

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042324\
 Data File : VX041219.D
 Acq On : 23 Apr 2024 16:50
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 24 01:50:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

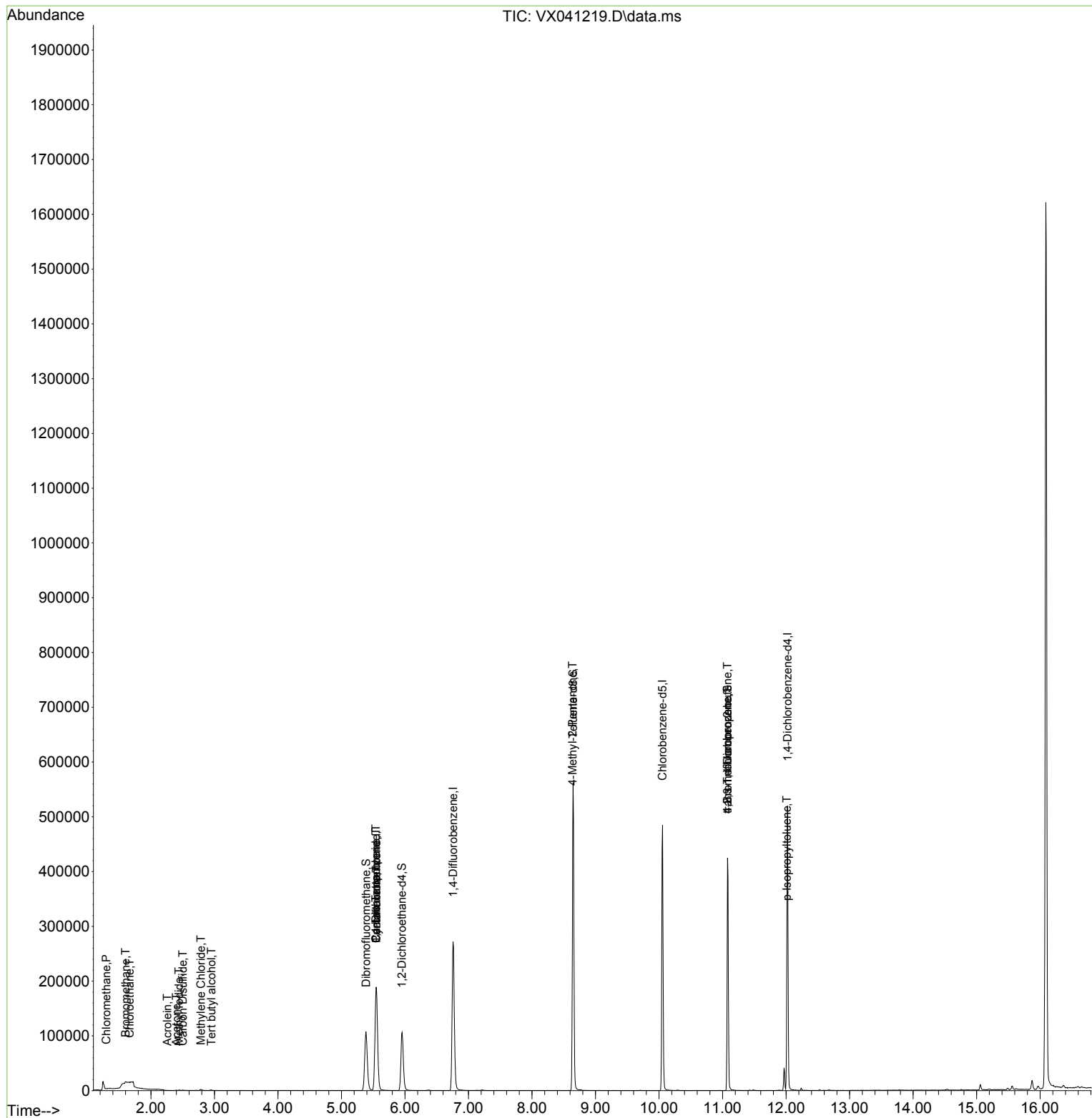
Internal Standards						
1) Pentafluorobenzene	5.550	168	210637	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	303479	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105391	52.561	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 105.120%		
35) Dibromofluoromethane	5.385	113	92355	50.029	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.060%		
50) Toluene-d8	8.647	98	345790	55.519	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 111.040%		
62) 4-Bromofluorobenzene	11.079	95	104763	45.572	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 91.140%		
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	361	0.200	ug/l	# 43
5) Bromomethane	1.599	94	1205	1.186	ug/l	90
6) Chloroethane	1.666	64	189	0.276	ug/l	# 48
10) Methyl Iodide	2.440	142	950	0.479	ug/l	# 81
11) Tert butyl alcohol	2.953	59	709	1.974	ug/l	# 78
13) Acrolein	2.258	56	108	0.268	ug/l	# 14
16) Acetone	2.398	43	335	0.459	ug/l	# 65
17) Carbon Disulfide	2.501	76	1040	0.324	ug/l	# 76
20) Methylene Chloride	2.788	84	1299	0.729	ug/l	# 70
31) Cyclohexane	5.550	56	3216	1.192	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	12404	5.251	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	17841	6.763	ug/l	# 14
51) 4-Methyl-2-Pentanone	8.641	43	1431	0.548	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	53173	27.333	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	53173	77.115	ug/l	# 5
86) p-Isopropyltoluene	12.012	119	2610	0.383	ug/l	# 75

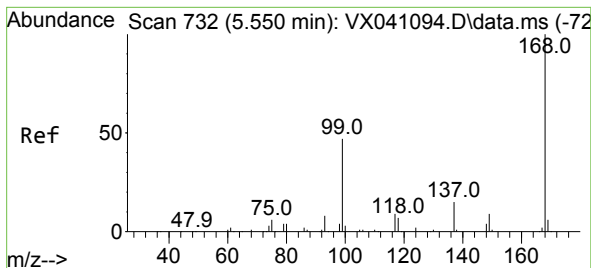
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
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QLast Update : Tue Apr 23 05:30:28 2024
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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: VX041219.D

Acq: 23 Apr 2024 16:50

Instrument :

MSVOA_X

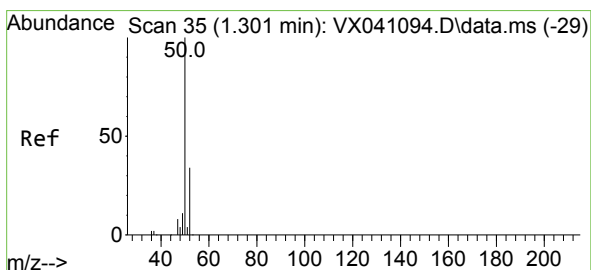
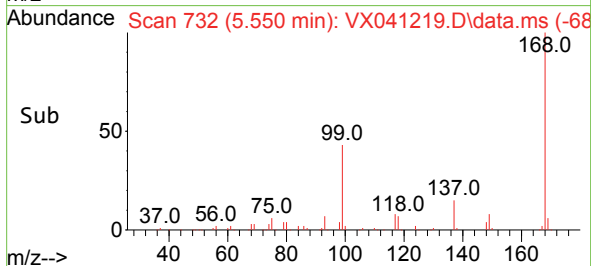
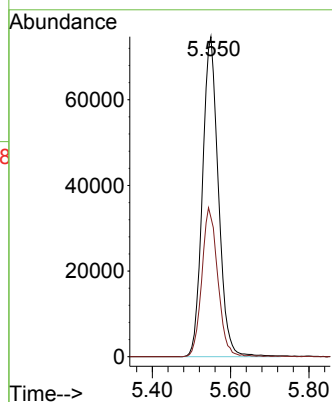
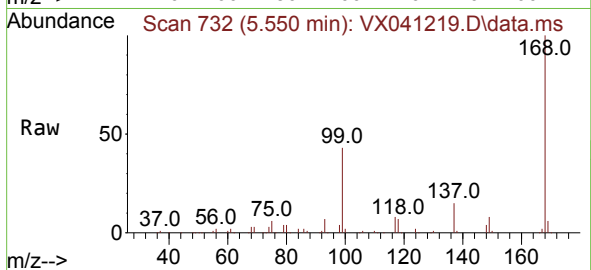
ClientSampleId :

Tgt Ion:168 Resp: 210637

Ion Ratio Lower Upper

168 100

99 43.5 56.6 85.0#



#3

Chloromethane

Concen: 0.200 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX041219.D

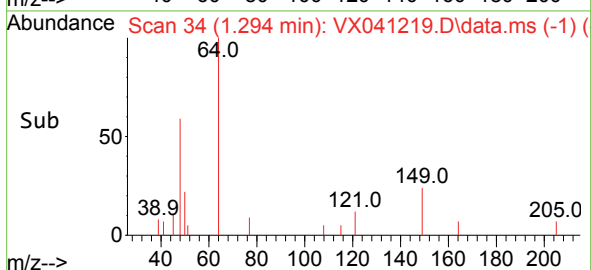
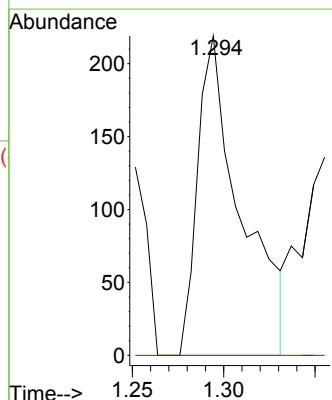
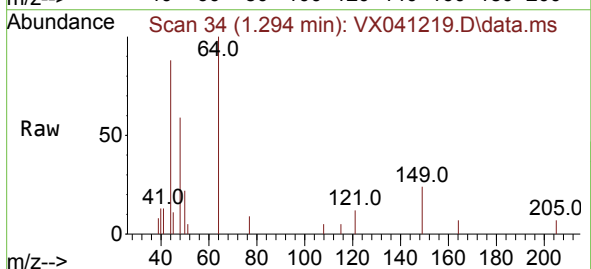
Acq: 23 Apr 2024 16:50

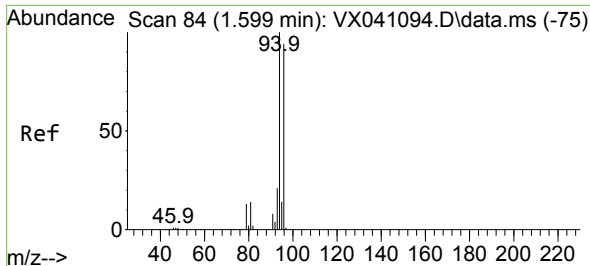
Tgt Ion: 50 Resp: 361

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

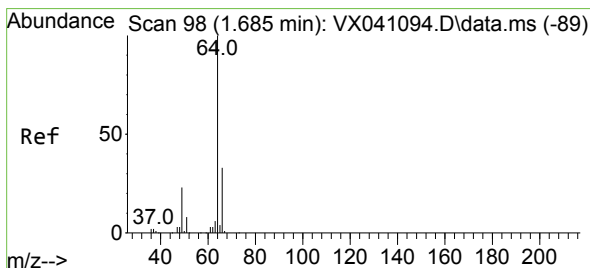
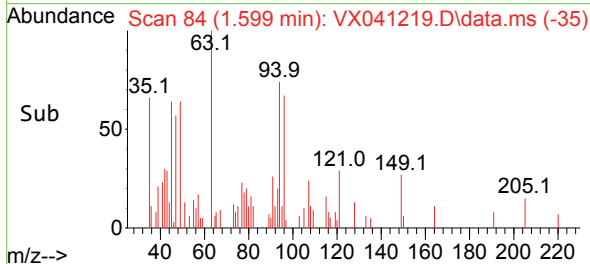
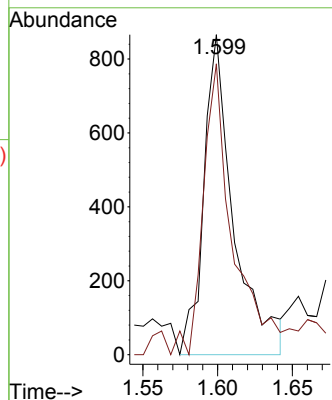
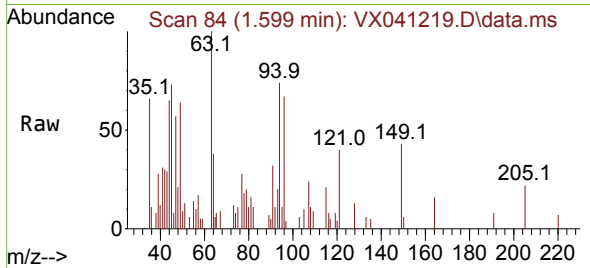




#5
Bromomethane
Concen: 1.186 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

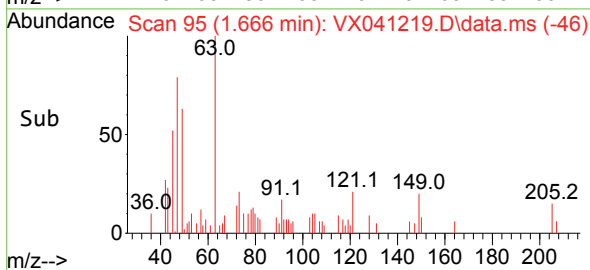
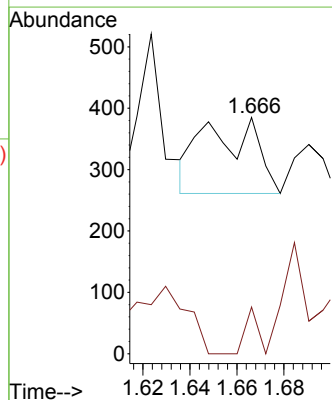
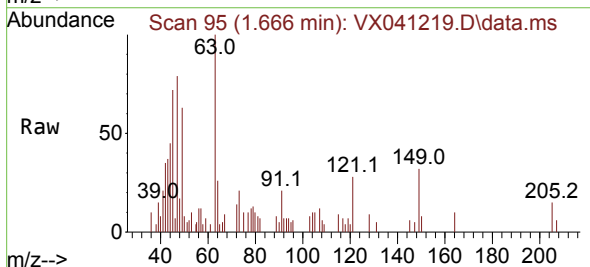
Instrument :
MSVOA_X
ClientSampleId :

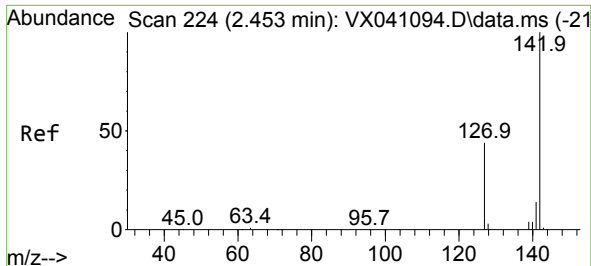
Tgt Ion: 94 Resp: 1205
Ion Ratio Lower Upper
94 100
96 83.9 74.6 111.8



#6
Chloroethane
Concen: 0.276 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

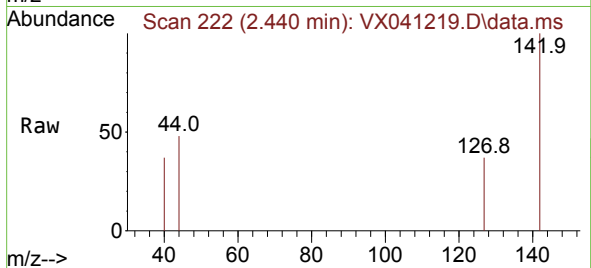
Tgt Ion: 64 Resp: 189
Ion Ratio Lower Upper
64 100
66 2.4 25.1 37.7#



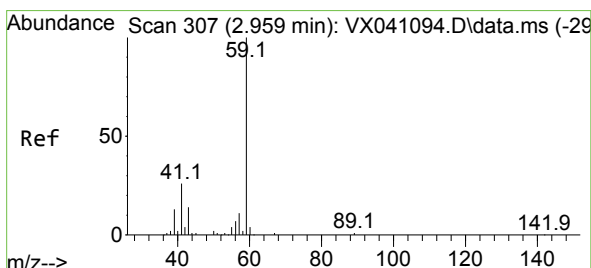
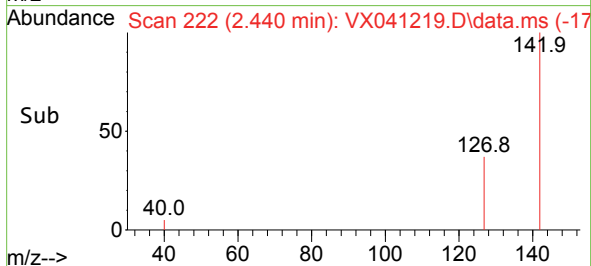
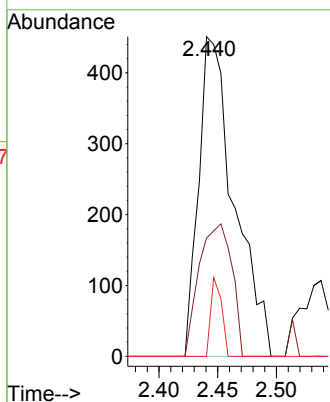


#10
Methyl Iodide
Concen: 0.479 ug/l
RT: 2.440 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

Instrument :
MSVOA_X
ClientSampleId :

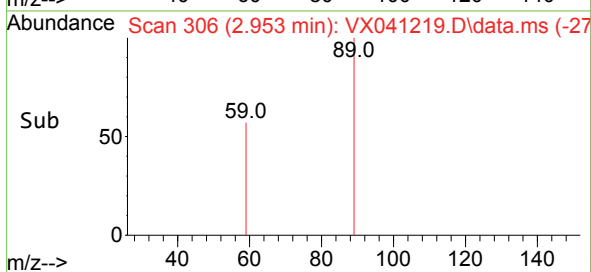
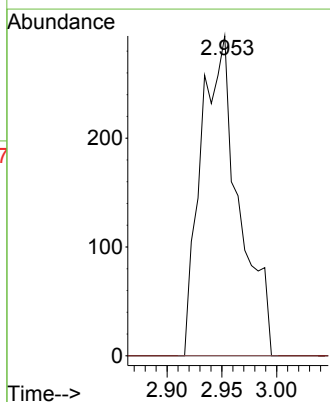
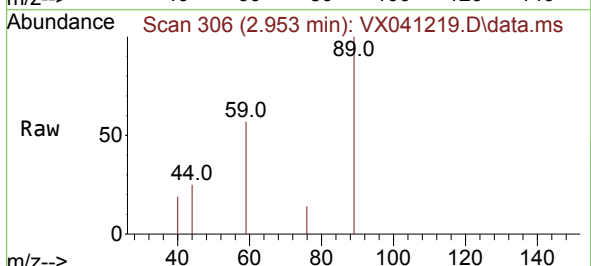


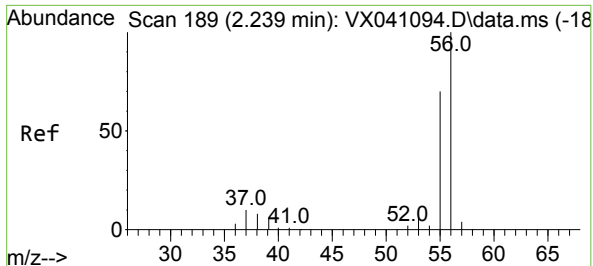
Tgt Ion:142 Resp: 950
Ion Ratio Lower Upper
142 100
127 38.0 41.6 62.4#
141 7.4 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.974 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.110 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

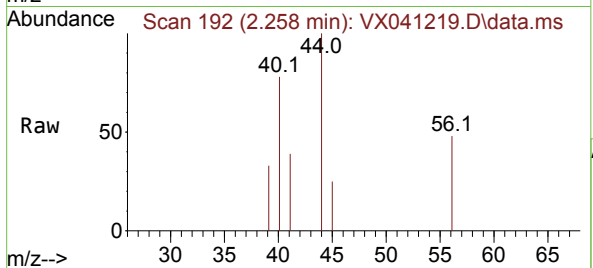
Tgt Ion: 59 Resp: 709
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



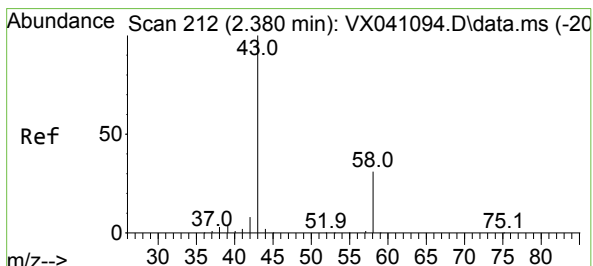
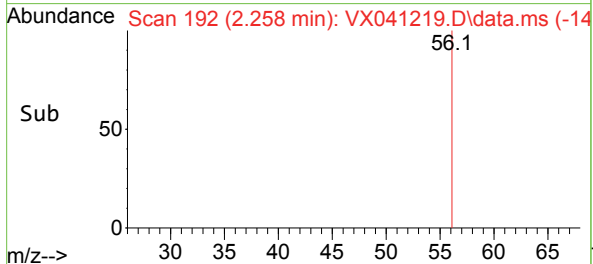
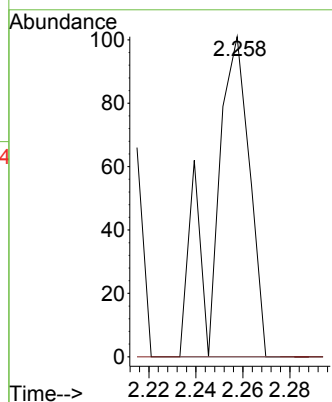


#13
Acrolein
Concen: 0.268 ug/l
RT: 2.258 min Scan# 19
Delta R.T. 0.018 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

Instrument :
MSVOA_X
ClientSampleId :

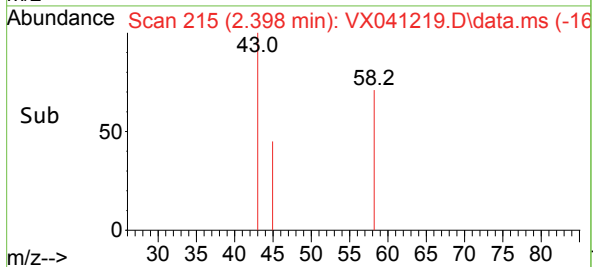
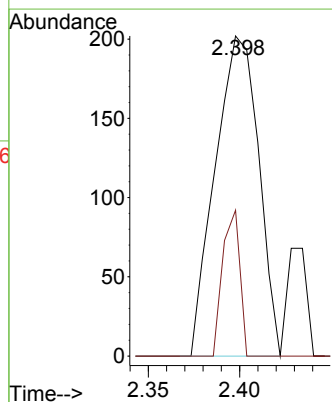
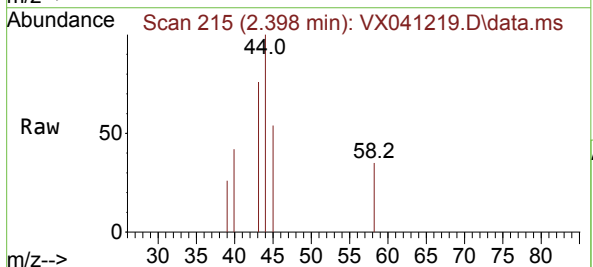


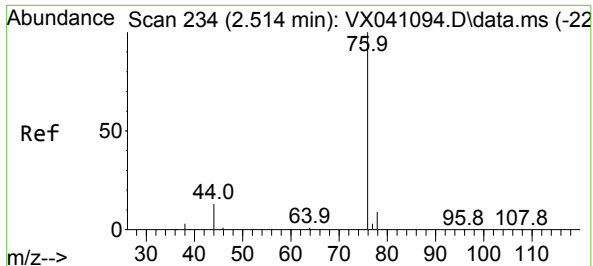
Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 0.459 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
58 45.5 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.324 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

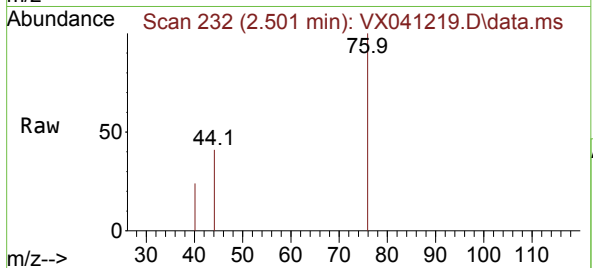
Lab File: VX041219.D

Acq: 23 Apr 2024 16:50

Instrument :

MSVOA_X

ClientSampleId :

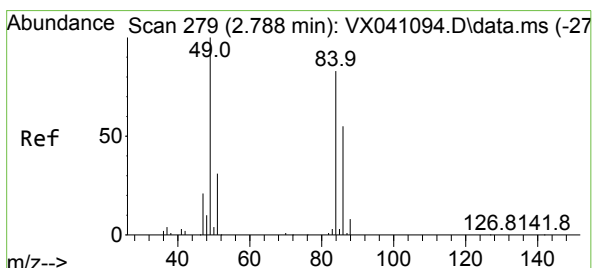
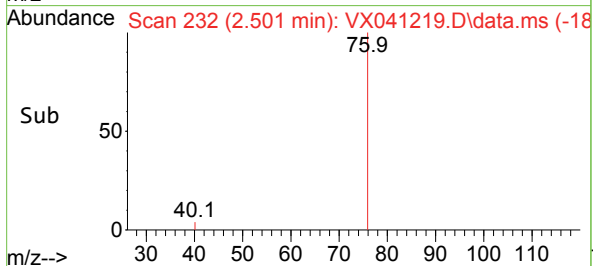
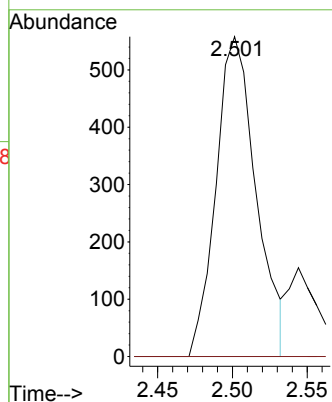


Tgt Ion: 76 Resp: 1040

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.729 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX041219.D

Acq: 23 Apr 2024 16:50

Tgt Ion: 84 Resp: 1299

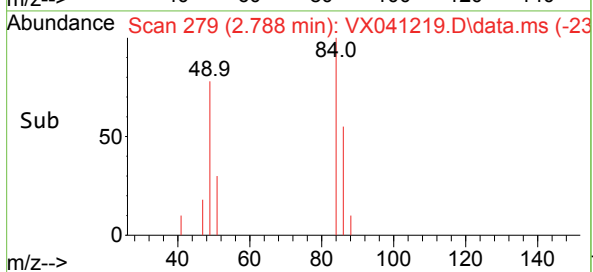
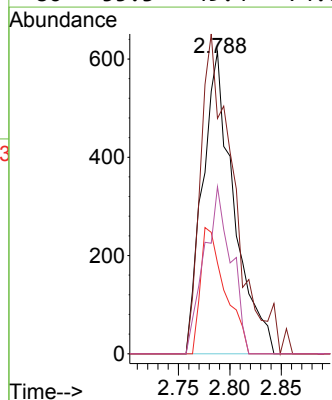
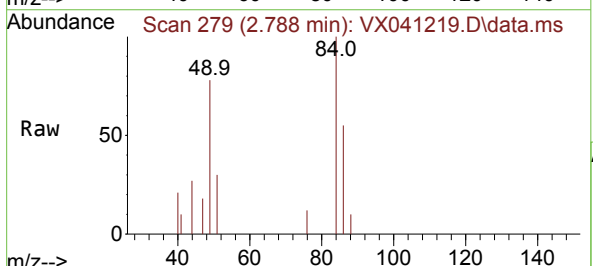
Ion Ratio Lower Upper

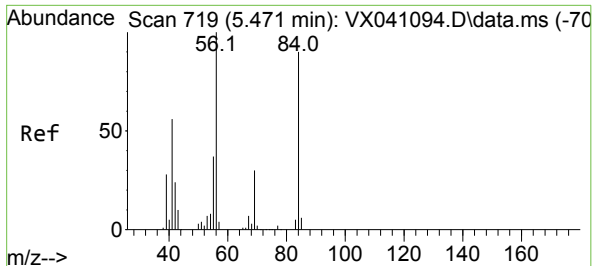
84 100

49 77.9 103.6 155.4#

51 30.1 33.8 50.6#

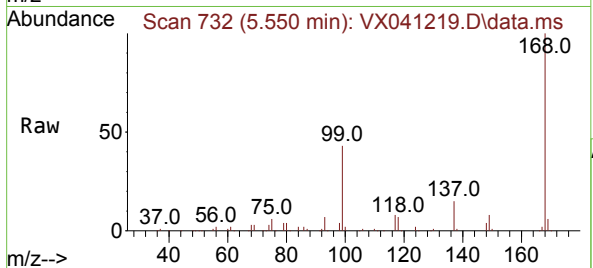
86 55.3 49.4 74.0



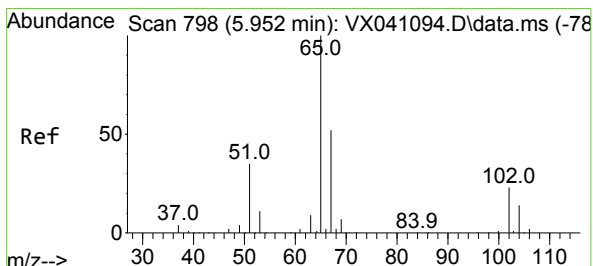
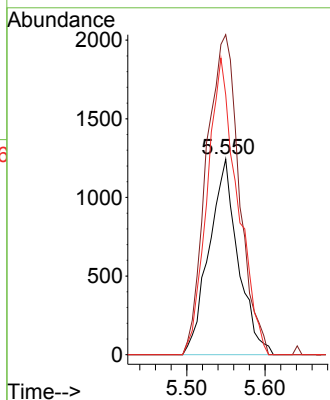
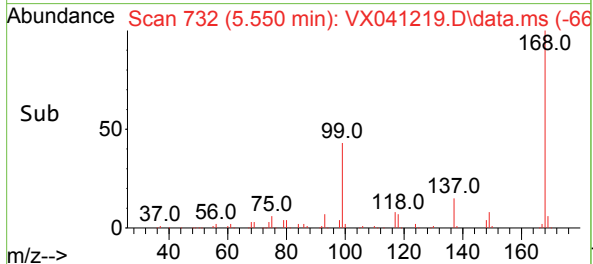


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

Instrument :
MSVOA_X
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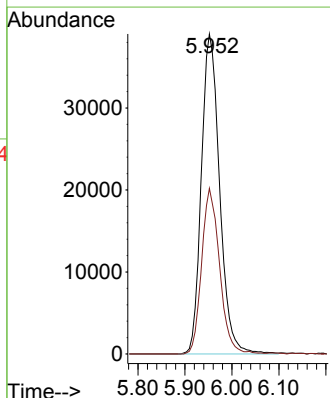
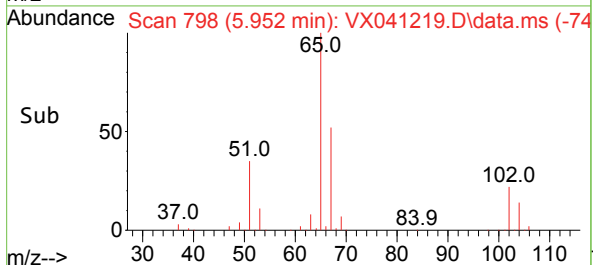
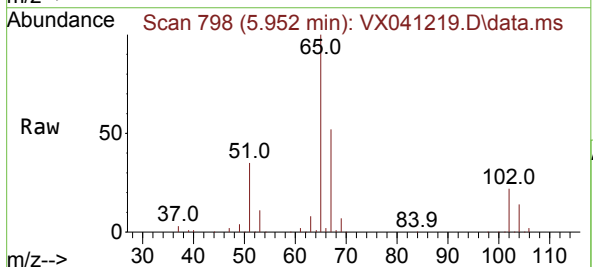


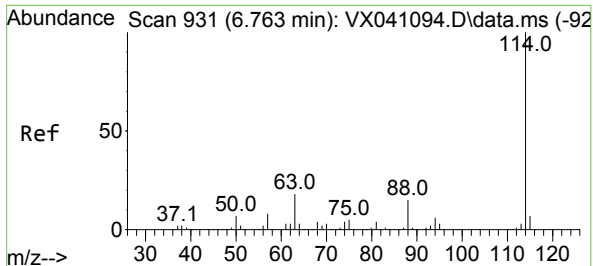
Tgt Ion: 56 Resp: 3216
Ion Ratio Lower Upper
56 100
69 163.7 23.4 35.2#
84 132.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 52.561 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

Tgt Ion: 65 Resp: 105391
Ion Ratio Lower Upper
65 100
67 50.7 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: VX041219.D

Acq: 23 Apr 2024 16:50

Instrument :

MSVOA_X

ClientSampleId :

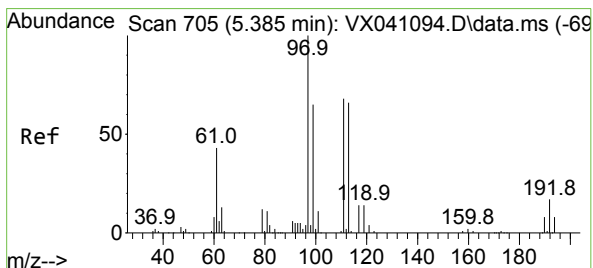
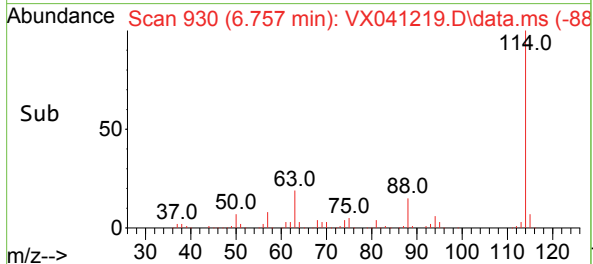
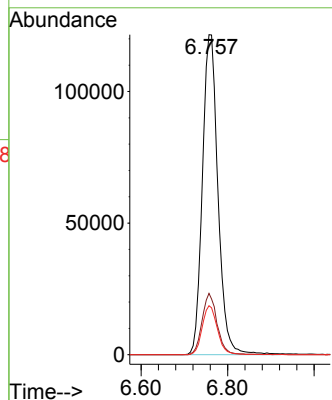
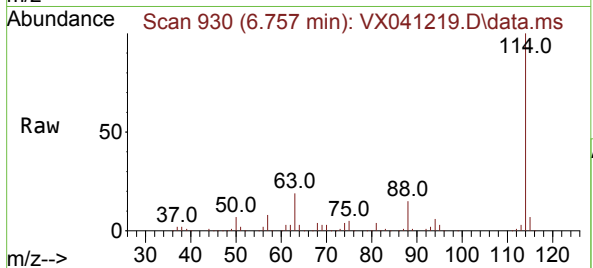
Tgt Ion:114 Resp: 303479

Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 15.3 0.0 36.6



#35

Dibromofluoromethane

Concen: 50.029 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX041219.D

Acq: 23 Apr 2024 16:50

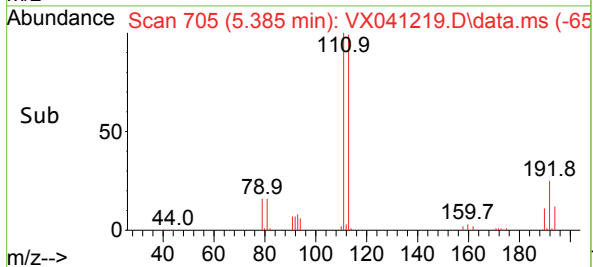
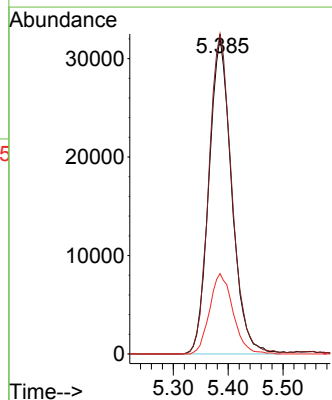
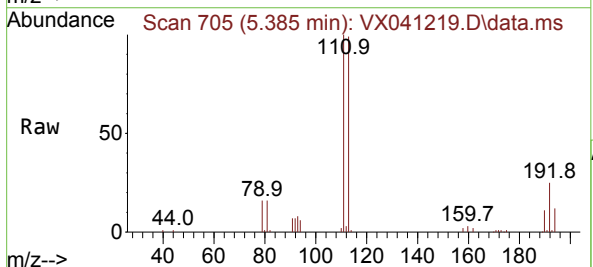
Tgt Ion:113 Resp: 92355

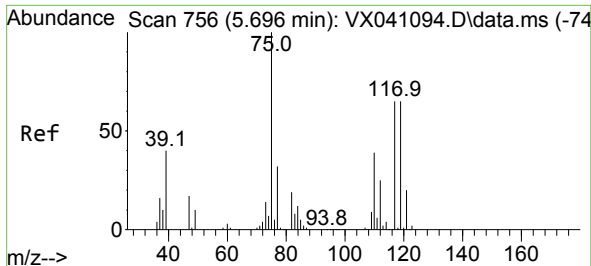
Ion Ratio Lower Upper

113 100

111 102.5 82.9 124.3

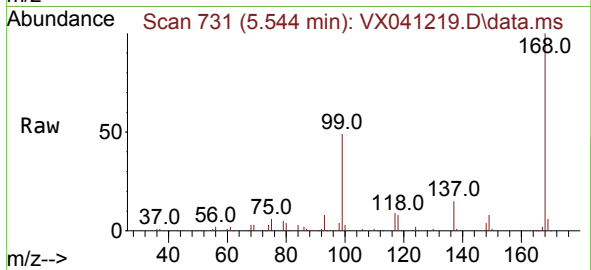
192 26.2 13.3 19.9#



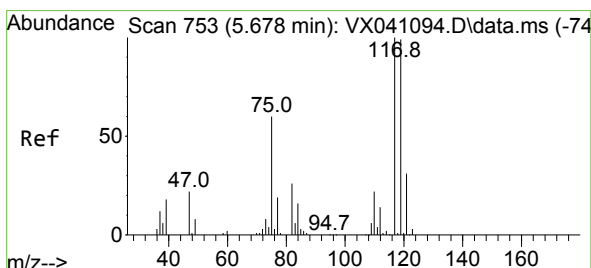
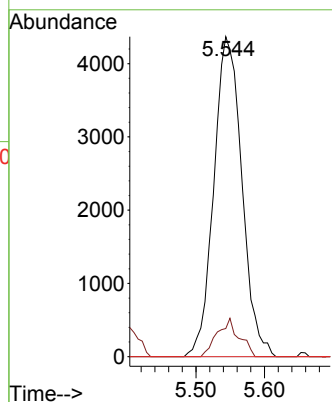
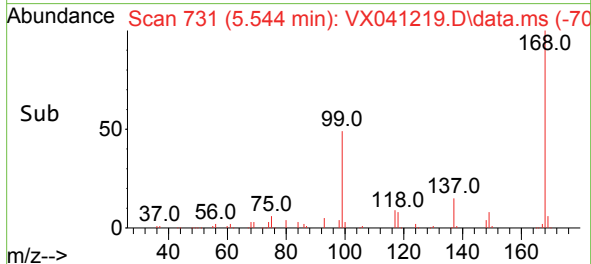


#36
1,1-Dichloropropene
Concen: 5.251 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.147 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

Instrument :
MSVOA_X
ClientSampleId :

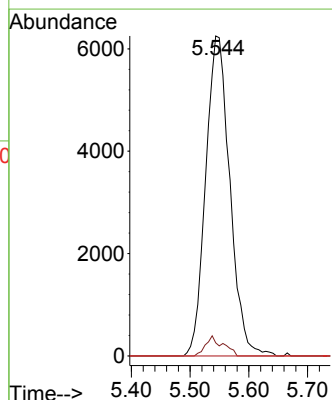
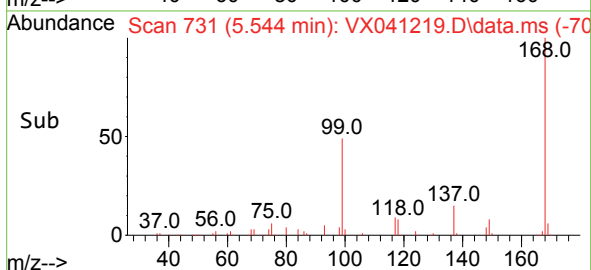
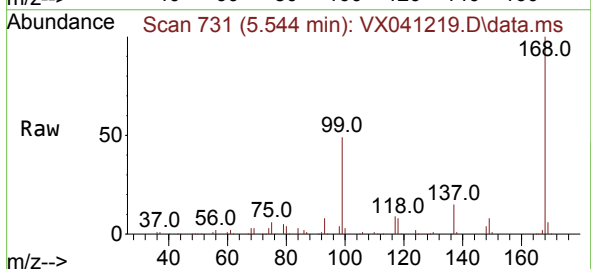


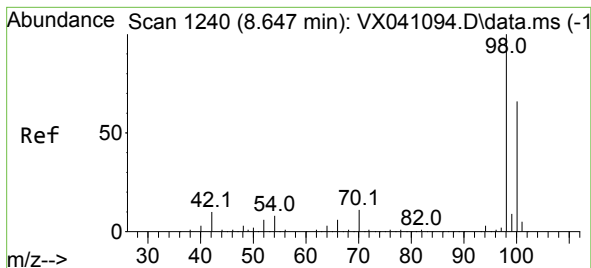
Tgt Ion: 75 Resp: 12404
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.763 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

Tgt Ion: 117 Resp: 17841
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 55.519 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX041219.D

Acq: 23 Apr 2024 16:50

Instrument :

MSVOA_X

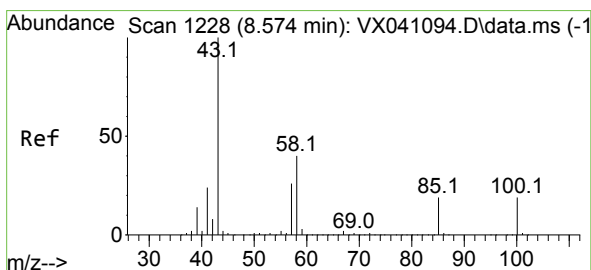
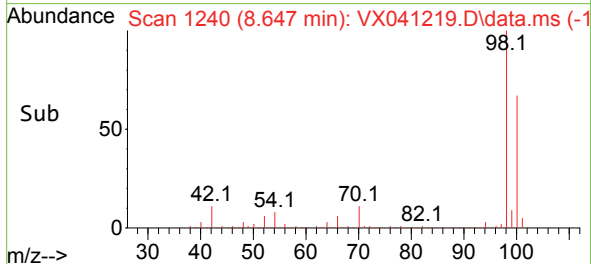
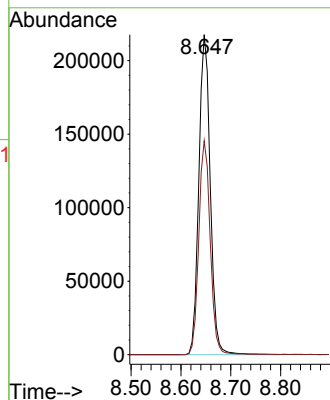
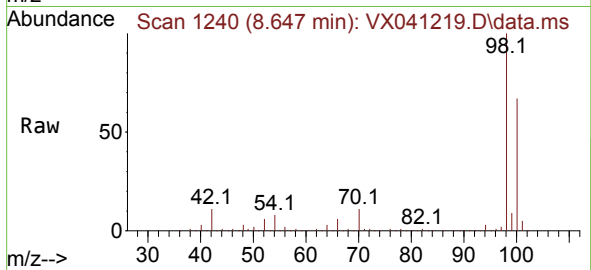
ClientSampleId :

Tgt Ion: 98 Resp: 345790

Ion Ratio Lower Upper

98 100

100 67.1 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.548 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.061 min

Lab File: VX041219.D

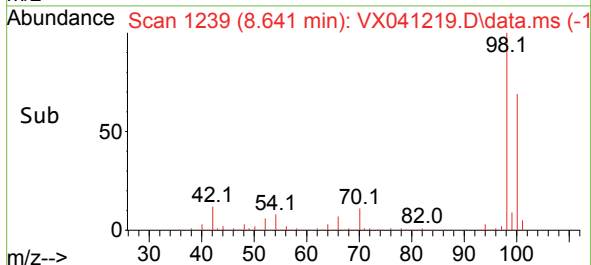
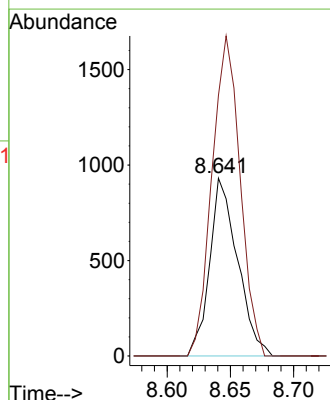
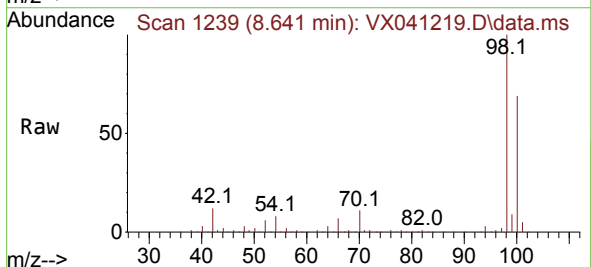
Acq: 23 Apr 2024 16:50

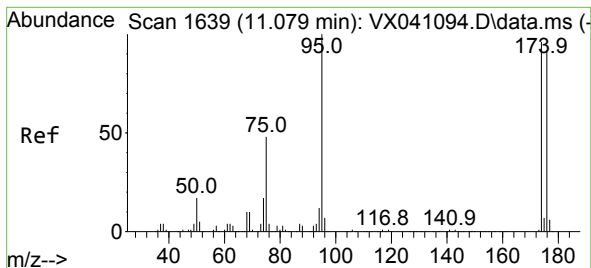
Tgt Ion: 43 Resp: 1431

Ion Ratio Lower Upper

43 100

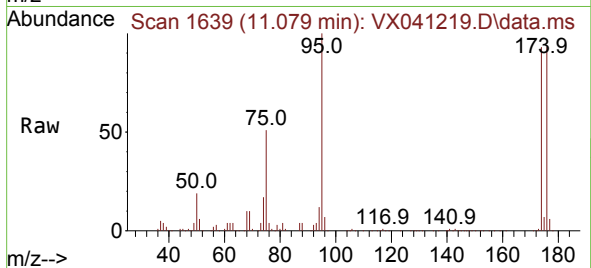
58 181.3 30.4 45.6#



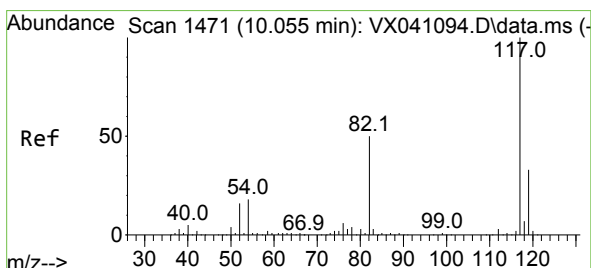
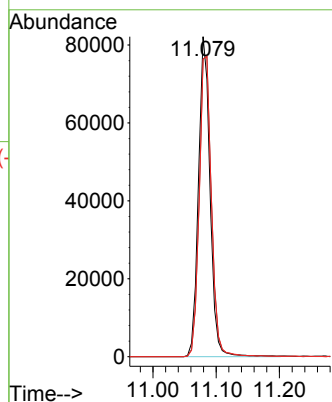
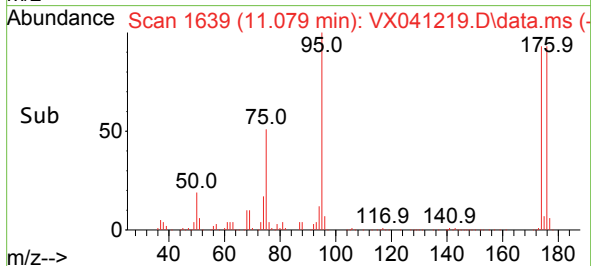


#62
4-Bromofluorobenzene
Concen: 45.572 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

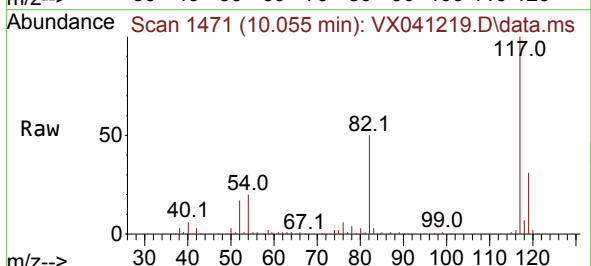
Instrument :
MSVOA_X
ClientSampleId :



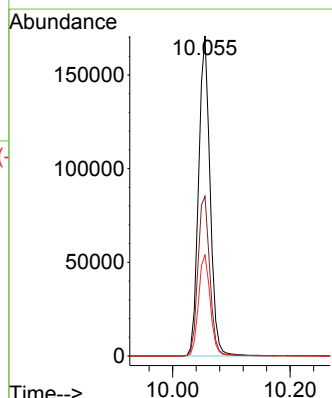
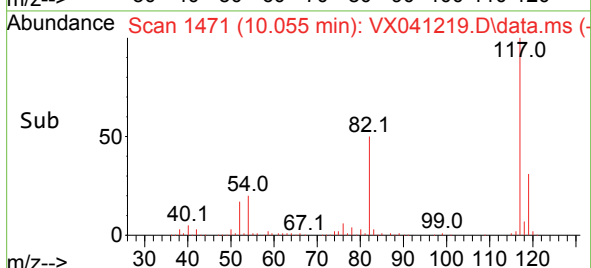
Tgt Ion: 95 Resp: 104763
Ion Ratio Lower Upper
95 100
174 99.1 0.0 135.6
176 98.9 0.0 131.0

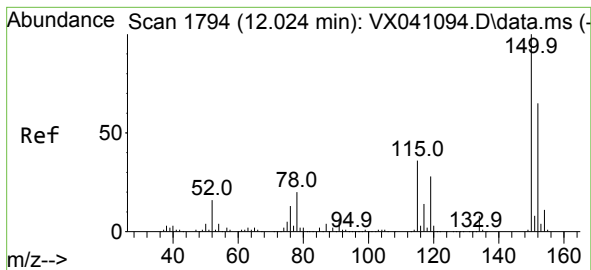


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50



Tgt Ion: 117 Resp: 232684
Ion Ratio Lower Upper
117 100
82 49.9 46.2 69.4
119 31.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041219.D

Acq: 23 Apr 2024 16:50

Instrument :

MSVOA_X

ClientSampleId :

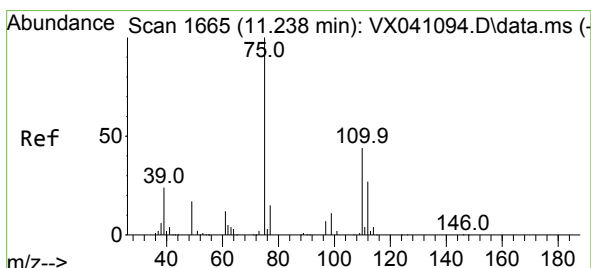
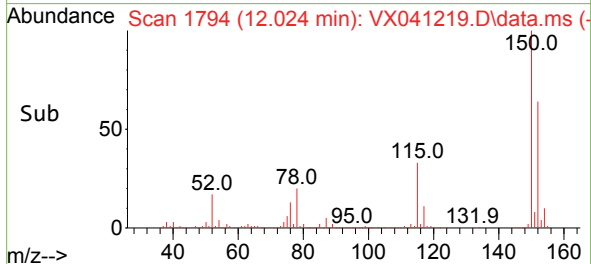
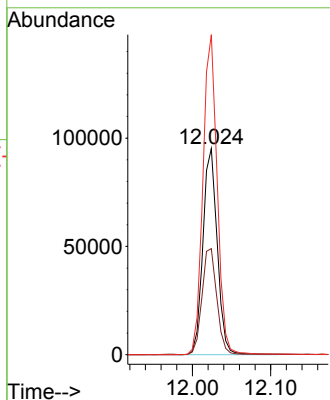
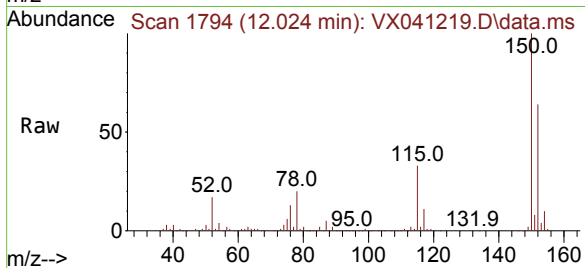
Tgt Ion:152 Resp: 120743

Ion Ratio Lower Upper

152 100

115 53.2 43.3 129.9

150 155.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.333 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041219.D

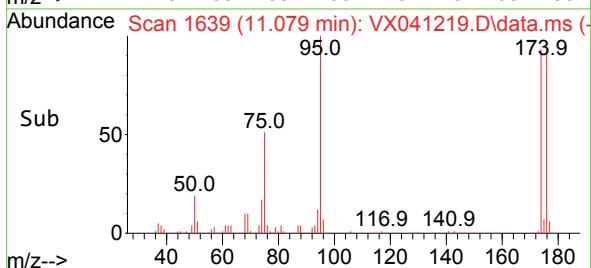
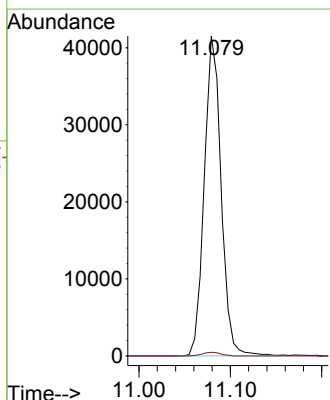
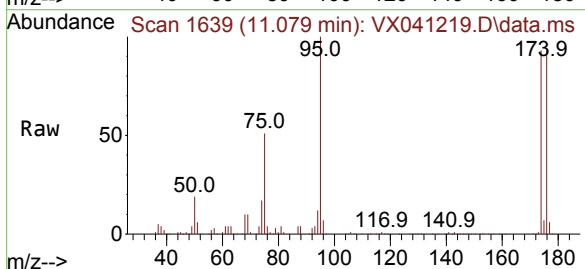
Acq: 23 Apr 2024 16:50

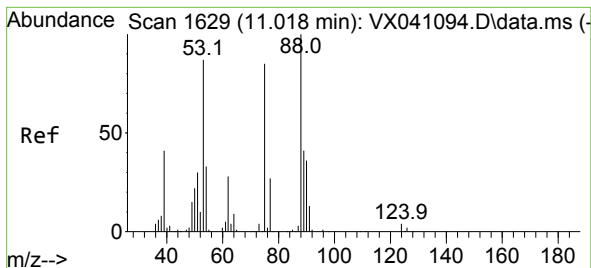
Tgt Ion: 75 Resp: 53173

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

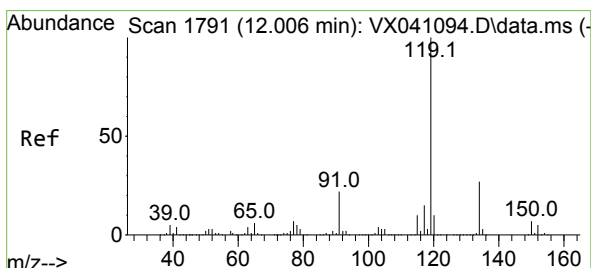
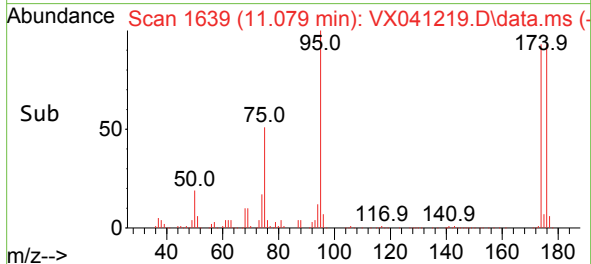
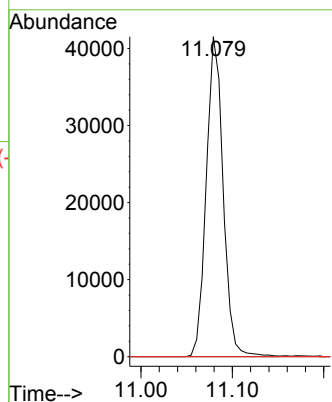
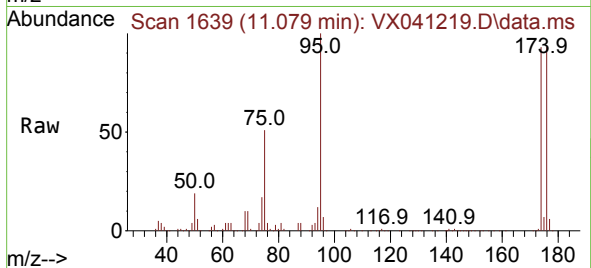




#81
trans-1,4-Dichloro-2-butene
Concen: 77.115 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 53173
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#86
p-Isopropyltoluene
Concen: 0.383 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX041219.D
Acq: 23 Apr 2024 16:50

Tgt Ion: 119 Resp: 2610
Ion Ratio Lower Upper
119 100
134 32.9 12.8 38.3
91 44.4 13.1 39.3#

