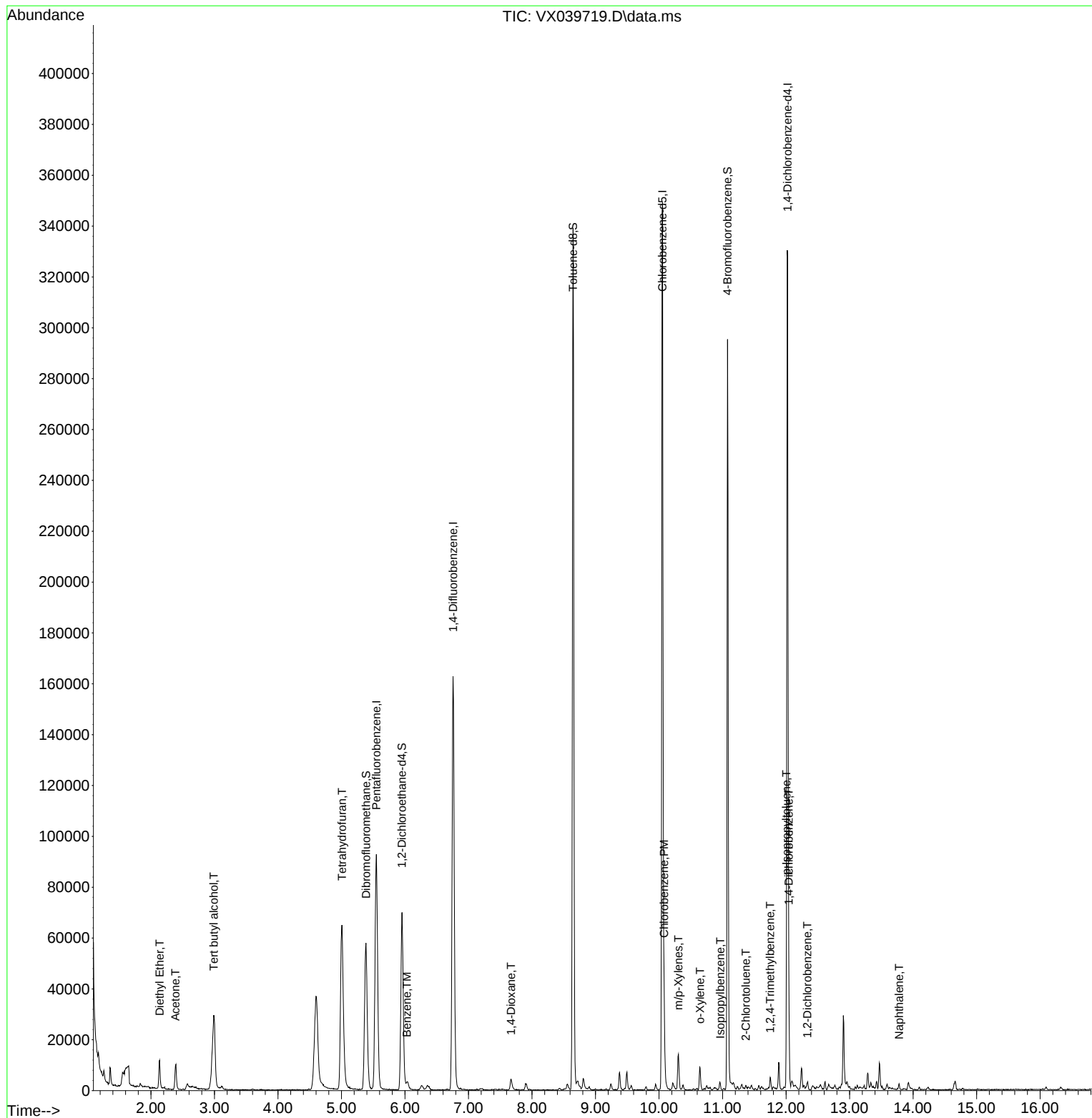
Internal Standards						
1) Pentafluorobenzene	5.550	168	82814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159671	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65532	47.239	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	94.480%	
35) Dibromofluoromethane	5.385	113	50519	46.975	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	93.940%	
50) Toluene-d8	8.647	98	194363	47.918	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	95.840%	
62) 4-Bromofluorobenzene	11.079	95	76405	48.170	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	96.340%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	3648	5.926	ug/l	91
11) Tert butyl alcohol	2.989	59	48702	134.865	ug/l #	92
16) Acetone	2.386	43	3389	4.344	ug/l	92
29) Tetrahydrofuran	5.007	42	64504	89.385	ug/l	97
40) Benzene	6.031	78	3168	0.668	ug/l	95
49) 1,4-Dioxane	7.671	88	3370	108.157	ug/l #	96
65) Chlorobenzene	10.079	112	12762	3.983	ug/l	98
68) m/p-Xylenes	10.305	106	2826	1.292	ug/l	88
69) o-Xylene	10.646	106	2016	0.931	ug/l	98
73) Isopropylbenzene	10.963	105	1278	0.247	ug/l	97
79) 2-Chlorotoluene	11.366	91	854	0.221	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	2244	0.513	ug/l	96
86) p-Isopropyltoluene	12.006	119	1146	0.264	ug/l #	66
88) 1,4-Dichlorobenzene	12.043	146	11163	4.904	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	734	0.337	ug/l	93
95) Naphthalene	13.780	128	1318	0.269	ug/l	97

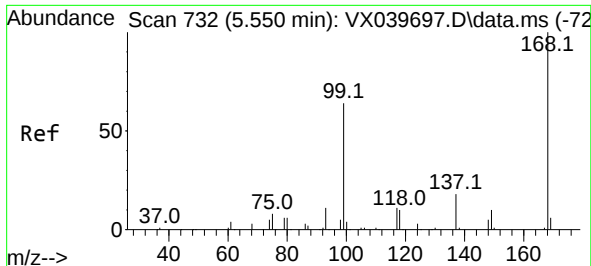
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011124\
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240110061-02-VOA

Quant Time: Jan 12 01:53:04 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

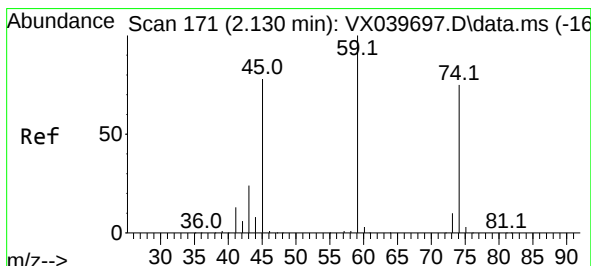
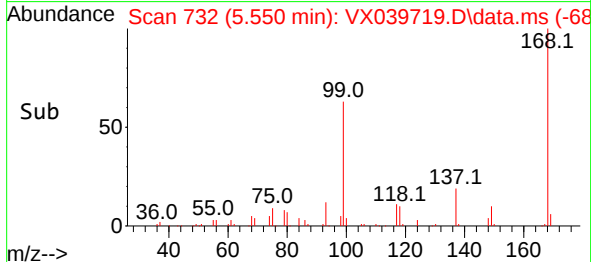
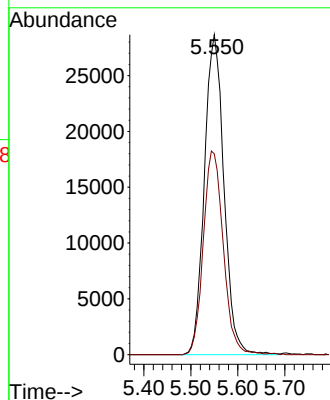
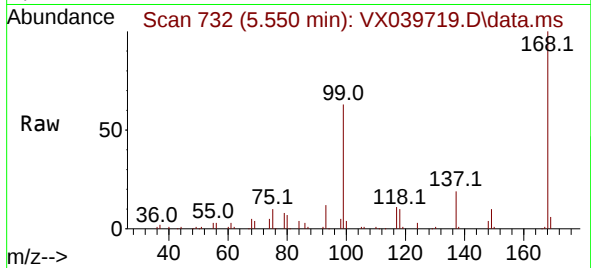




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

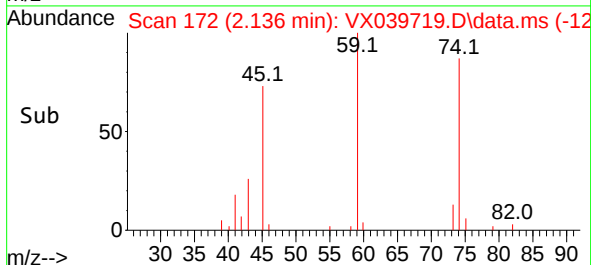
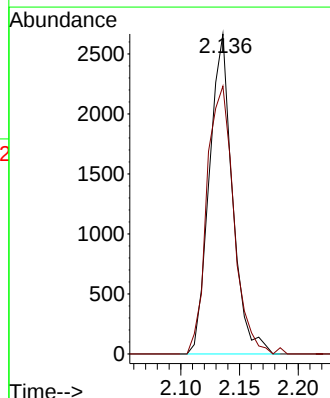
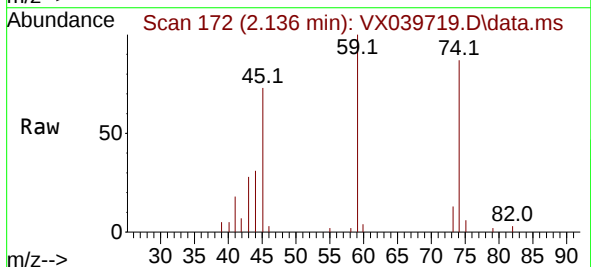
Instrument :
MSVOA_X
ClientSampleId :
240110061-02-VOA

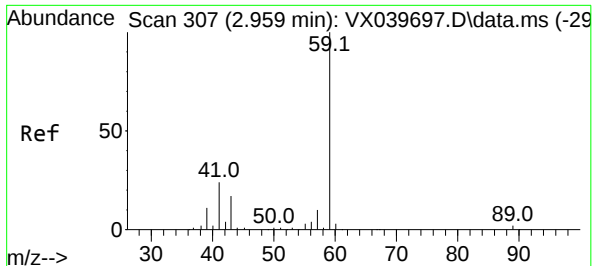
Tgt Ion:168 Resp: 82814
Ion Ratio Lower Upper
168 100
99 62.8 56.6 85.0



#8
Diethyl Ether
Concen: 5.926 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

Tgt Ion: 74 Resp: 3648
Ion Ratio Lower Upper
74 100
45 97.4 53.3 159.8

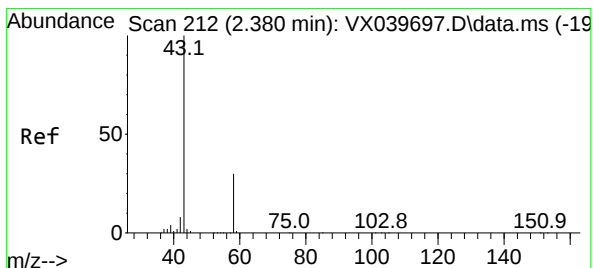
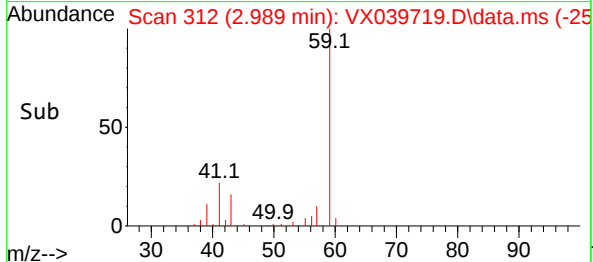
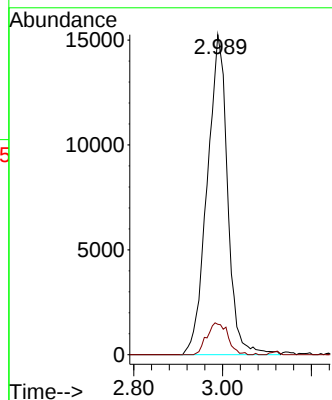
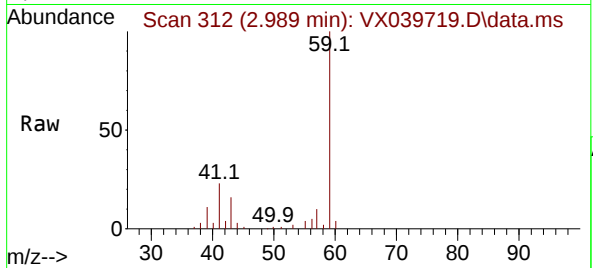




#11
Tert butyl alcohol
Concen: 134.865 ug/l
RT: 2.989 min Scan# 311
Delta R.T. 0.031 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

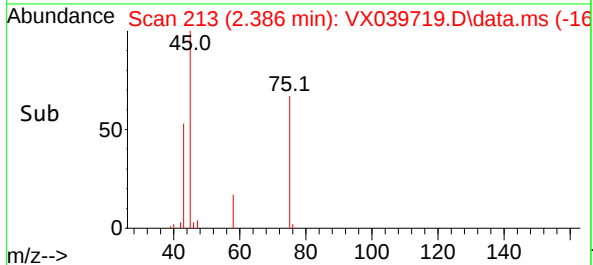
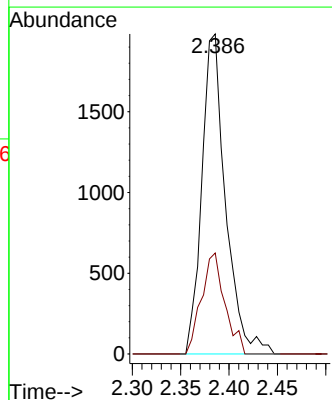
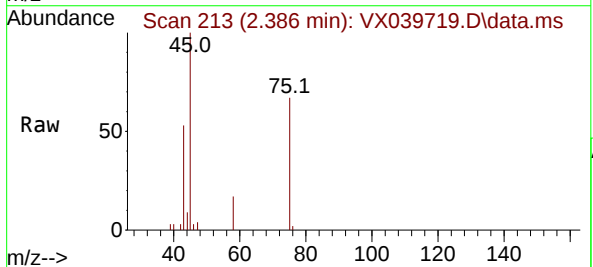
Instrument :
MSVOA_X
ClientSampleId :
240110061-02-VOA

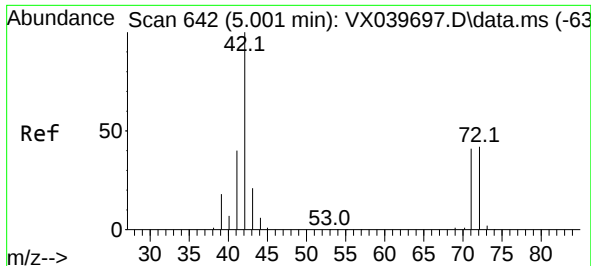
Tgt Ion: 59 Resp: 48702
Ion Ratio Lower Upper
59 100
57 10.2 6.0 9.0#



#16
Acetone
Concen: 4.344 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

Tgt Ion: 43 Resp: 3389
Ion Ratio Lower Upper
43 100
58 31.5 21.9 32.9





#29

Tetrahydrofuran

Concen: 89.385 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX039719.D

Acq: 11 Jan 2024 12:58

Instrument :

MSVOA_X

ClientSampleId :

240110061-02-VOA

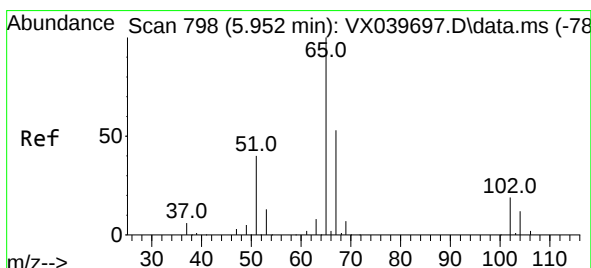
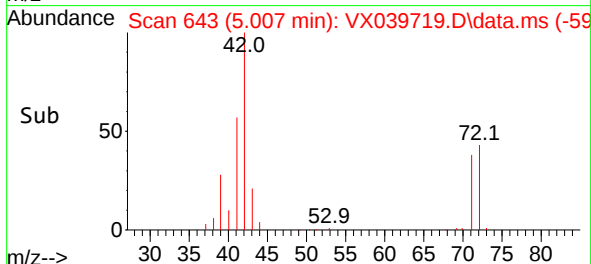
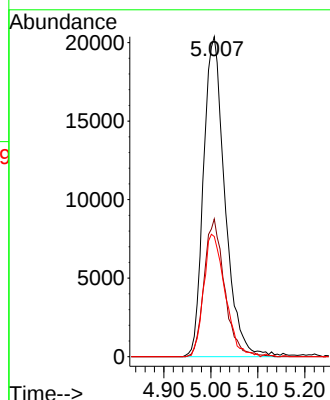
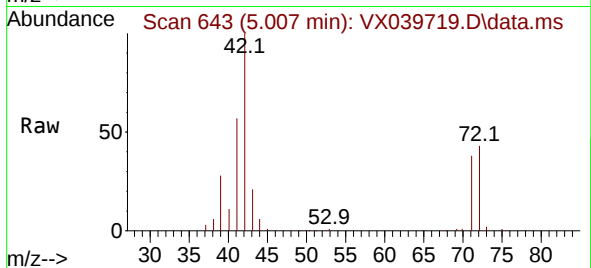
Tgt Ion: 42 Resp: 64504

Ion Ratio Lower Upper

42 100

72 40.9 34.2 51.4

71 38.3 32.2 48.2



#33

1,2-Dichloroethane-d4

Concen: 47.239 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039719.D

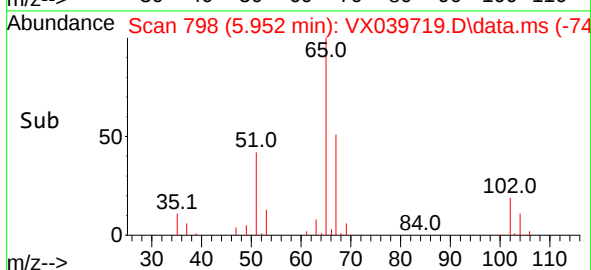
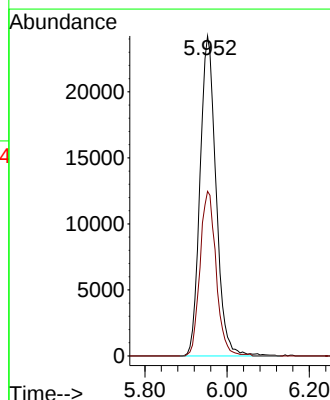
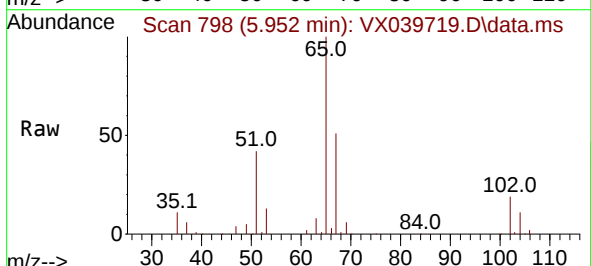
Acq: 11 Jan 2024 12:58

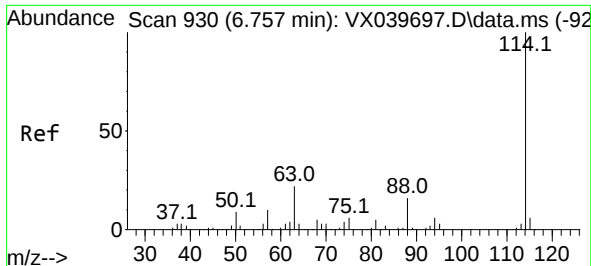
Tgt Ion: 65 Resp: 65532

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.2

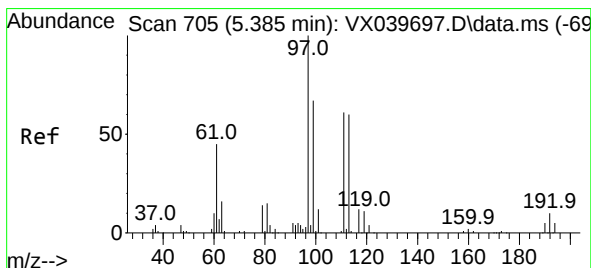
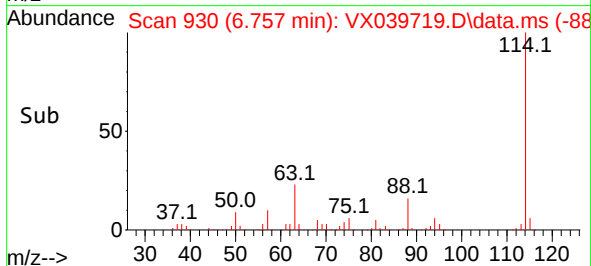
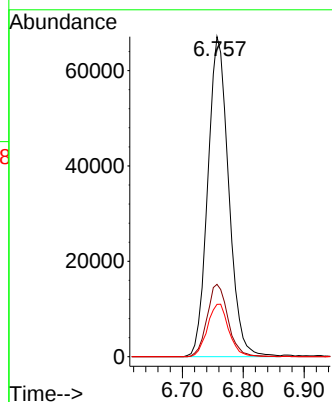
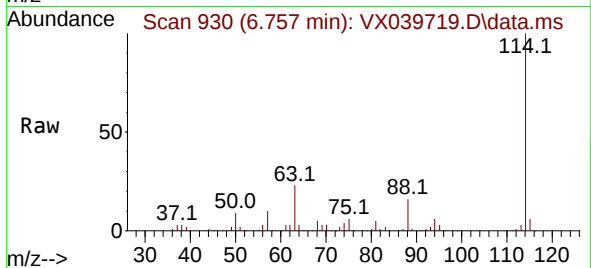




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

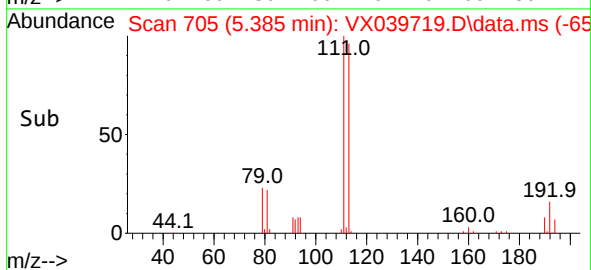
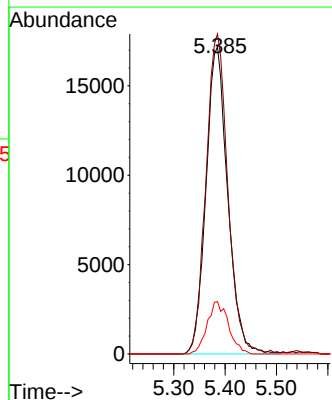
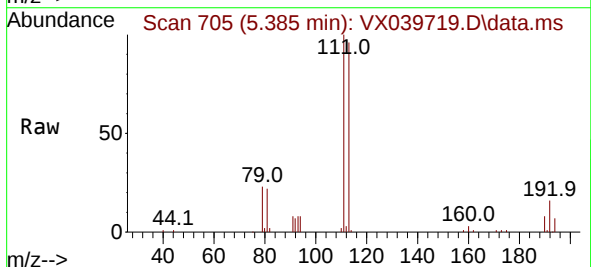
Instrument :
MSVOA_X
ClientSampleId :
240110061-02-VOA

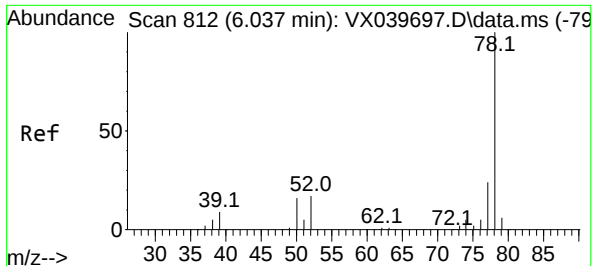
Tgt Ion:114 Resp: 159671
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.975 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

Tgt Ion:113 Resp: 50519
Ion Ratio Lower Upper
113 100
111 104.6 82.9 124.3
192 16.8 13.3 19.9

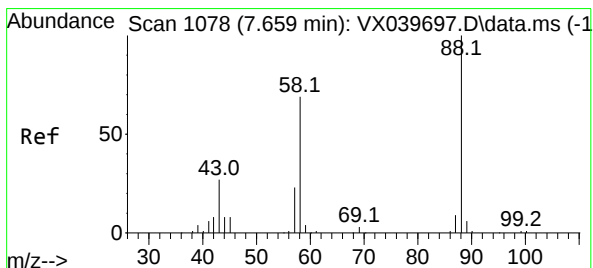
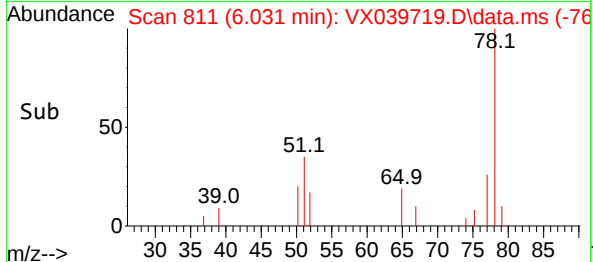
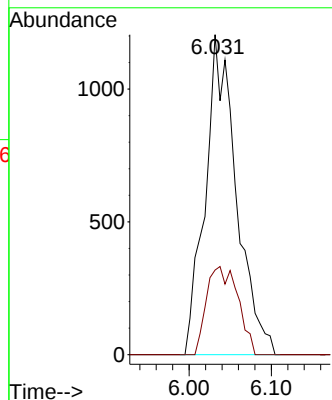
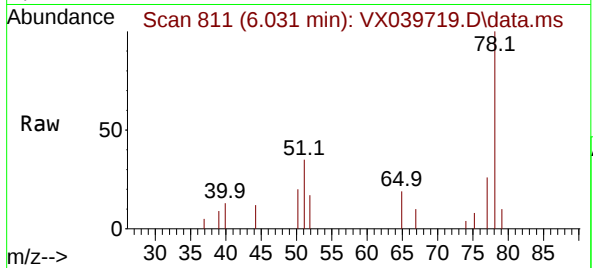




#40
Benzene
Concen: 0.668 ug/l
RT: 6.031 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

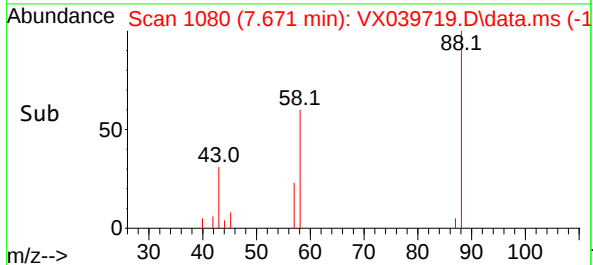
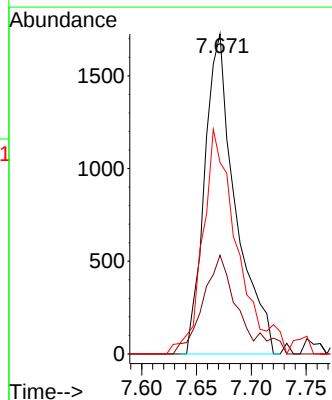
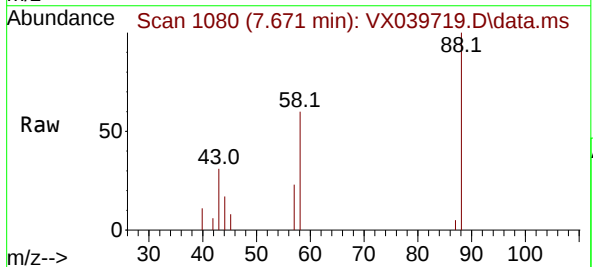
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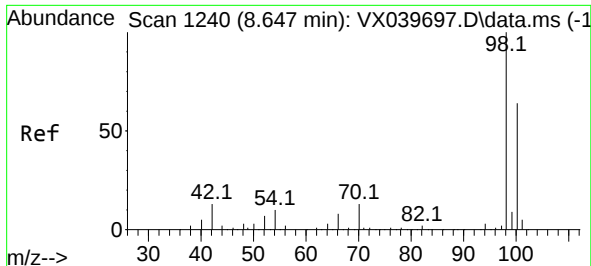
Tgt Ion: 78 Resp: 3168
Ion Ratio Lower Upper
78 100
77 26.5 19.3 28.9



#49
1,4-Dioxane
Concen: 108.157 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

Tgt Ion: 88 Resp: 3370
Ion Ratio Lower Upper
88 100
43 35.6 0.0 0.0#
58 78.1 60.1 90.1

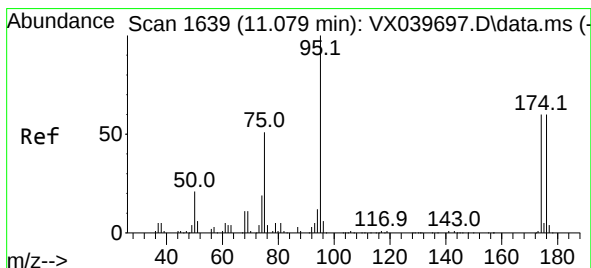
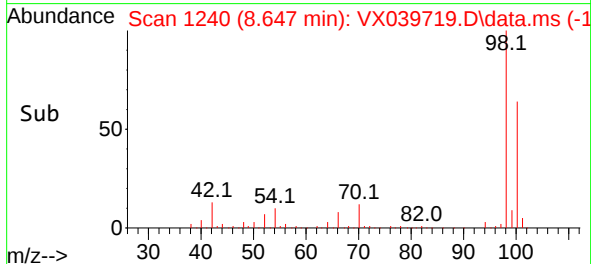
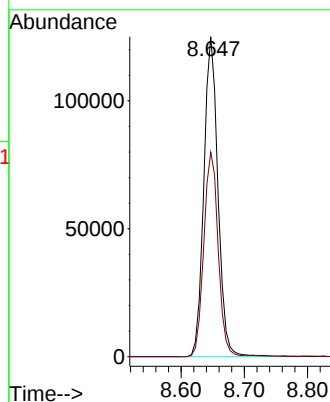
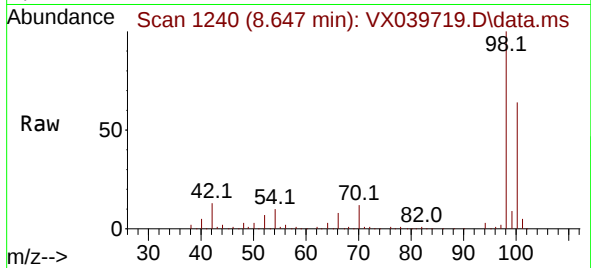




#50
Toluene-d8
Concen: 47.918 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

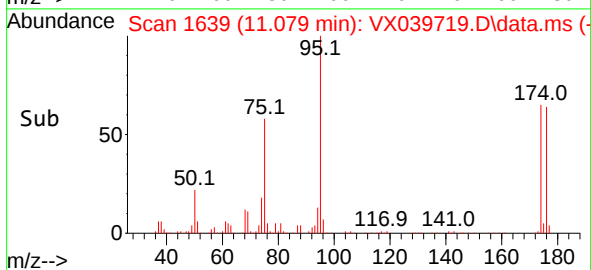
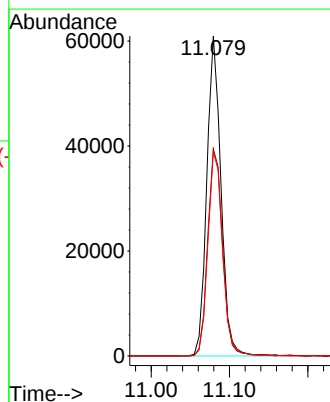
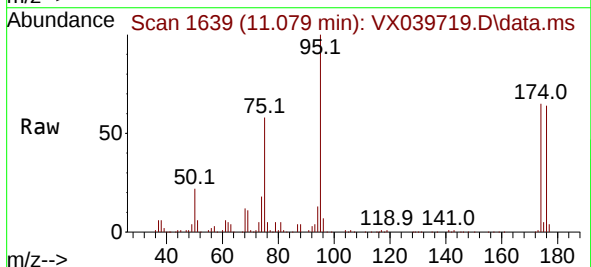
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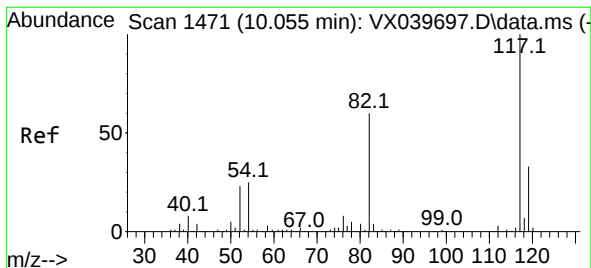
Tgt Ion: 98 Resp: 194363
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.170 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

Tgt Ion: 95 Resp: 76405
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.6
176 66.0 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: VX039719.D

Acq: 11 Jan 2024 12:58

Instrument :

MSVOA_X

ClientSampleId :

240110061-02-VOA

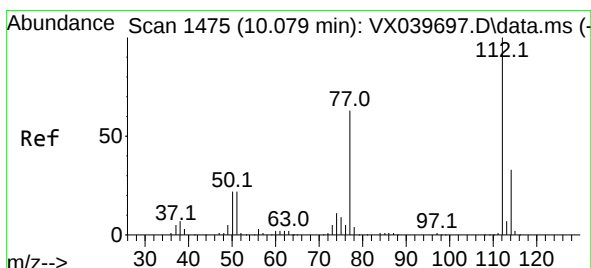
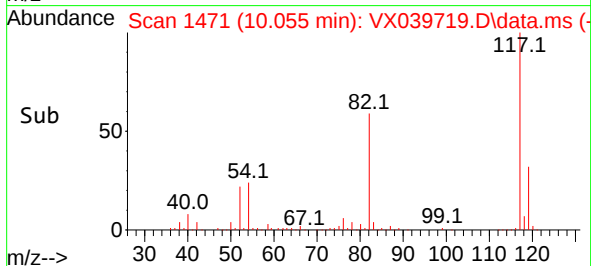
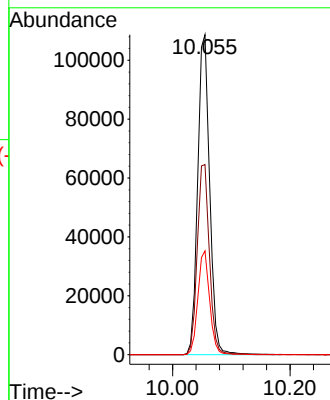
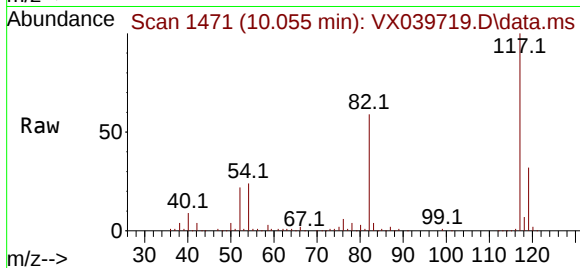
Tgt Ion:117 Resp: 153836

Ion Ratio Lower Upper

117 100

82 59.4 46.2 69.4

119 32.4 25.5 38.3



#65

Chlorobenzene

Concen: 3.983 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX039719.D

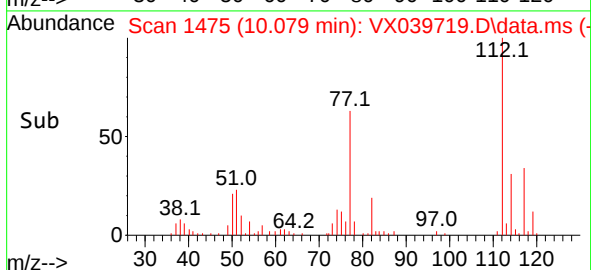
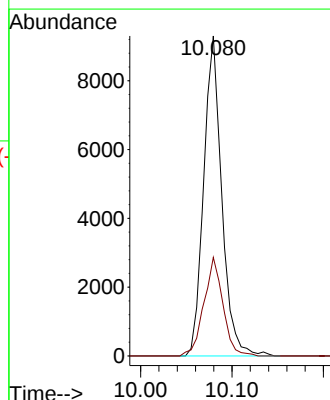
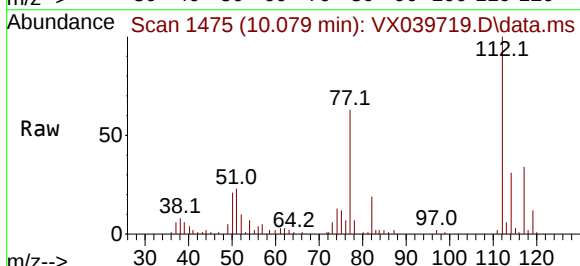
Acq: 11 Jan 2024 12:58

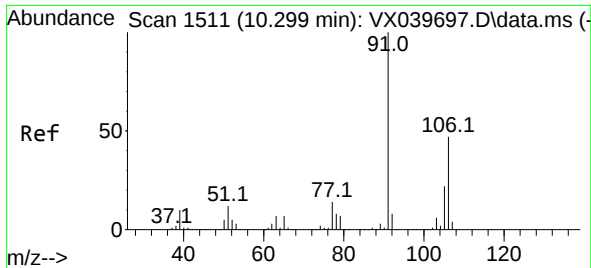
Tgt Ion:112 Resp: 12762

Ion Ratio Lower Upper

112 100

114 30.8 25.7 38.5

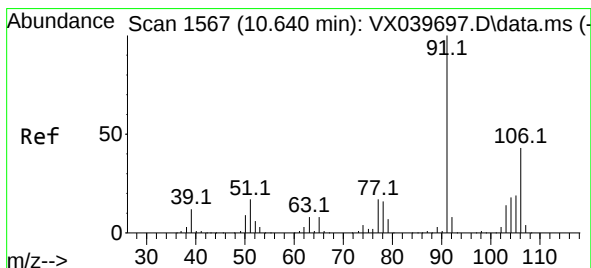
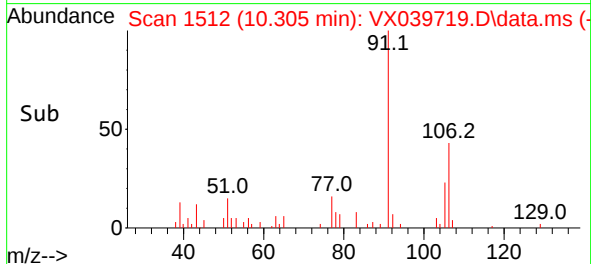
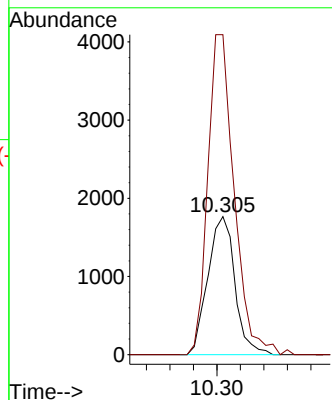
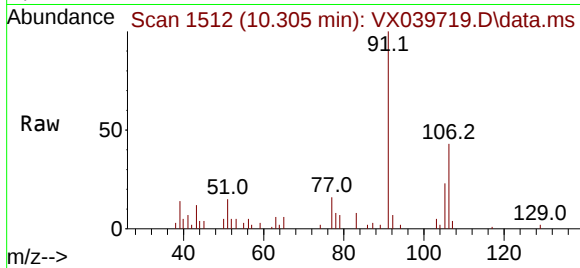




#68
m/p-Xylenes
Concen: 1.292 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

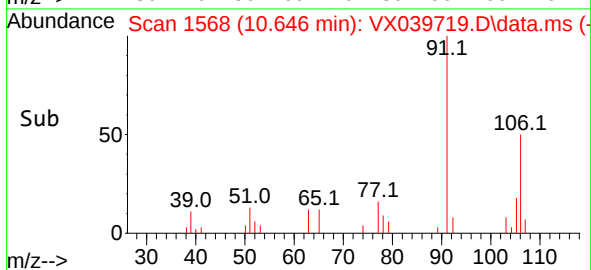
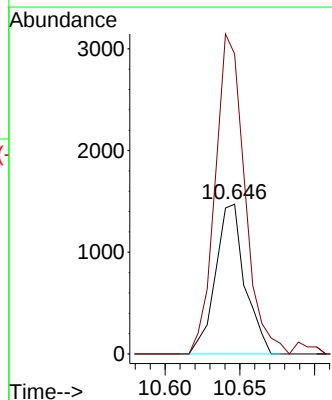
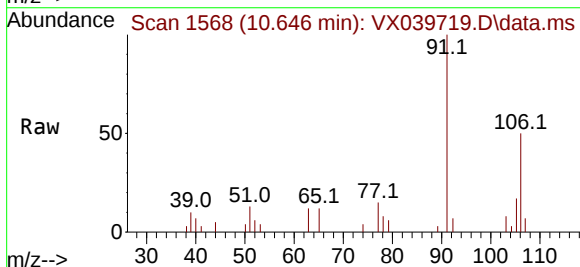
Instrument :
MSVOA_X
ClientSampleId :
240110061-02-VOA

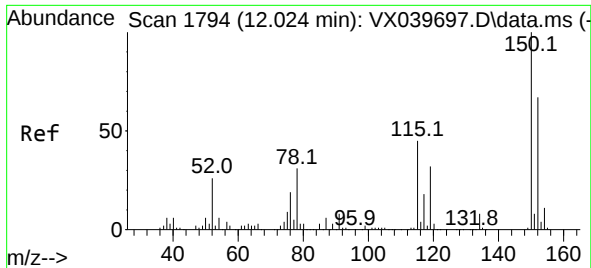
Tgt Ion:106 Resp: 2826
Ion Ratio Lower Upper
106 100
91 226.2 165.5 248.3



#69
o-Xylene
Concen: 0.931 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

Tgt Ion:106 Resp: 2016
Ion Ratio Lower Upper
106 100
91 214.4 108.9 326.8

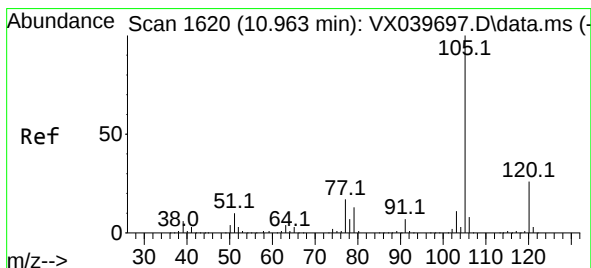
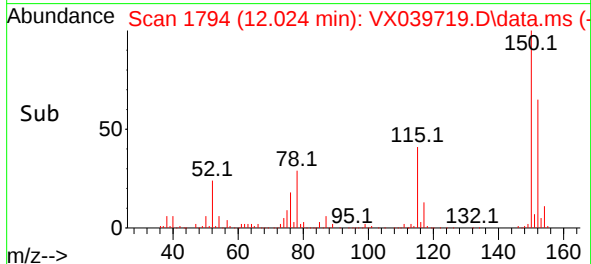
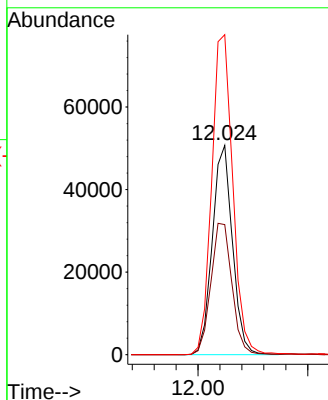
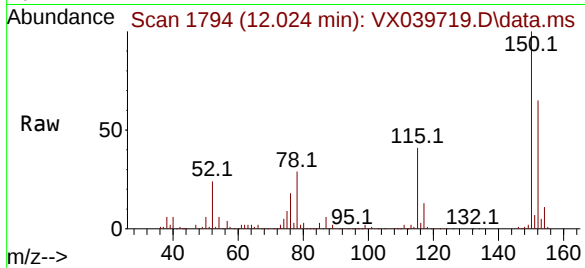




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

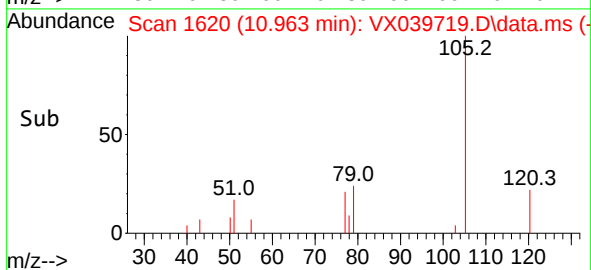
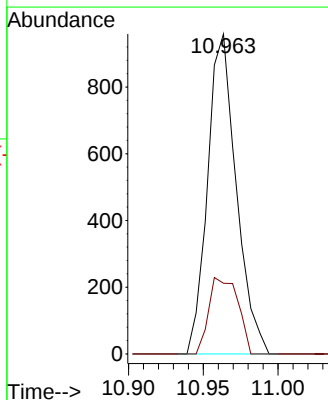
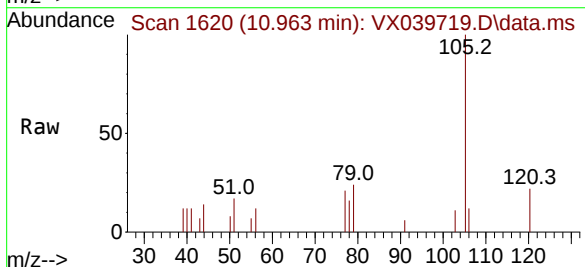
Instrument :
MSVOA_X
ClientSampleId :
240110061-02-VOA

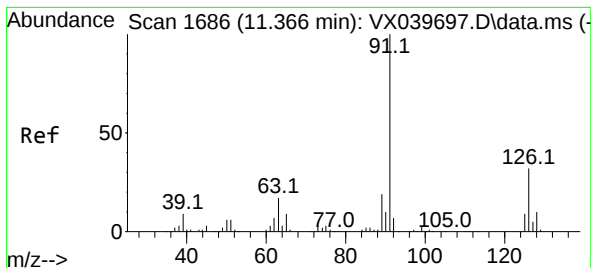
Tgt Ion:152 Resp: 64864
Ion Ratio Lower Upper
152 100
115 65.6 43.3 129.9
150 160.1 0.0 345.0



#73
Isopropylbenzene
Concen: 0.247 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

Tgt Ion:105 Resp: 1278
Ion Ratio Lower Upper
105 100
120 24.2 12.9 38.6





#79

2-Chlorotoluene

Concen: 0.221 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VX039719.D

Acq: 11 Jan 2024 12:58

Instrument :

MSVOA_X

ClientSampleId :

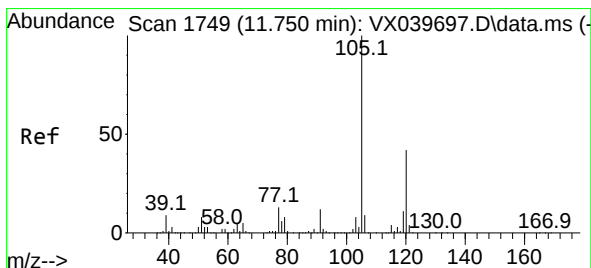
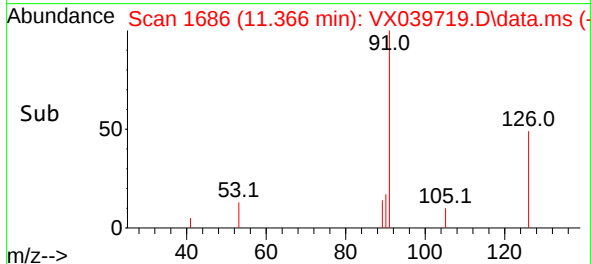
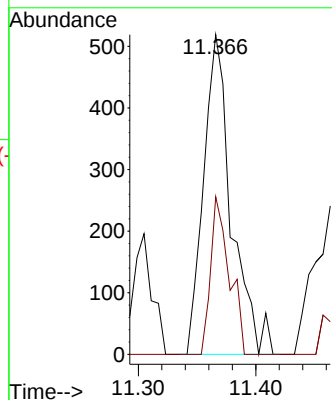
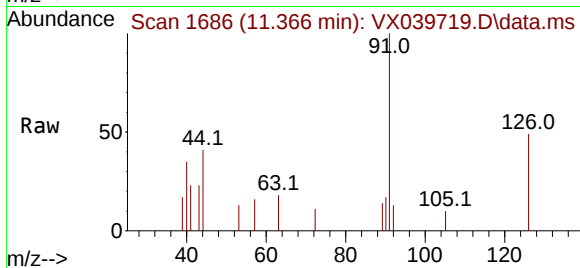
240110061-02-VOA

Tgt Ion: 91 Resp: 854

Ion Ratio Lower Upper

91 100

126 33.1 16.3 48.8



#84

1,2,4-Trimethylbenzene

Concen: 0.513 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039719.D

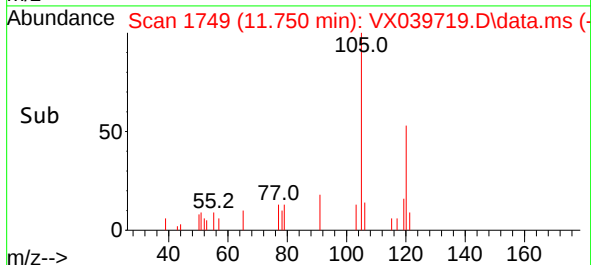
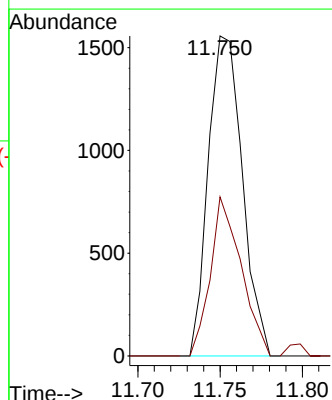
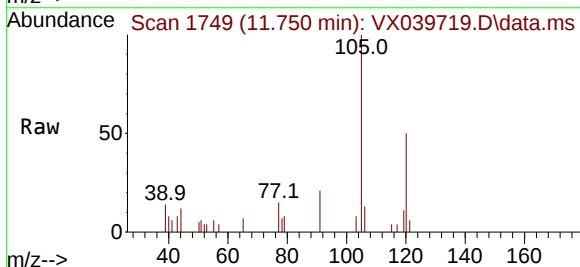
Acq: 11 Jan 2024 12:58

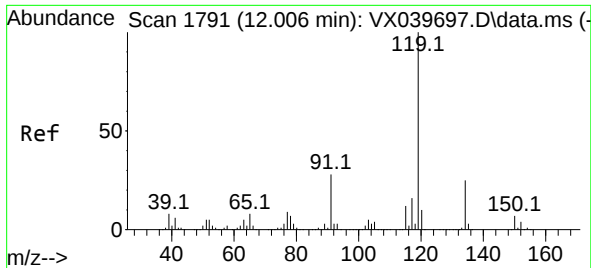
Tgt Ion: 105 Resp: 2244

Ion Ratio Lower Upper

105 100

120 44.8 21.2 63.6

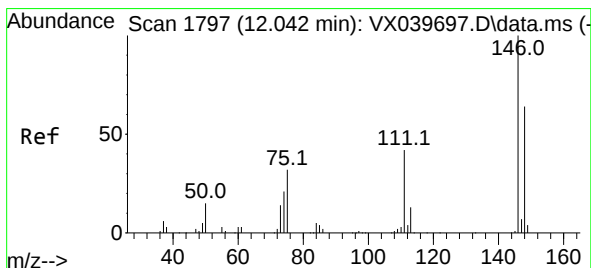
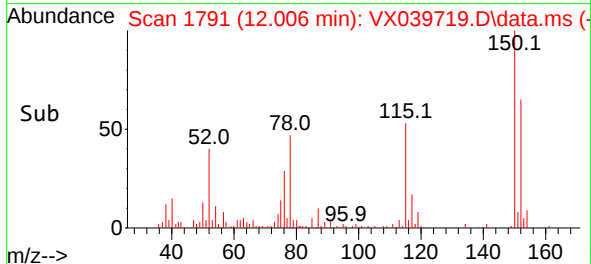
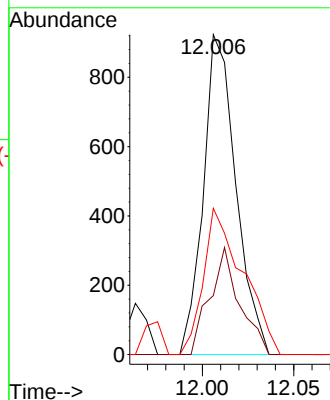
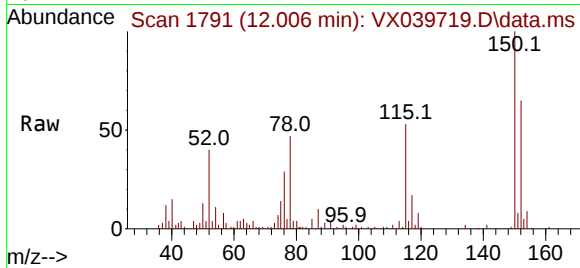




#86
 p-Isopropyltoluene
 Concen: 0.264 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX039719.D
 Acq: 11 Jan 2024 12:58

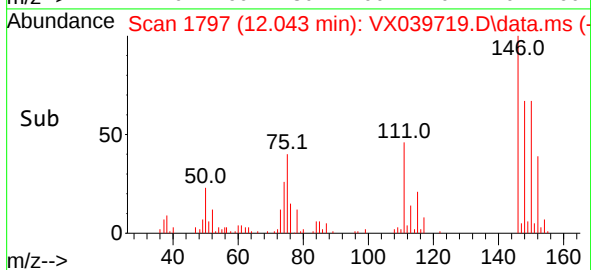
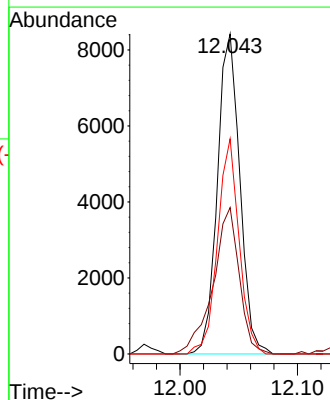
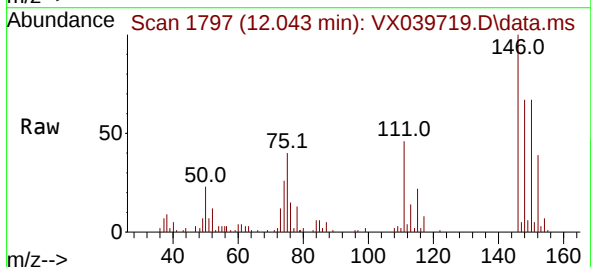
Instrument :
 MSVOA_X
 ClientSampleId :
 240110061-02-VOA

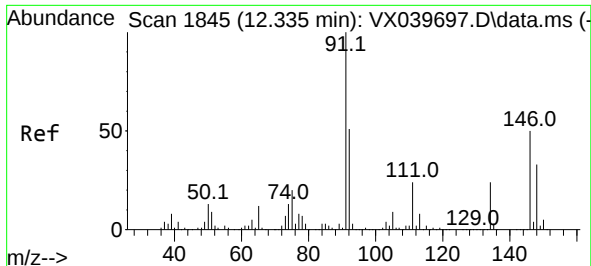
Tgt Ion:119 Resp: 1146
 Ion Ratio Lower Upper
 119 100
 134 30.7 12.8 38.3
 91 55.4 13.1 39.3#



#88
 1,4-Dichlorobenzene
 Concen: 4.904 ug/l
 RT: 12.043 min Scan# 1797
 Delta R.T. 0.000 min
 Lab File: VX039719.D
 Acq: 11 Jan 2024 12:58

Tgt Ion:146 Resp: 11163
 Ion Ratio Lower Upper
 146 100
 111 53.6 21.3 63.7
 148 64.6 31.8 95.4

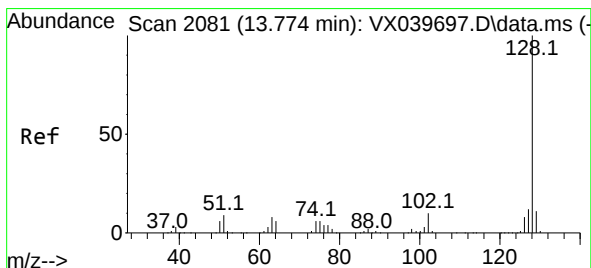
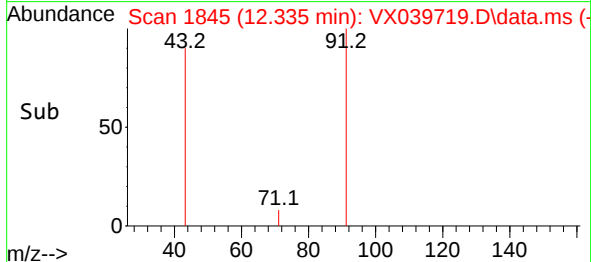
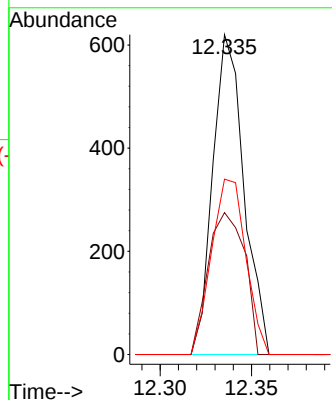
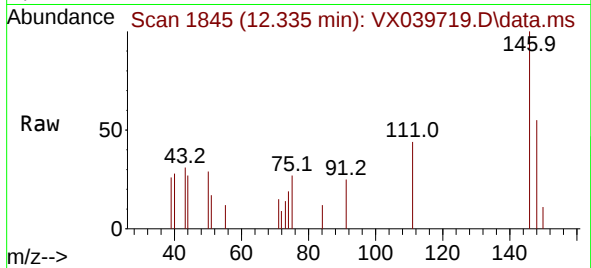




#91
1,2-Dichlorobenzene
Concen: 0.337 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

Instrument :
MSVOA_X
ClientSampleId :
240110061-02-VOA

Tgt Ion:146 Resp: 734
Ion Ratio Lower Upper
146 100
111 52.3 22.4 67.0
148 60.6 31.6 95.0



#95
Naphthalene
Concen: 0.269 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039719.D
Acq: 11 Jan 2024 12:58

Tgt Ion:128 Resp: 1318
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 11.7 8.8 13.2

