

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010424\
 Data File : VX039624.D
 Acq On : 04 Jan 2024 13:24
 Operator : JC/MD
 Sample : P1002-10DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1218DL

Quant Time: Jan 05 01:26:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

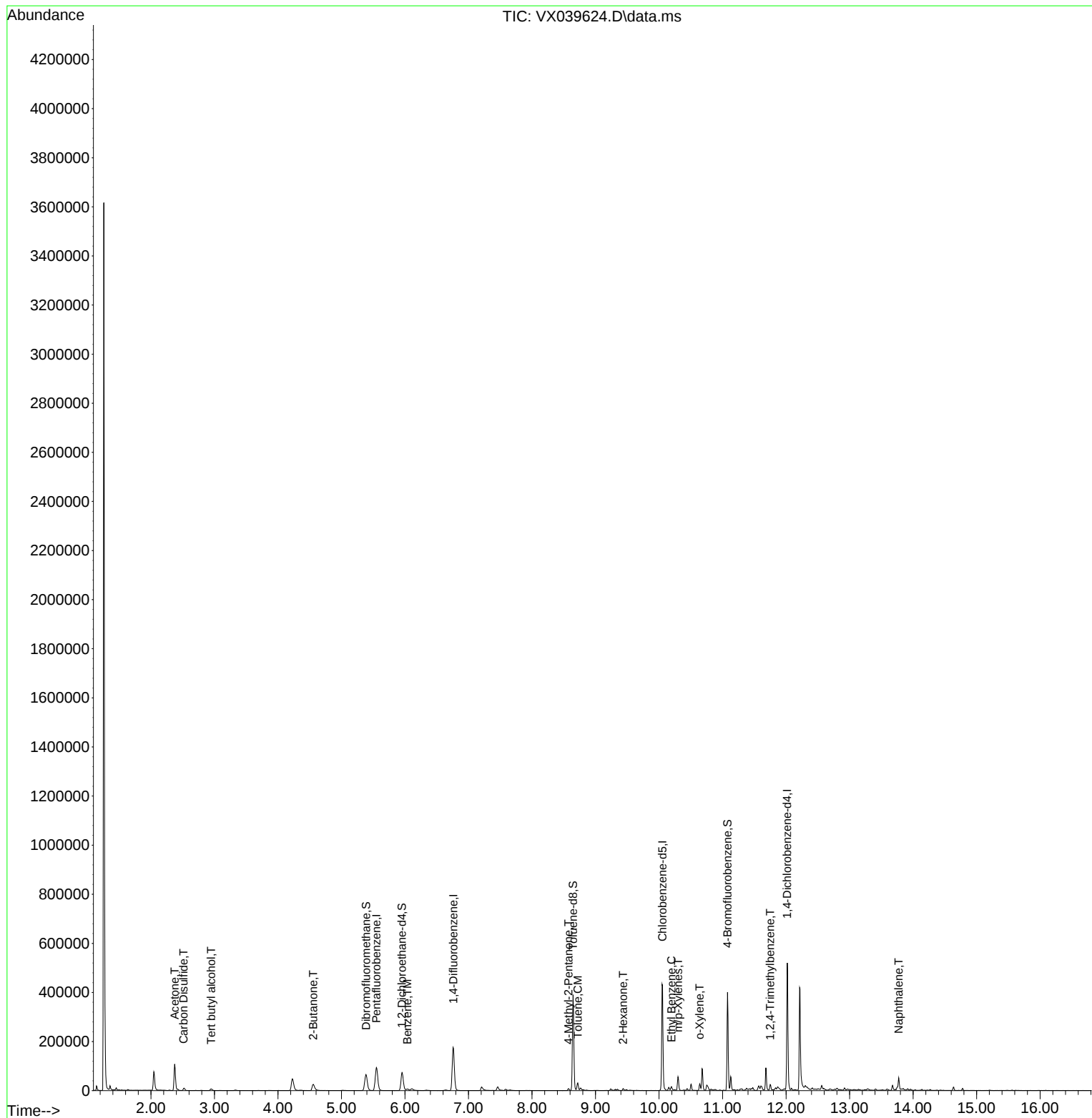
Internal Standards						
1) Pentafluorobenzene	5.550	168	82398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	173856	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70067	46.418	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.840%		
35) Dibromofluoromethane	5.385	113	57352	47.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.500%		
50) Toluene-d8	8.647	98	219843	49.303	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.600%		
62) 4-Bromofluorobenzene	11.079	95	105014	57.079	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.160%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	7716	20.356	ug/l #	92
16) Acetone	2.374	43	109954	112.367	ug/l	93
17) Carbon Disulfide	2.514	76	5201	1.677	ug/l	99
25) 2-Butanone	4.556	43	44645	34.275	ug/l	99
40) Benzene	6.038	78	7350	1.371	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	5650	2.329	ug/l	89
52) Toluene	8.720	92	10714	3.311	ug/l	96
59) 2-Hexanone	9.433	43	5589	2.669	ug/l	96
67) Ethyl Benzene	10.195	91	8583	1.117	ug/l	96
68) m/p-Xylenes	10.299	106	12935	4.697	ug/l	100
69) o-Xylene	10.640	106	5473	2.055	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	8899	1.361	ug/l	99
95) Naphthalene	13.774	128	28055	3.953	ug/l	99

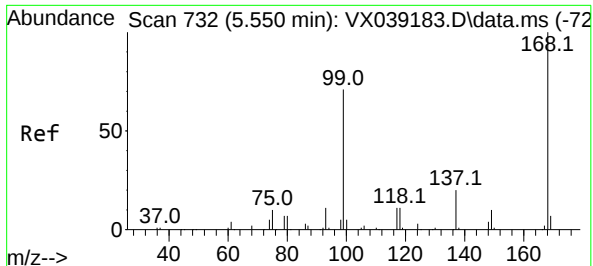
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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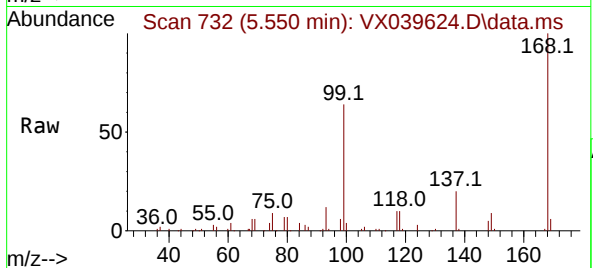
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

Instrument :

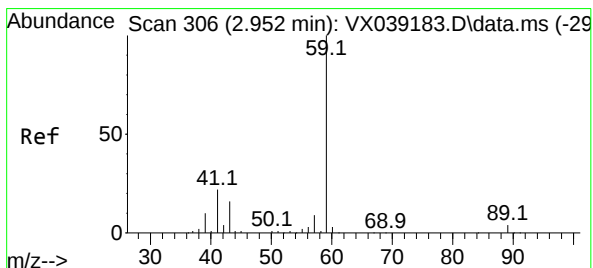
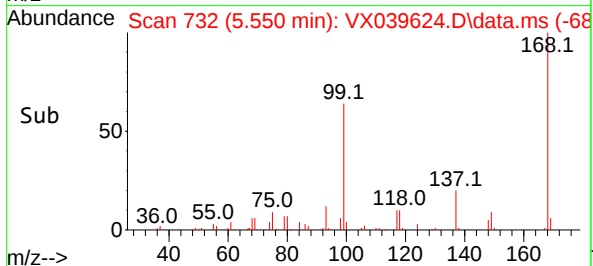
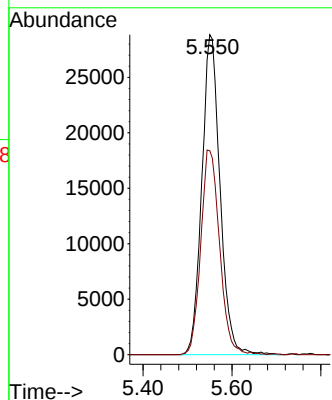
MSVOA_X

ClientSampleId :

1218DL

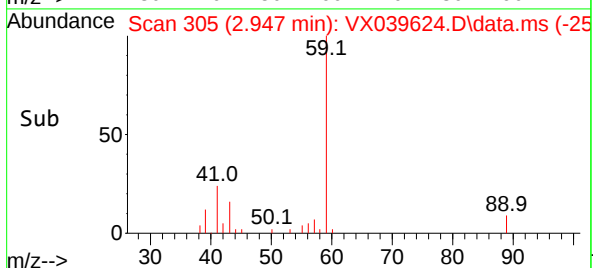
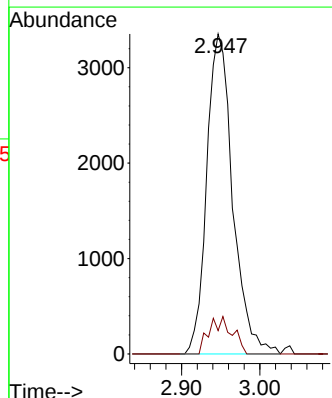
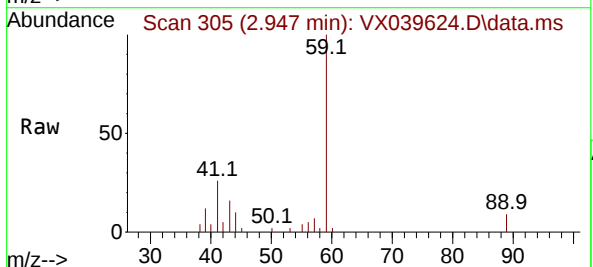


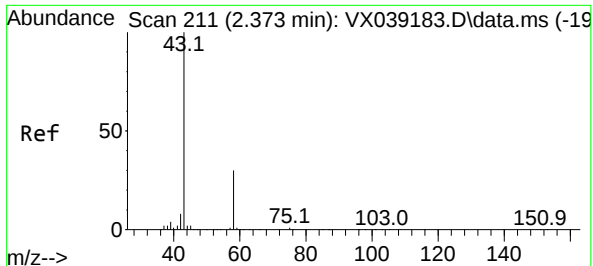
Tgt Ion:168 Resp: 82398
Ion Ratio Lower Upper
168 100
99 63.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 20.356 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

Tgt Ion: 59 Resp: 7716
Ion Ratio Lower Upper
59 100
57 10.3 6.0 9.0#

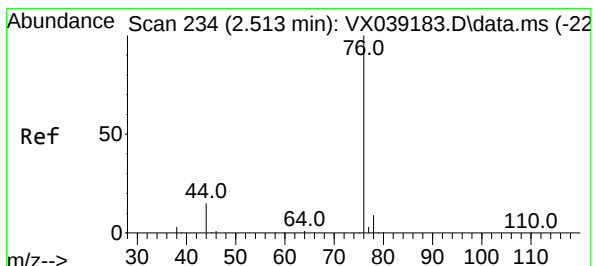
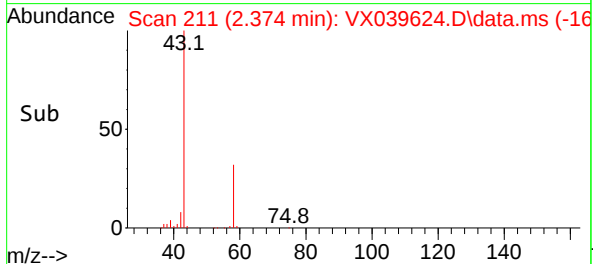
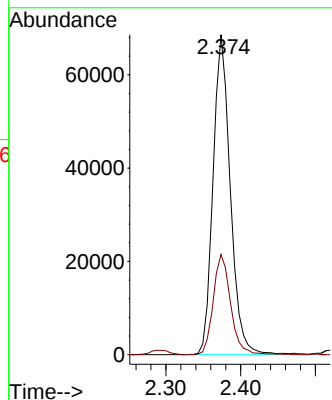
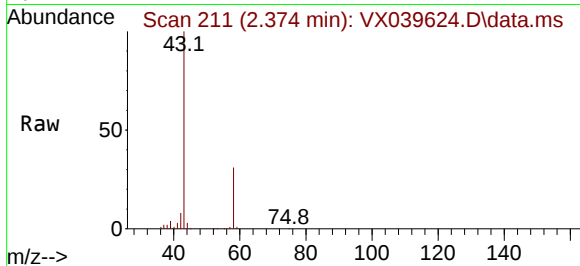




#16
Acetone
Concen: 112.367 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

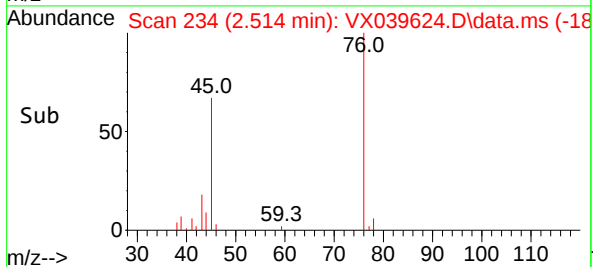
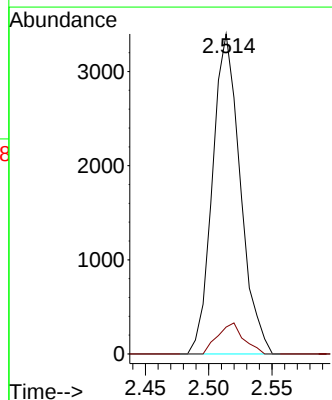
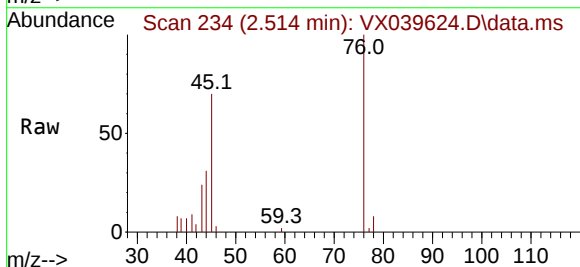
Instrument :
MSVOA_X
ClientSampleId :
1218DL

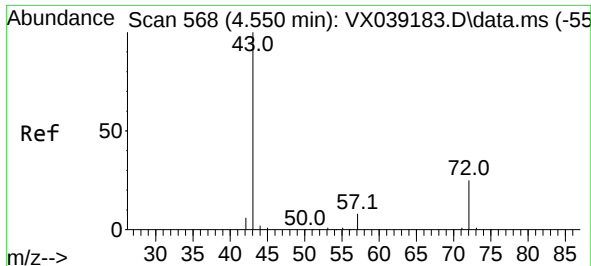
Tgt Ion: 43 Resp: 109954
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9



#17
Carbon Disulfide
Concen: 1.677 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

Tgt Ion: 76 Resp: 5201
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6

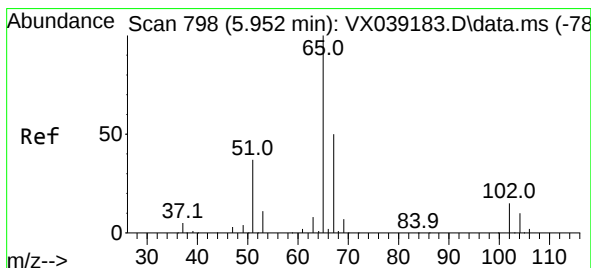
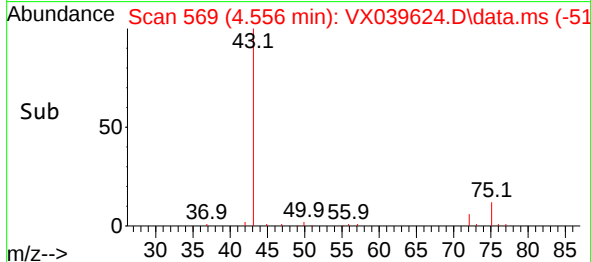
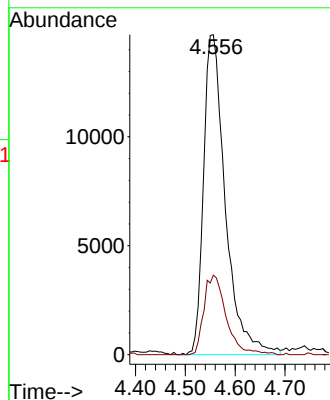
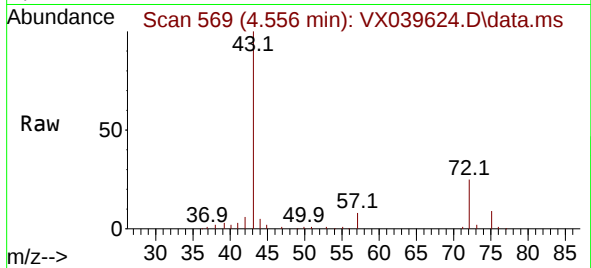




#25
2-Butanone
Concen: 34.275 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

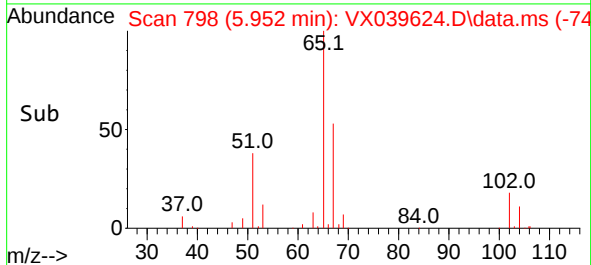
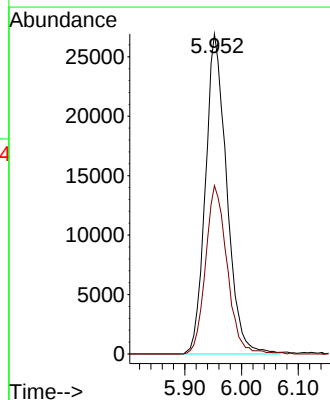
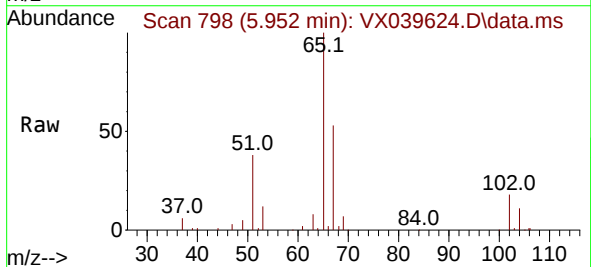
Instrument :
MSVOA_X
ClientSampleId :
1218DL

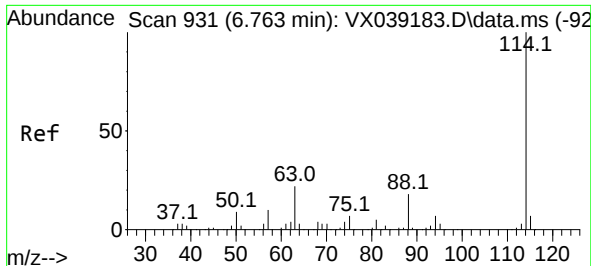
Tgt Ion: 43 Resp: 44645
Ion Ratio Lower Upper
43 100
72 24.9 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 46.418 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

Tgt Ion: 65 Resp: 70067
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.2

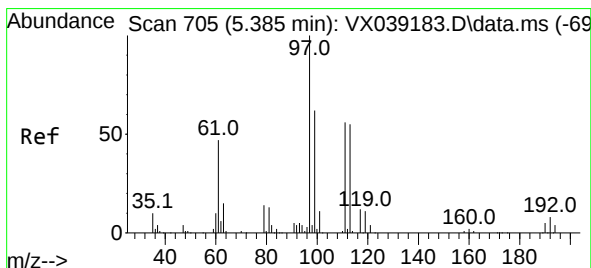
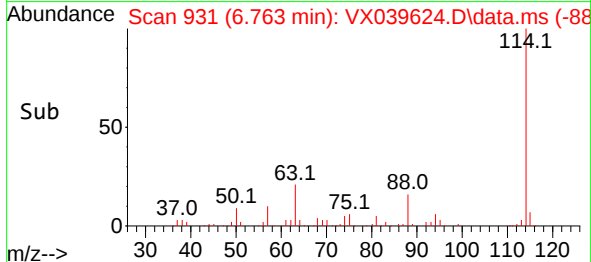
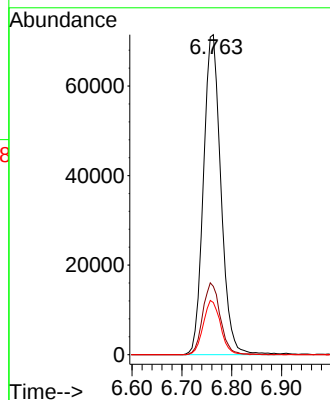
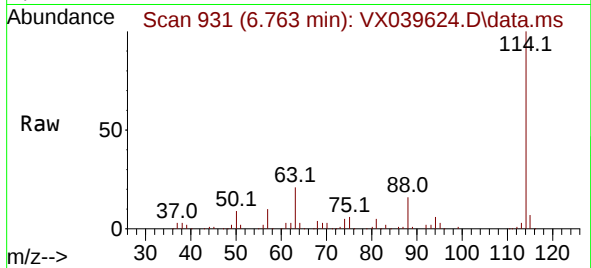




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

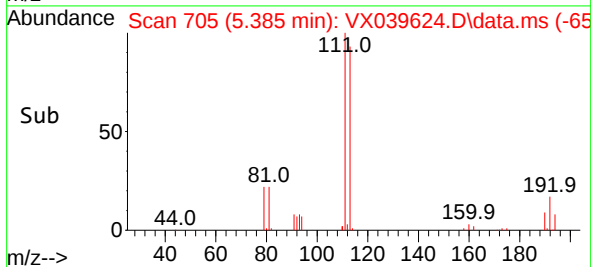
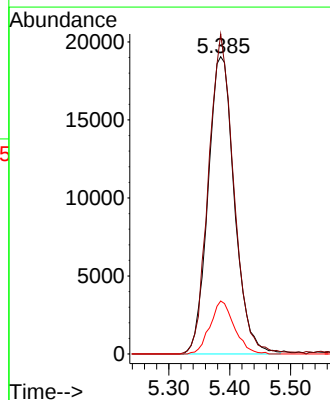
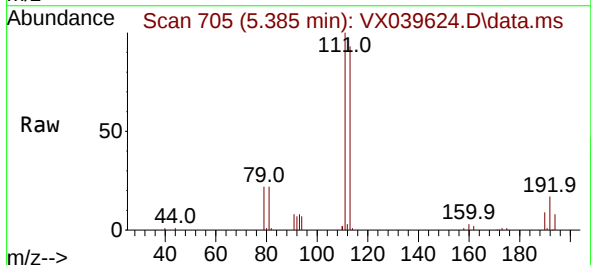
Instrument :
MSVOA_X
ClientSampleId :
1218DL

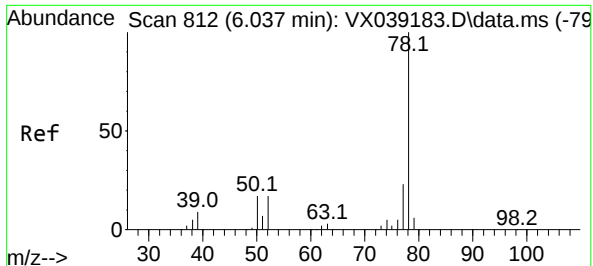
Tgt Ion:114 Resp: 173856
Ion Ratio Lower Upper
114 100
63 21.3 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.750 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

Tgt Ion:113 Resp: 57352
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 16.3 13.3 19.9





#40

Benzene

Concen: 1.371 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX039624.D

Acq: 04 Jan 2024 13:24

Instrument :

MSVOA_X

ClientSampleId :

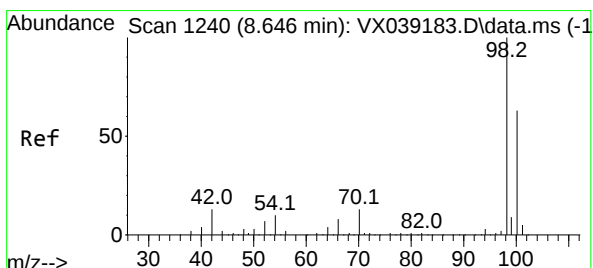
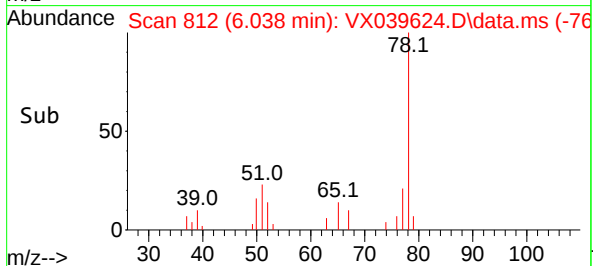
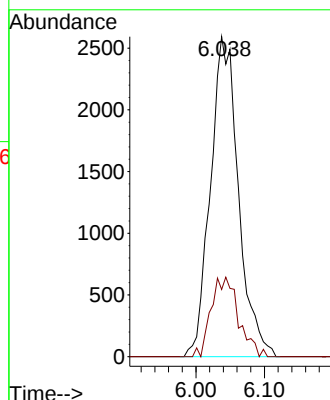
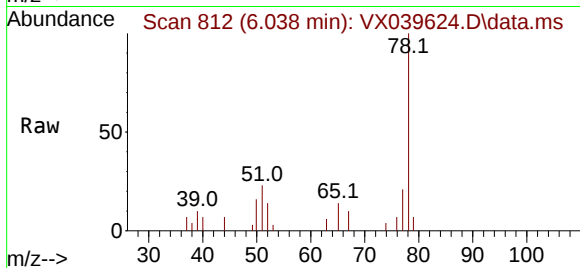
1218DL

Tgt Ion: 78 Resp: 7350

Ion Ratio Lower Upper

78 100

77 21.0 19.3 28.9



#50

Toluene-d8

Concen: 49.303 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039624.D

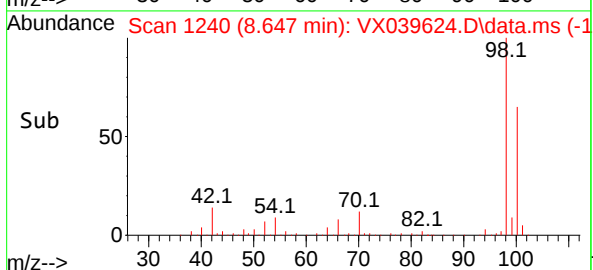
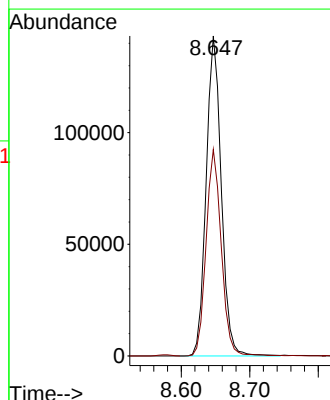
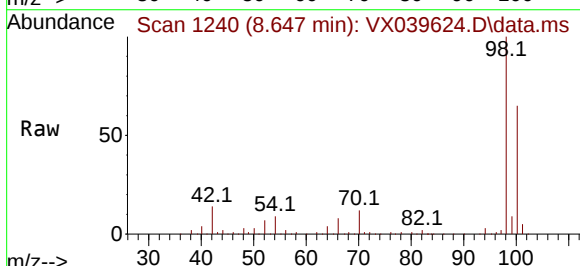
Acq: 04 Jan 2024 13:24

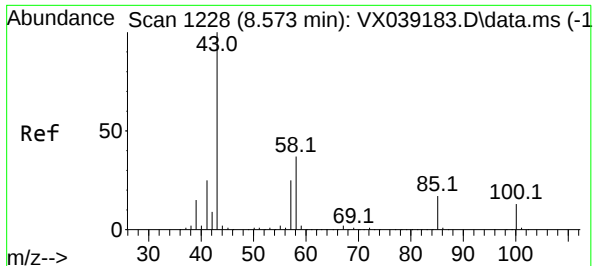
Tgt Ion: 98 Resp: 219843

Ion Ratio Lower Upper

98 100

100 65.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 2.329 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX039624.D

Acq: 04 Jan 2024 13:24

Instrument :

MSVOA_X

ClientSampleId :

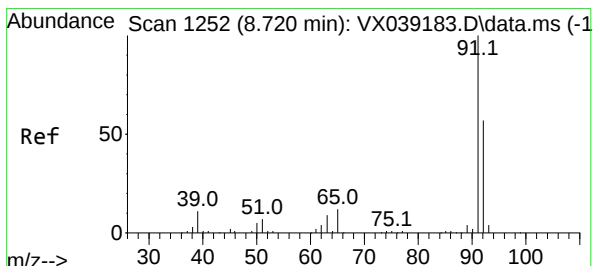
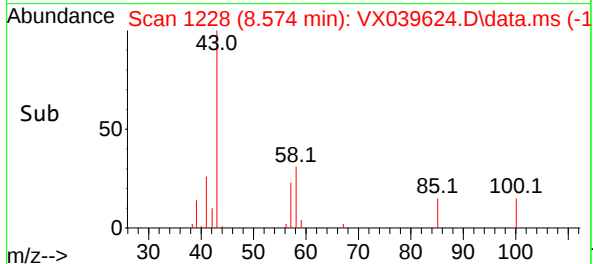
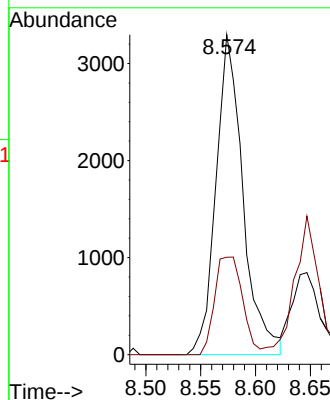
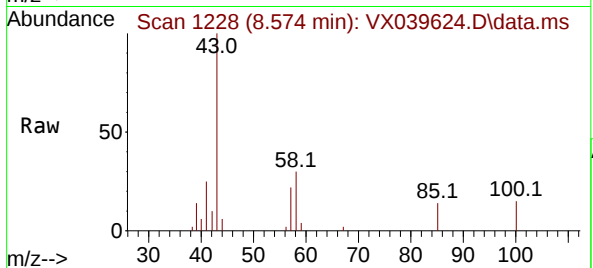
1218DL

Tgt Ion: 43 Resp: 5650

Ion Ratio Lower Upper

43 100

58 31.5 30.4 45.6



#52

Toluene

Concen: 3.311 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX039624.D

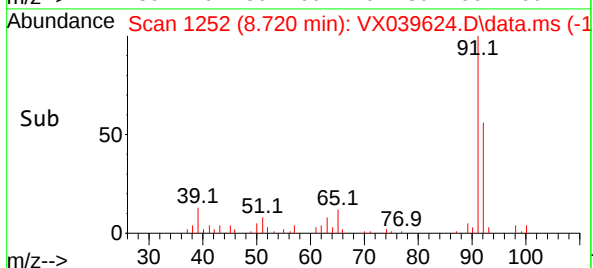
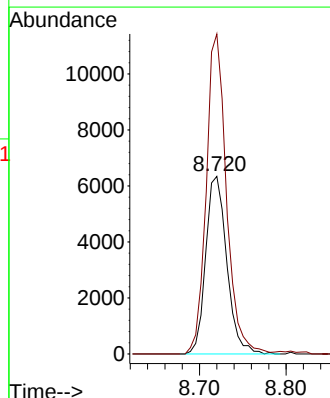
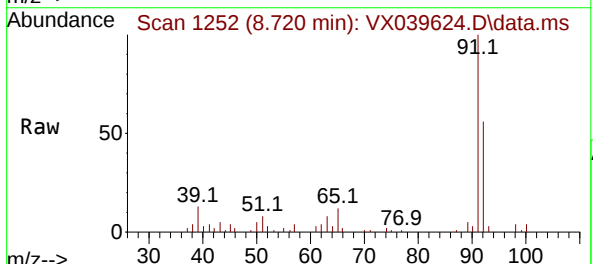
Acq: 04 Jan 2024 13:24

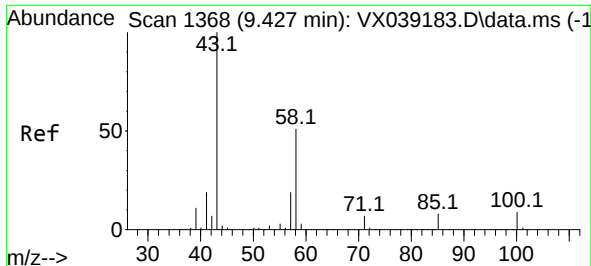
Tgt Ion: 92 Resp: 10714

Ion Ratio Lower Upper

92 100

91 173.0 134.2 201.2





#59

2-Hexanone

Concen: 2.669 ug/l

RT: 9.433 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039624.D

Acq: 04 Jan 2024 13:24

Instrument :

MSVOA_X

ClientSampleId :

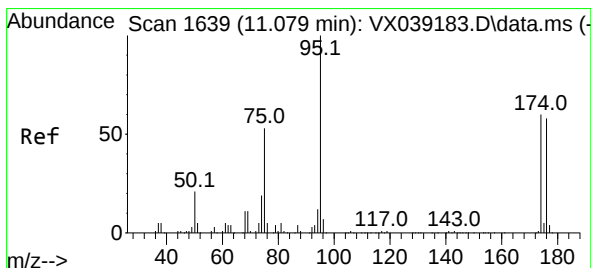
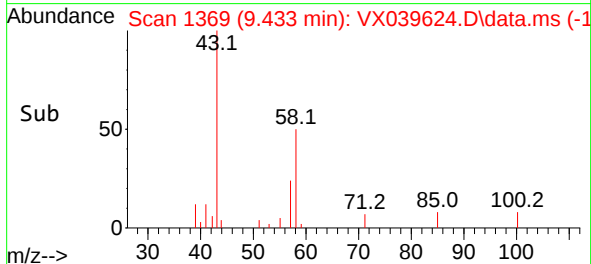
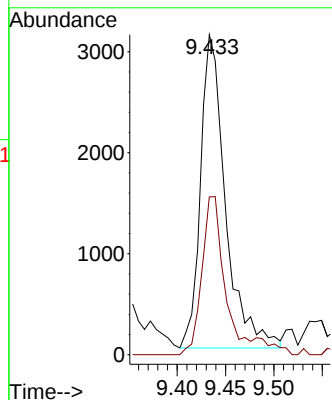
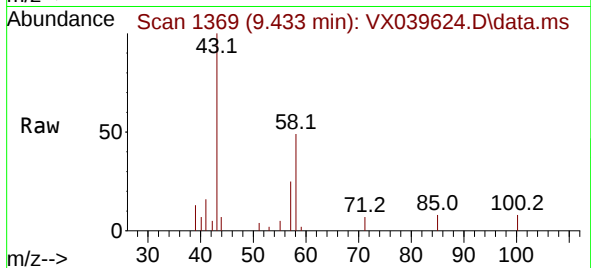
1218DL

Tgt Ion: 43 Resp: 5589

Ion Ratio Lower Upper

43 100

58 49.6 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 57.079 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039624.D

Acq: 04 Jan 2024 13:24

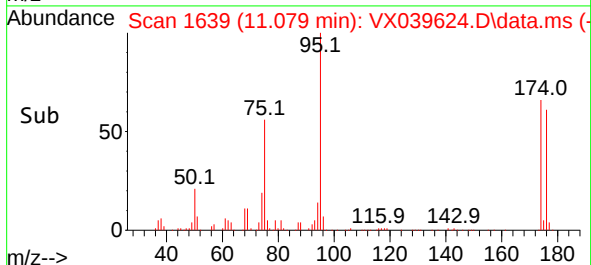
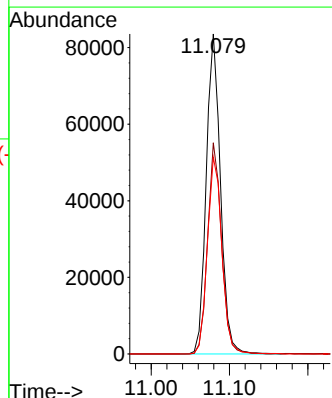
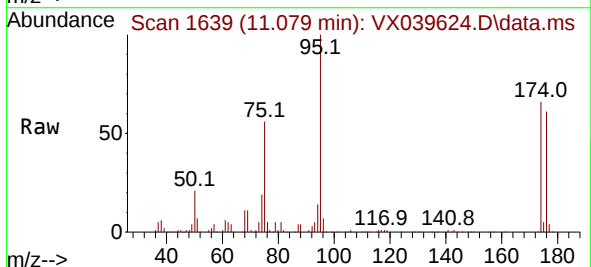
Tgt Ion: 95 Resp: 105014

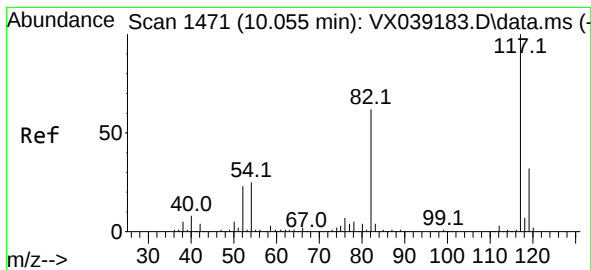
Ion Ratio Lower Upper

95 100

174 64.4 0.0 135.6

176 62.9 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: VX039624.D

Acq: 04 Jan 2024 13:24

Instrument :

MSVOA_X

ClientSampleId :

1218DL

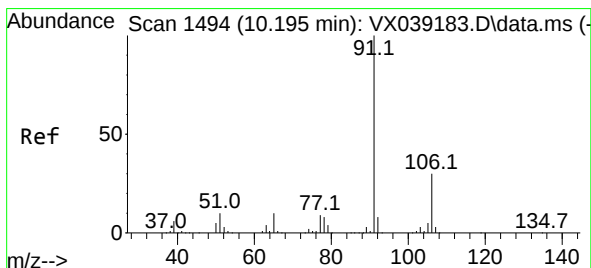
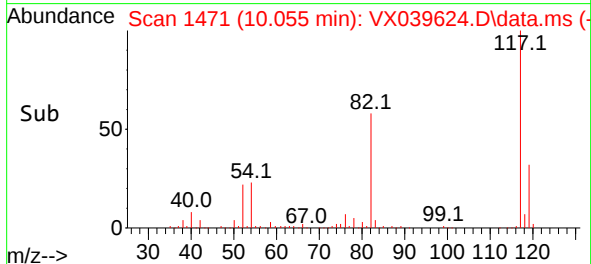
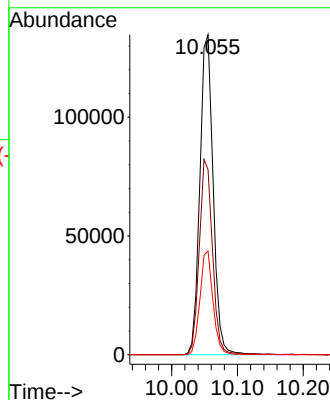
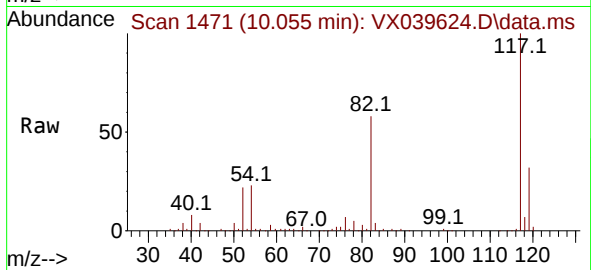
Tgt Ion:117 Resp: 189049

Ion Ratio Lower Upper

117 100

82 57.9 46.2 69.4

119 32.4 25.5 38.3



#67

Ethyl Benzene

Concen: 1.117 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039624.D

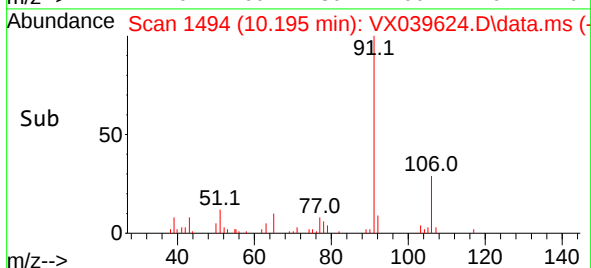
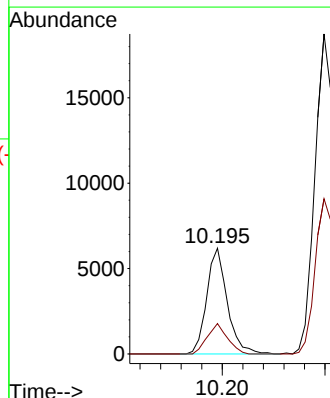
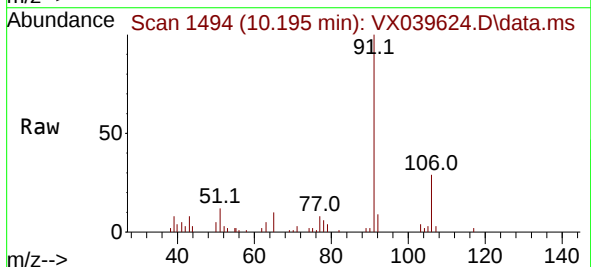
Acq: 04 Jan 2024 13:24

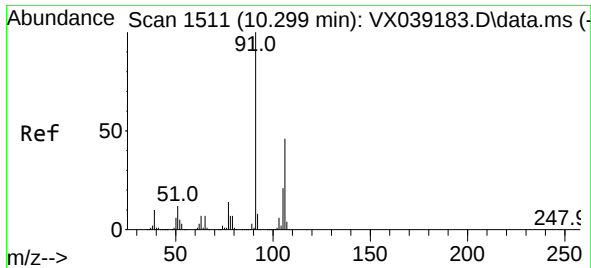
Tgt Ion: 91 Resp: 8583

Ion Ratio Lower Upper

91 100

106 28.8 24.9 37.3

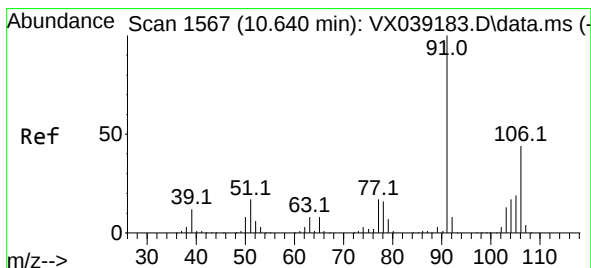
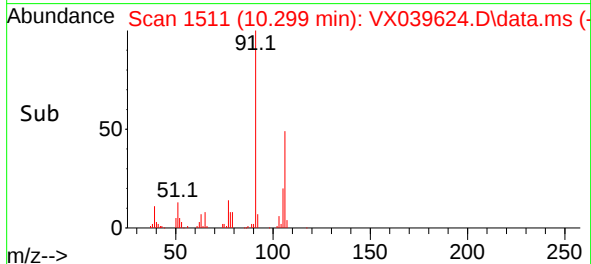
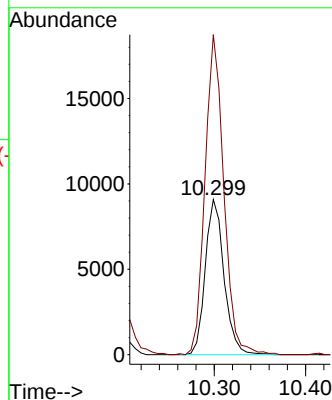
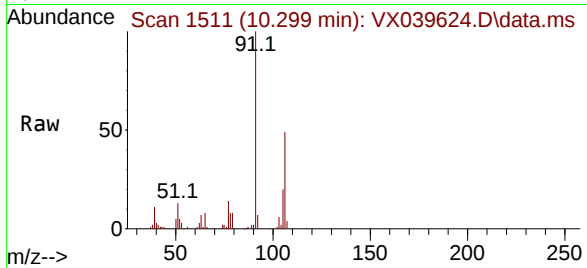




#68
m/p-Xylenes
Concen: 4.697 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

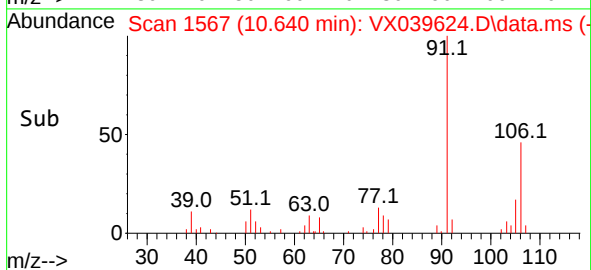
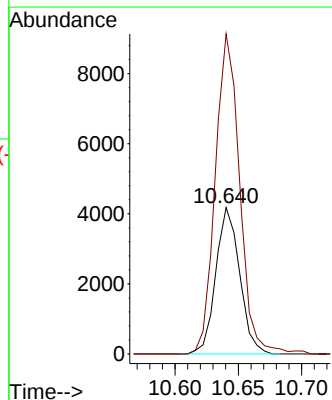
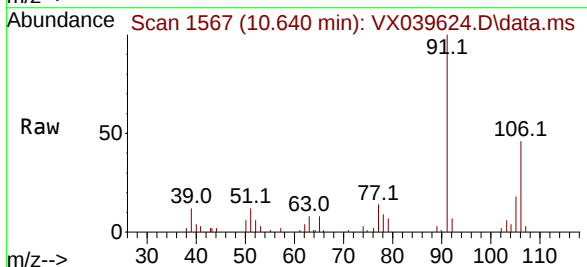
Instrument :
MSVOA_X
ClientSampleId :
1218DL

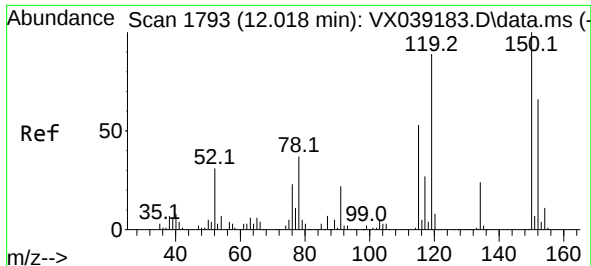
Tgt Ion:106 Resp: 12935
Ion Ratio Lower Upper
106 100
91 206.5 165.5 248.3



#69
o-Xylene
Concen: 2.055 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039624.D
Acq: 04 Jan 2024 13:24

Tgt Ion:106 Resp: 5473
Ion Ratio Lower Upper
106 100
91 224.0 108.9 326.8

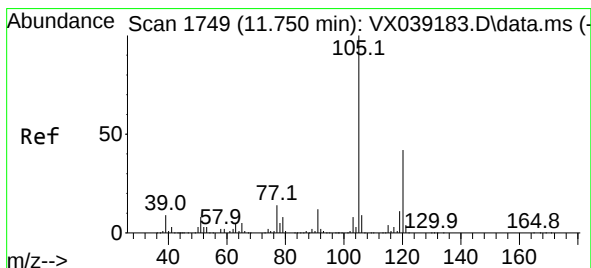
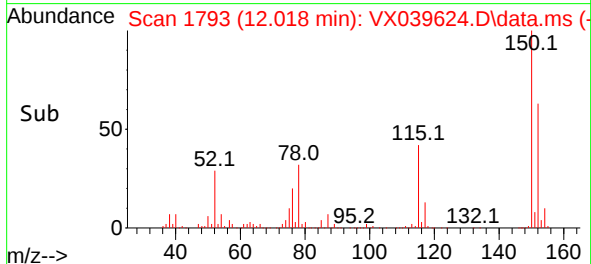
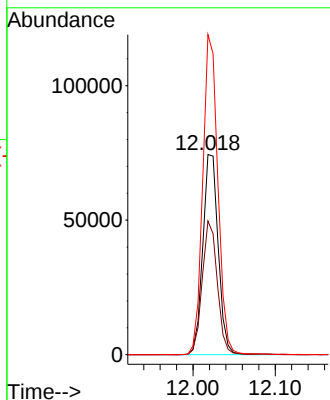
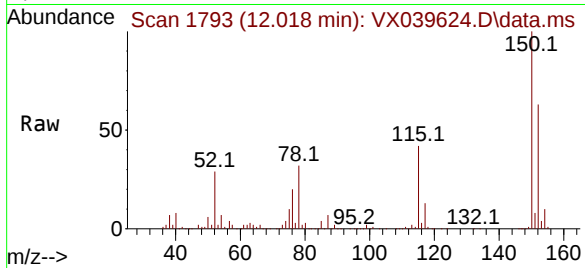




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1793
 Delta R.T. 0.000 min
 Lab File: VX039624.D
 Acq: 04 Jan 2024 13:24

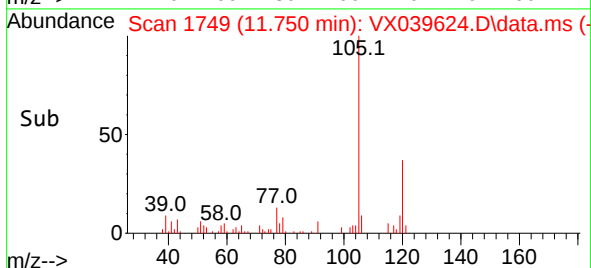
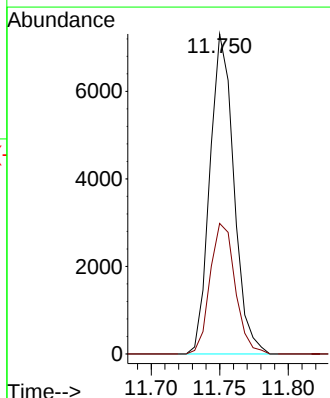
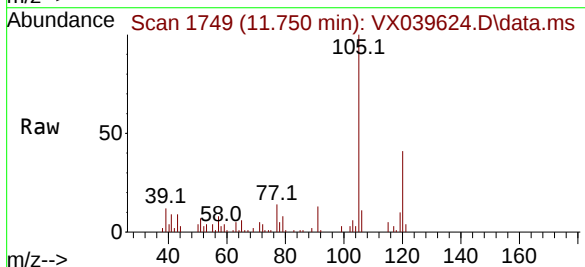
Instrument :
 MSVOA_X
 ClientSampleId :
 1218DL

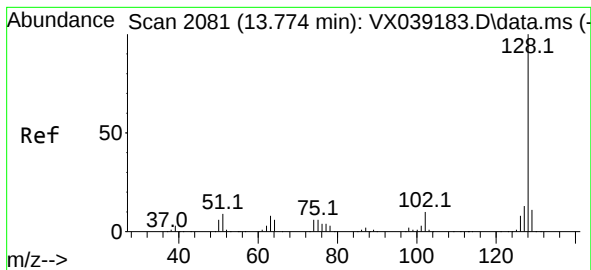
Tgt Ion:152 Resp: 97042
 Ion Ratio Lower Upper
 152 100
 115 65.2 43.3 129.9
 150 157.0 0.0 345.0



#84
 1,2,4-Trimethylbenzene
 Concen: 1.361 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX039624.D
 Acq: 04 Jan 2024 13:24

Tgt Ion:105 Resp: 8899
 Ion Ratio Lower Upper
 105 100
 120 42.8 21.2 63.6





#95

Naphthalene

Concen: 3.953 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX039624.D

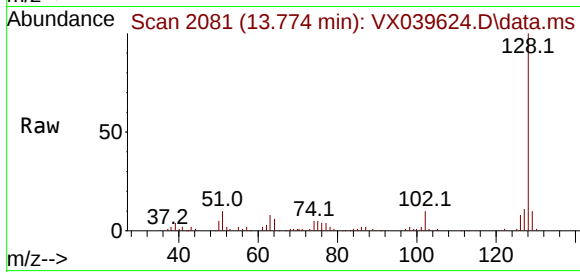
Acq: 04 Jan 2024 13:24

Instrument :

MSVOA_X

ClientSampleId :

1218DL



Tgt Ion:128 Resp: 28055

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.3 8.8 13.2

