

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010824\
 Data File : VX039660.D
 Acq On : 08 Jan 2024 12:49
 Operator : JC/MD
 Sample : 01056-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 04:33:46 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)

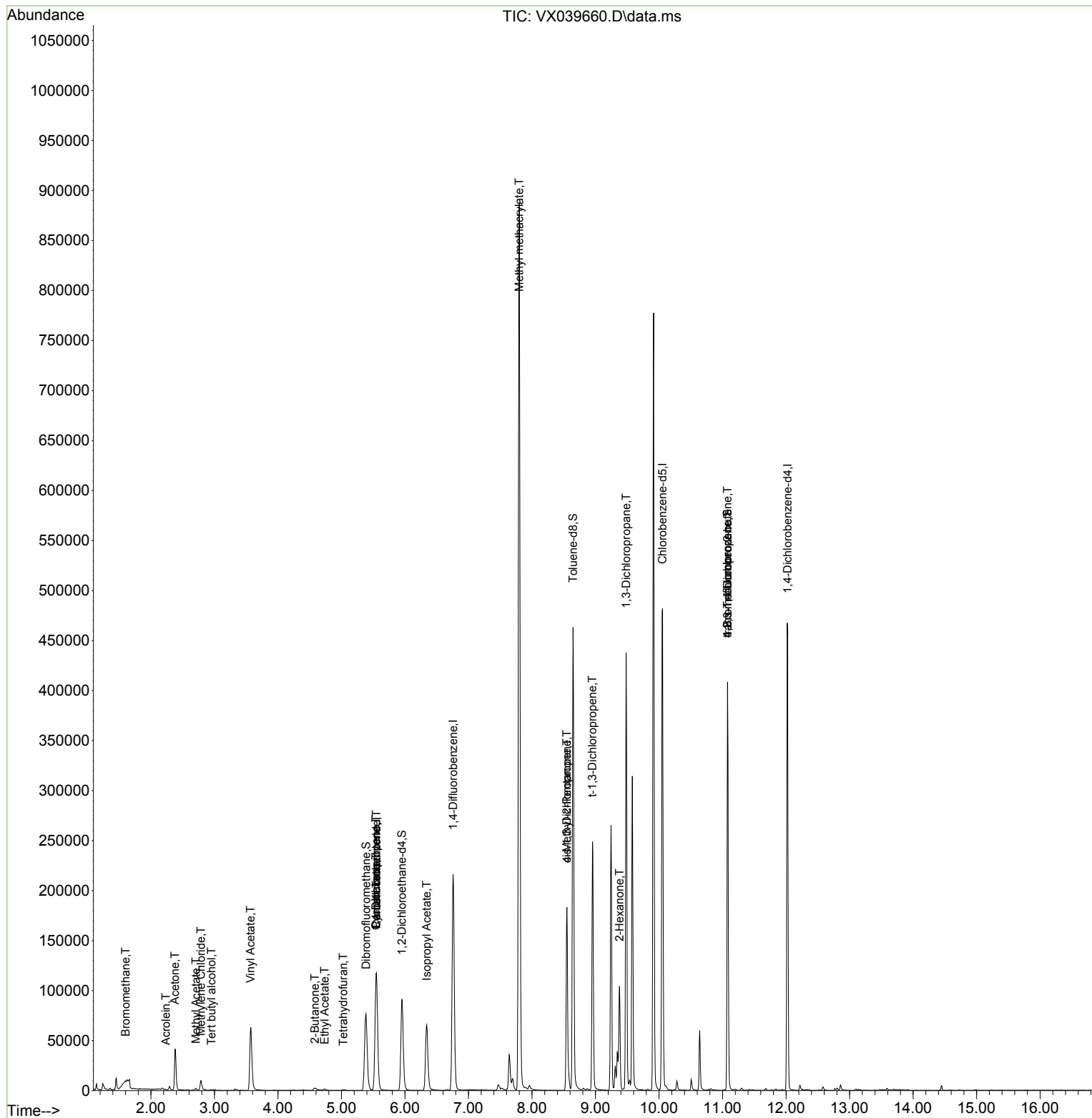
Internal Standards						
1) Pentafluorobenzene	5.550	168	103802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87986	46.270	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.540%
35) Dibromofluoromethane	5.385	113	67601	46.273	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.540%
50) Toluene-d8	8.647	98	262525	48.403	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.800%
62) 4-Bromofluorobenzene	11.079	95	109569	48.963	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.920%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	291	0.336	ug/l	94
11) Tert butyl alcohol	2.953	59	405	0.848	ug/l #	78
13) Acrolein	2.233	56	173	0.454	ug/l #	3
16) Acetone	2.380	43	44258	18.389	ug/l	92
18) Methyl Acetate	2.709	43	2501	0.608	ug/l	96
20) Methylene Chloride	2.788	84	5252	3.313	ug/l	91
23) Vinyl Acetate	3.568	43	1198	0.327	ug/l #	73
25) 2-Butanone	4.580	43	5338	3.253	ug/l	94
29) Tetrahydrofuran	5.025	42	385	0.425	ug/l #	34
31) Cyclohexane	5.544	56	2920	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9822	4.260	ug/l #	50
37) Ethyl Acetate	4.733	43	2358	0.828	ug/l #	85
38) Carbon Tetrachloride	5.550	117	11636	5.289	ug/l #	14
43) Isopropyl Acetate	6.342	43	95229	20.561	ug/l	99
48) Methyl methacrylate	7.799	41	82602	30.506	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	70444	23.871	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	553	0.214	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28060	10.069	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	3589	1.263	ug/l #	42
59) 2-Hexanone	9.378	43	82248	32.294	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	60178	25.682	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	60178	72.449	ug/l #	5

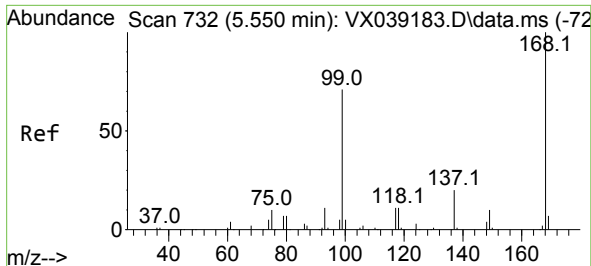
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
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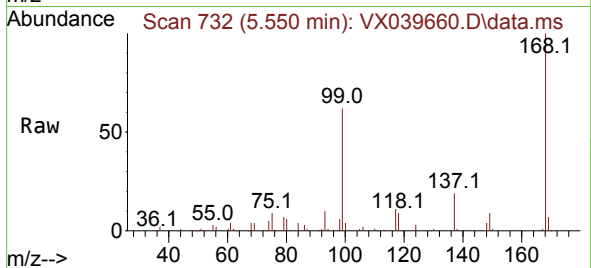


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

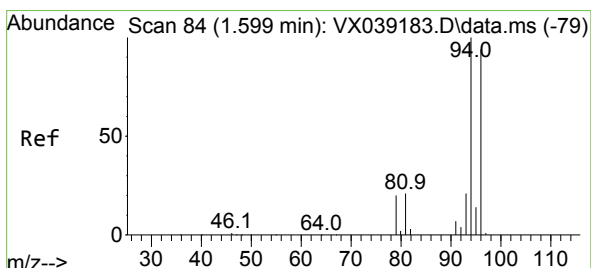
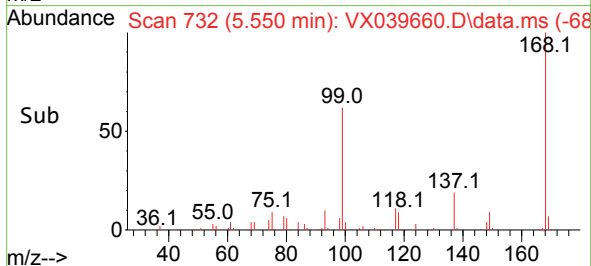
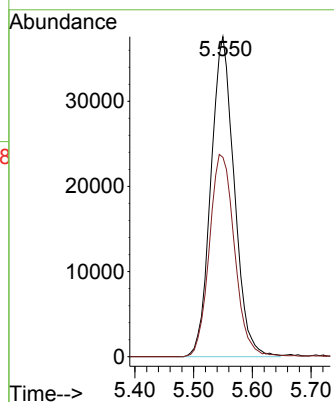
Instrument :

MSVOA_X

ClientSampleId :

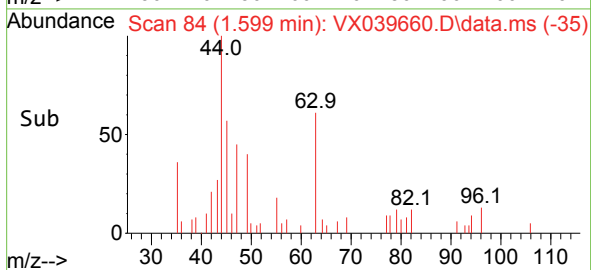
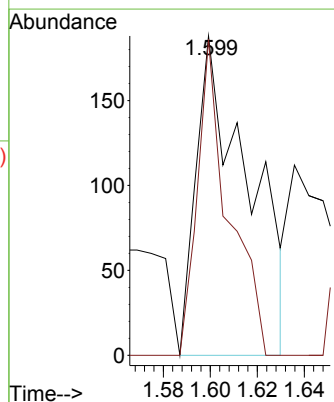
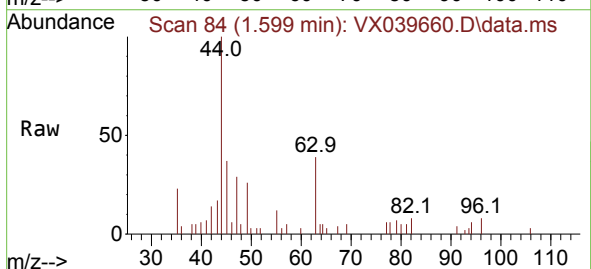


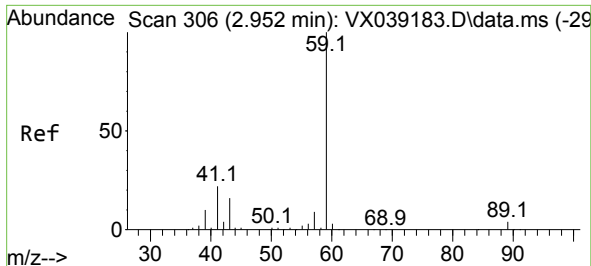
Tgt Ion:168 Resp: 103802
Ion Ratio Lower Upper
168 100
99 62.3 56.6 85.0



#5
Bromomethane
Concen: 0.336 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

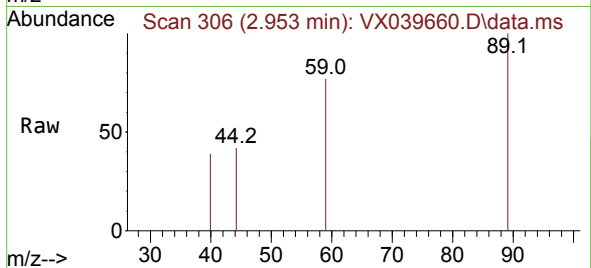
Tgt Ion: 94 Resp: 291
Ion Ratio Lower Upper
94 100
96 98.9 74.6 111.8



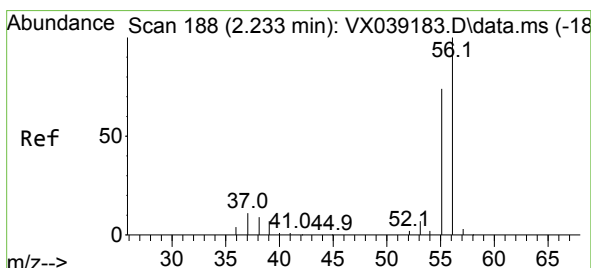
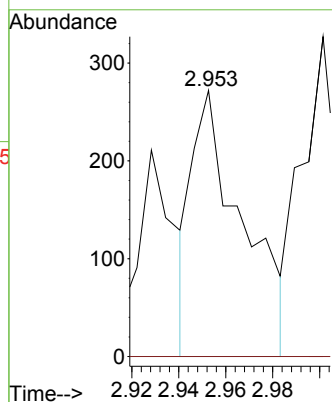
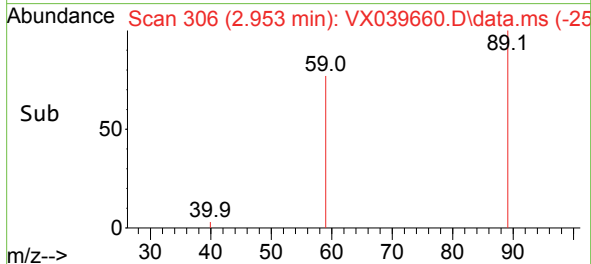


#11
Tert butyl alcohol
Concen: 0.848 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

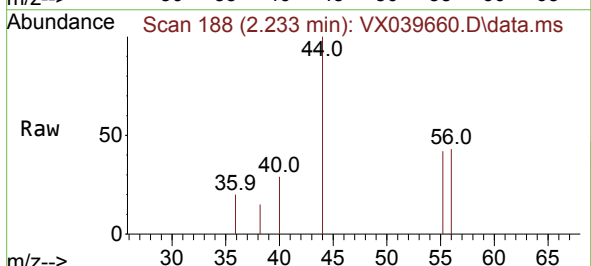
Instrument :
MSVOA_X
ClientSampleId :



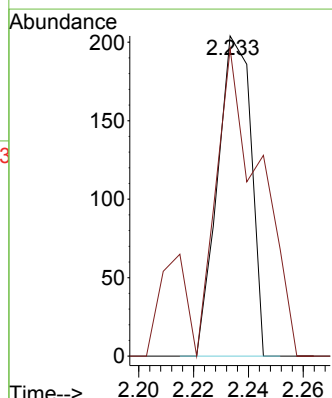
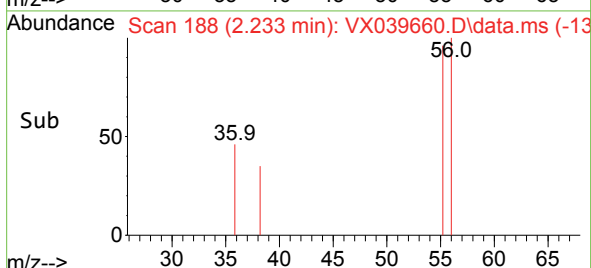
Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

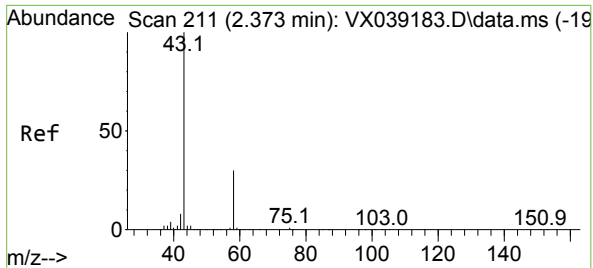


#13
Acrolein
Concen: 0.454 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49



Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 151.4 57.1 85.7#

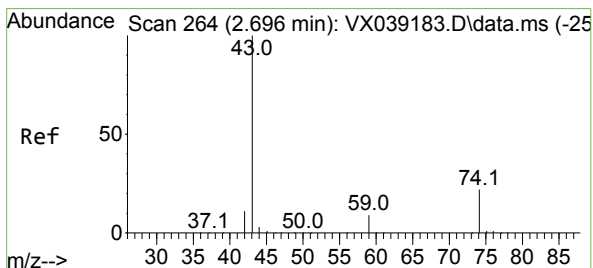
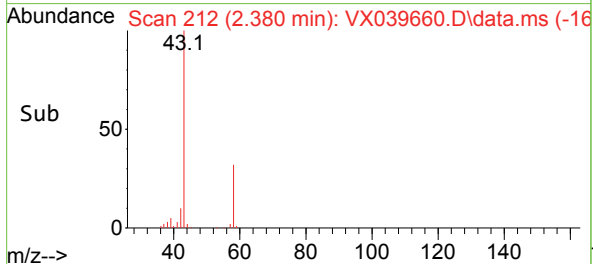
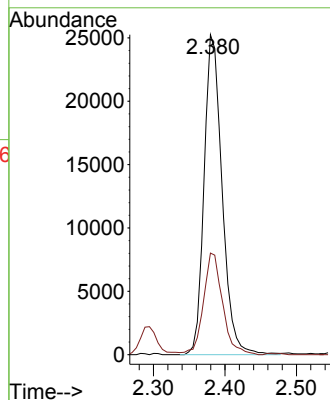
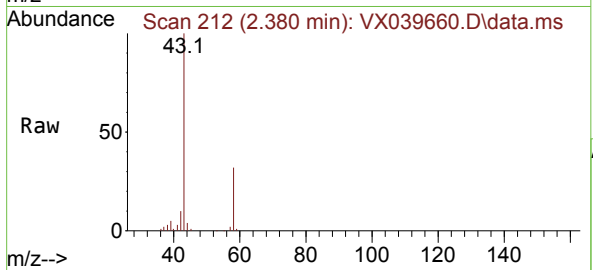




#16
Acetone
Concen: 18.389 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

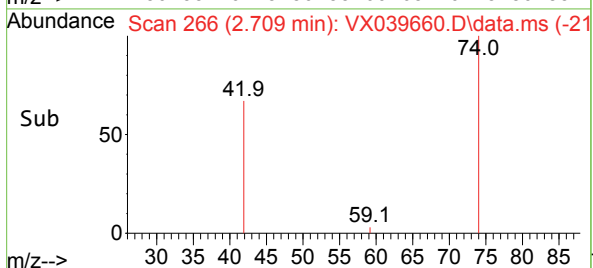
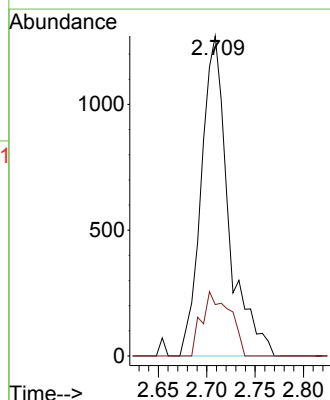
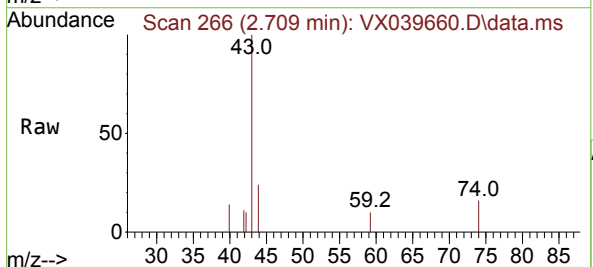
Instrument :
MSVOA_X
ClientSampleId :

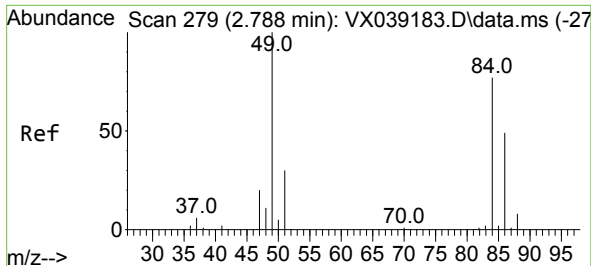
Tgt Ion: 43 Resp: 44258
Ion Ratio Lower Upper
43 100
58 31.4 21.9 32.9



#18
Methyl Acetate
Concen: 0.608 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

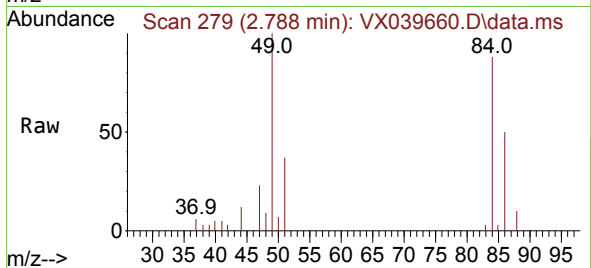
Tgt Ion: 43 Resp: 2501
Ion Ratio Lower Upper
43 100
74 20.6 17.8 26.8



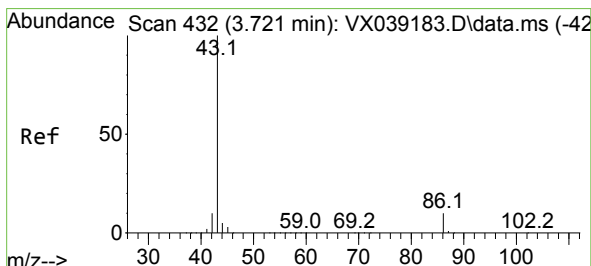
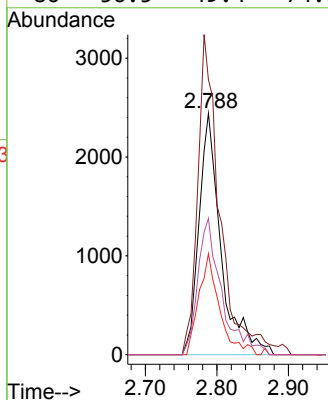
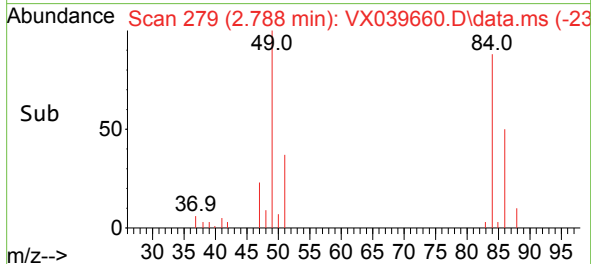


#20
Methylene Chloride
Concen: 3.313 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Instrument :
MSVOA_X
ClientSampleId :

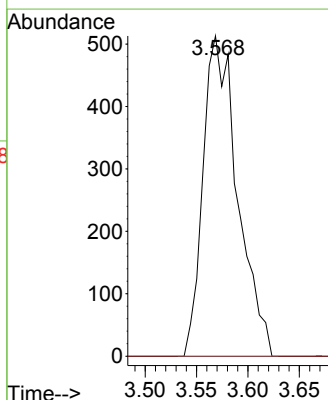
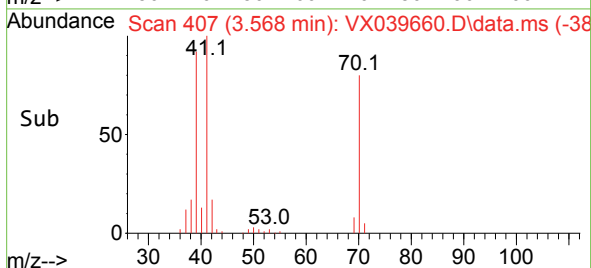
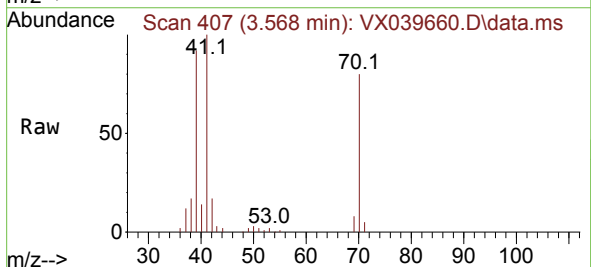


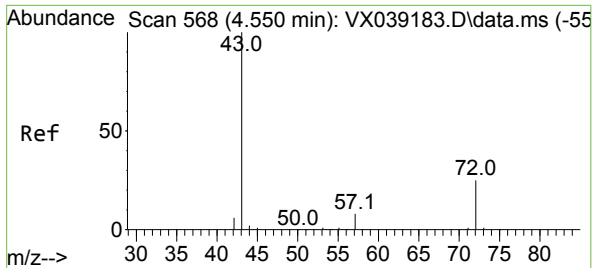
Tgt Ion:	84	Resp:	5252
Ion	Ratio	Lower	Upper
84	100		
49	113.9	103.6	155.4
51	41.9	33.8	50.6
86	56.5	49.4	74.0



#23
Vinyl Acetate
Concen: 0.327 ug/l
RT: 3.568 min Scan# 407
Delta R.T. -0.152 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Tgt Ion:	43	Resp:	1198
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8#

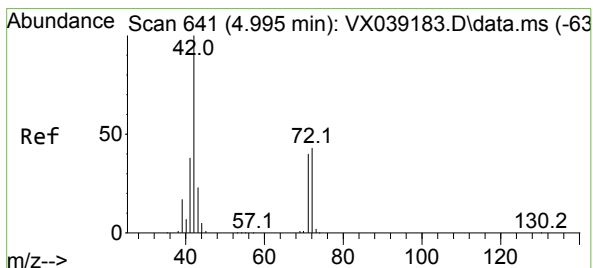
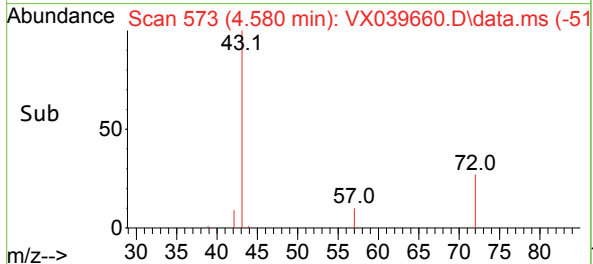
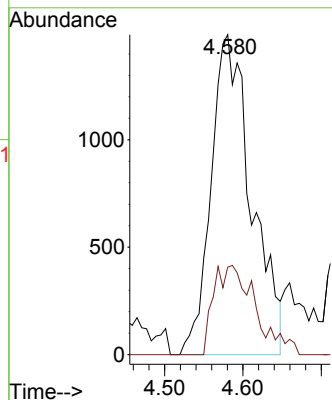
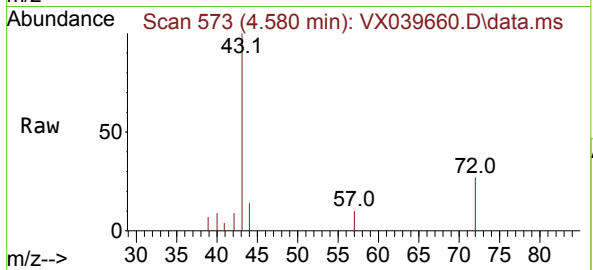




#25
2-Butanone
Concen: 3.253 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

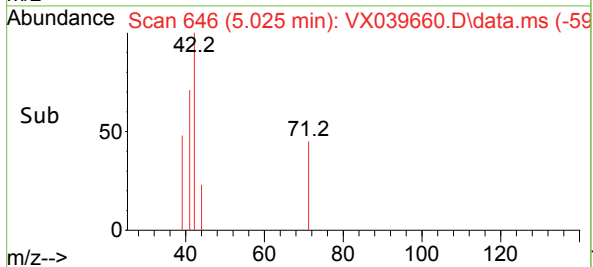
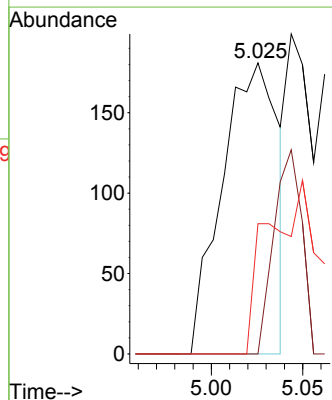
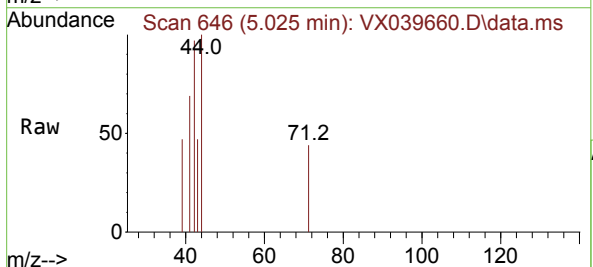
Instrument :
MSVOA_X
ClientSampleId :

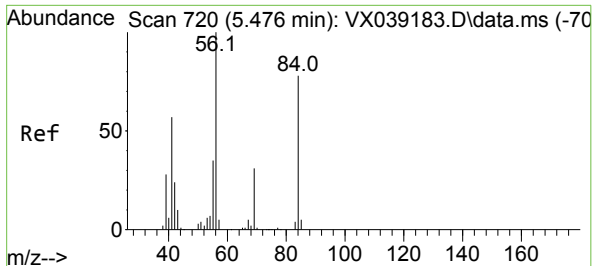
Tgt Ion: 43 Resp: 5338
Ion Ratio Lower Upper
43 100
72 27.3 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.425 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.031 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

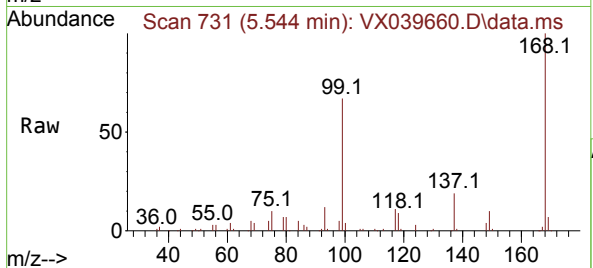
Tgt Ion: 42 Resp: 385
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



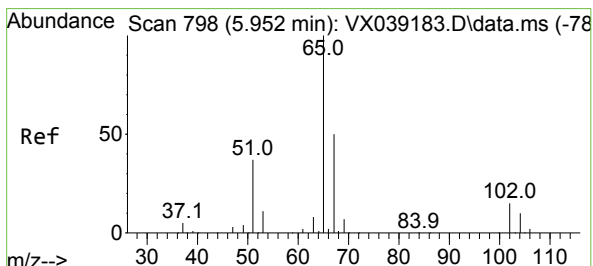
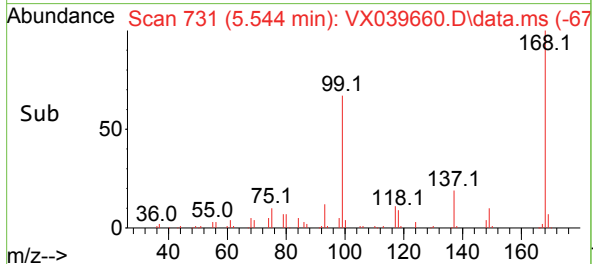
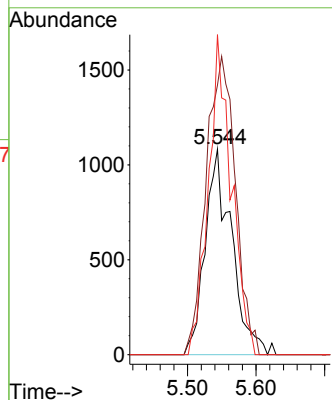


#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Instrument :
MSVOA_X
ClientSampleId :

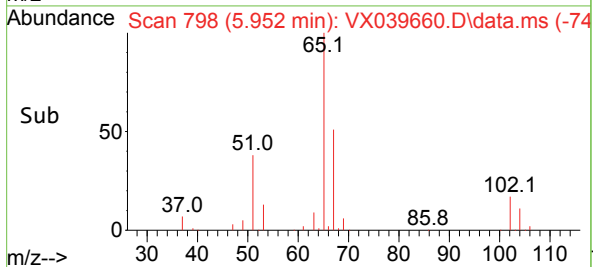
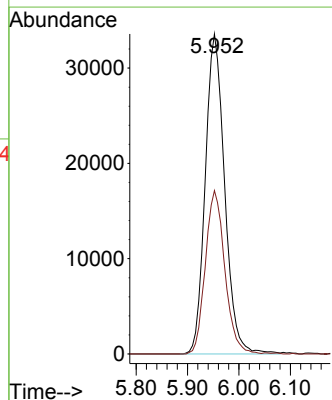
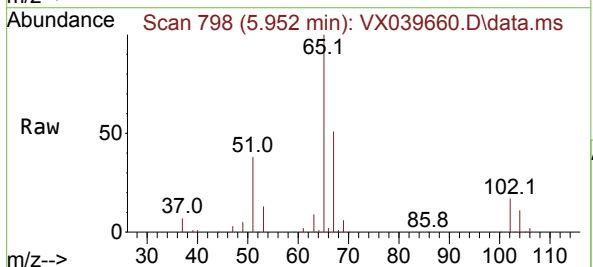


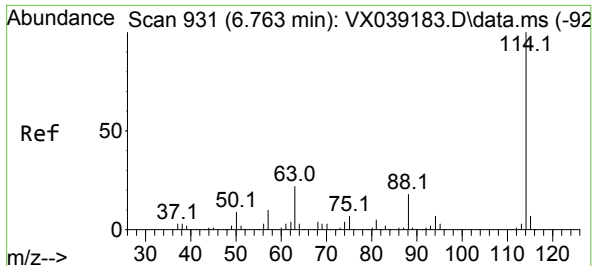
Tgt Ion: 56 Resp: 2920
Ion Ratio Lower Upper
56 100
69 131.1 23.4 35.2#
84 155.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.270 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Tgt Ion: 65 Resp: 87986
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX039660.D

Acq: 08 Jan 2024 12:49

Instrument :

MSVOA_X

ClientSampleId :

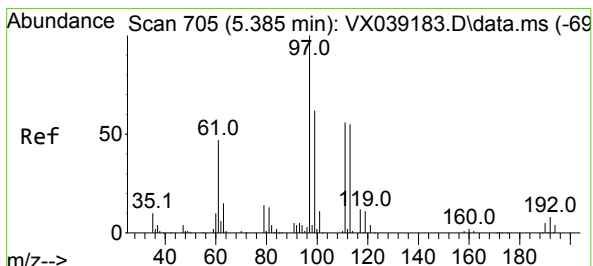
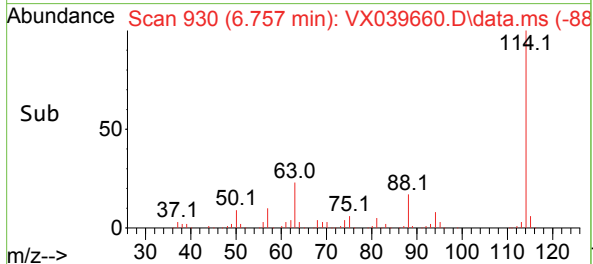
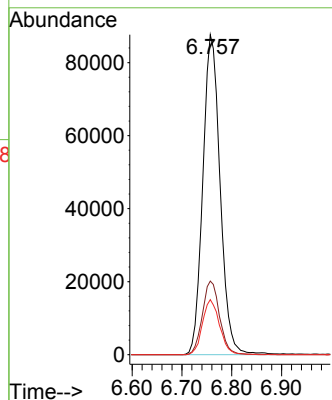
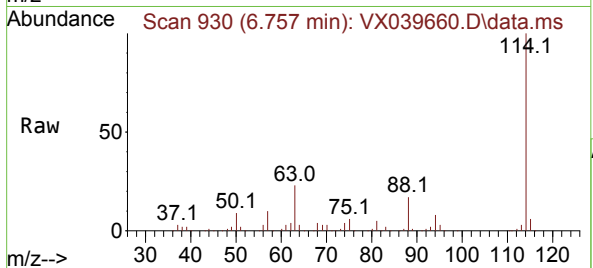
Tgt Ion:114 Resp: 211468

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

88 17.2 0.0 36.6



#35

Dibromofluoromethane

Concen: 46.273 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX039660.D

Acq: 08 Jan 2024 12:49

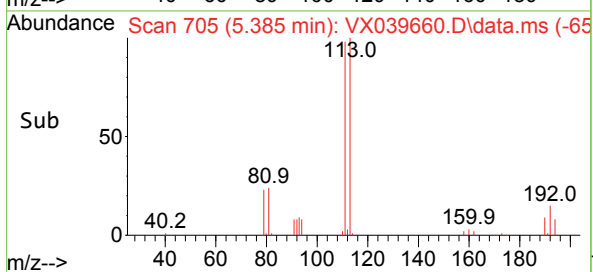
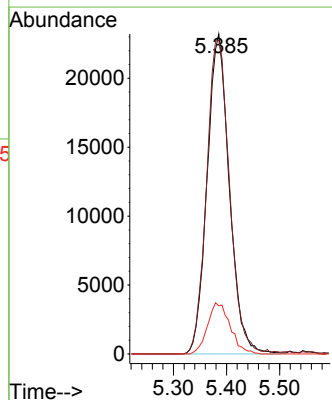
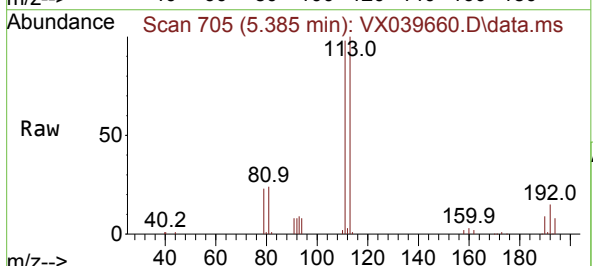
Tgt Ion:113 Resp: 67601

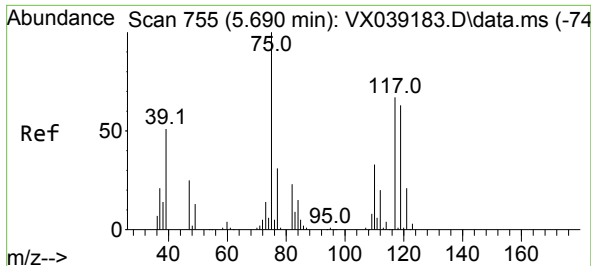
Ion Ratio Lower Upper

113 100

111 101.4 82.9 124.3

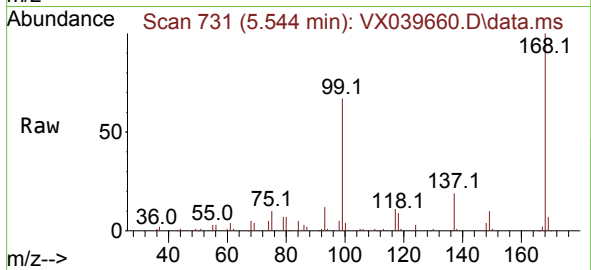
192 16.4 13.3 19.9



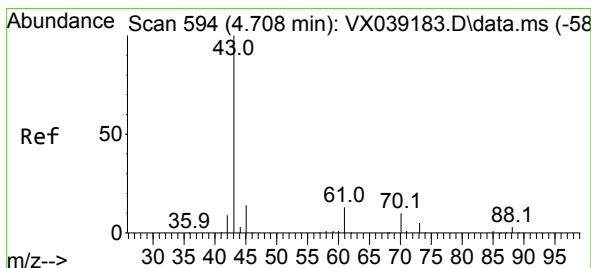
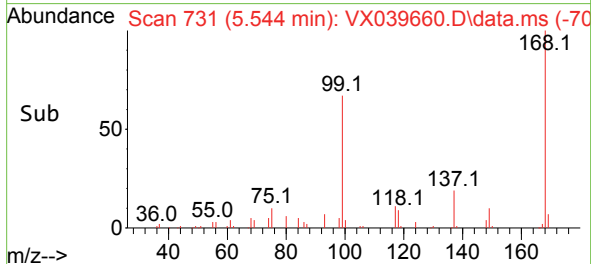
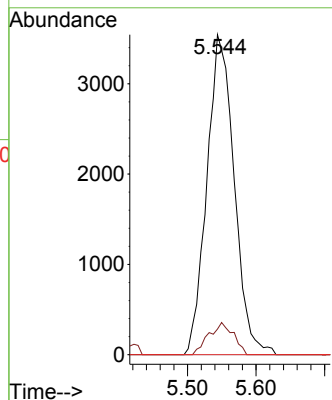


#36
1,1-Dichloropropene
Concen: 4.260 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Instrument :
MSVOA_X
ClientSampleId :

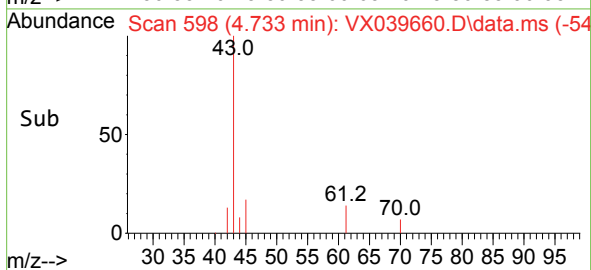
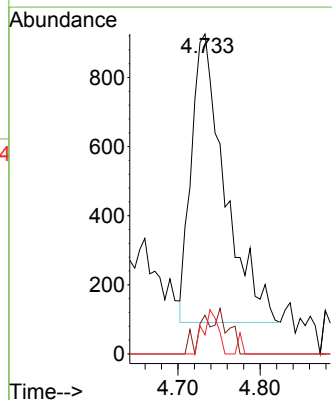
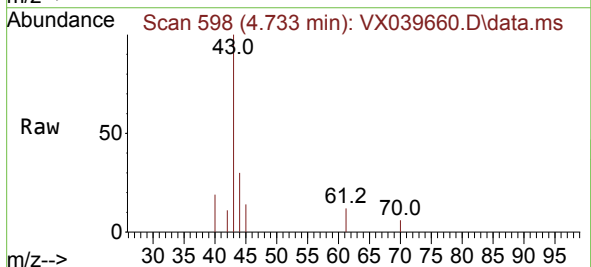


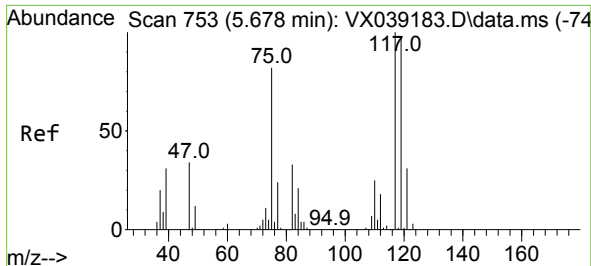
Tgt Ion: 75 Resp: 9822
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.828 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.025 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

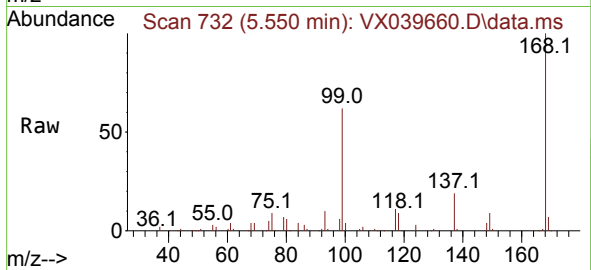
Tgt Ion: 43 Resp: 2358
Ion Ratio Lower Upper
43 100
61 5.4 10.6 16.0#
70 6.7 8.3 12.5#



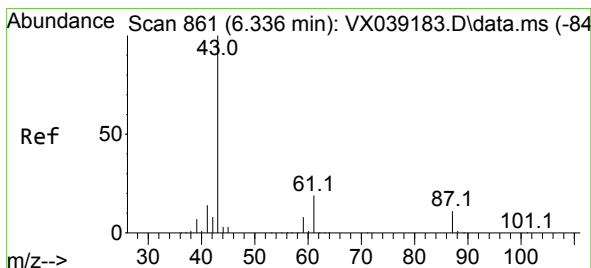
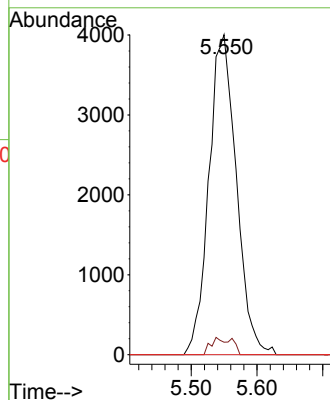
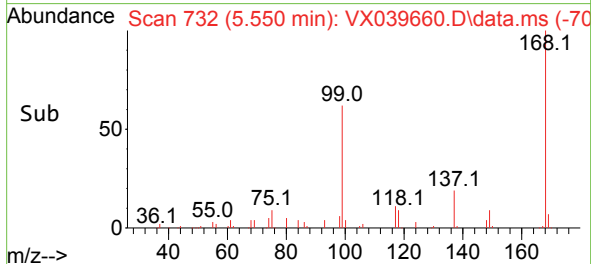


#38
Carbon Tetrachloride
Concen: 5.289 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Instrument :
MSVOA_X
ClientSampleId :

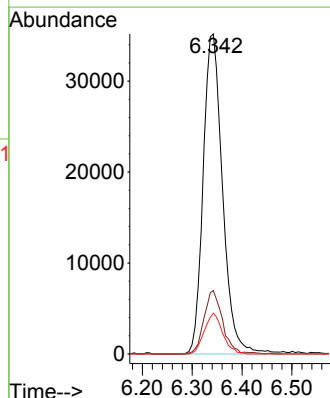
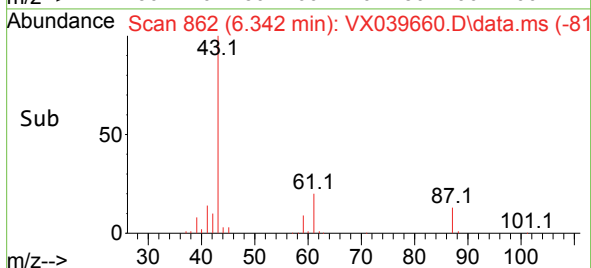
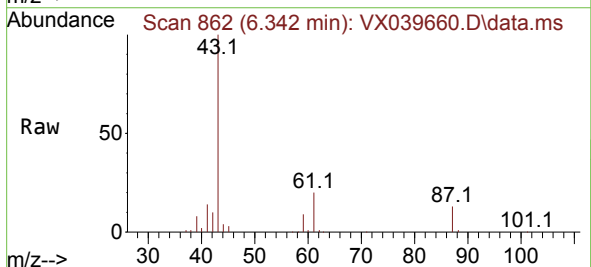


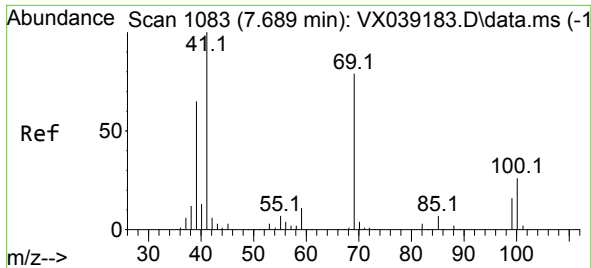
Tgt Ion:117 Resp: 11636
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 20.561 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Tgt Ion: 43 Resp: 95229
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 12.0 9.8 14.6

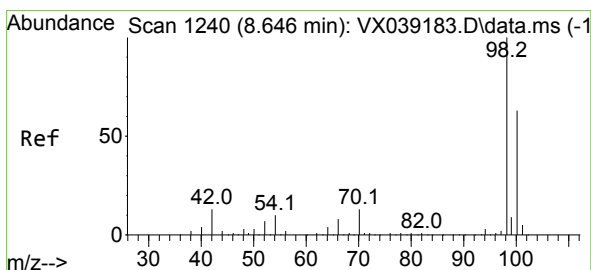
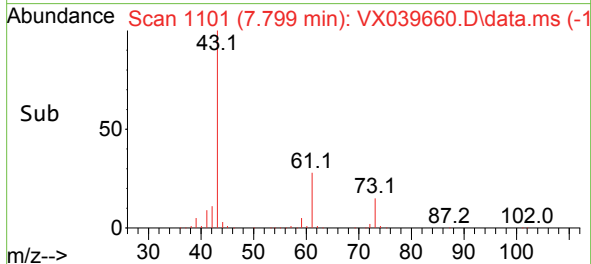
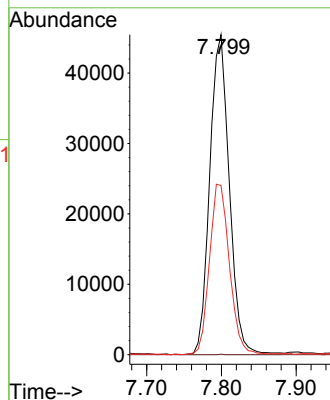
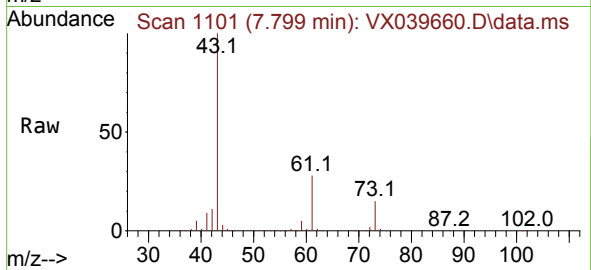




#48
Methyl methacrylate
Concen: 30.506 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

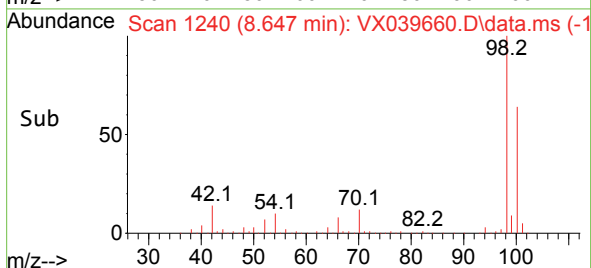
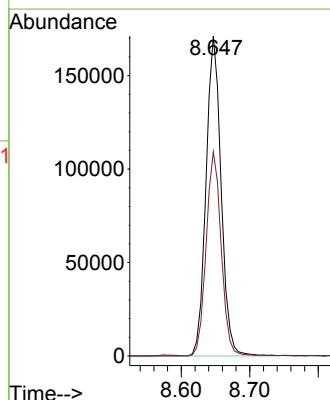
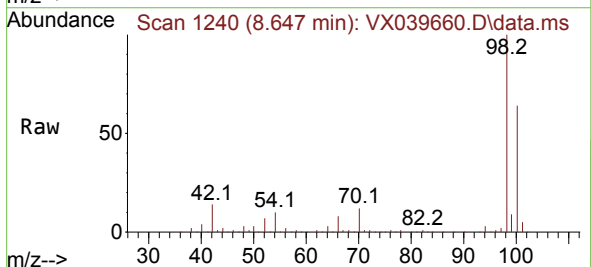
Instrument :
MSVOA_X
ClientSampleId :

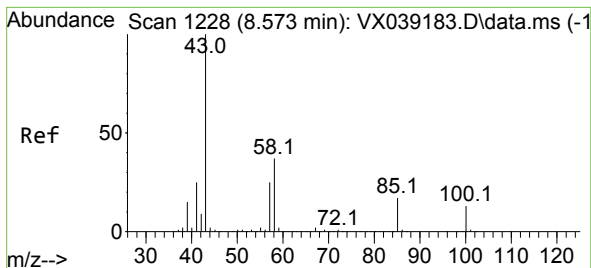
Tgt Ion: 41 Resp: 82602
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 54.6 47.7 71.5



#50
Toluene-d8
Concen: 48.403 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Tgt Ion: 98 Resp: 262525
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7

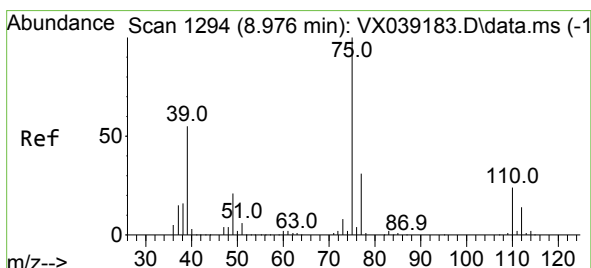
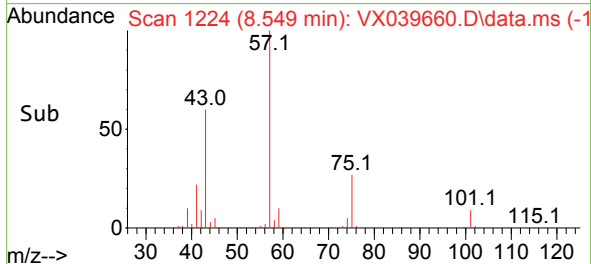
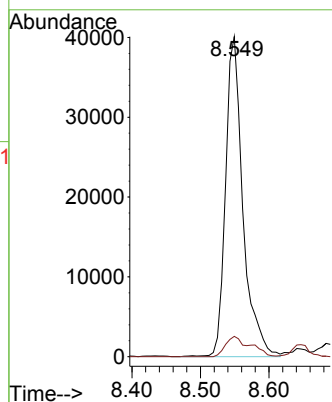
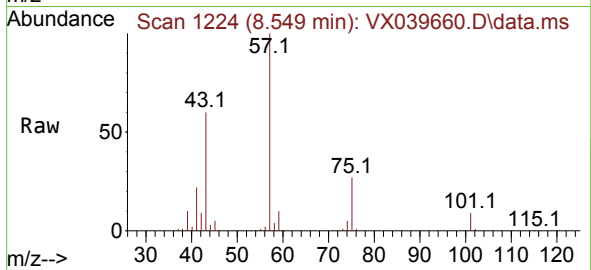




#51
4-Methyl-2-Pentanone
Concen: 23.871 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

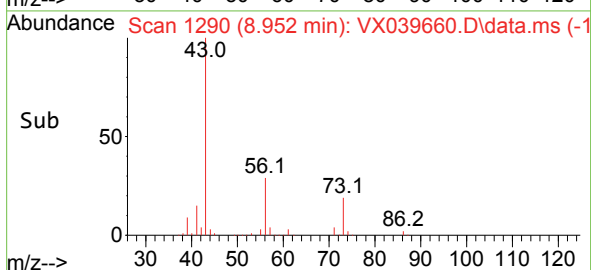
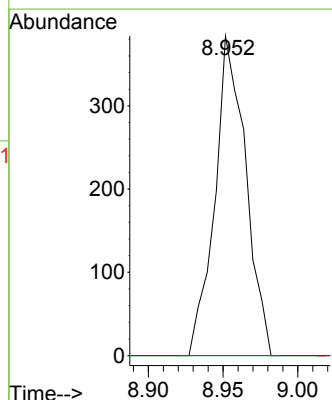
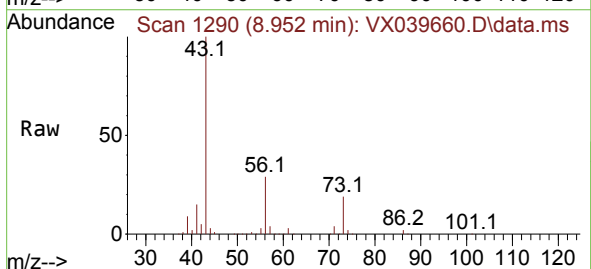
Instrument :
MSVOA_X
ClientSampleId :

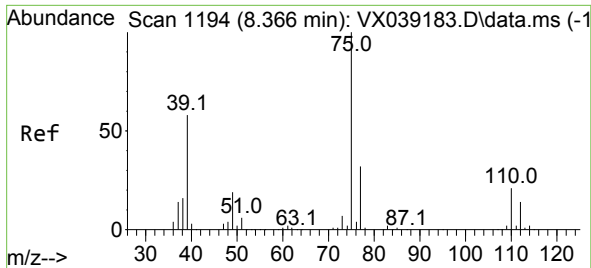
Tgt Ion: 43 Resp: 70444
Ion Ratio Lower Upper
43 100
58 9.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.214 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Tgt Ion: 75 Resp: 553
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

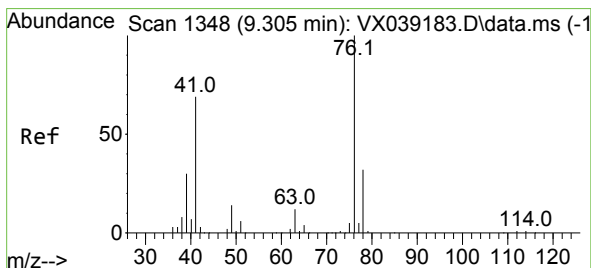
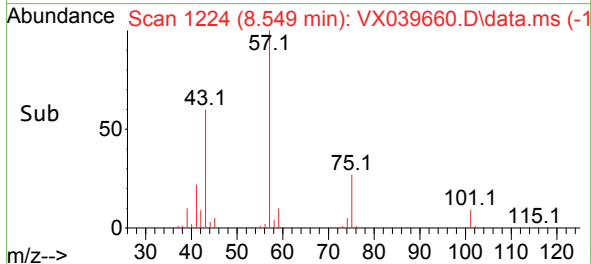
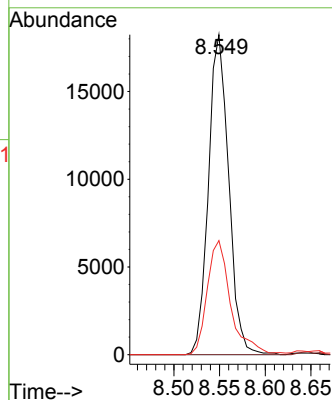
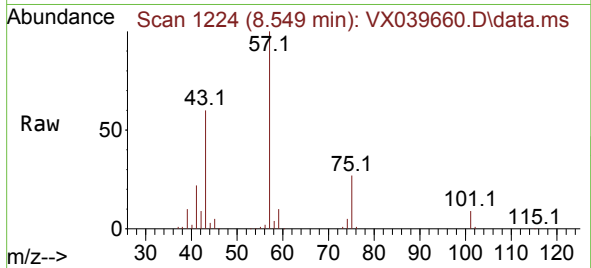




#54
cis-1,3-Dichloropropene
Concen: 10.069 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

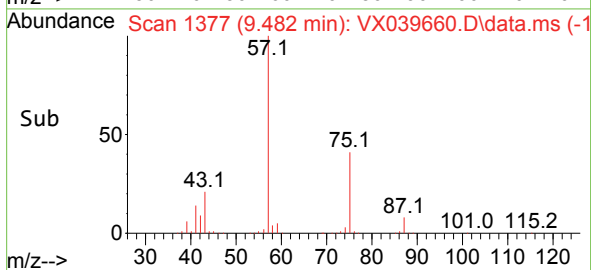
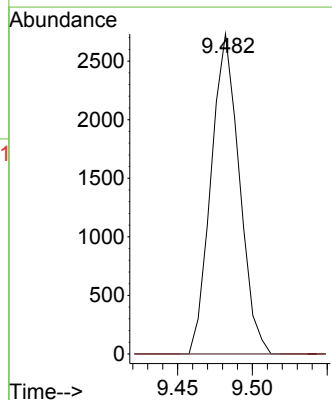
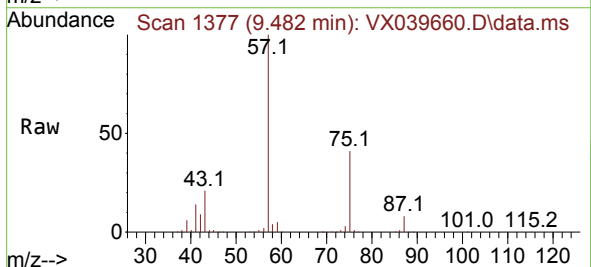
Instrument :
MSVOA_X
ClientSampleId :

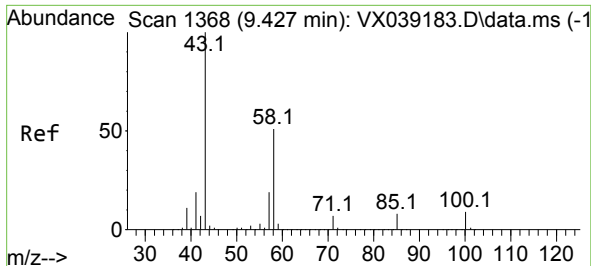
Tgt Ion: 75 Resp: 28060
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 35.6 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.263 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Tgt Ion: 76 Resp: 3589
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

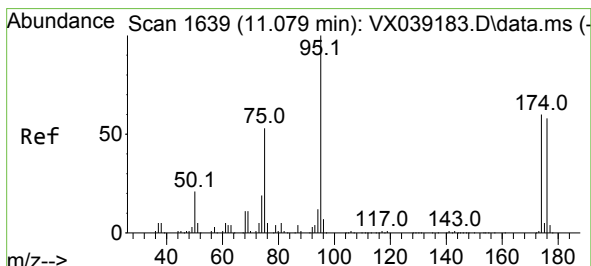
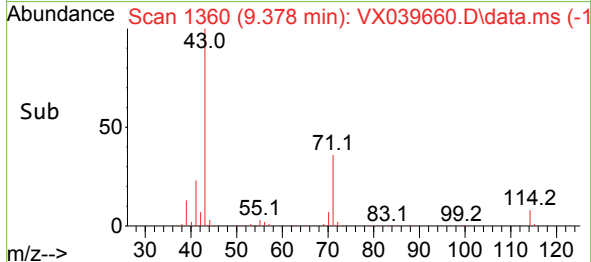
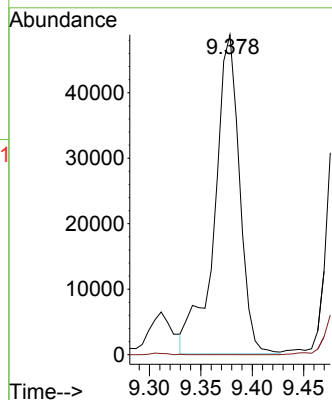
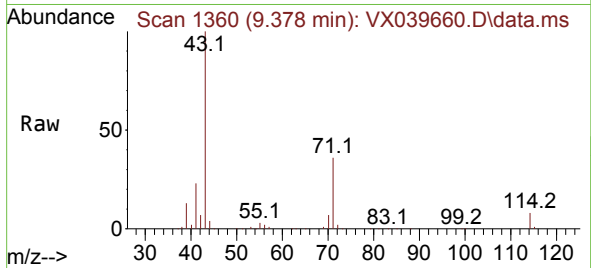




#59
2-Hexanone
Concen: 32.294 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

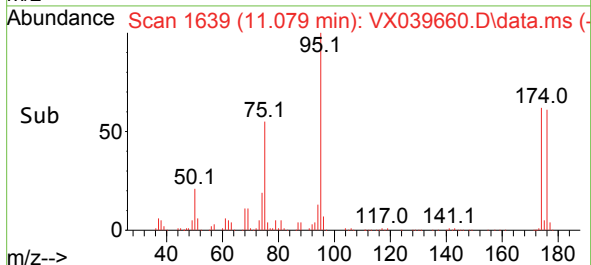
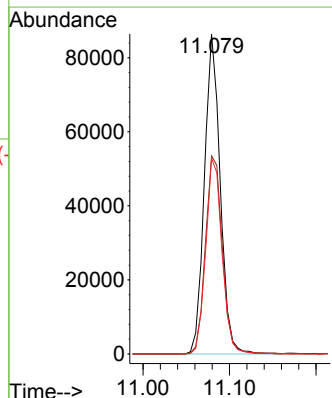
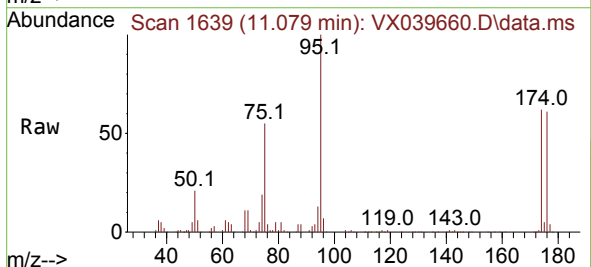
Instrument :
MSVOA_X
ClientSampleId :

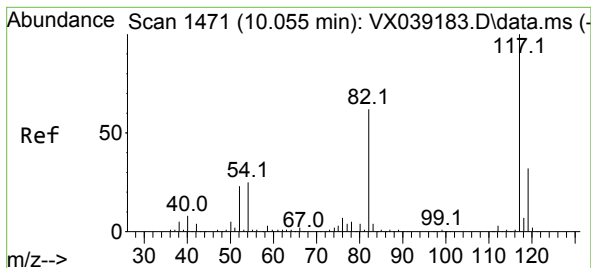
Tgt Ion: 43 Resp: 82248
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.963 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Tgt Ion: 95 Resp: 109569
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.6
176 63.0 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: VX039660.D

Acq: 08 Jan 2024 12:49

Instrument :

MSVOA_X

ClientSampleId :

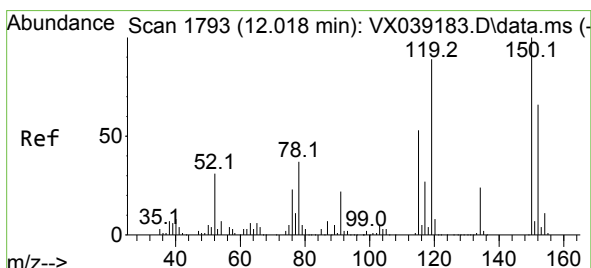
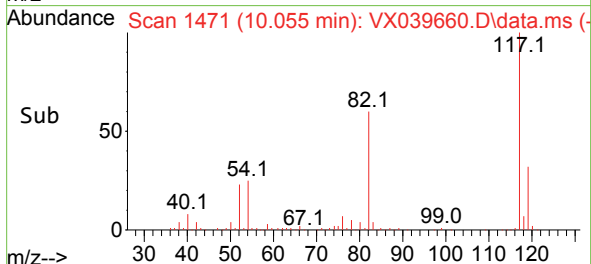
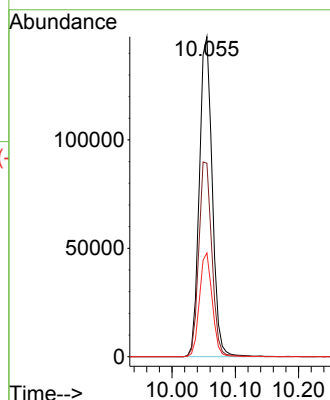
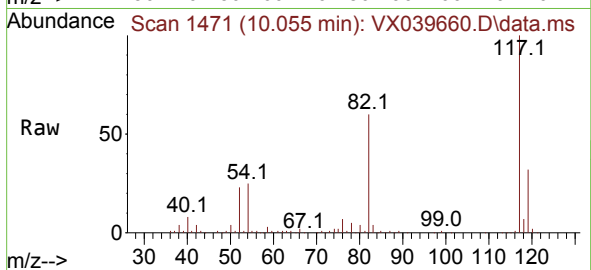
Tgt Ion:117 Resp: 209741

Ion Ratio Lower Upper

117 100

82 60.5 46.2 69.4

119 32.4 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039660.D

Acq: 08 Jan 2024 12:49

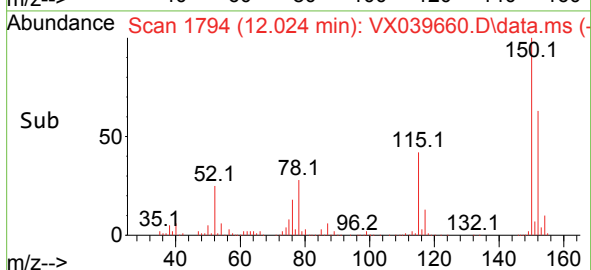
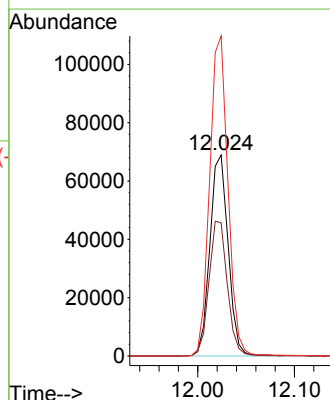
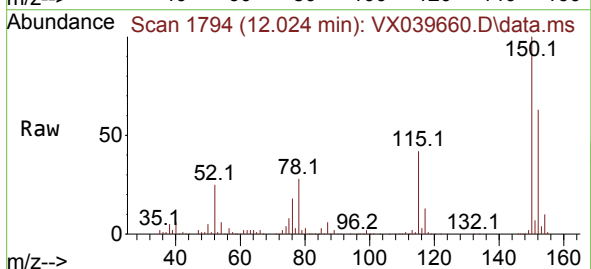
Tgt Ion:152 Resp: 90569

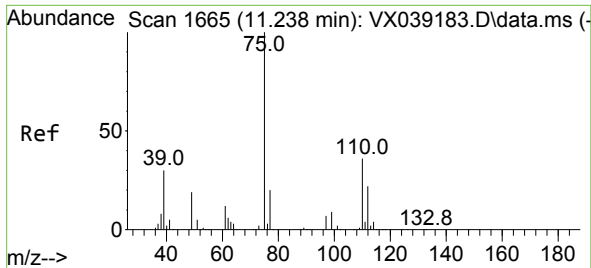
Ion Ratio Lower Upper

152 100

115 67.7 43.3 129.9

150 159.4 0.0 345.0

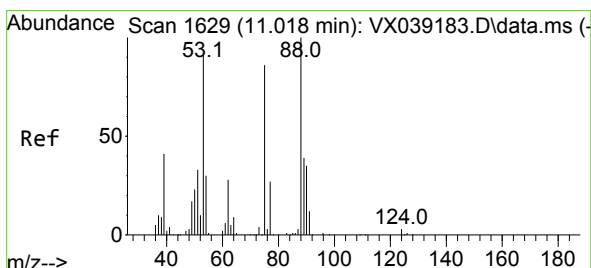
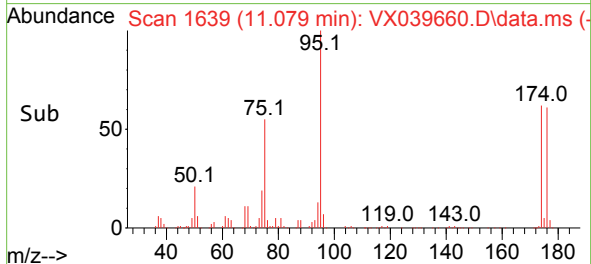
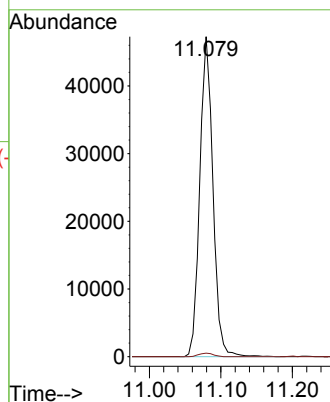
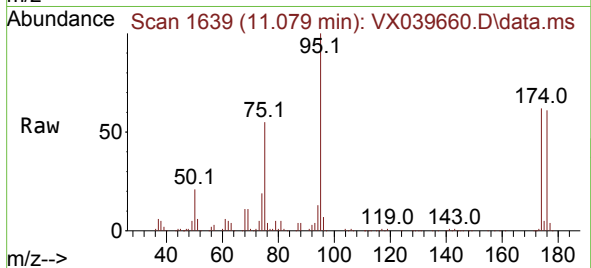




#76
1,2,3-Trichloropropane
Concen: 25.682 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 60178
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.449 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039660.D
Acq: 08 Jan 2024 12:49

Tgt Ion: 75 Resp: 60178
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

