

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042123.D
 Acq On : 01 Jul 2024 18:39
 Operator : JC/MD
 Sample : P3106-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-2

Quant Time: Jul 02 02:10:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	140763	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	218194	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107586	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70761	43.594	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.180%
35) Dibromofluoromethane	5.385	113	68441	44.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.420%
50) Toluene-d8	8.647	98	257749	47.390	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.780%
62) 4-Bromofluorobenzene	11.079	95	96532	48.148	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.300%

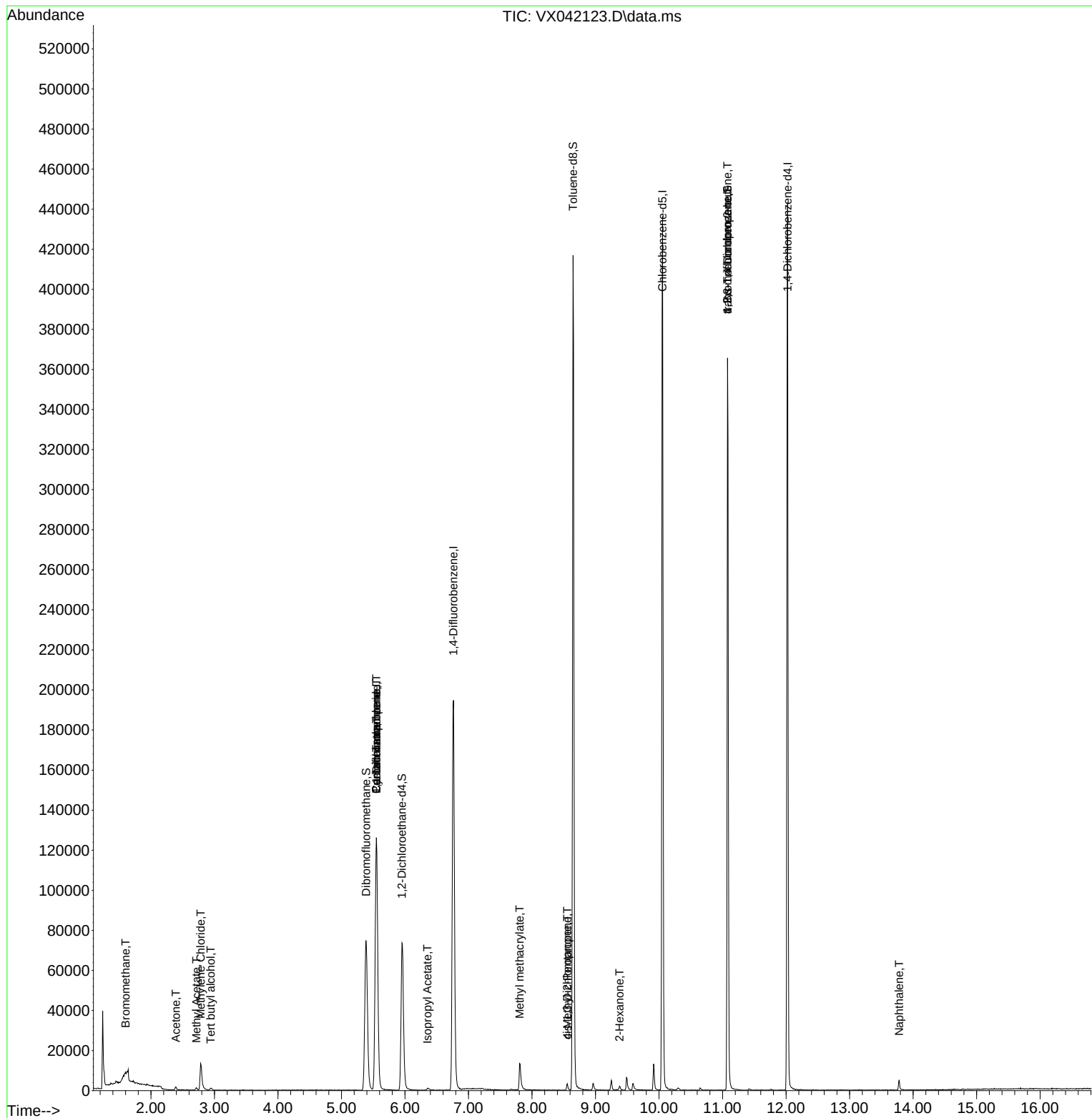
Target Compounds					Qvalue
5) Bromomethane	1.599	94	188	0.282 ug/l	# 3
6) Chloroethane	1.654	64	473	Below Cal	# 53
11) Tert butyl alcohol	2.941	59	704	2.285 ug/l	# 78
16) Acetone	2.392	43	1813	2.544 ug/l	# 77
18) Methyl Acetate	2.715	43	1596	0.821 ug/l	# 98
20) Methylene Chloride	2.782	84	7807	5.002 ug/l	# 87
31) Cyclohexane	5.550	56	1868	0.984 ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7946	4.833 ug/l	# 50
38) Carbon Tetrachloride	5.550	117	11775	6.482 ug/l	# 15
43) Isopropyl Acetate	6.355	43	1598	0.486 ug/l	# 81
48) Methyl methacrylate	7.806	41	1371	0.874 ug/l	# 46
51) 4-Methyl-2-Pentanone	8.555	43	1388	0.613 ug/l	# 37
54) cis-1,3-Dichloropropene	8.555	75	525	0.263 ug/l	# 52
59) 2-Hexanone	9.378	43	1816	1.047 ug/l	# 26
76) 1,2,3-Trichloropropane	11.079	75	43902	22.478 ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43902	63.835 ug/l	# 5
95) Naphthalene	13.780	128	4112	1.273 ug/l	# 97

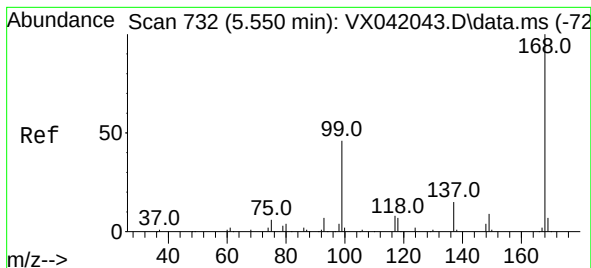
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 02:10:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration

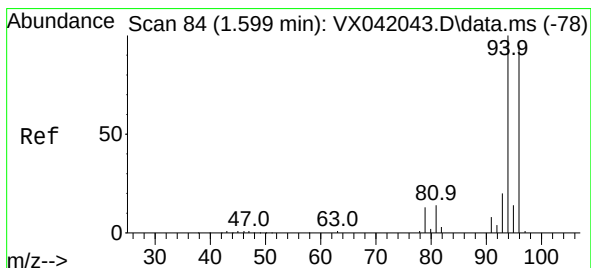
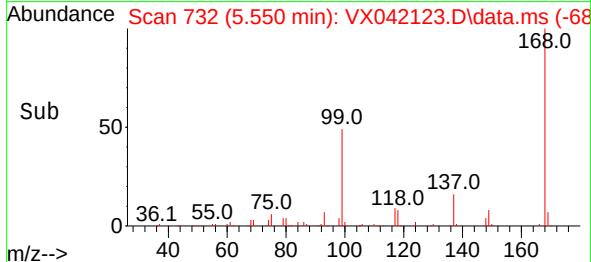
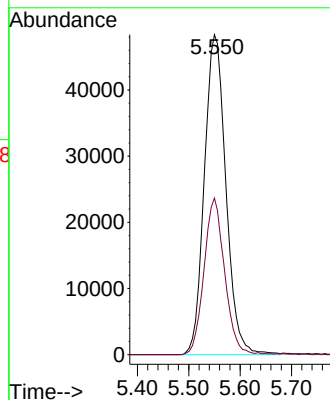
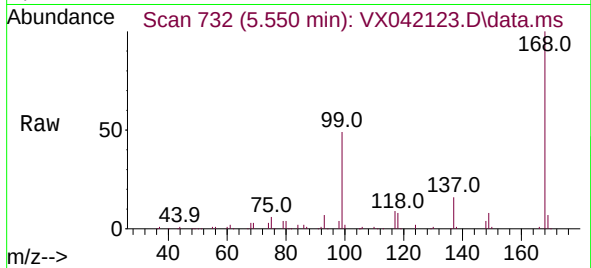




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

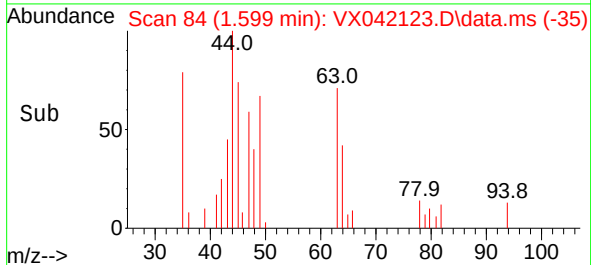
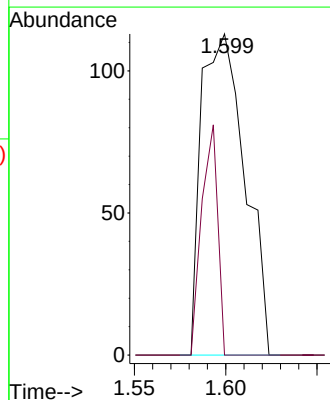
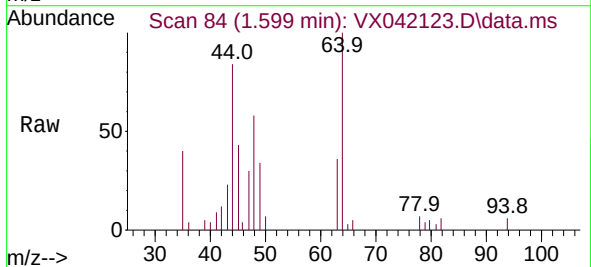
Instrument :
MSVOA_X
ClientSampleId :
S-2

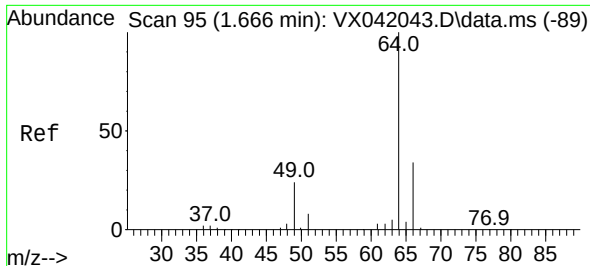
Tgt Ion:168 Resp: 140763
Ion Ratio Lower Upper
168 100
99 49.0 56.6 85.0#



#5
Bromomethane
Concen: 0.282 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

Tgt Ion: 94 Resp: 188
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

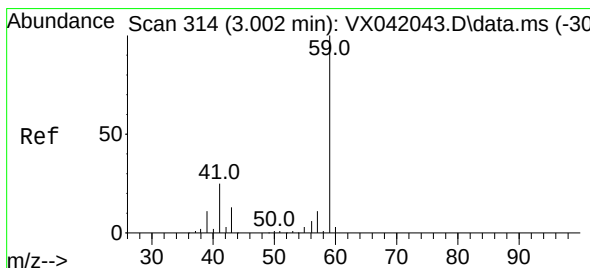
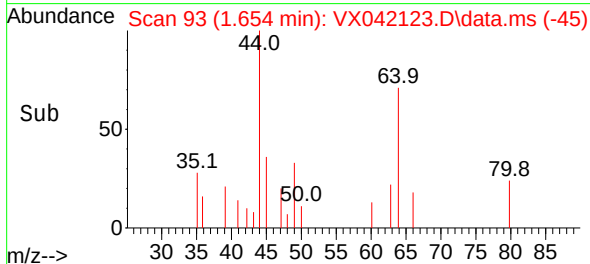
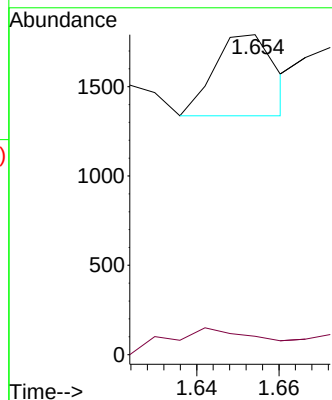
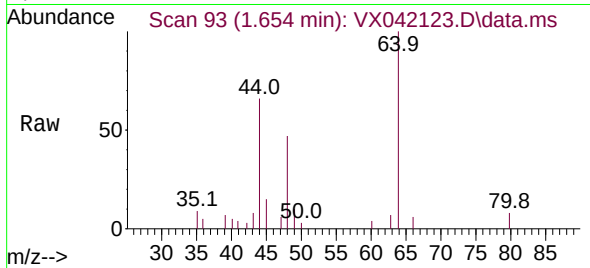




#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

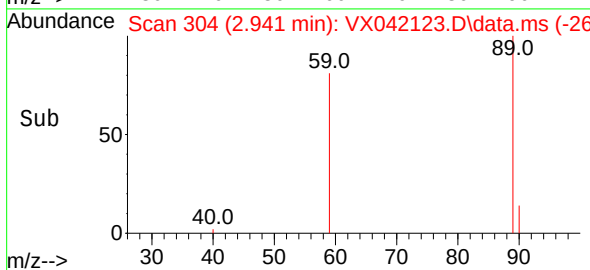
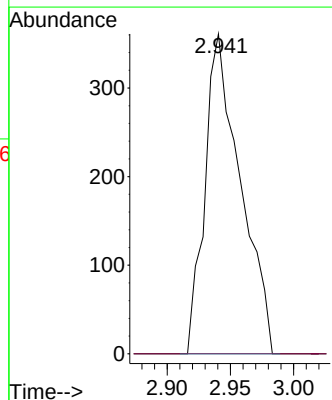
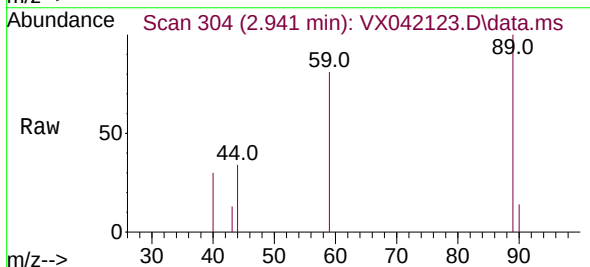
Instrument :
MSVOA_X
ClientSampleId :
S-2

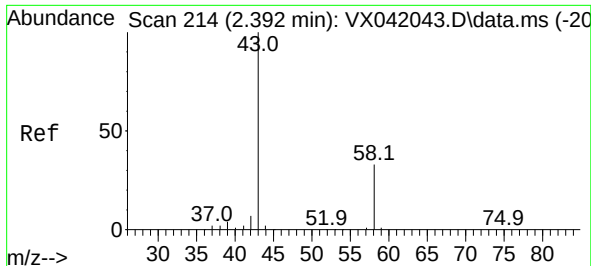
Tgt Ion: 64 Resp: 473
Ion Ratio Lower Upper
64 100
66 5.5 25.1 37.7#



#11
Tert butyl alcohol
Concen: 2.285 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

Tgt Ion: 59 Resp: 704
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

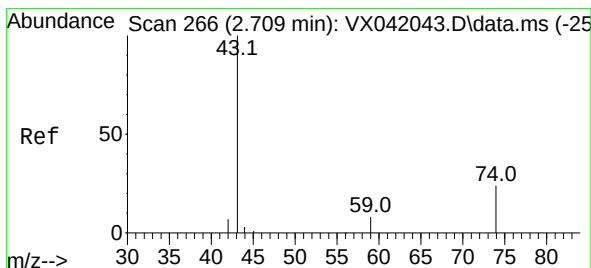
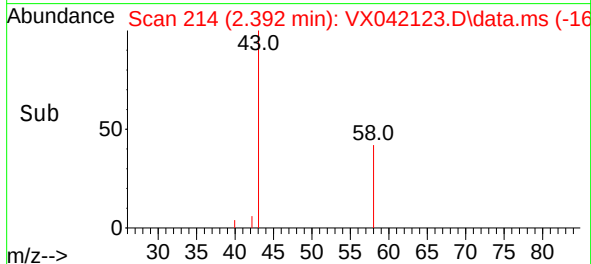
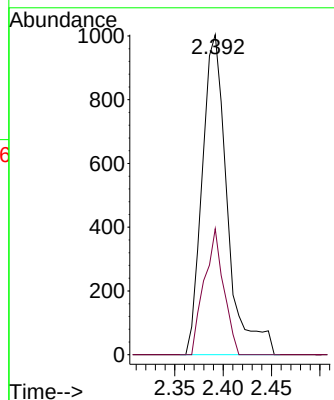
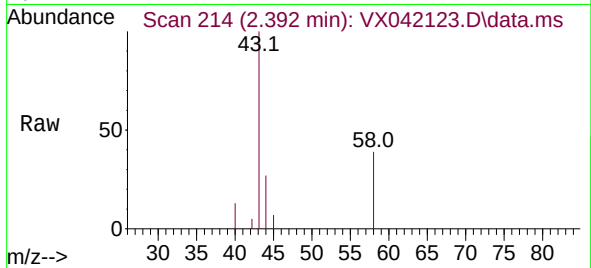




#16
Acetone
Concen: 2.544 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

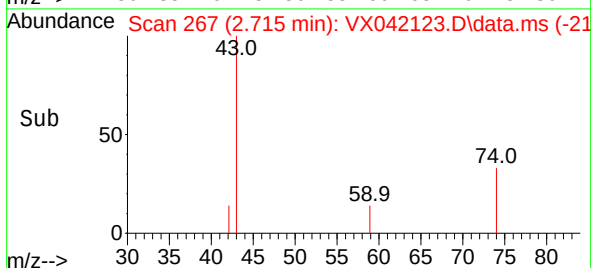
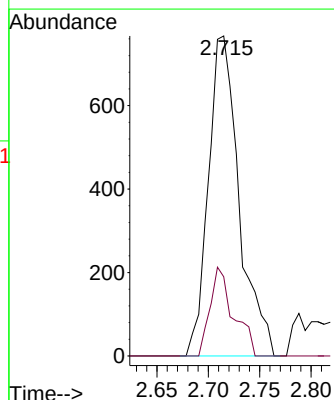
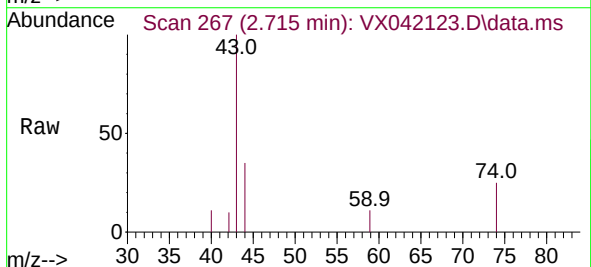
Instrument :
MSVOA_X
ClientSampleId :
S-2

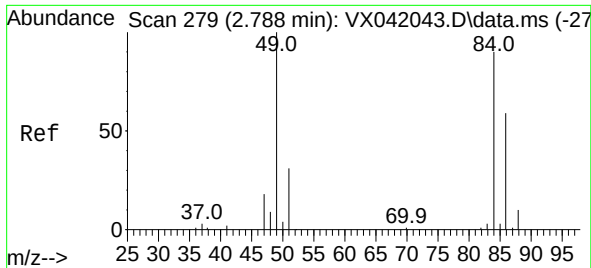
Tgt Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
58 39.3 21.9 32.9#



#18
Methyl Acetate
Concen: 0.821 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
74 21.2 17.8 26.8

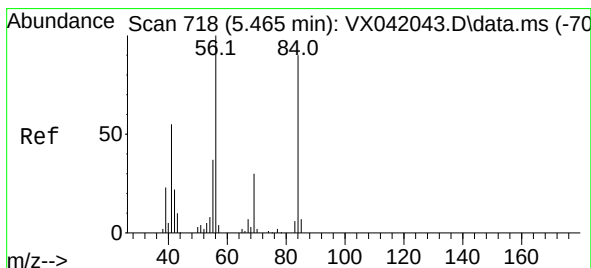
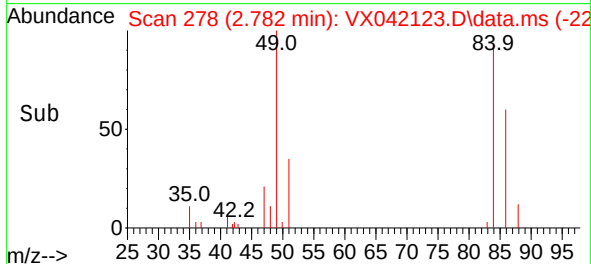
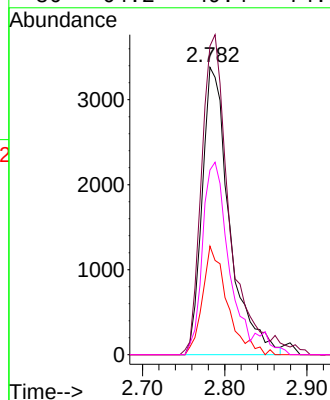
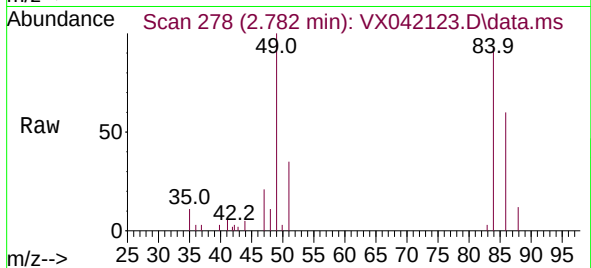




#20
Methylene Chloride
Concen: 5.002 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

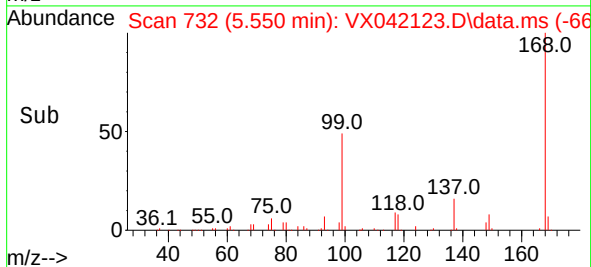
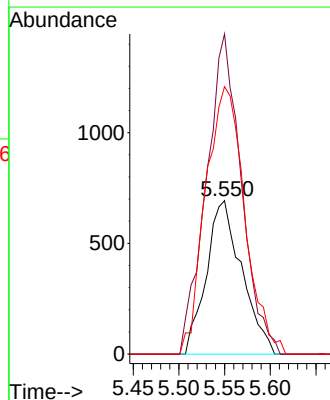
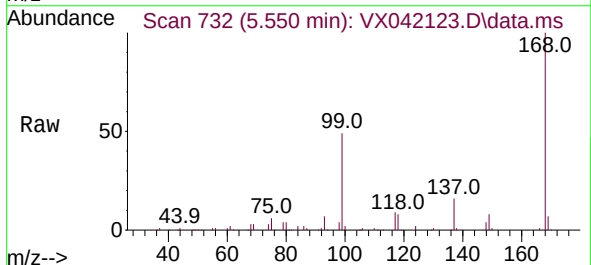
Instrument :
MSVOA_X
ClientSampleId :
S-2

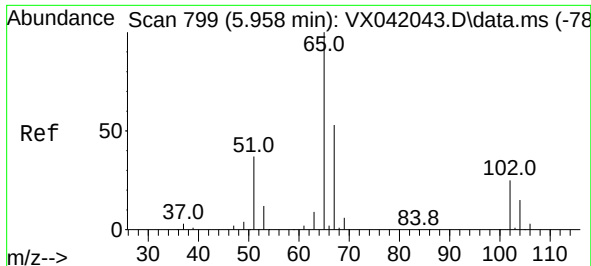
Tgt Ion: 84	Resp: 7807
Ion Ratio	Lower Upper
84 100	
49 107.4	103.6 155.4
51 37.7	33.8 50.6
86 64.2	49.4 74.0



#31
Cyclohexane
Concen: 0.984 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

Tgt Ion: 56	Resp: 1868
Ion Ratio	Lower Upper
56 100	
69 208.7	23.4 35.2#
84 174.3	65.9 98.9#

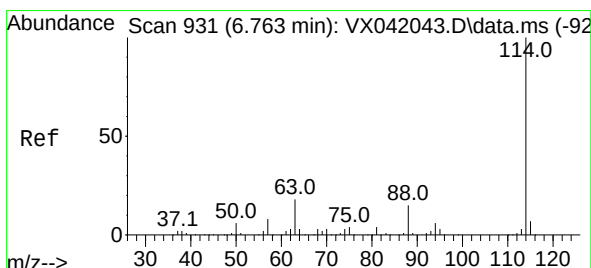
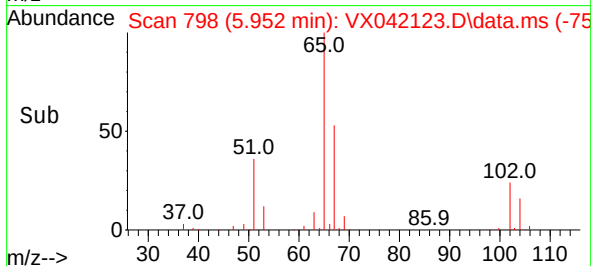
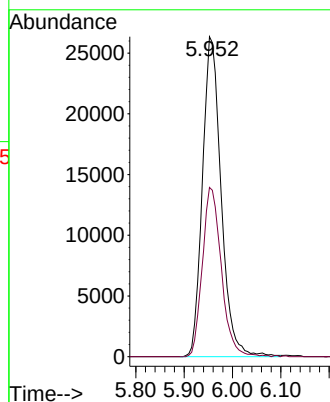
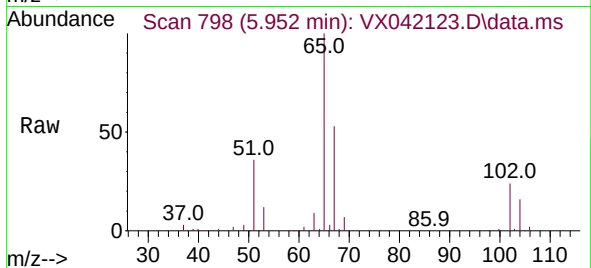




#33
 1,2-Dichloroethane-d4
 Concen: 43.594 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX042123.D
 Acq: 01 Jul 2024 18:39

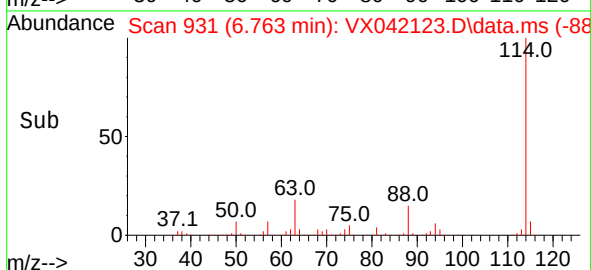
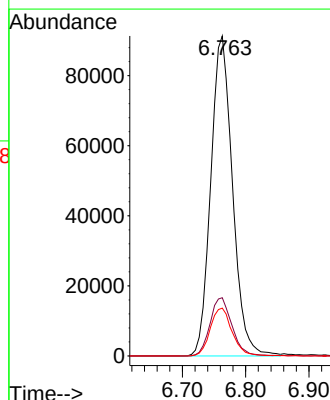
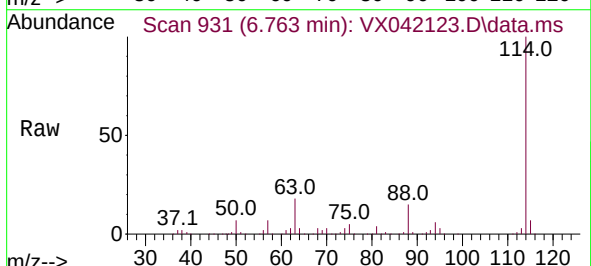
Instrument :
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 ClientSampleId :
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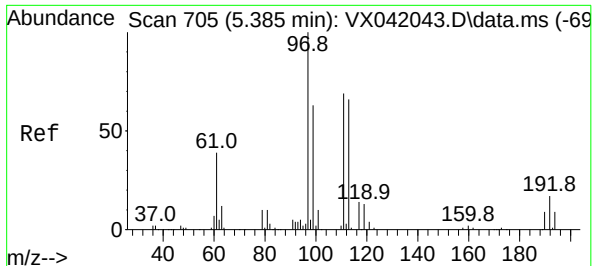
Tgt Ion: 65 Resp: 70761
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX042123.D
 Acq: 01 Jul 2024 18:39

Tgt Ion: 114 Resp: 218194
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 45.0
 88 15.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.207 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX042123.D

Acq: 01 Jul 2024 18:39

Instrument :

MSVOA_X

ClientSampleId :

S-2

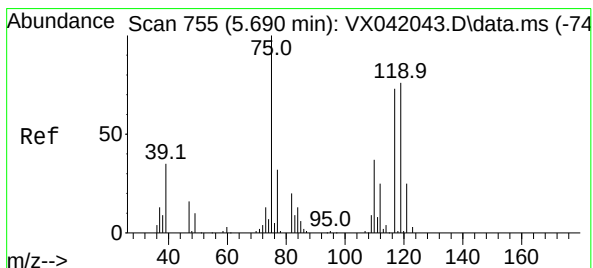
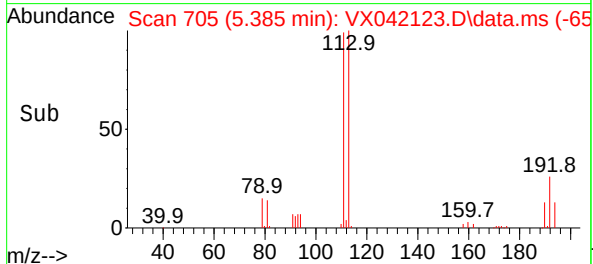
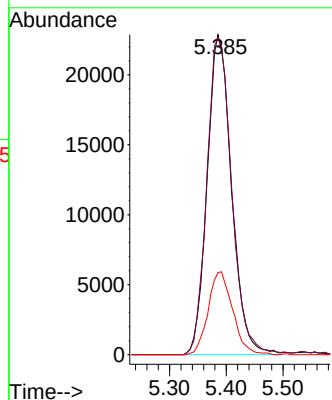
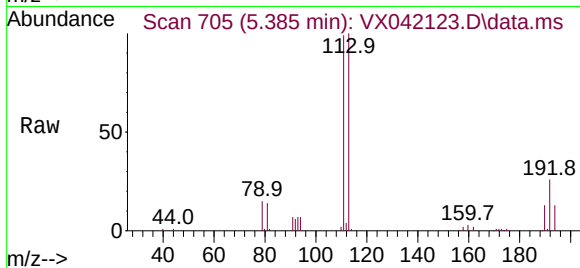
Tgt Ion:113 Resp: 68441

Ion Ratio Lower Upper

113 100

111 101.1 82.9 124.3

192 25.9 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX042123.D

Acq: 01 Jul 2024 18:39

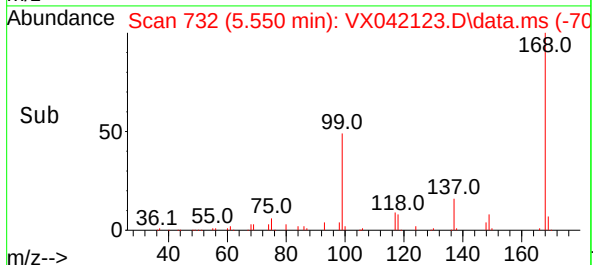
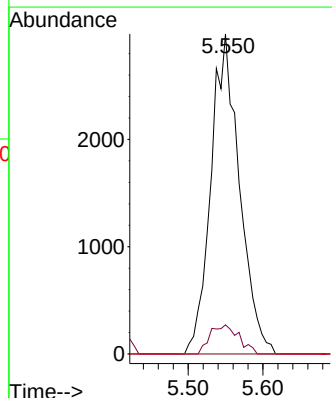
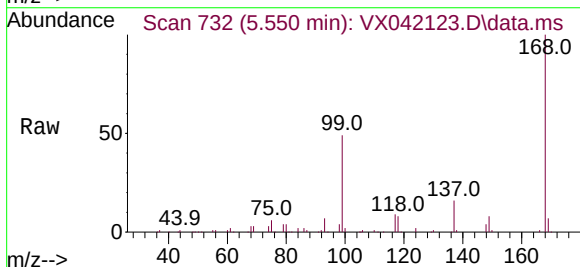
Tgt Ion: 75 Resp: 7946

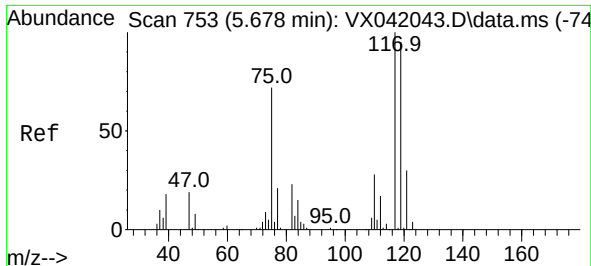
Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.482 ug/l

RT: 5.550 min Scan# 74

Delta R.T. -0.128 min

Lab File: VX042123.D

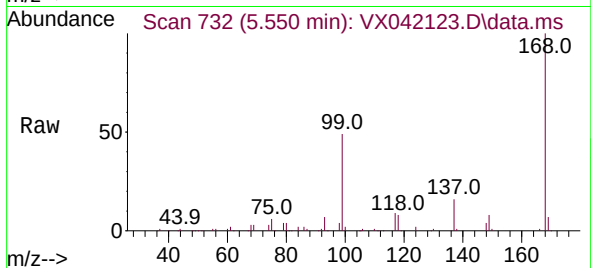
Acq: 01 Jul 2024 18:39

Instrument :

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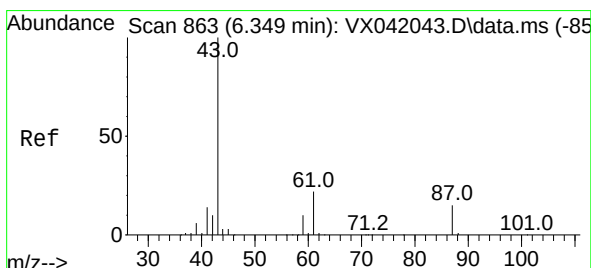
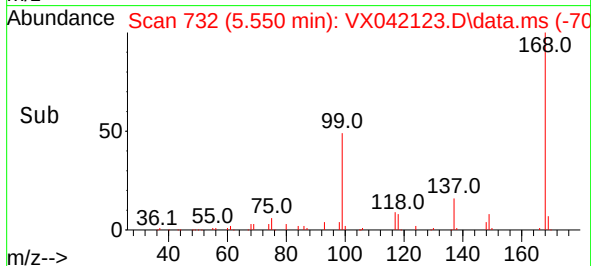
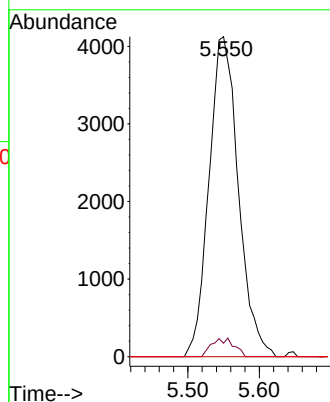
Tgt Ion:117 Resp: 11775

Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 0.486 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.006 min

Lab File: VX042123.D

Acq: 01 Jul 2024 18:39

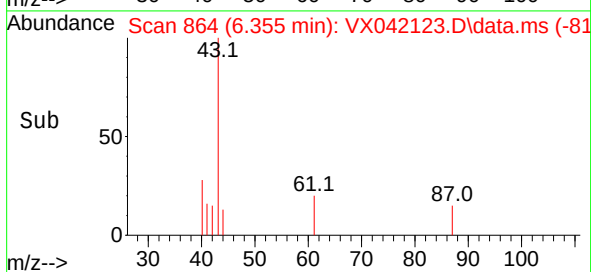
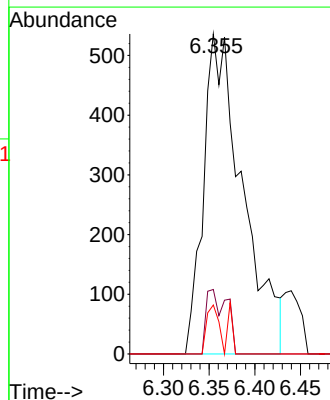
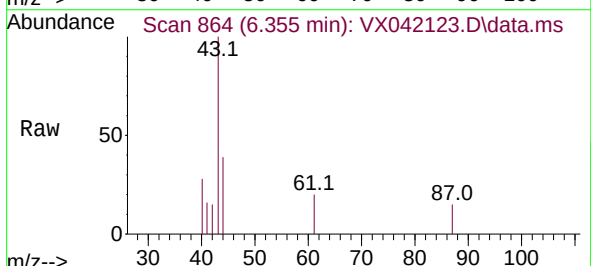
Tgt Ion: 43 Resp: 1598

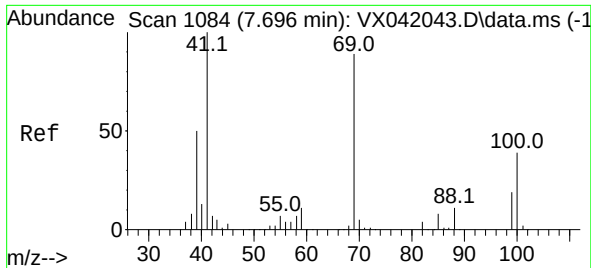
Ion Ratio Lower Upper

43 100

61 10.5 15.2 22.8#

87 4.7 9.8 14.6#

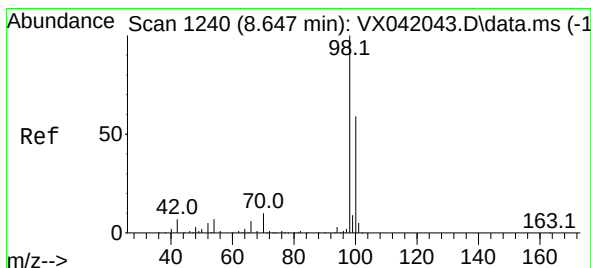
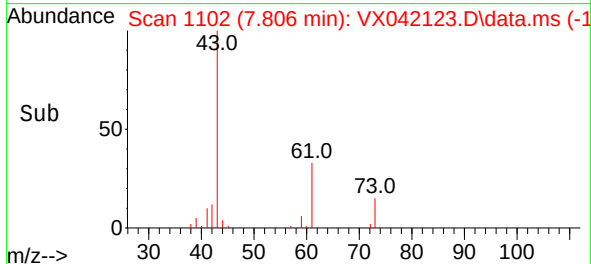
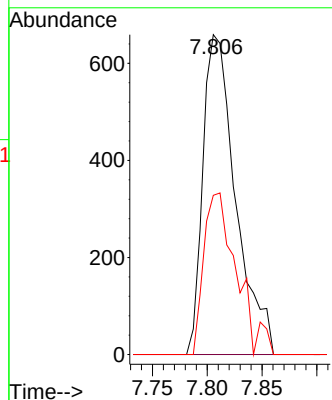
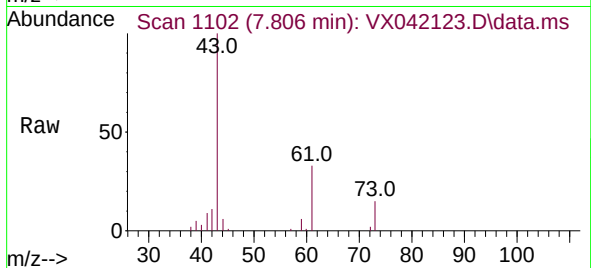




#48
Methyl methacrylate
Concen: 0.874 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

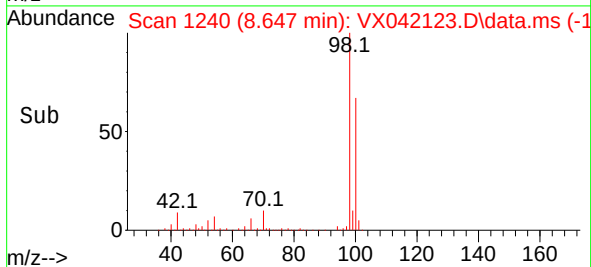
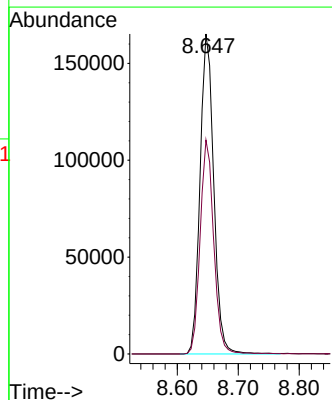
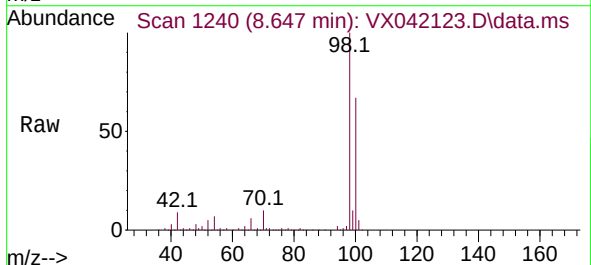
Instrument :
MSVOA_X
ClientSampleId :
S-2

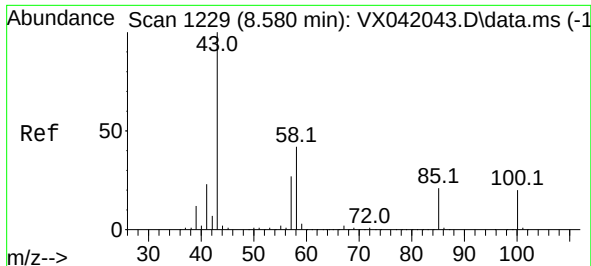
Tgt Ion: 41 Resp: 1371
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 50.5 47.7 71.5



#50
Toluene-d8
Concen: 47.390 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

Tgt Ion: 98 Resp: 257749
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

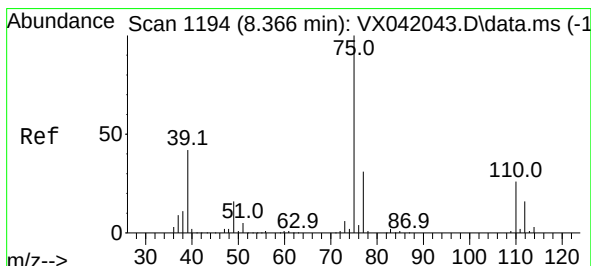
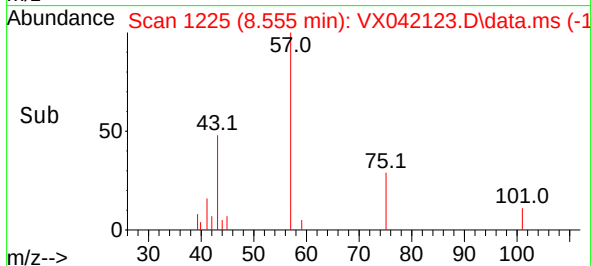
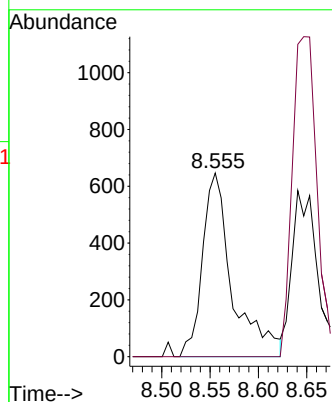
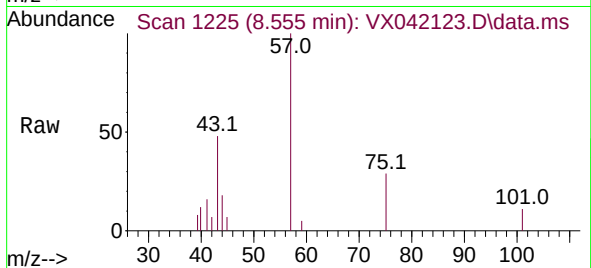




#51
4-Methyl-2-Pentanone
Concen: 0.613 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.024 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

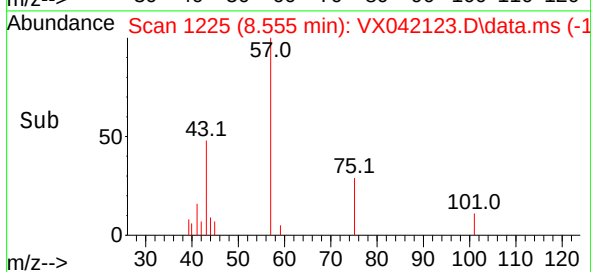
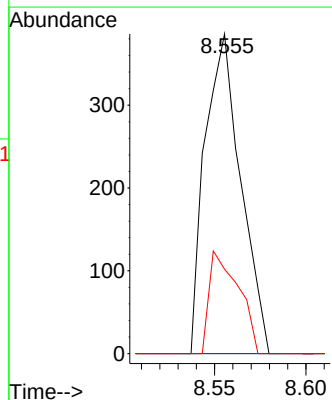
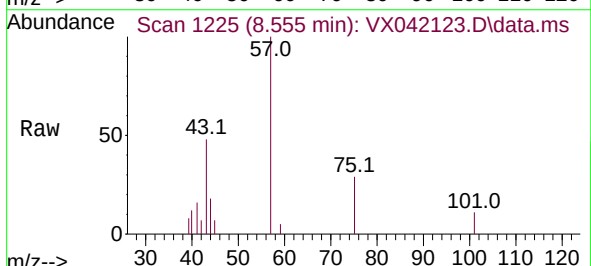
Instrument :
MSVOA_X
ClientSampleId :
S-2

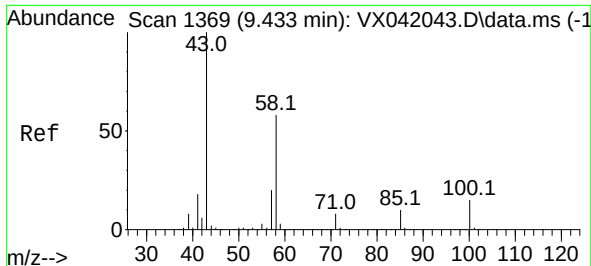
Tgt Ion: 43 Resp: 1388
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 0.263 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.189 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

Tgt Ion: 75 Resp: 525
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 26.4 46.7 70.1#

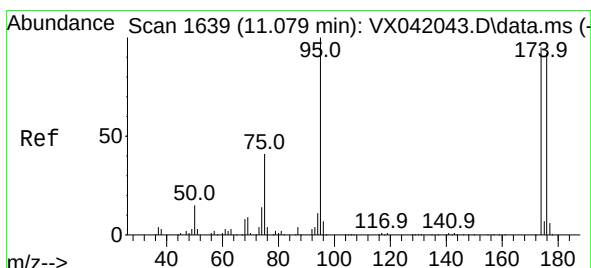
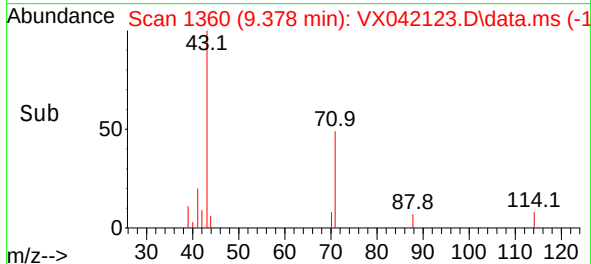
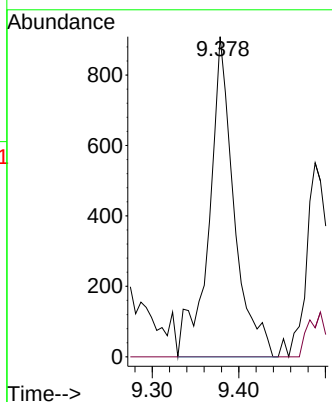
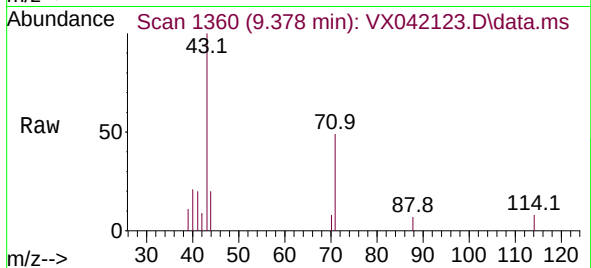




#59
2-Hexanone
Concen: 1.047 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

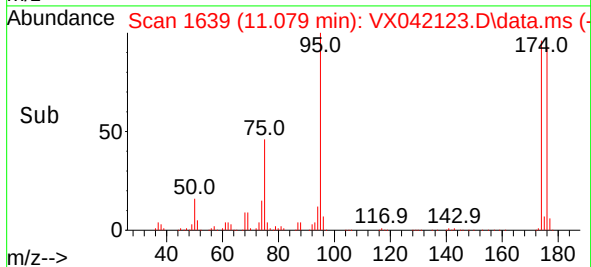
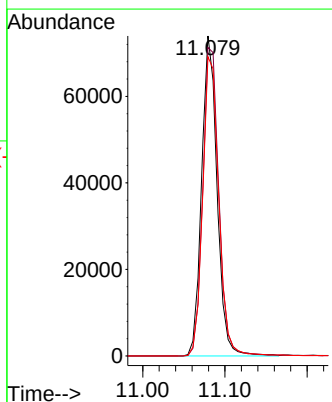
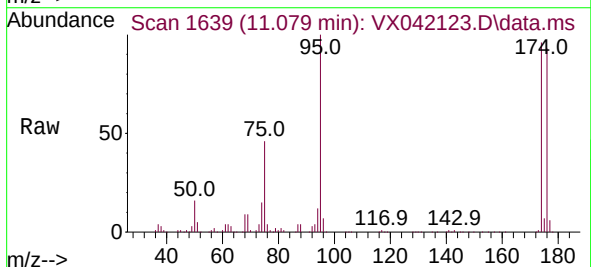
Instrument :
MSVOA_X
ClientSampleId :
S-2

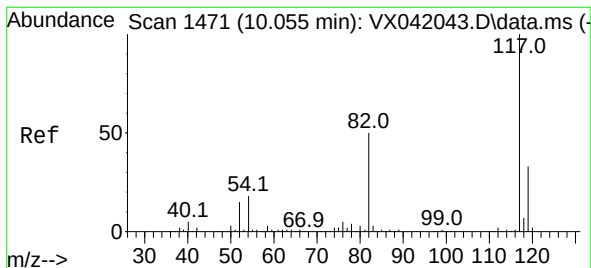
Tgt Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.148 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042123.D
Acq: 01 Jul 2024 18:39

Tgt Ion: 95 Resp: 96532
Ion Ratio Lower Upper
95 100
174 100.4 0.0 135.6
176 97.5 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: VX042123.D

Acq: 01 Jul 2024 18:39

Instrument :

MSVOA_X

ClientSampleId :

S-2

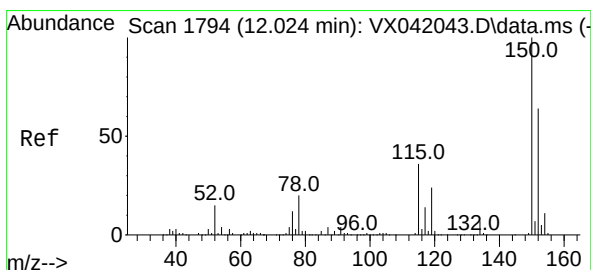
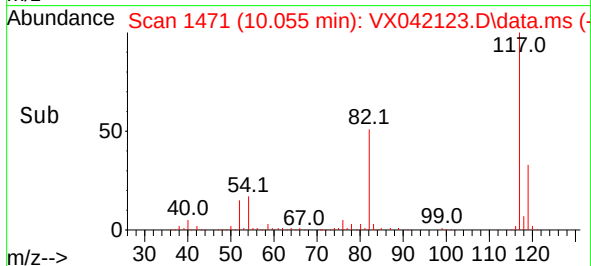
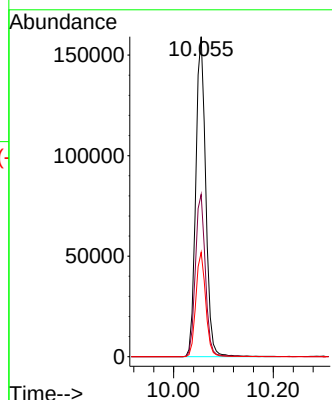
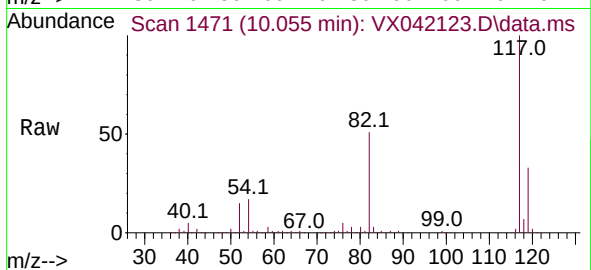
Tgt Ion:117 Resp: 220859

Ion Ratio Lower Upper

117 100

82 50.7 46.2 69.4

119 32.6 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX042123.D

Acq: 01 Jul 2024 18:39

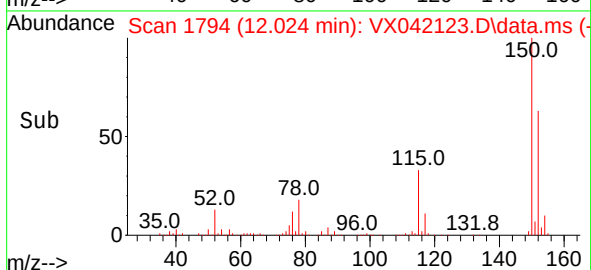
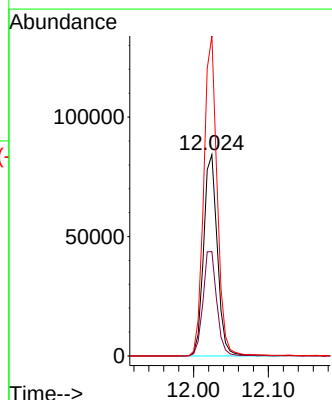
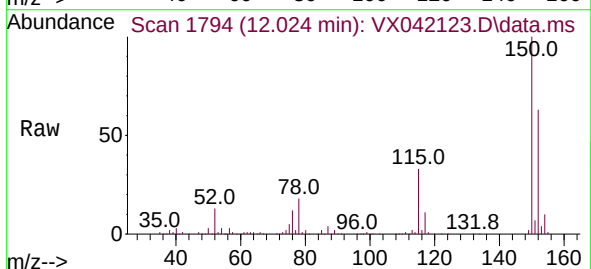
Tgt Ion:152 Resp: 107586

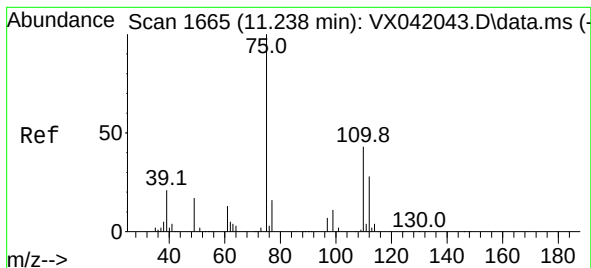
Ion Ratio Lower Upper

152 100

115 52.3 43.3 129.9

150 154.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.478 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX042123.D

Acq: 01 Jul 2024 18:39

Instrument :

MSVOA_X

ClientSampleId :

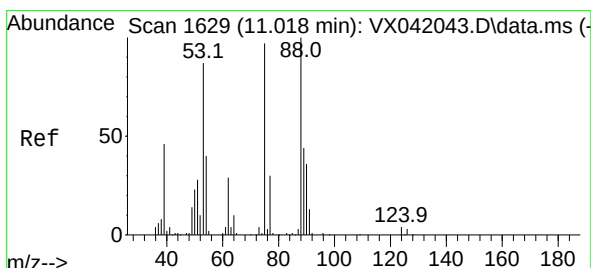
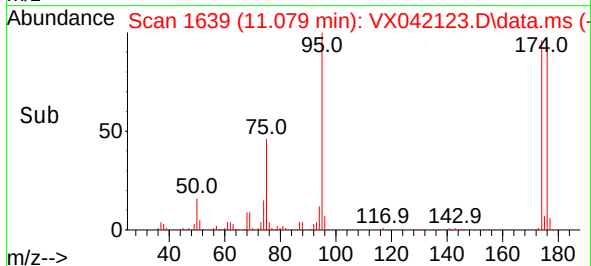
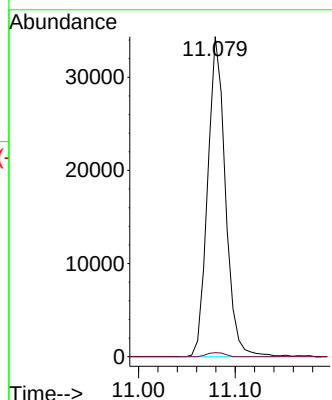
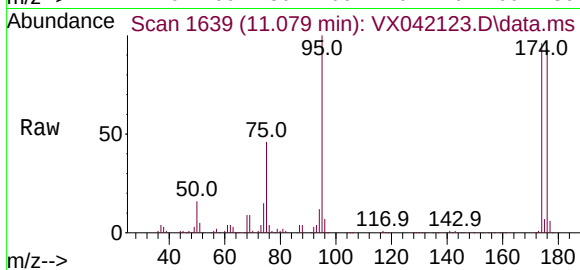
S-2

Tgt Ion: 75 Resp: 43902

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.835 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042123.D

Acq: 01 Jul 2024 18:39

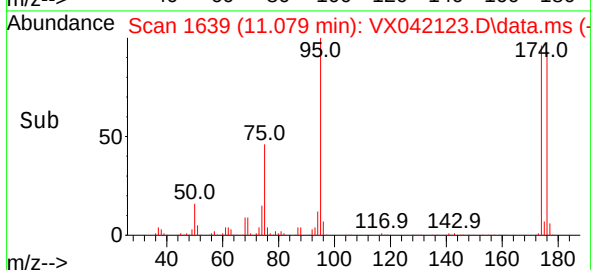
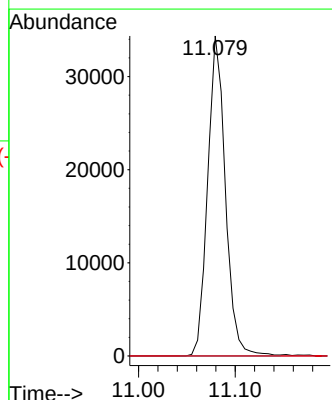
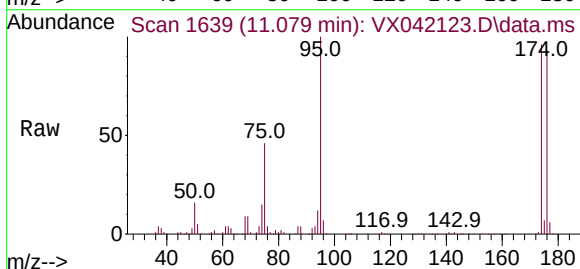
Tgt Ion: 75 Resp: 43902

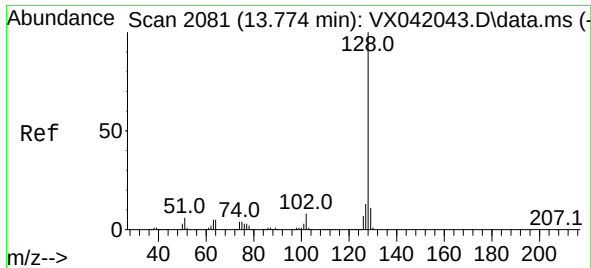
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 1.273 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042123.D

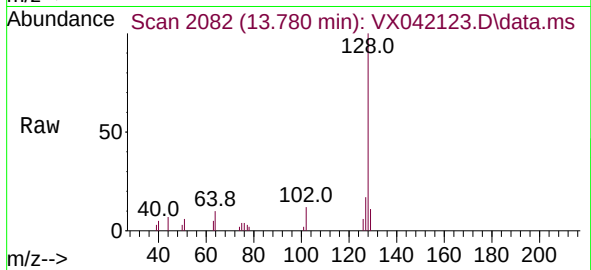
Acq: 01 Jul 2024 18:39

Instrument :

MSVOA_X

ClientSampleId :

S-2



Tgt Ion:128 Resp: 4112

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 9.2 8.8 13.2

