

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011224\
 Data File : VX039738.D
 Acq On : 12 Jan 2024 15:37
 Operator : JC/MD
 Sample : P1104-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 12 22:39:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

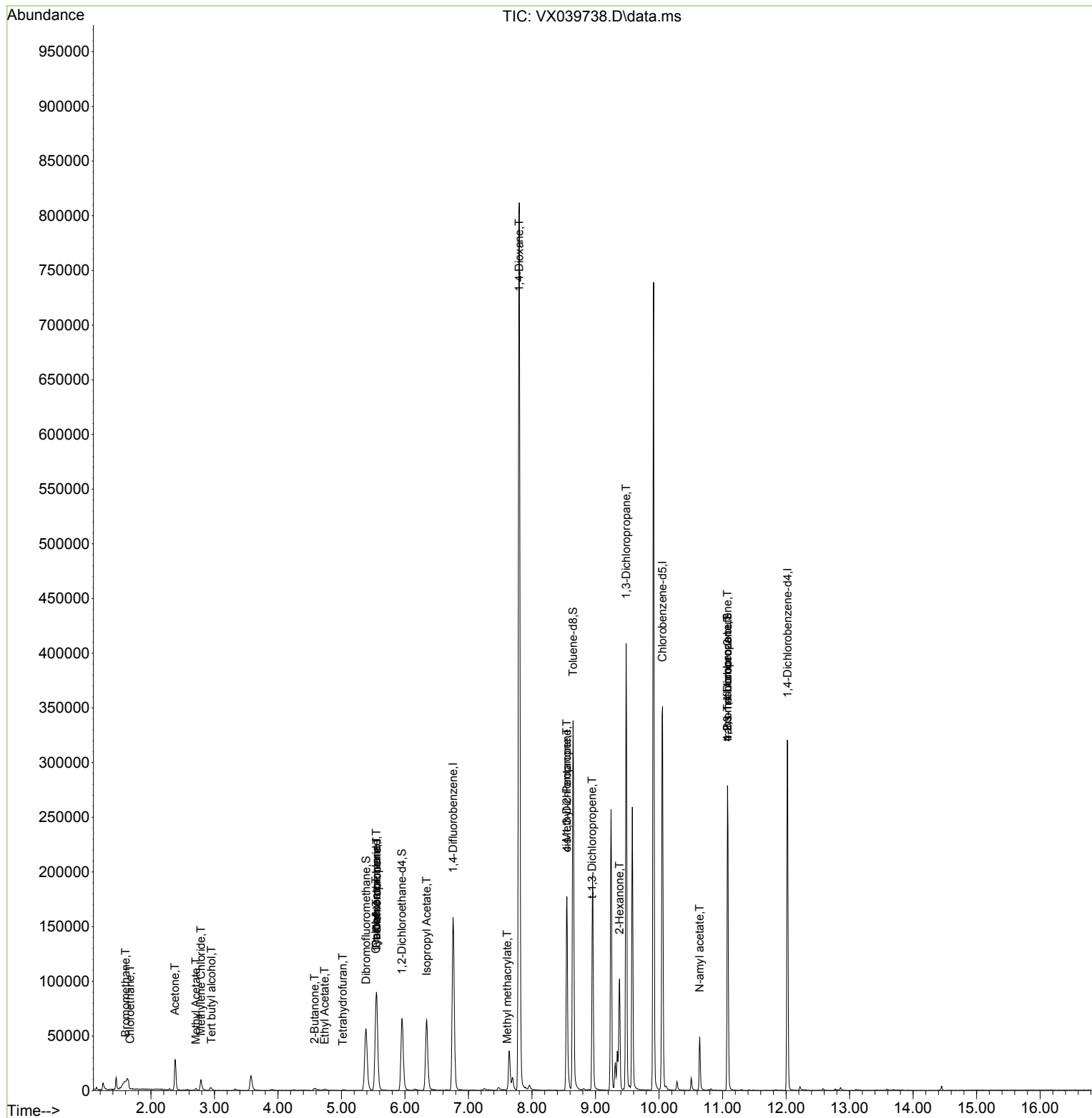
Internal Standards						
1) Pentafluorobenzene	5.550	168	81314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	154511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61851	45.408	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.820%		
35) Dibromofluoromethane	5.385	113	49238	47.044	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.080%		
50) Toluene-d8	8.647	98	194884	49.369	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.740%		
62) 4-Bromofluorobenzene	11.079	95	75375	48.829	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.660%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	252	0.389	ug/l #	78
6) Chloroethane	1.672	64	183	0.284	ug/l #	43
11) Tert butyl alcohol	2.953	59	1803	5.085	ug/l #	78
13) Acrolein	2.239	56	202	Below Cal		99
16) Acetone	2.380	43	29712	38.786	ug/l	91
18) Methyl Acetate	2.709	43	2105	1.313	ug/l	96
20) Methylene Chloride	2.788	84	4820	4.160	ug/l	95
25) 2-Butanone	4.574	43	3948	3.586	ug/l	91
29) Tetrahydrofuran	5.019	42	160	0.226	ug/l #	35
31) Cyclohexane	5.544	56	2234	1.243	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	7563	4.642	ug/l #	49
37) Ethyl Acetate	4.733	43	2307	1.061	ug/l #	85
38) Carbon Tetrachloride	5.550	117	8977	6.016	ug/l #	14
43) Isopropyl Acetate	6.342	43	89044	27.928	ug/l	99
48) Methyl methacrylate	7.610	41	3194	2.038	ug/l #	16
49) 1,4-Dioxane	7.799	88	44	1.451	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64768	29.496	ug/l #	52
53) t-1,3-Dichloropropene	8.945	75	445	0.265	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27212	14.732	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	3496	1.759	ug/l #	42
59) 2-Hexanone	9.378	43	81139	46.689	ug/l #	26
74) N-amyl acetate	10.640	43	12903	4.751	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	40889	24.102	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40889	69.227	ug/l #	5

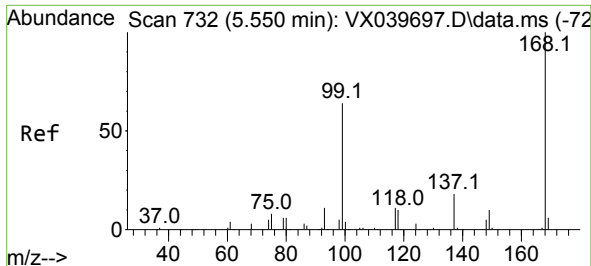
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 22:39:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

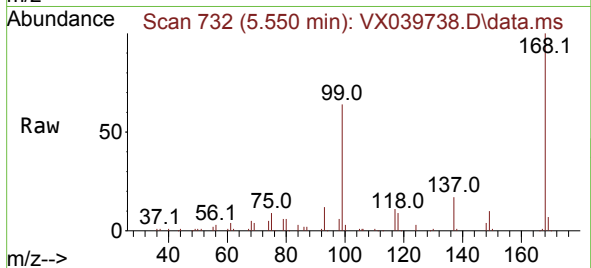
Lab File: VX039738.D

Acq: 12 Jan 2024 15:37

Instrument :

MSVOA_X

ClientSampleId :

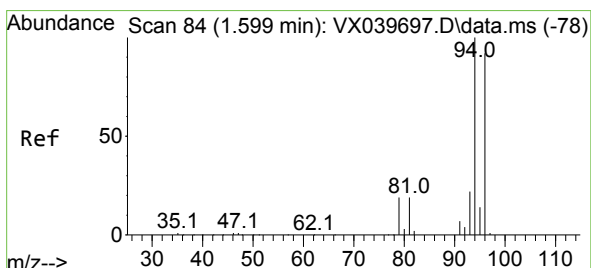
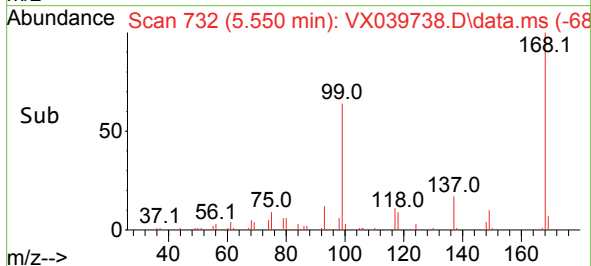
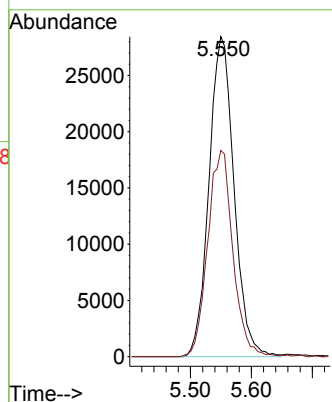


Tgt Ion:168 Resp: 81314

Ion Ratio Lower Upper

168 100

99 64.5 56.6 85.0



#5

Bromomethane

Concen: 0.389 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX039738.D

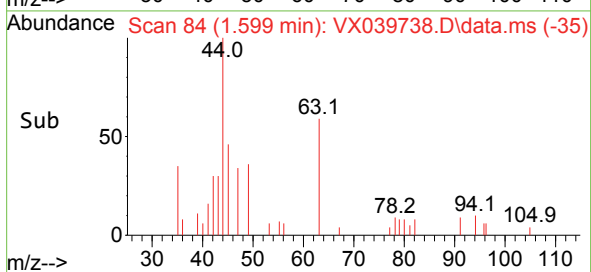
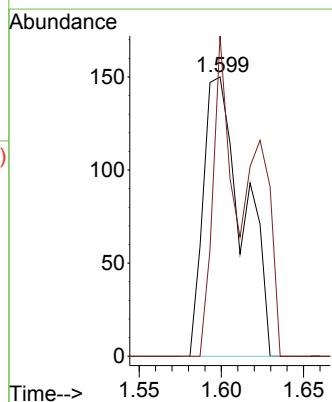
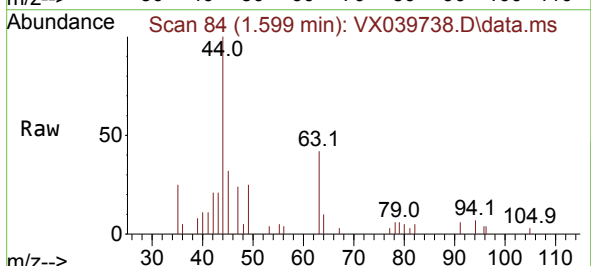
Acq: 12 Jan 2024 15:37

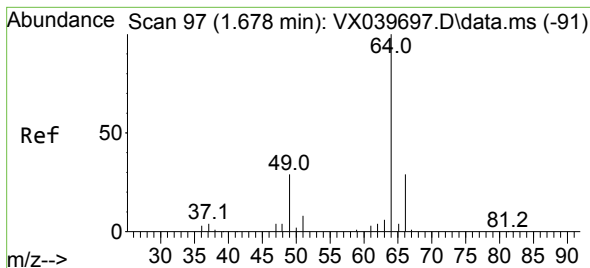
Tgt Ion: 94 Resp: 252

Ion Ratio Lower Upper

94 100

96 114.7 74.6 111.8#





#6

Chloroethane

Concen: 0.284 ug/l

RT: 1.672 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX039738.D

Acq: 12 Jan 2024 15:37

Instrument :

MSVOA_X

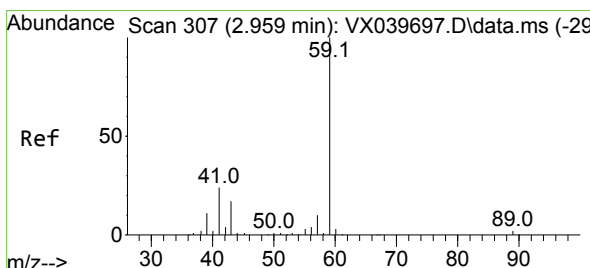
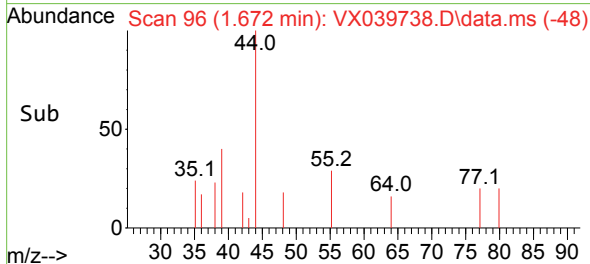
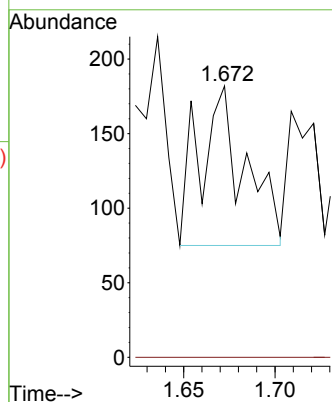
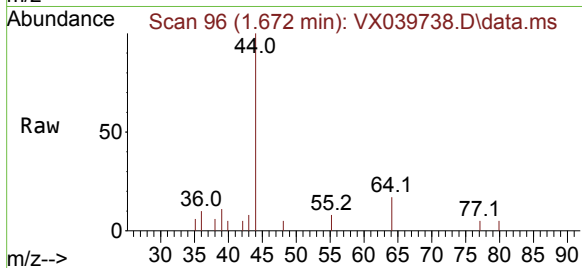
ClientSampleId :

Tgt Ion: 64 Resp: 183

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 5.085 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX039738.D

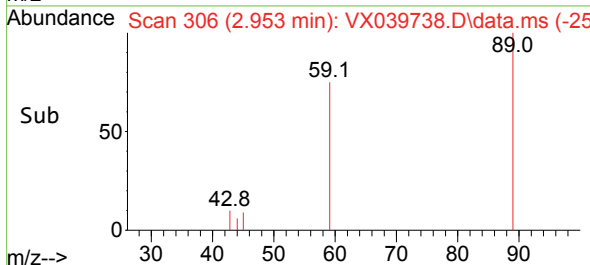
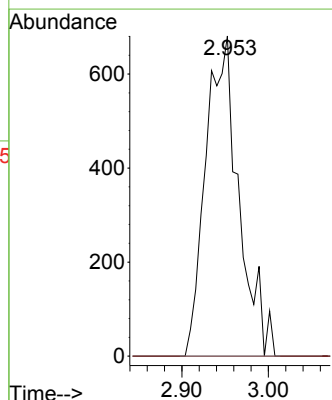
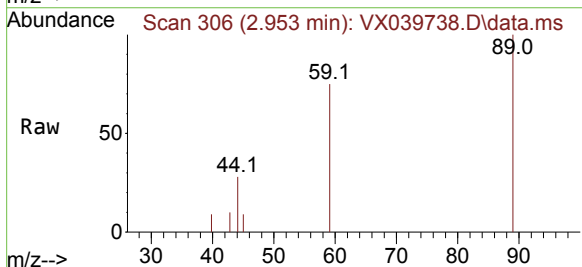
Acq: 12 Jan 2024 15:37

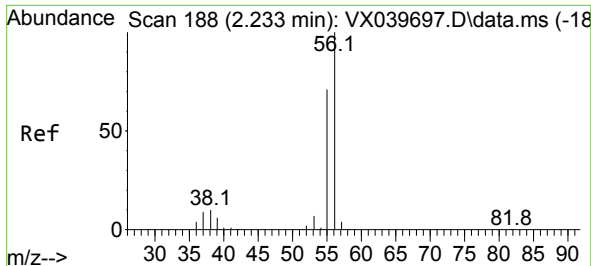
Tgt Ion: 59 Resp: 1803

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

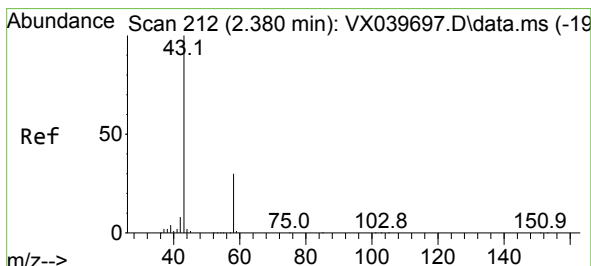
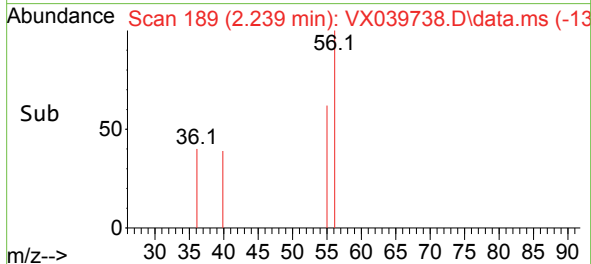
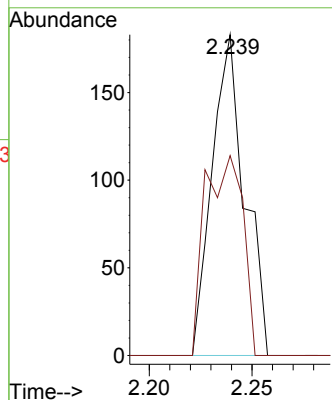
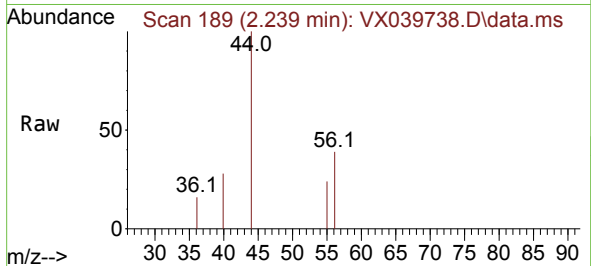




#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

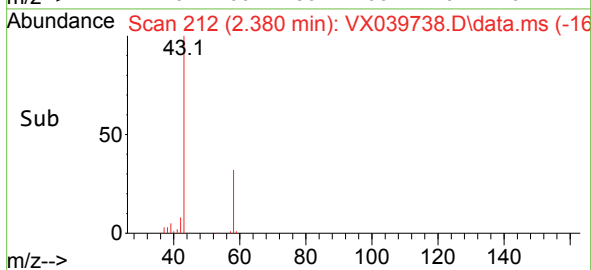
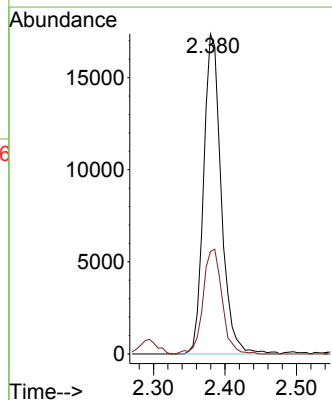
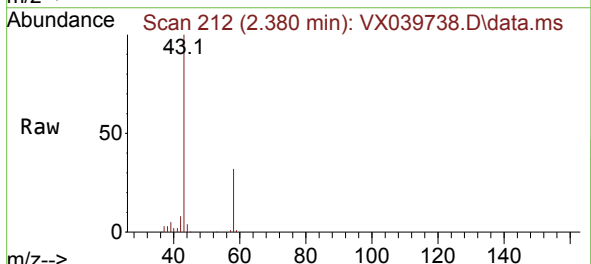
Instrument :
MSVOA_X
ClientSampleId :

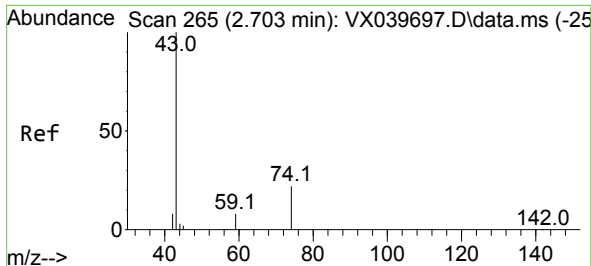
Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 72.3 57.1 85.7



#16
Acetone
Concen: 38.786 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Tgt Ion: 43 Resp: 29712
Ion Ratio Lower Upper
43 100
58 32.0 21.9 32.9

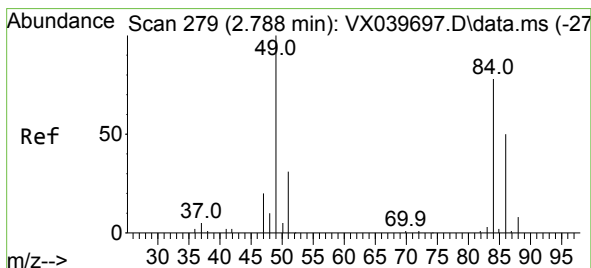
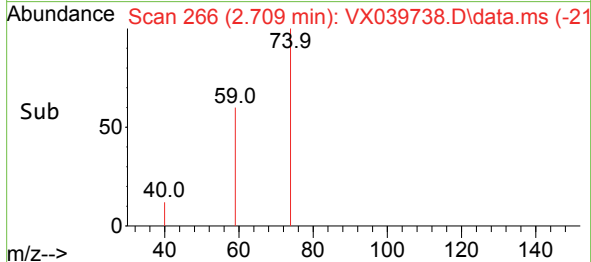
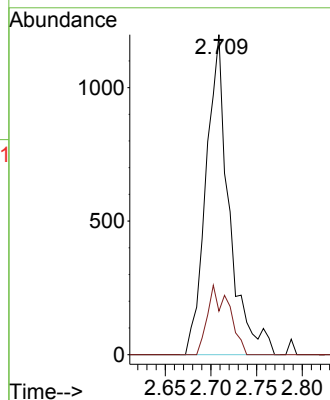
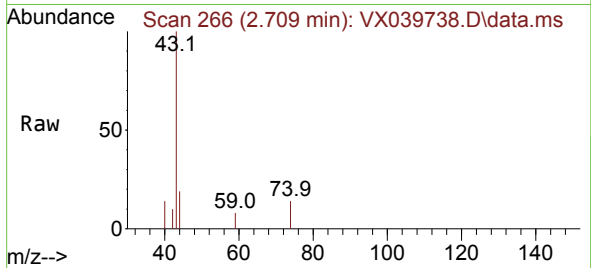




#18
Methyl Acetate
Concen: 1.313 ug/l
RT: 2.709 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

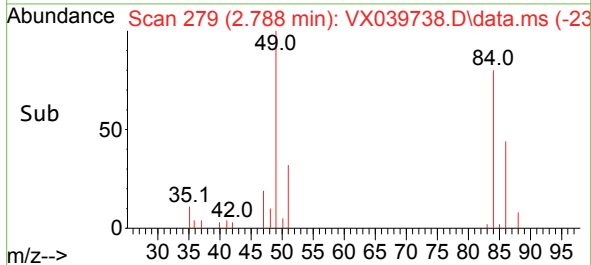
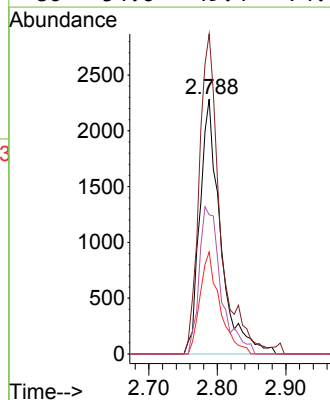
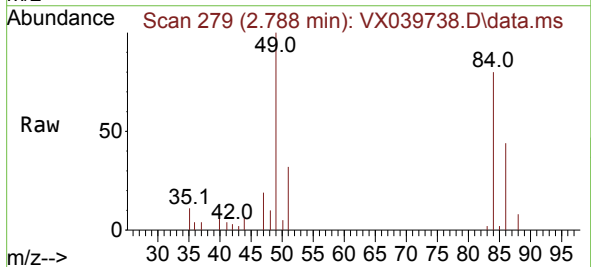
Instrument :
MSVOA_X
ClientSampleId :

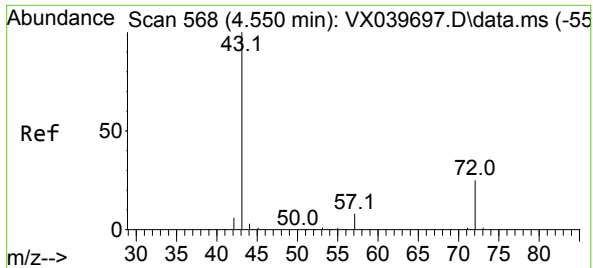
Tgt Ion: 43 Resp: 2105
Ion Ratio Lower Upper
43 100
74 20.4 17.8 26.8



#20
Methylene Chloride
Concen: 4.160 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Tgt Ion: 84 Resp: 4820
Ion Ratio Lower Upper
84 100
49 125.5 103.6 155.4
51 40.0 33.8 50.6
86 54.6 49.4 74.0

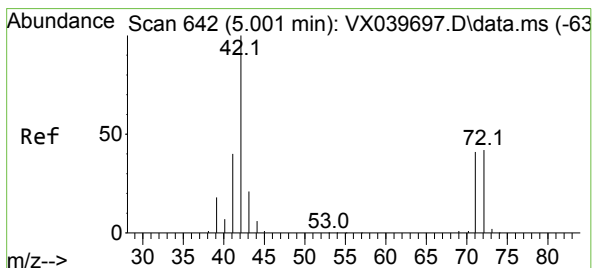
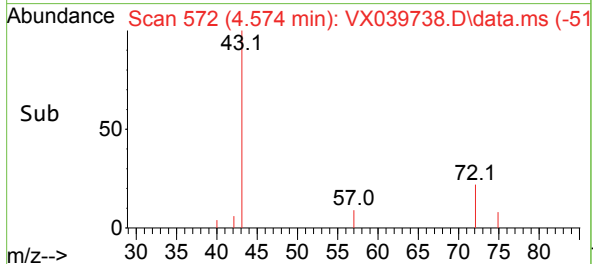
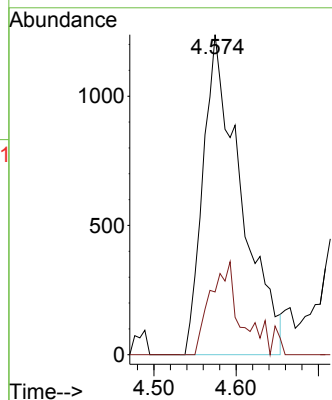
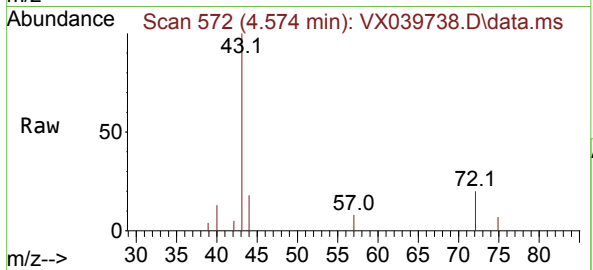




#25
2-Butanone
Concen: 3.586 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

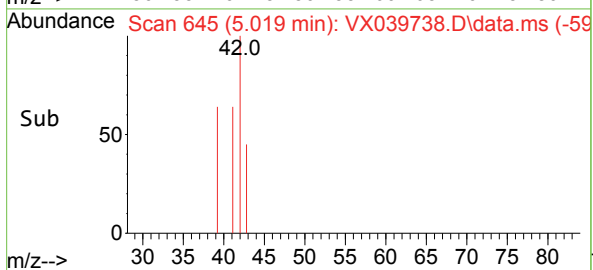
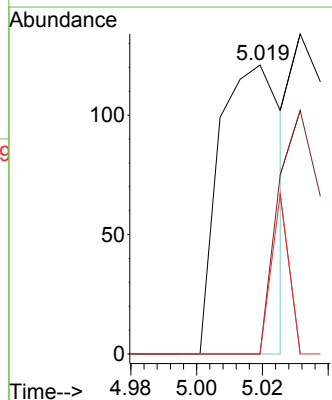
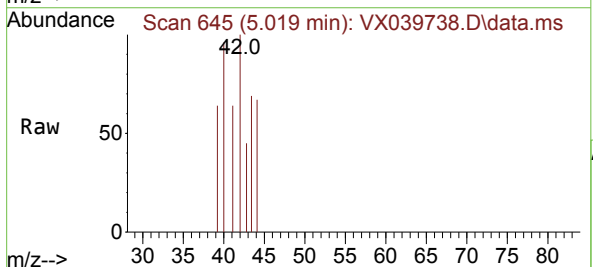
Instrument :
MSVOA_X
ClientSampleId :

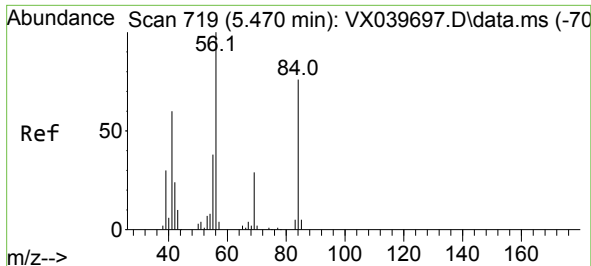
Tgt Ion: 43 Resp: 3948
Ion Ratio Lower Upper
43 100
72 19.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.018 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

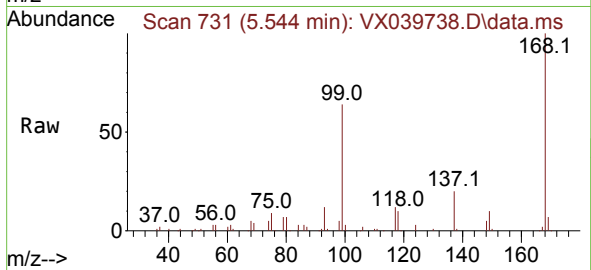
Tgt Ion: 42 Resp: 160
Ion Ratio Lower Upper
42 100
72 99.4 34.2 51.4#
71 15.6 32.2 48.2#



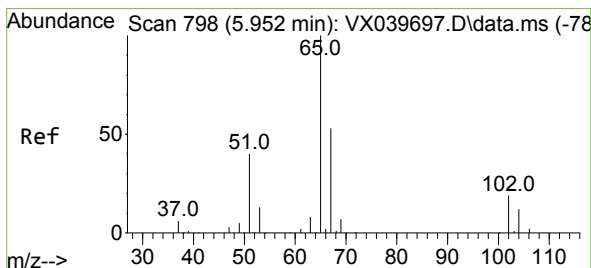
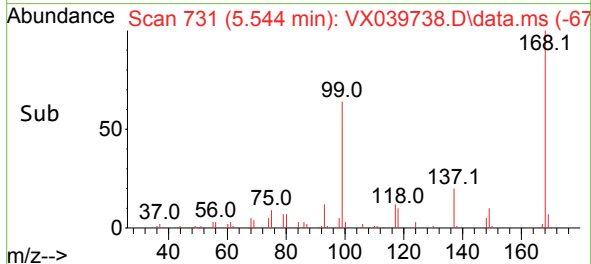
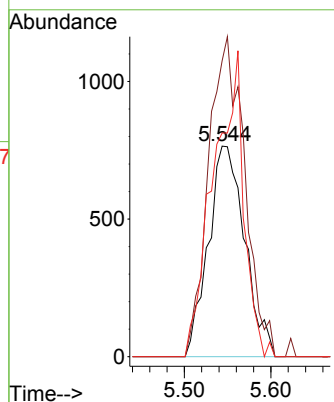


#31
Cyclohexane
Concen: 1.243 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Instrument :
MSVOA_X
ClientSampleId :

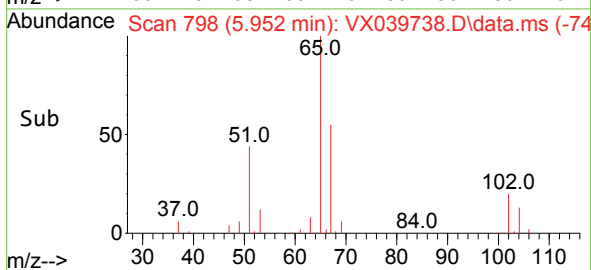
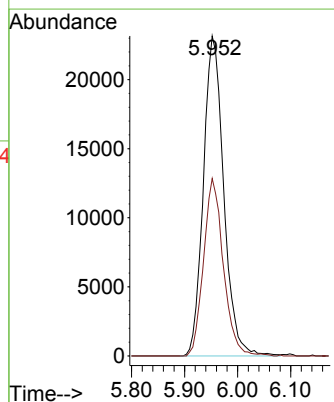
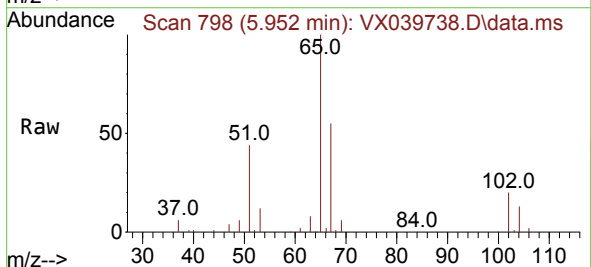


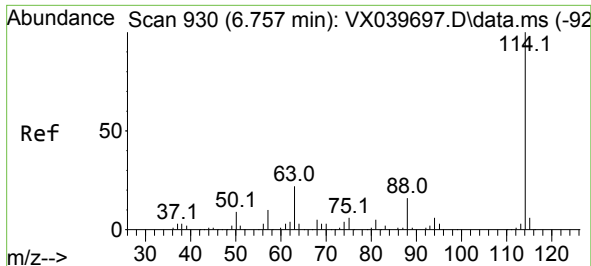
Tgt Ion: 56 Resp: 2234
Ion Ratio Lower Upper
56 100
69 140.5 23.4 35.2#
84 106.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.408 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

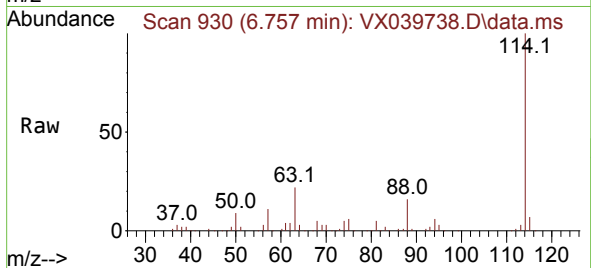
Tgt Ion: 65 Resp: 61851
Ion Ratio Lower Upper
65 100
67 53.9 0.0 100.2



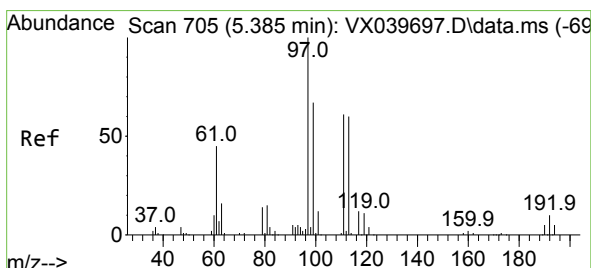
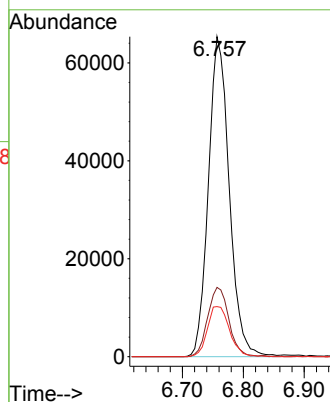
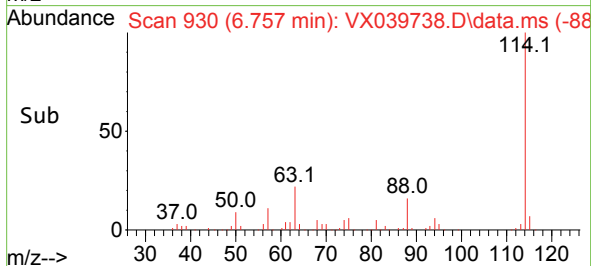


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Instrument :
MSVOA_X
ClientSampleId :

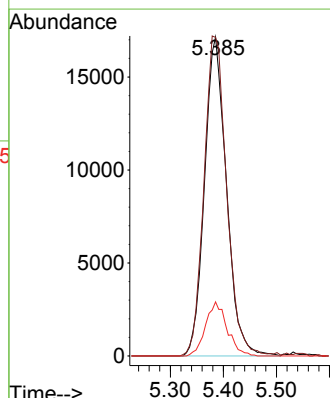
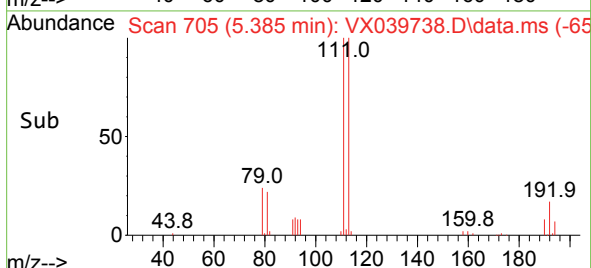
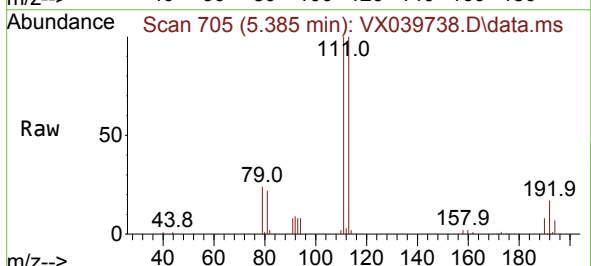


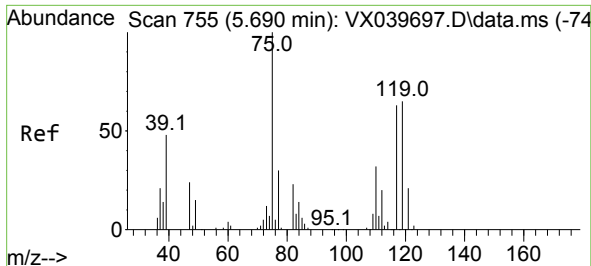
Tgt Ion:114 Resp: 155394
Ion Ratio Lower Upper
114 100
63 21.6 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.044 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

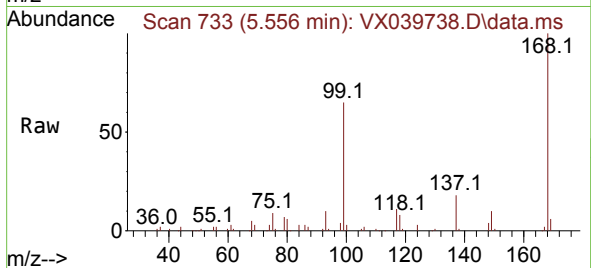
Tgt Ion:113 Resp: 49238
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 16.7 13.3 19.9



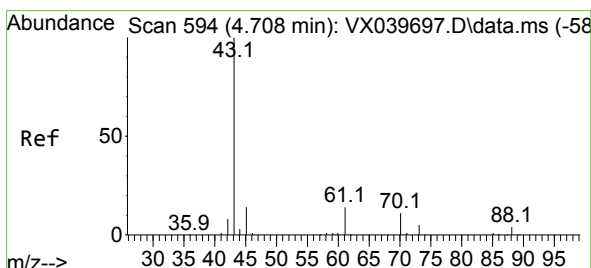
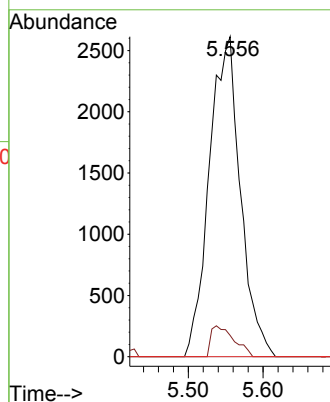
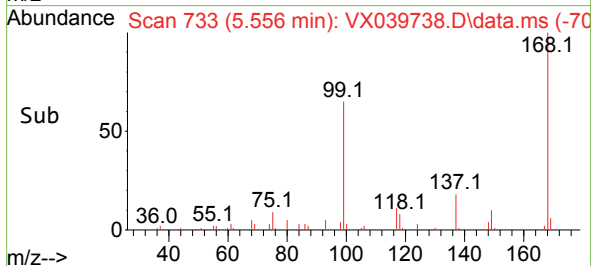


#36
1,1-Dichloropropene
Concen: 4.642 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Instrument :
MSVOA_X
ClientSampleId :

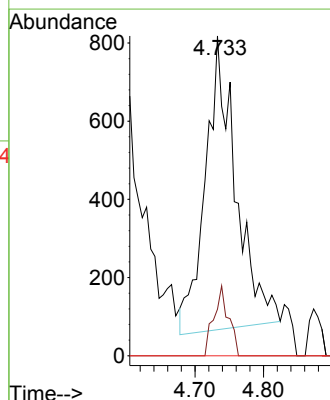
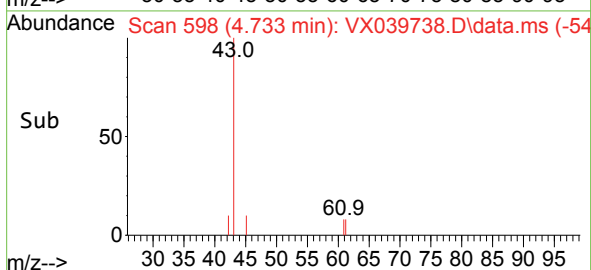
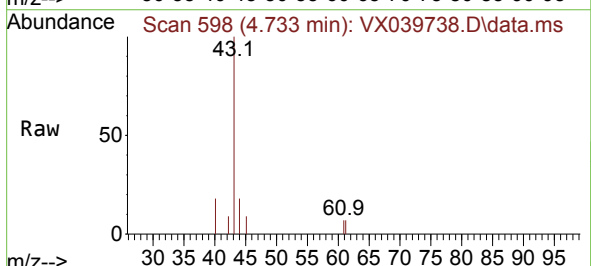


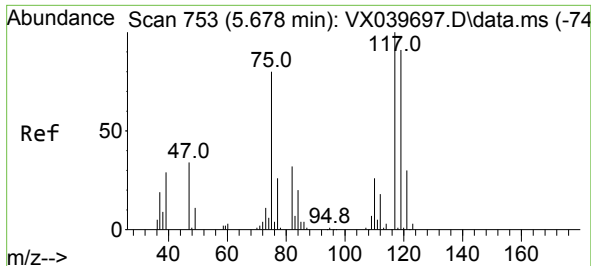
Tgt Ion: 75 Resp: 7563
Ion Ratio Lower Upper
75 100
110 7.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.061 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.024 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

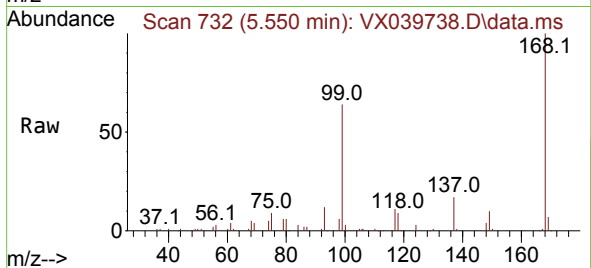
Tgt Ion: 43 Resp: 2307
Ion Ratio Lower Upper
43 100
61 11.6 10.6 16.0
70 0.0 8.3 12.5#



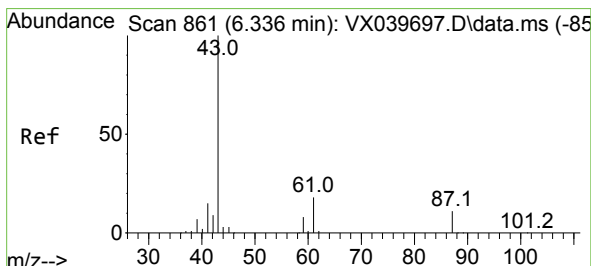
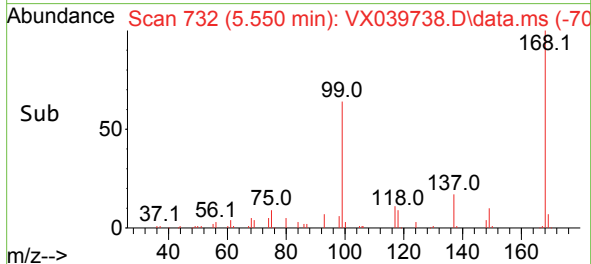
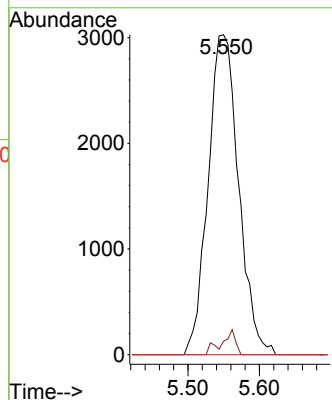


#38
Carbon Tetrachloride
Concen: 6.016 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Instrument :
MSVOA_X
ClientSampleId :

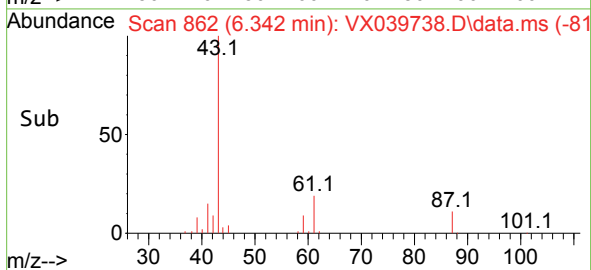
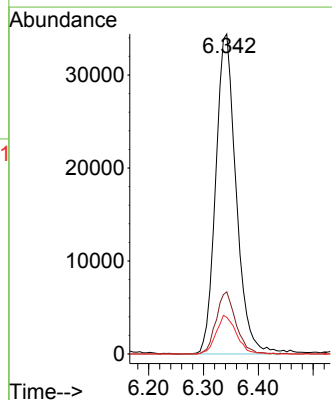
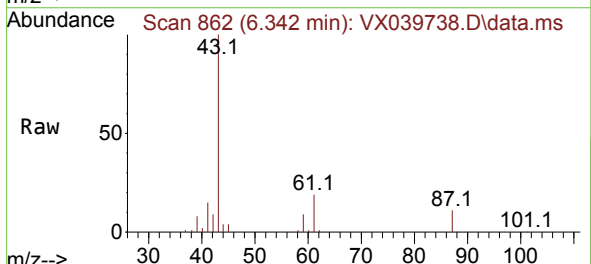


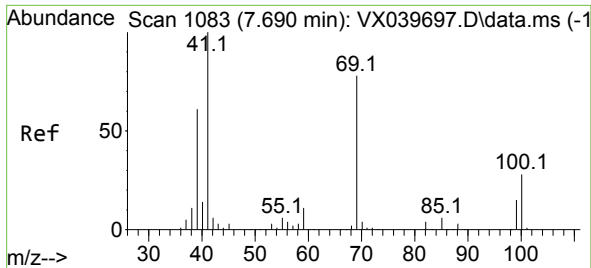
Tgt Ion:117 Resp: 8977
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 27.928 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

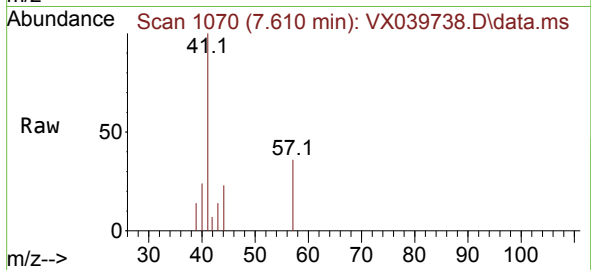
Tgt Ion: 43 Resp: 89044
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 11.9 9.8 14.6



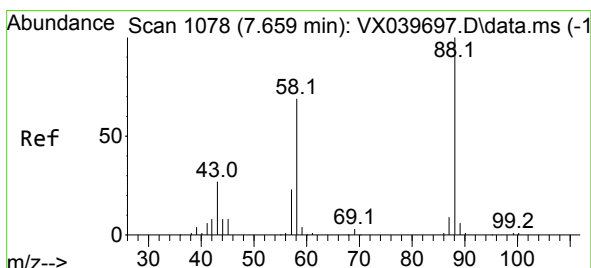
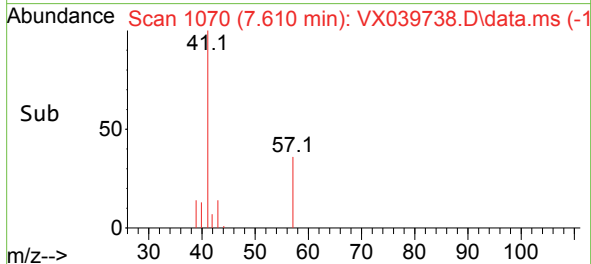
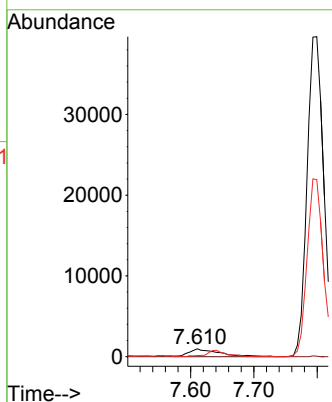


#48
Methyl methacrylate
Concen: 2.038 ug/l
RT: 7.610 min Scan# 1101
Delta R.T. -0.079 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Instrument :
MSVOA_X
ClientSampleId :

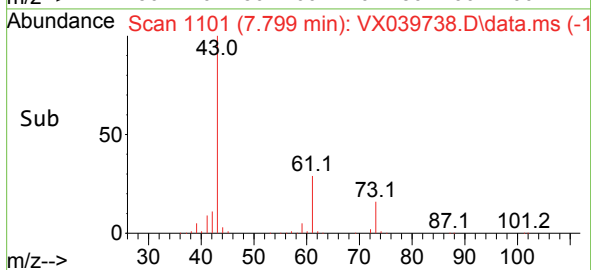
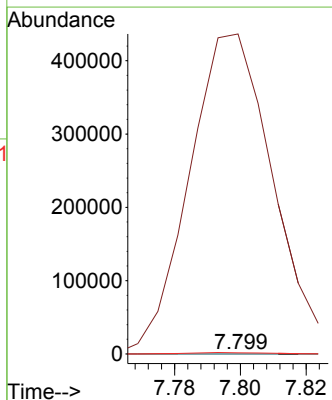
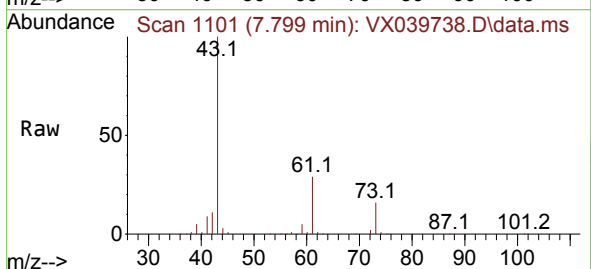


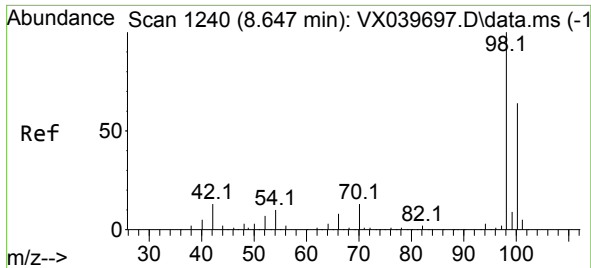
Tgt Ion: 41 Resp: 3194
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 1.451 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 1787222.7 0.0 0.0#
58 7588.6 60.1 90.1#

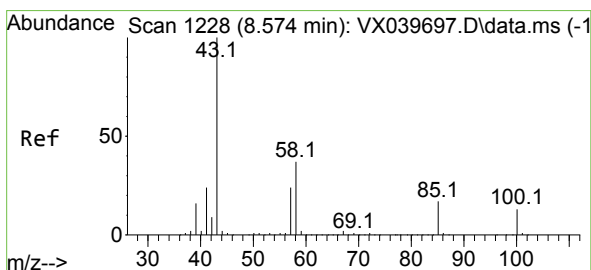
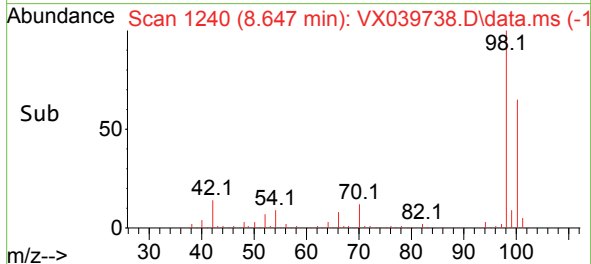
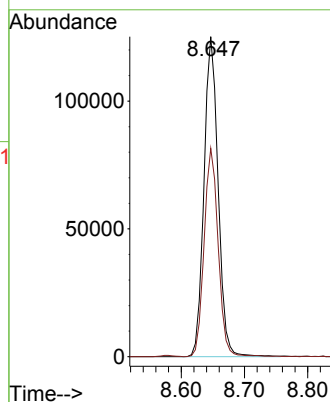
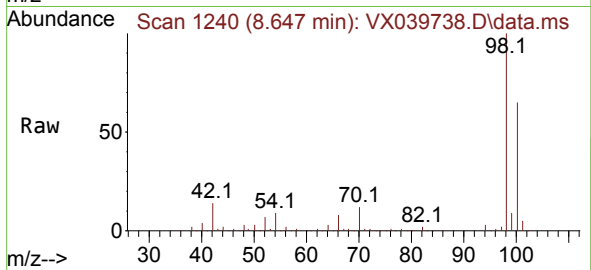




#50
Toluene-d8
Concen: 49.369 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

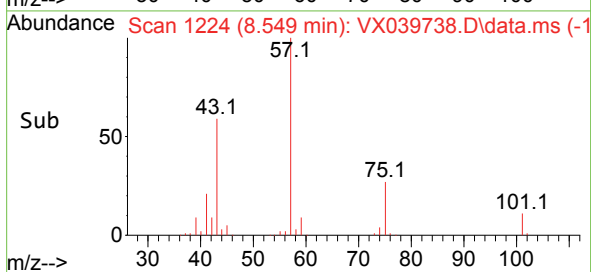
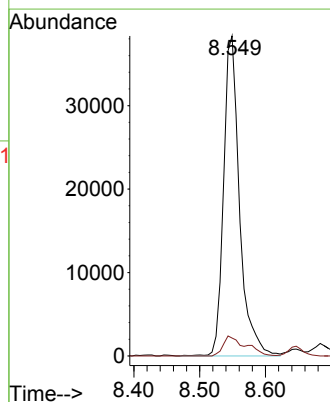
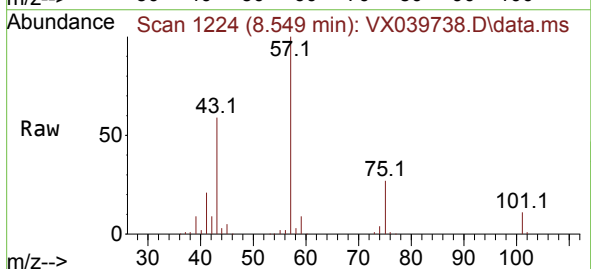
Instrument :
MSVOA_X
ClientSampleId :

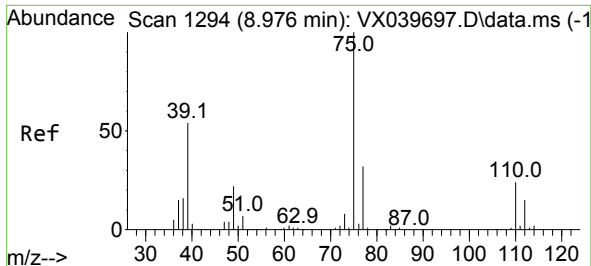
Tgt Ion: 98 Resp: 194884
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 29.496 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Tgt Ion: 43 Resp: 64768
Ion Ratio Lower Upper
43 100
58 8.8 30.4 45.6#

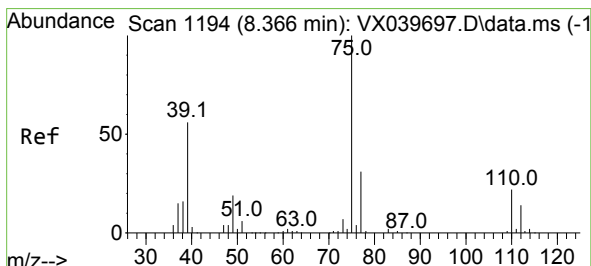
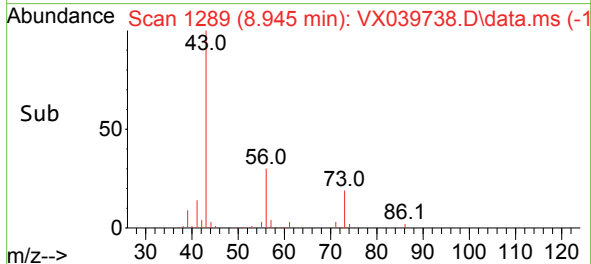
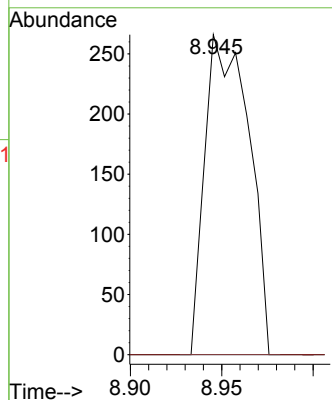
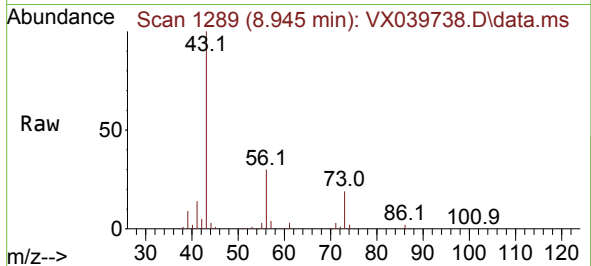




#53
 t-1,3-Dichloropropene
 Concen: 0.265 ug/l
 RT: 8.945 min Scan# 1124
 Delta R.T. -0.031 min
 Lab File: VX039738.D
 Acq: 12 Jan 2024 15:37

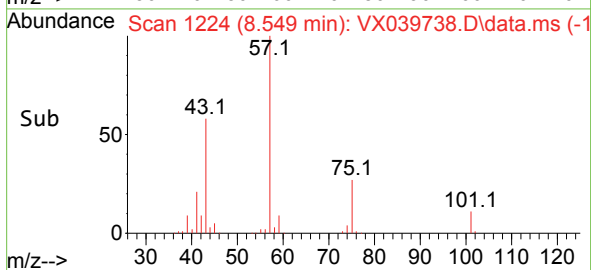
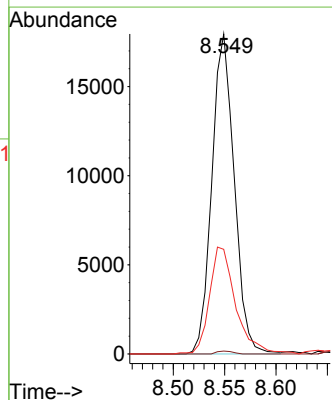
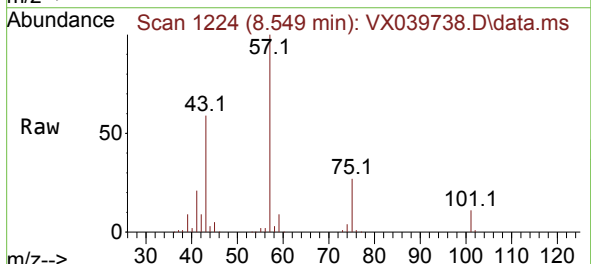
Instrument :
 MSVOA_X
 ClientSampleId :

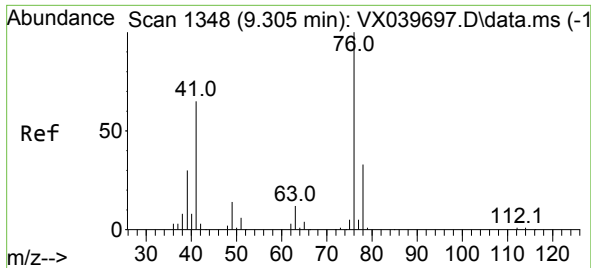
Tgt Ion: 75 Resp: 445
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.732 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039738.D
 Acq: 12 Jan 2024 15:37

Tgt Ion: 75 Resp: 27212
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.3 37.9#
 39 32.4 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.759 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX039738.D

Acq: 12 Jan 2024 15:37

Instrument :

MSVOA_X

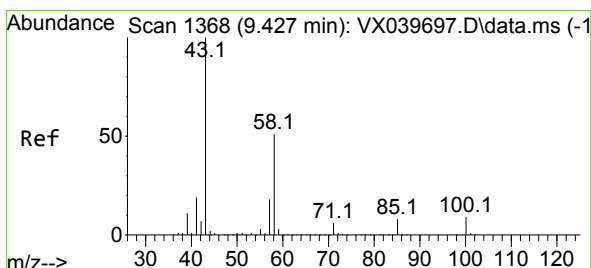
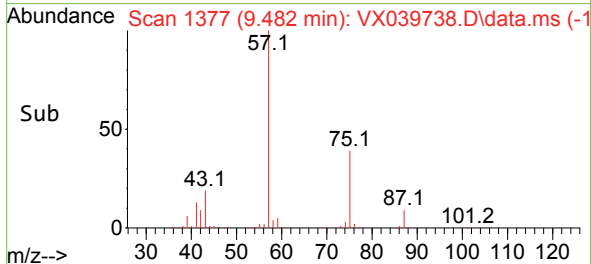
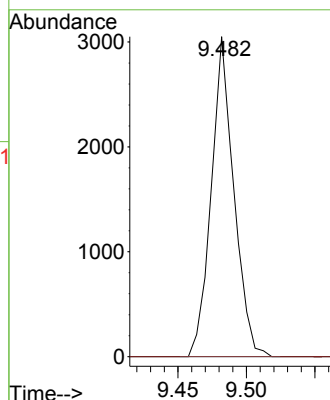
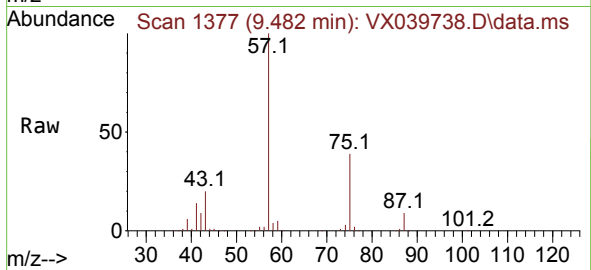
ClientSampleId :

Tgt Ion: 76 Resp: 3496

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.689 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX039738.D

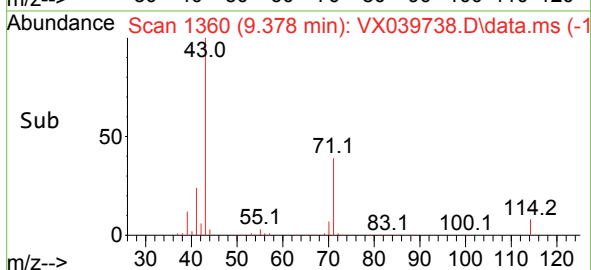
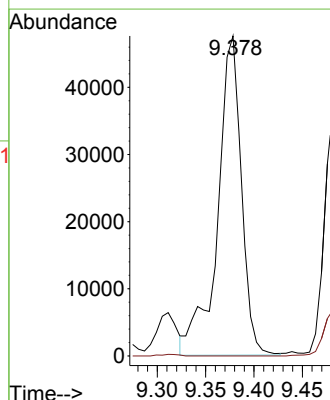
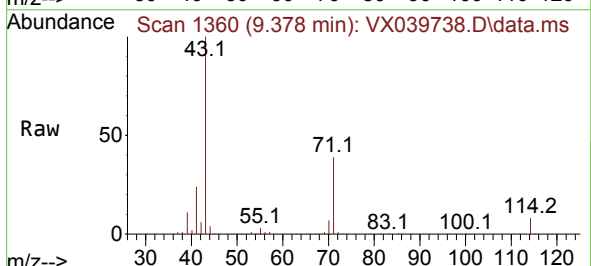
Acq: 12 Jan 2024 15:37

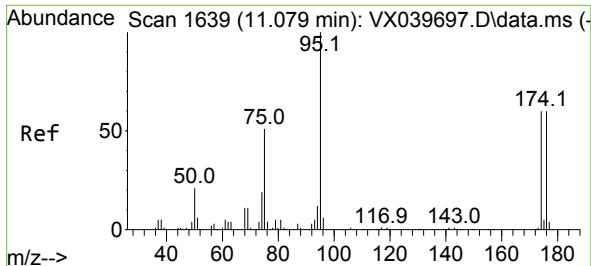
Tgt Ion: 43 Resp: 81139

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

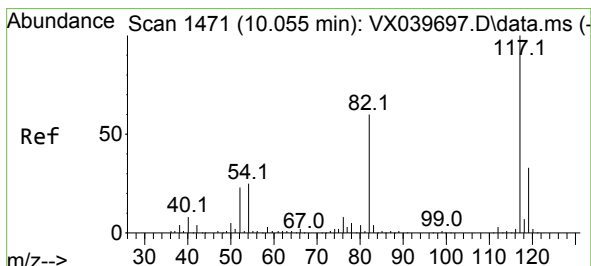
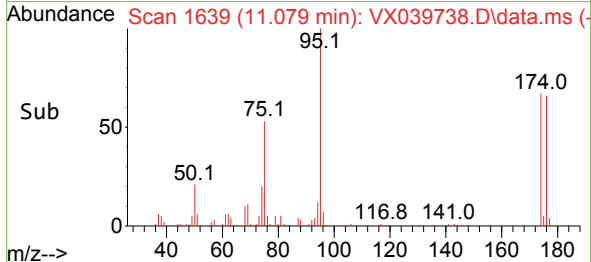
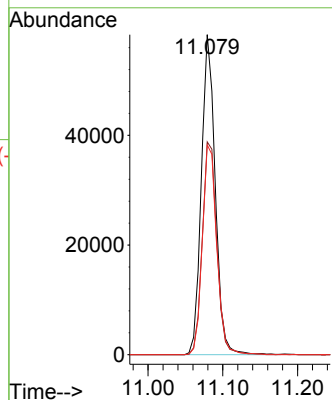
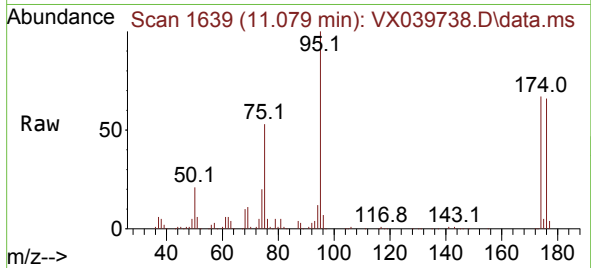




#62
4-Bromofluorobenzene
Concen: 48.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

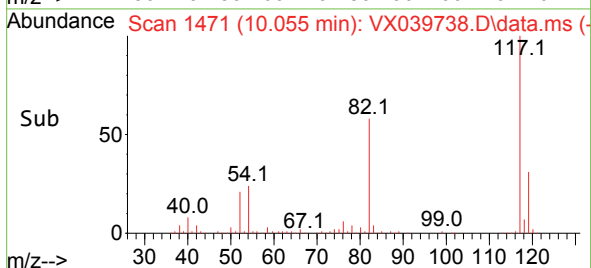
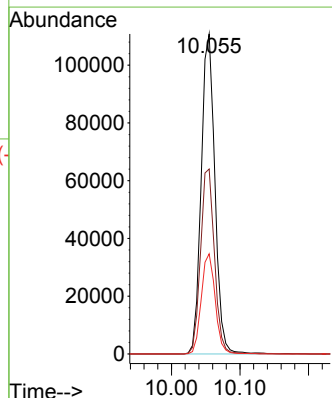
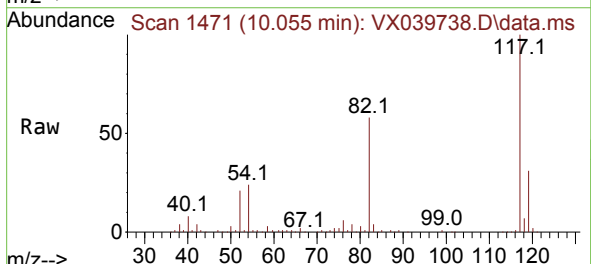
Instrument :
MSVOA_X
ClientSampleId :

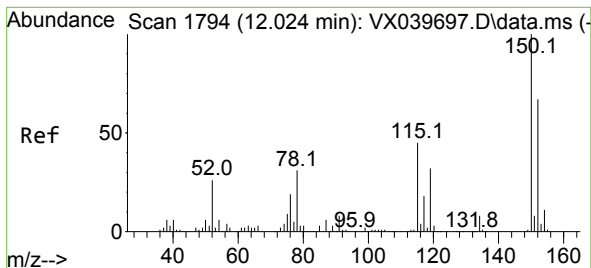
Tgt Ion: 95 Resp: 75375
Ion Ratio Lower Upper
95 100
174 69.4 0.0 135.6
176 68.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039738.D
Acq: 12 Jan 2024 15:37

Tgt Ion: 117 Resp: 154511
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.4
119 31.3 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: VX039738.D

Acq: 12 Jan 2024 15:37

Instrument :

MSVOA_X

ClientSampleId :

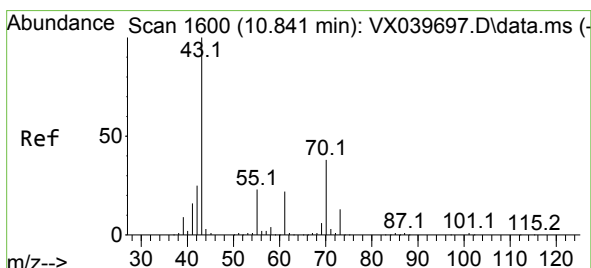
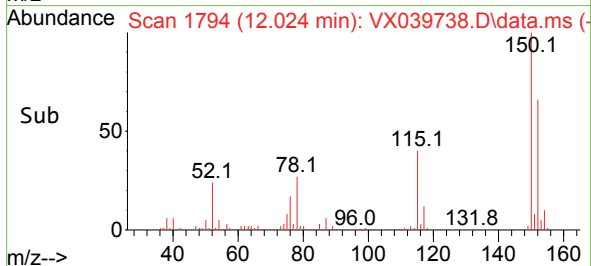
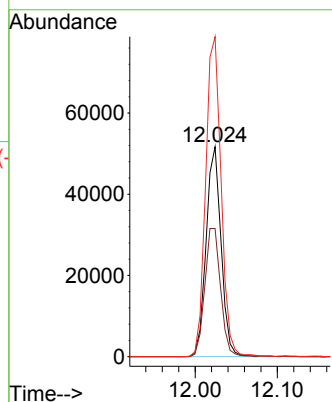
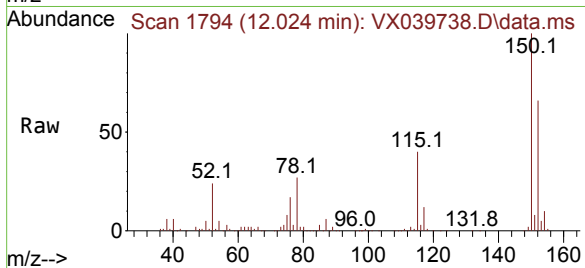
Tgt Ion:152 Resp: 65437

Ion Ratio Lower Upper

152 100

115 64.3 43.3 129.9

150 157.6 0.0 345.0



#74

N-ethyl acetate

Concen: 4.751 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX039738.D

Acq: 12 Jan 2024 15:37

Tgt Ion: 43 Resp: 12903

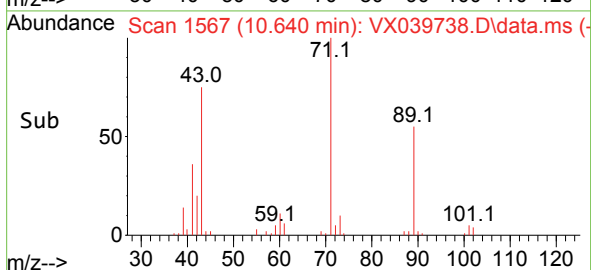
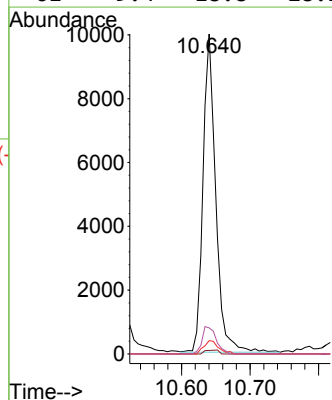
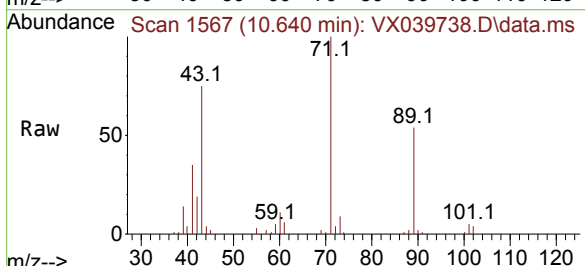
Ion Ratio Lower Upper

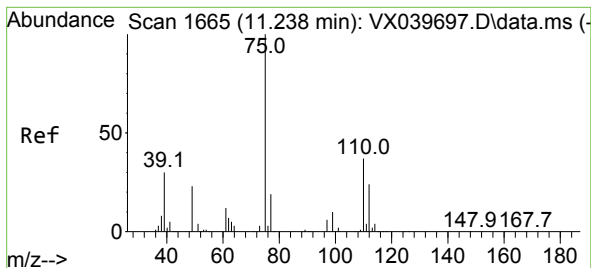
43 100

70 1.3 32.9 49.3#

55 4.8 19.3 28.9#

61 9.4 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.102 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039738.D

Acq: 12 Jan 2024 15:37

Instrument :

MSVOA_X

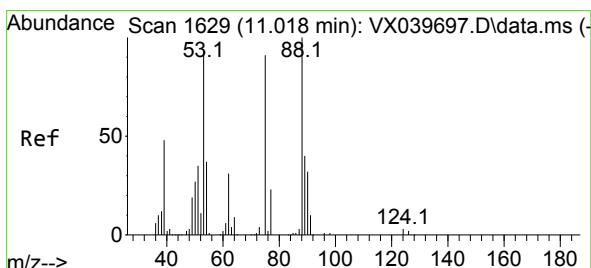
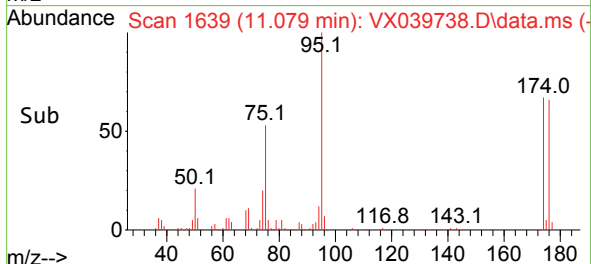
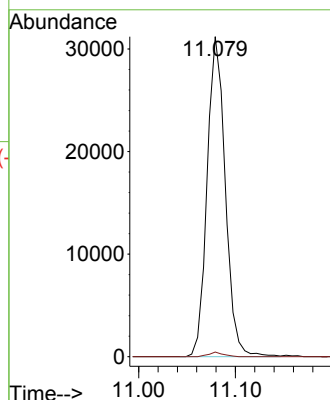
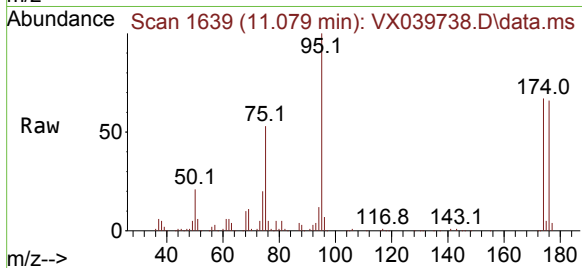
ClientSampleId :

Tgt Ion: 75 Resp: 40889

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.227 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039738.D

Acq: 12 Jan 2024 15:37

Tgt Ion: 75 Resp: 40889

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

