

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011224\
 Data File : VX039739.D
 Acq On : 12 Jan 2024 16:00
 Operator : JC/MD
 Sample : P1104-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 12 22:40:22 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

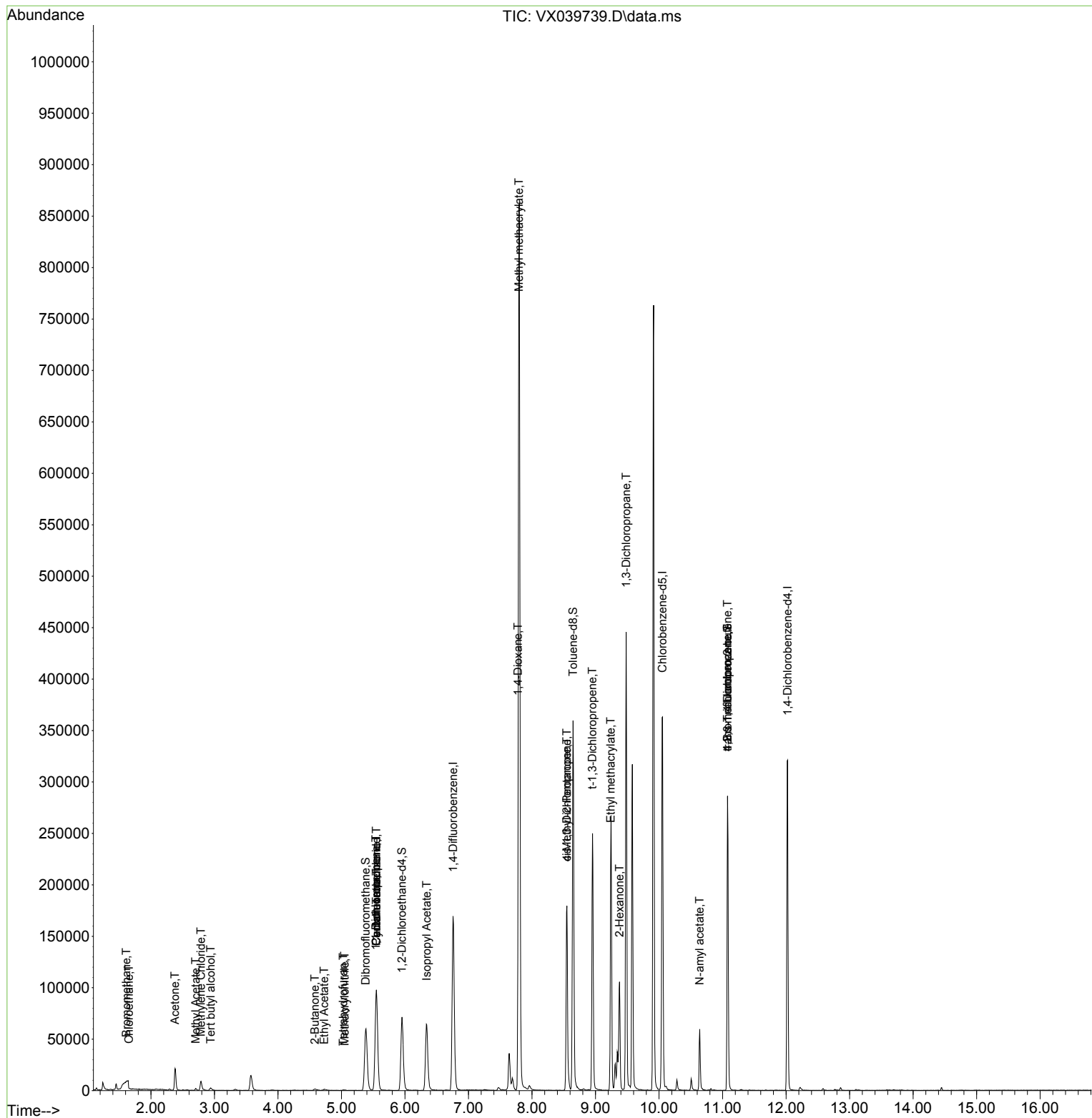
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	88017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167615	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66316	44.978	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.960%
35) Dibromofluoromethane	5.379	113	53936	47.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.540%
50) Toluene-d8	8.647	98	206735	48.553	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.100%
62) 4-Bromofluorobenzene	11.079	95	79783	47.916	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.840%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	371	0.530	ug/l #	53
6) Chloroethane	1.654	64	153	0.219	ug/l #	43
11) Tert butyl alcohol	2.940	59	1857	4.838	ug/l #	78
13) Acrolein	2.233	56	150	Below Cal		90
16) Acetone	2.380	43	22657	27.324	ug/l #	87
18) Methyl Acetate	2.703	43	2177	1.255	ug/l	97
20) Methylene Chloride	2.788	84	4696	3.744	ug/l	89
25) 2-Butanone	4.580	43	2640	2.215	ug/l	94
29) Tetrahydrofuran	5.025	42	237	0.309	ug/l #	47
31) Cyclohexane	5.550	56	2129	1.094	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	7737	4.403	ug/l #	50
37) Ethyl Acetate	4.727	43	3141	1.340	ug/l #	78
38) Carbon Tetrachloride	5.550	117	9911	6.158	ug/l #	15
41) Methacrylonitrile	5.050	41	242	0.211	ug/l #	38
43) Isopropyl Acetate	6.342	43	91367	26.568	ug/l	99
48) Methyl methacrylate	7.793	41	79787	47.200	ug/l #	48
49) 1,4-Dioxane	7.781	88	137	4.188	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65984	27.859	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	502	0.277	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27868	13.988	ug/l #	59
56) Ethyl methacrylate	9.238	69	607	0.296	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3551	1.656	ug/l #	42
59) 2-Hexanone	9.378	43	83195	44.382	ug/l #	26
74) N-amyl acetate	10.640	43	15322	5.733	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	42057	25.189	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42057	71.978	ug/l #	5

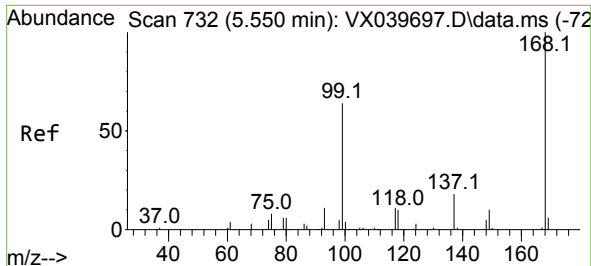
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

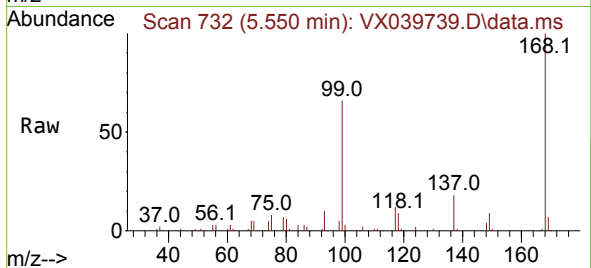
Quant Time: Jan 12 22:40:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration



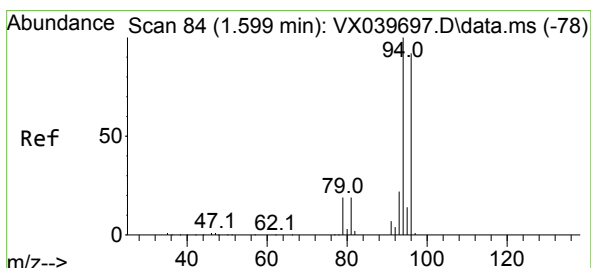
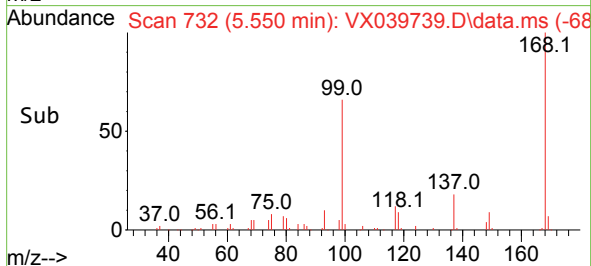
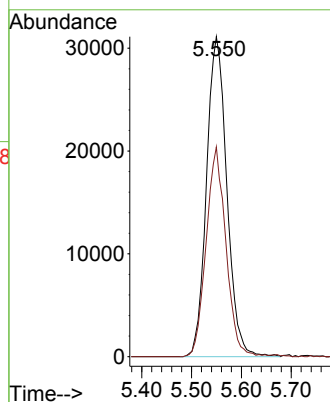


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Instrument :
MSVOA_X
ClientSampleId :

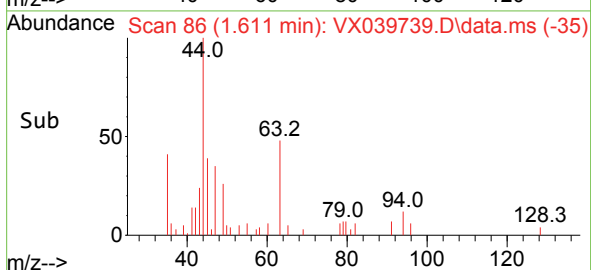
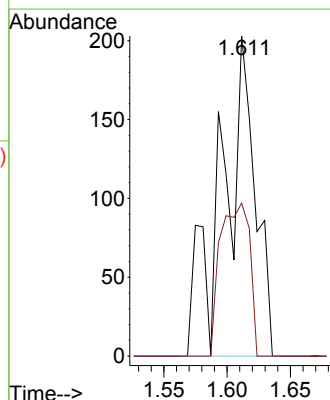
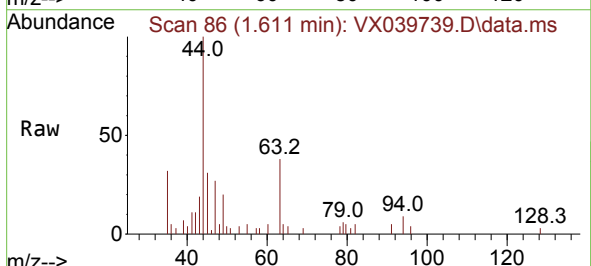


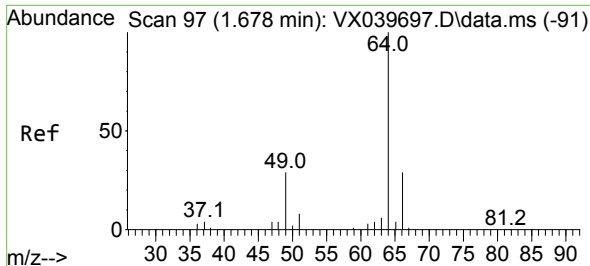
Tgt Ion:168 Resp: 88017
Ion Ratio Lower Upper
168 100
99 65.6 56.6 85.0



#5
Bromomethane
Concen: 0.530 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 47.8 74.6 111.8#

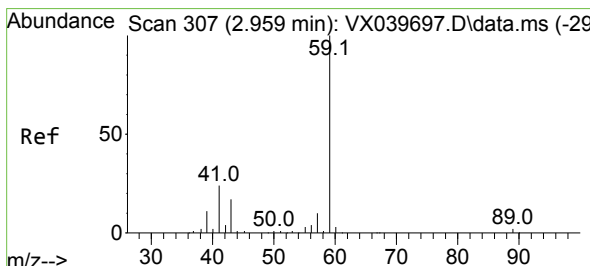
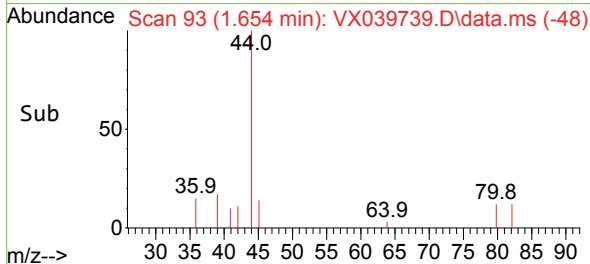
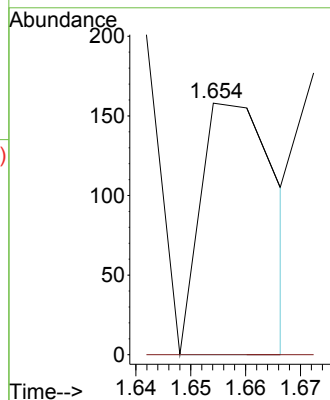
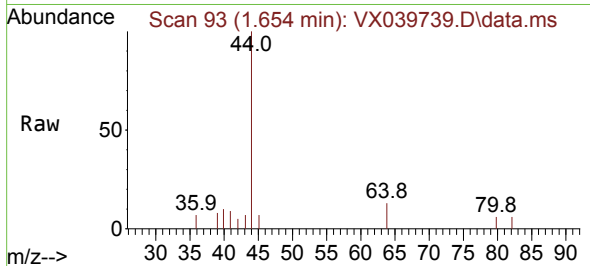




#6
Chloroethane
Concen: 0.219 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

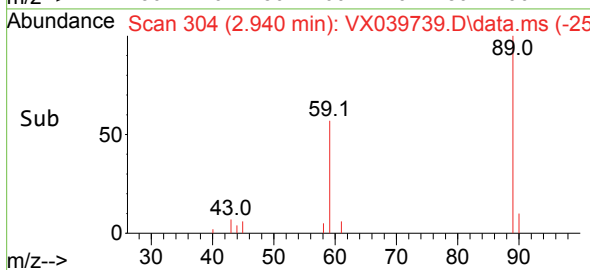
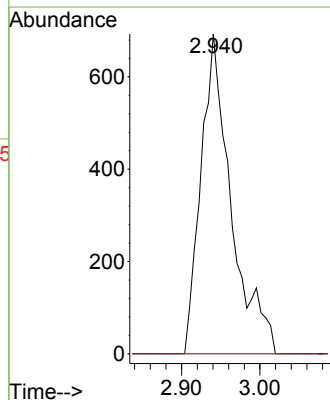
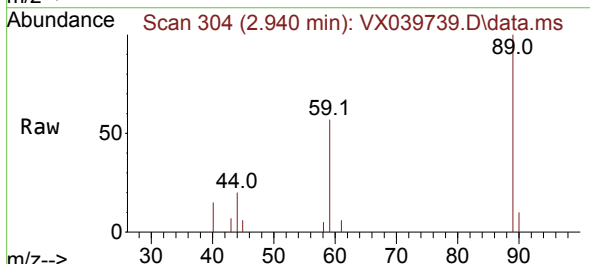
Instrument :
MSVOA_X
ClientSampleId :

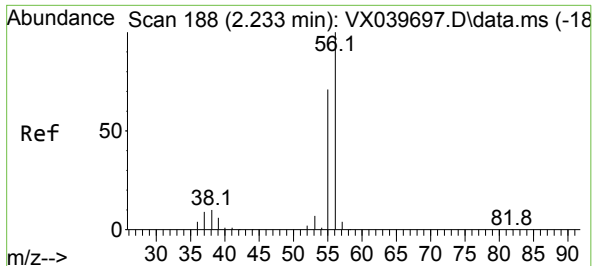
Tgt Ion: 64 Resp: 153
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 4.838 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

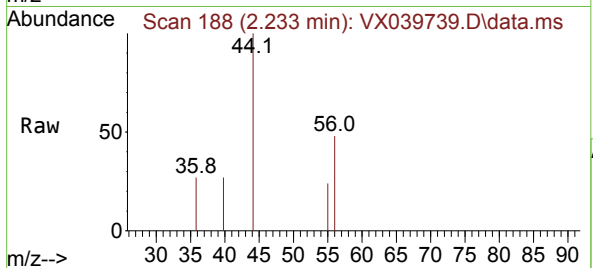
Tgt Ion: 59 Resp: 1857
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



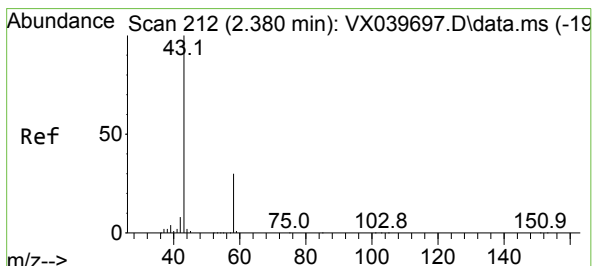
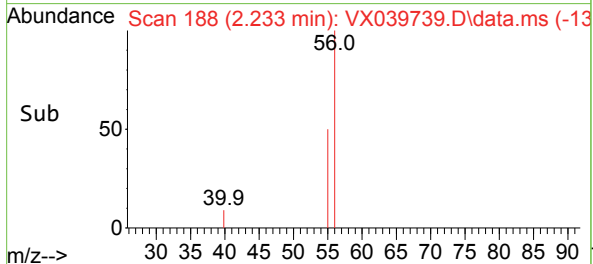
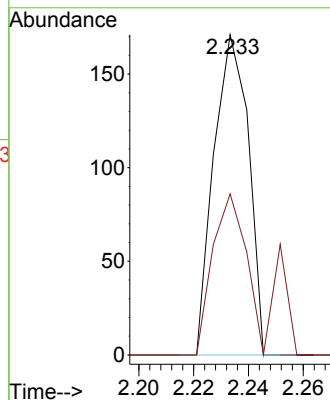


#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Instrument :
MSVOA_X
ClientSampleId :

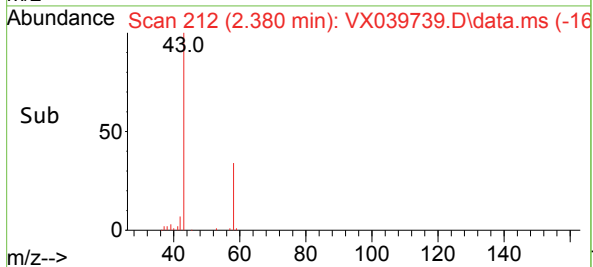
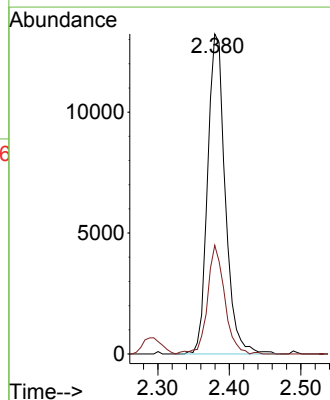
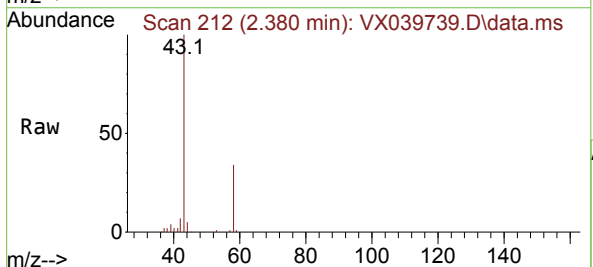


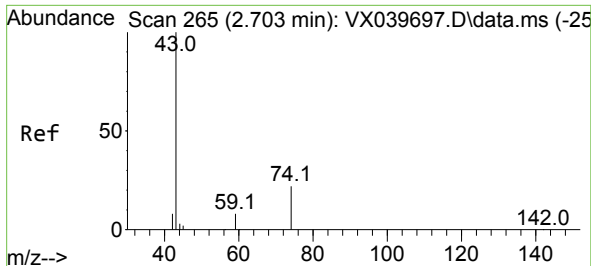
Tgt Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 63.3 57.1 85.7



#16
Acetone
Concen: 27.324 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Tgt Ion: 43 Resp: 22657
Ion Ratio Lower Upper
43 100
58 34.0 21.9 32.9#

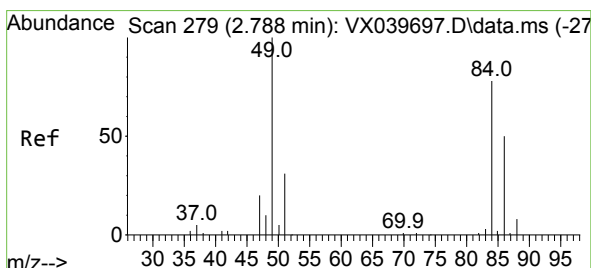
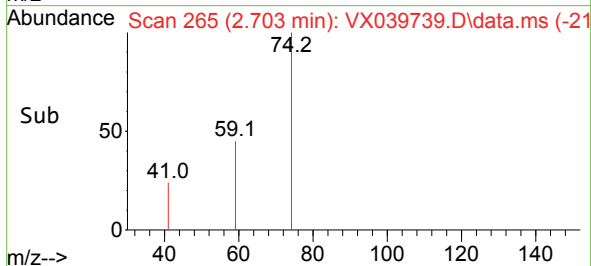
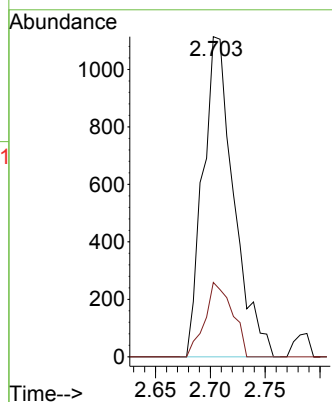
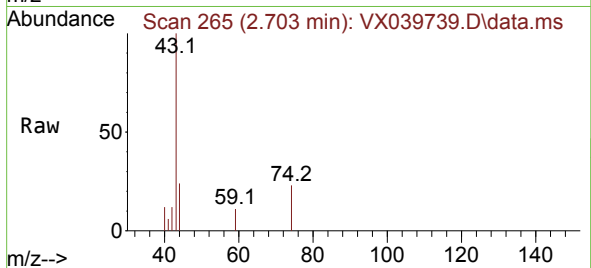




#18
Methyl Acetate
Concen: 1.255 ug/l
RT: 2.703 min Scan# 2177
Delta R.T. 0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

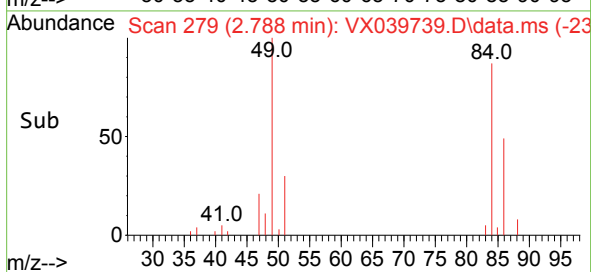
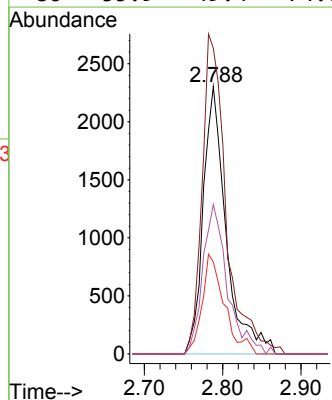
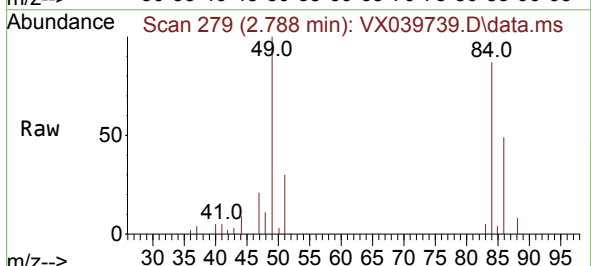
Instrument :
MSVOA_X
ClientSampleId :

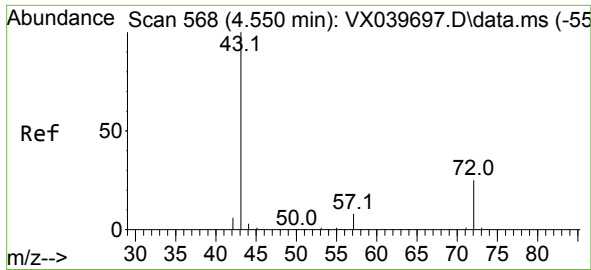
Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	17.8	26.8



#20
Methylene Chloride
Concen: 3.744 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.4	103.6	155.4
51	34.4	33.8	50.6
86	55.9	49.4	74.0

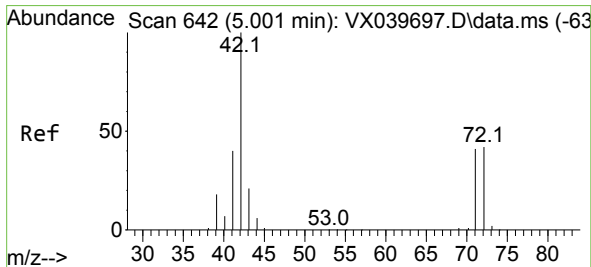
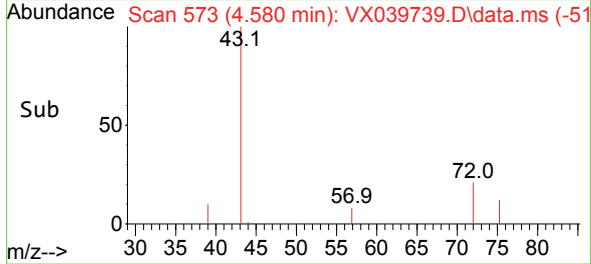
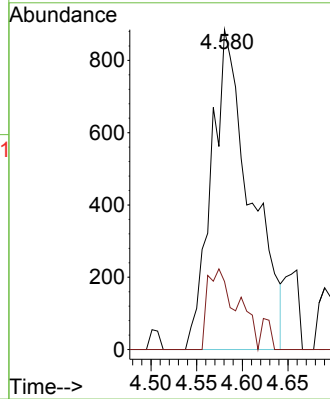
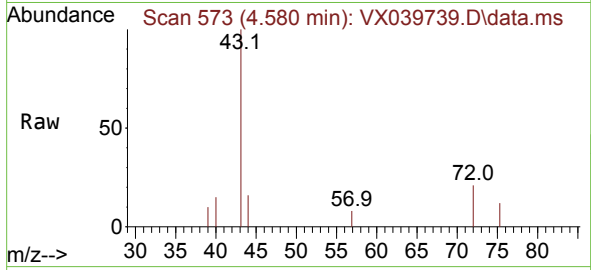




#25
2-Butanone
Concen: 2.215 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

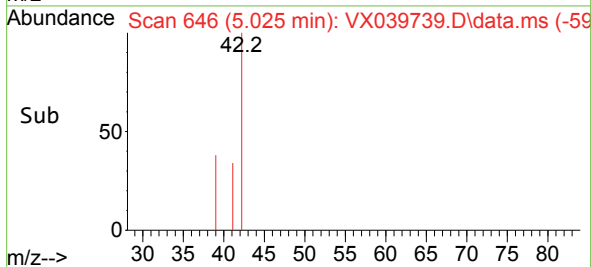
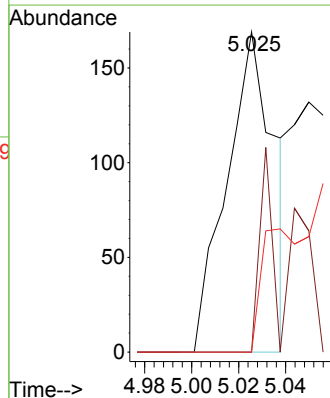
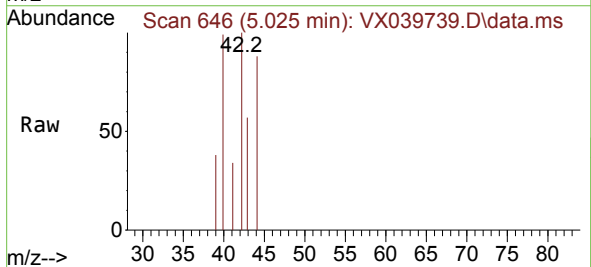
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MSVOA_X
ClientSampleId :

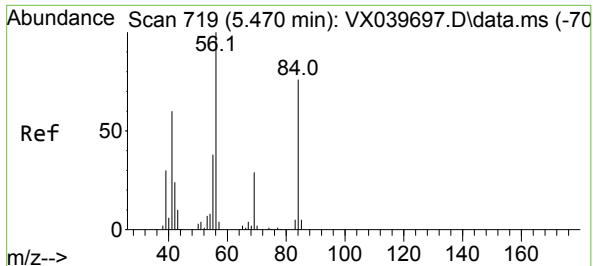
Tgt Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
72 21.2 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

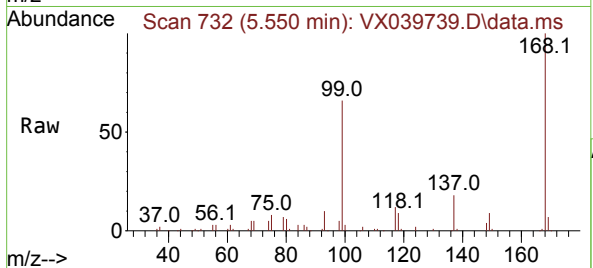
Tgt Ion: 42 Resp: 237
Ion Ratio Lower Upper
42 100
72 16.5 34.2 51.4#
71 0.0 32.2 48.2#



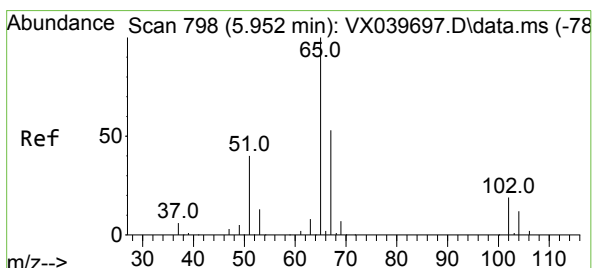
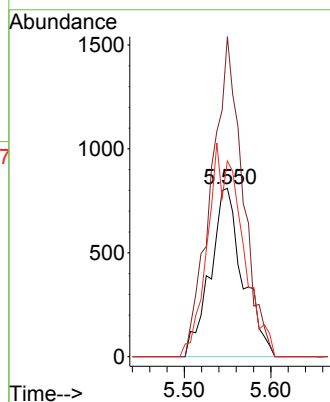
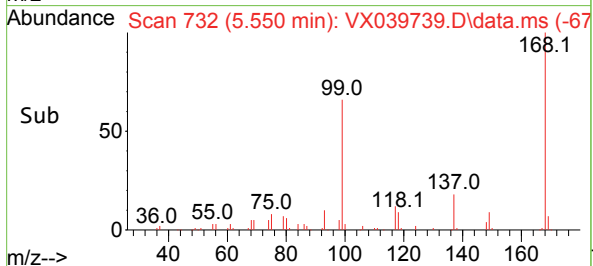


#31
Cyclohexane
Concen: 1.094 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Instrument :
MSVOA_X
ClientSampleId :

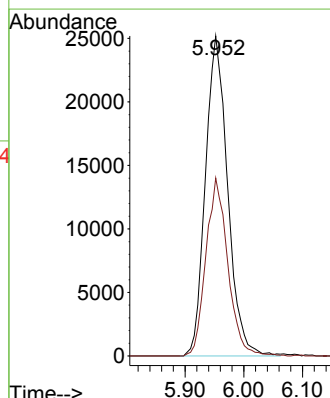
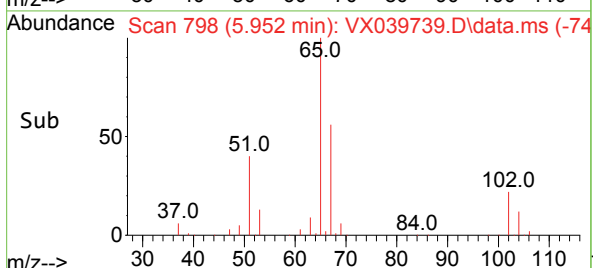
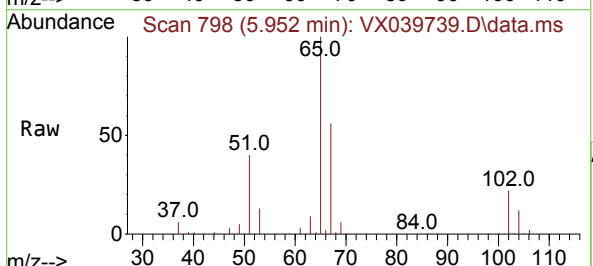


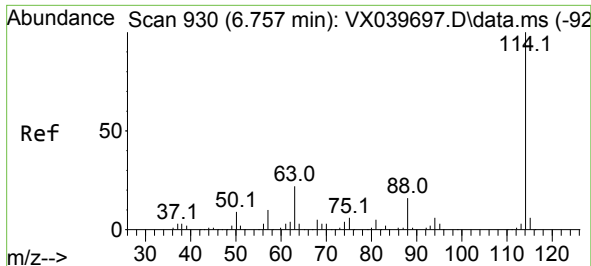
Tgt Ion: 56 Resp: 2129
Ion Ratio Lower Upper
56 100
69 190.1 23.4 35.2#
84 116.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.978 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Tgt Ion: 65 Resp: 66316
Ion Ratio Lower Upper
65 100
67 54.8 0.0 100.2

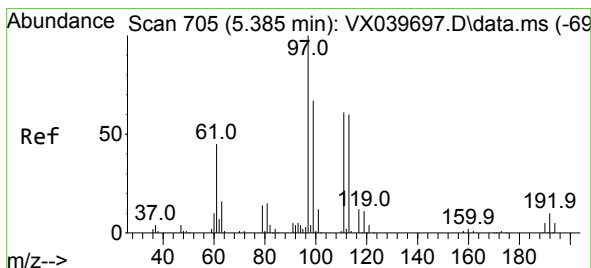
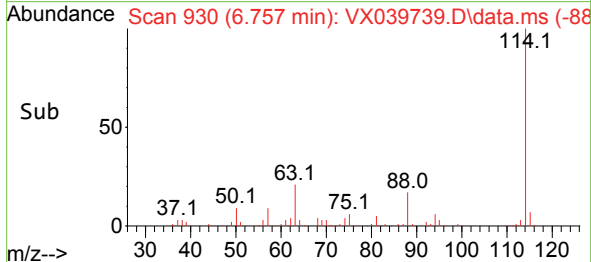
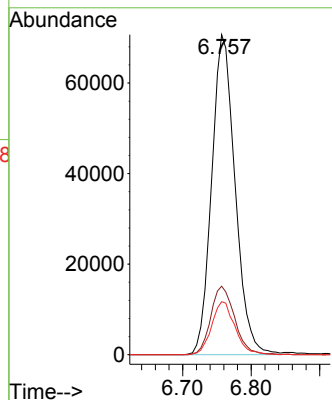
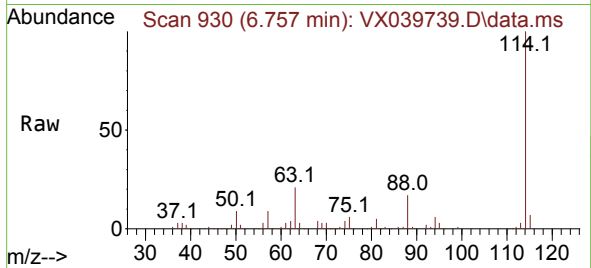




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

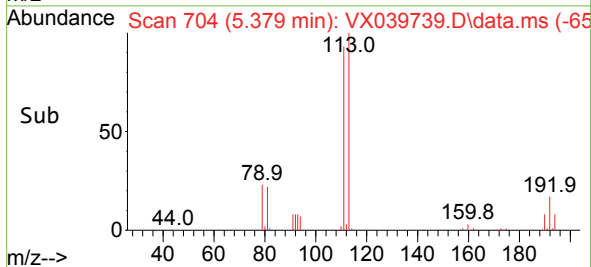
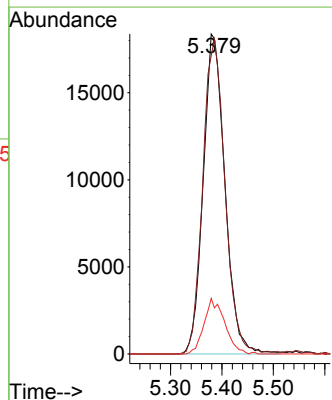
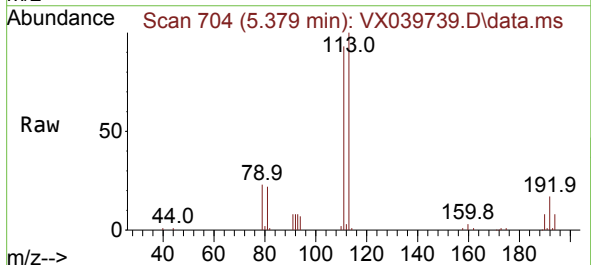
Instrument :
MSVOA_X
ClientSampleId :

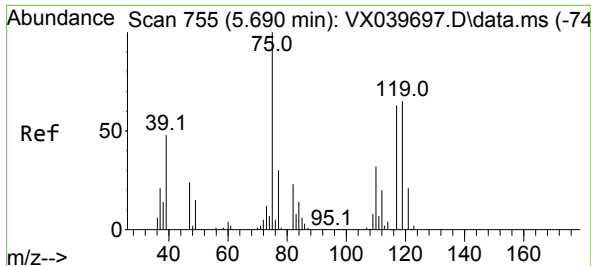
Tgt Ion:114 Resp: 167615
Ion Ratio Lower Upper
114 100
63 21.4 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.775 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

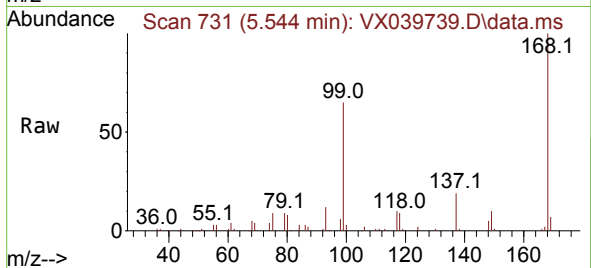
Tgt Ion:113 Resp: 53936
Ion Ratio Lower Upper
113 100
111 100.9 82.9 124.3
192 16.5 13.3 19.9



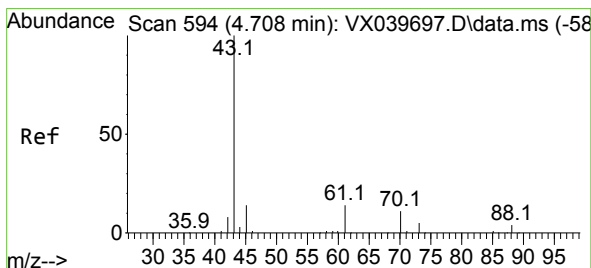
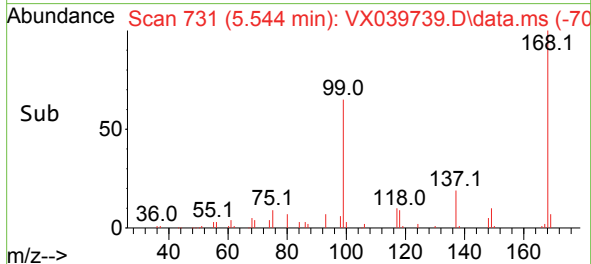
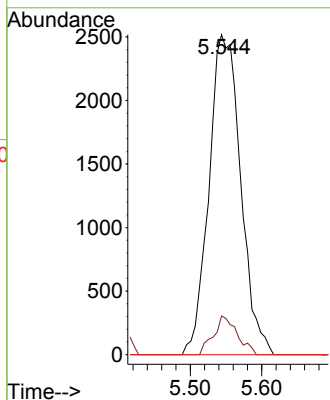


#36
1,1-Dichloropropene
Concen: 4.403 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Instrument :
MSVOA_X
ClientSampleId :

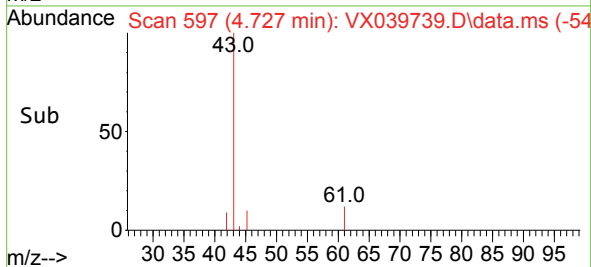
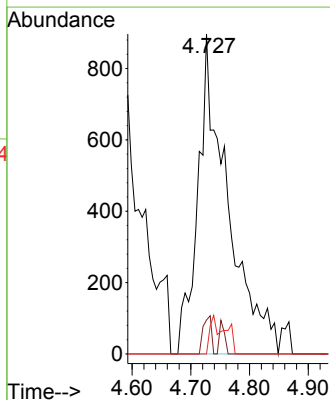
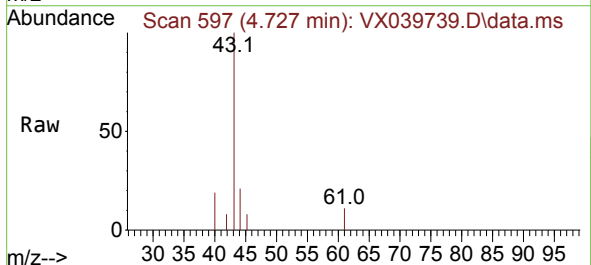


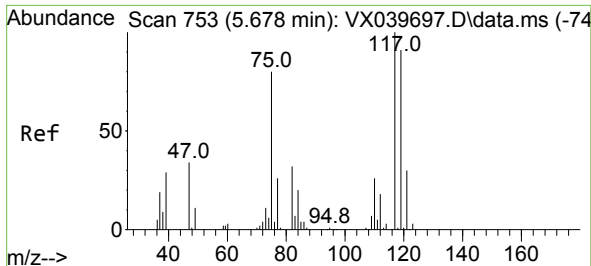
Tgt Ion: 75 Resp: 7737
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.340 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.018 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

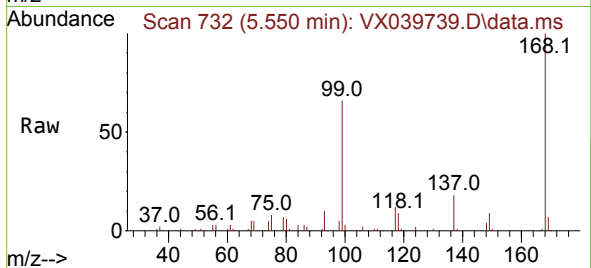
Tgt Ion: 43 Resp: 3141
Ion Ratio Lower Upper
43 100
61 3.2 10.6 16.0#
70 3.5 8.3 12.5#



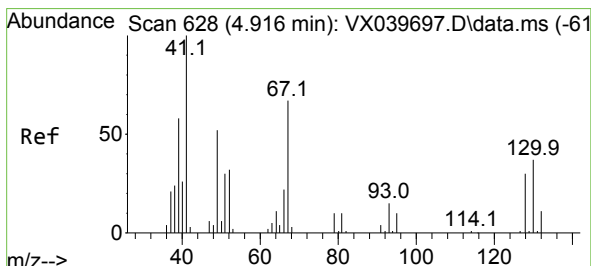
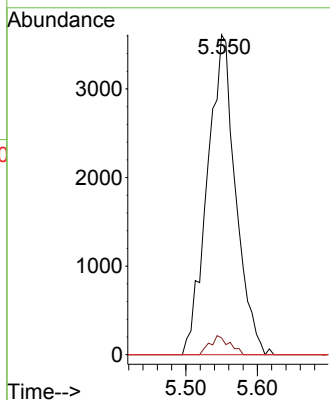
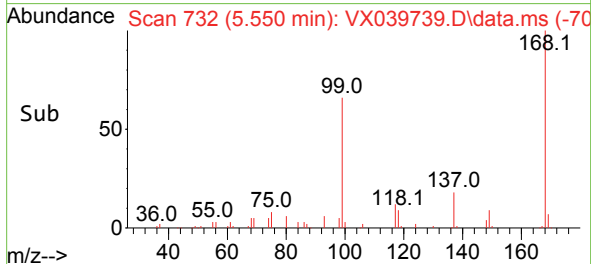


#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Instrument :
MSVOA_X
ClientSampleId :

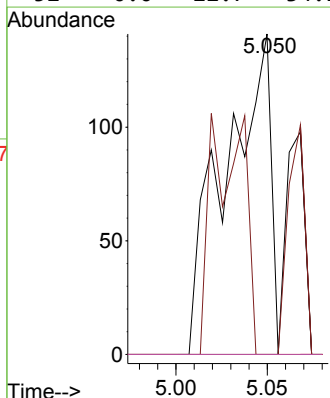
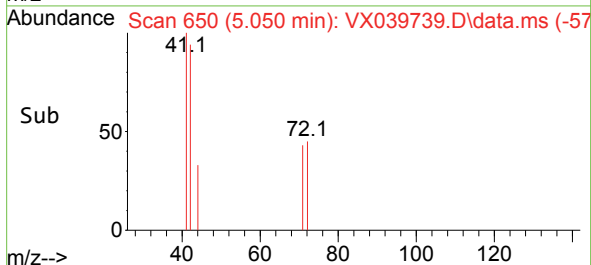
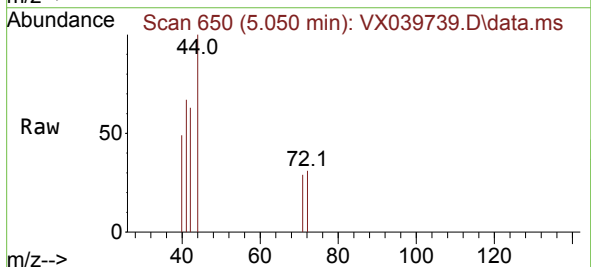


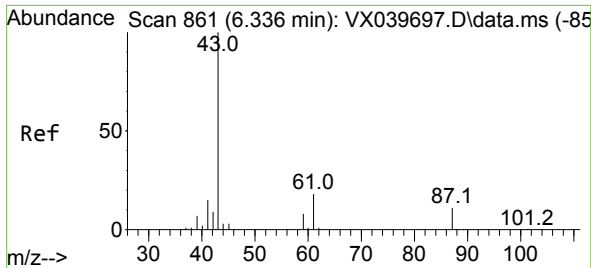
Tgt Ion:117 Resp: 9911
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.211 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.134 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

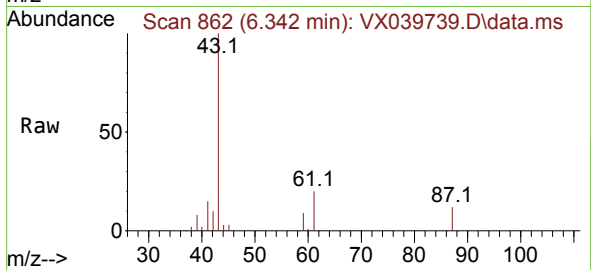
Tgt Ion: 41 Resp: 242
Ion Ratio Lower Upper
41 100
39 26.4 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



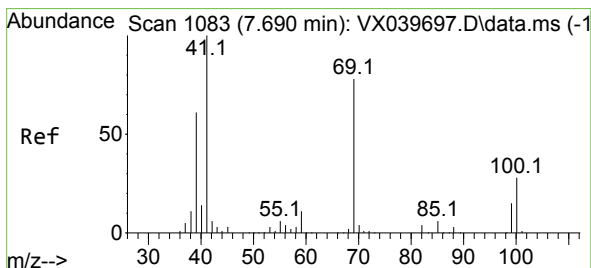
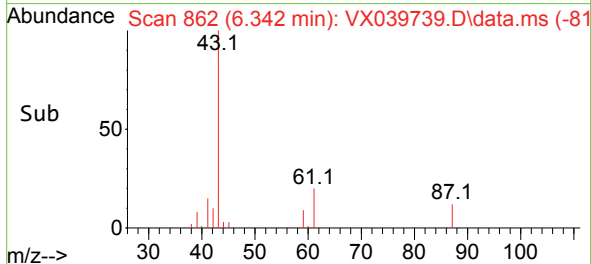
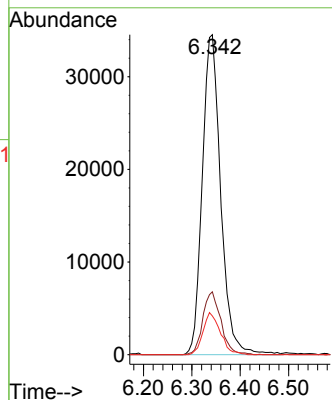


#43
Isopropyl Acetate
Concen: 26.568 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Instrument :
MSVOA_X
ClientSampleId :

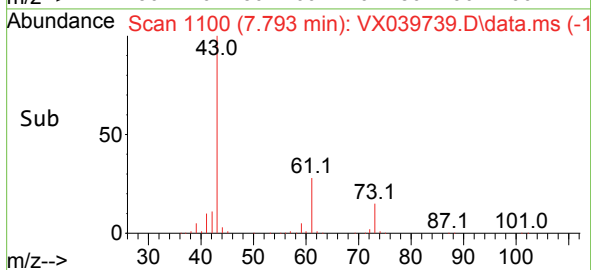
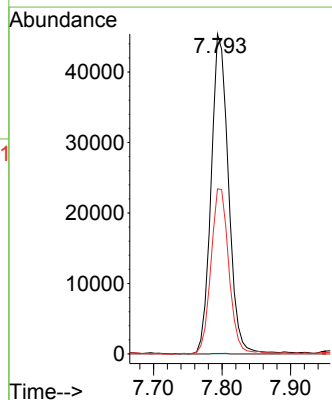
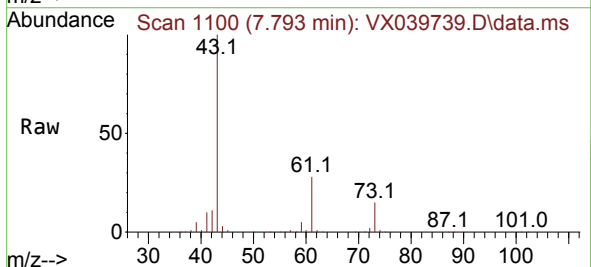


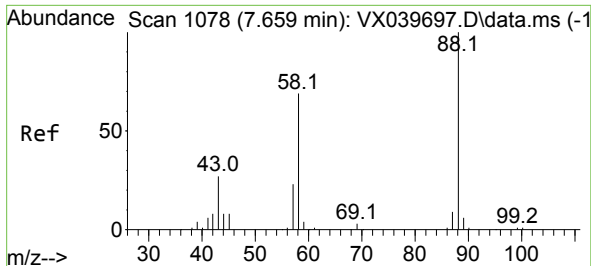
Tgt Ion: 43 Resp: 91367
Ion Ratio Lower Upper
43 100
61 19.3 15.2 22.8
87 12.4 9.8 14.6



#48
Methyl methacrylate
Concen: 47.200 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Tgt Ion: 41 Resp: 79787
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.4 47.7 71.5





#49

1,4-Dioxane

Concen: 4.188 ug/l

RT: 7.781 min Scan# 1098

Delta R.T. 0.122 min

Lab File: VX039739.D

Acq: 12 Jan 2024 16:00

Instrument :

MSVOA_X

ClientSampleId :

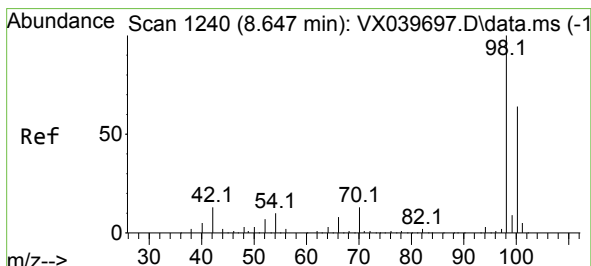
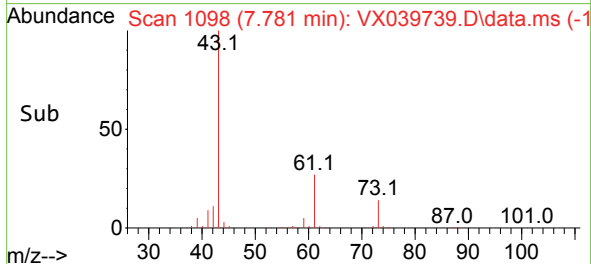
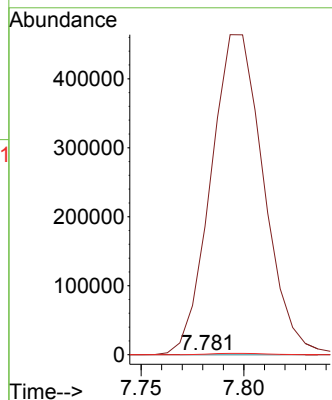
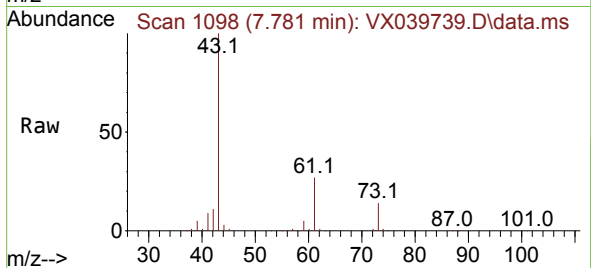
Tgt Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

43 612364.2 0.0 0.0#

58 2661.3 60.1 90.1#



#50

Toluene-d8

Concen: 48.553 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039739.D

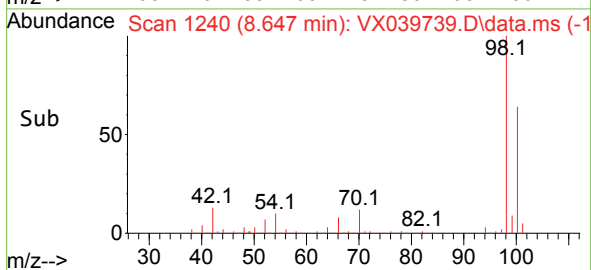
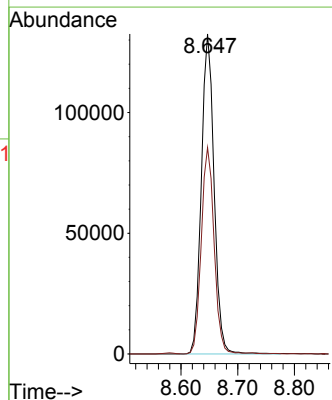
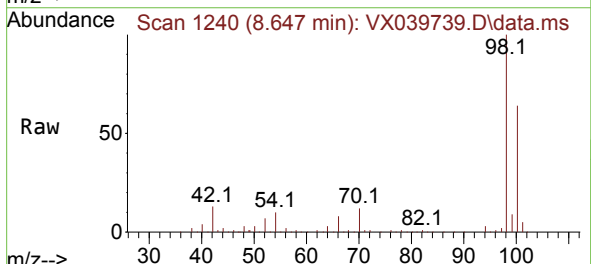
Acq: 12 Jan 2024 16:00

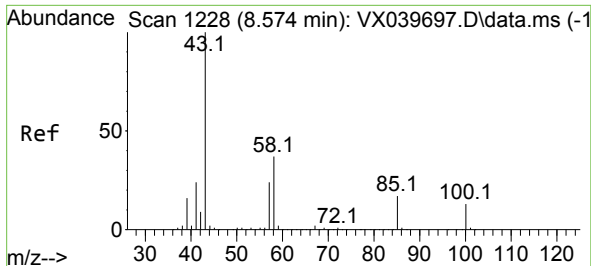
Tgt Ion: 98 Resp: 206735

Ion Ratio Lower Upper

98 100

100 64.9 53.1 79.7

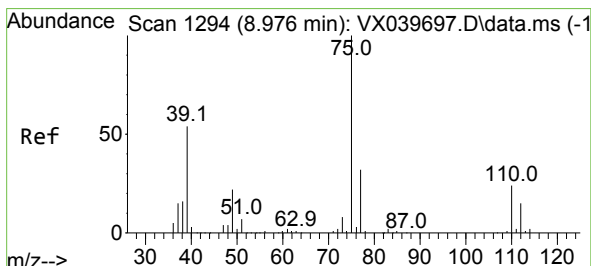
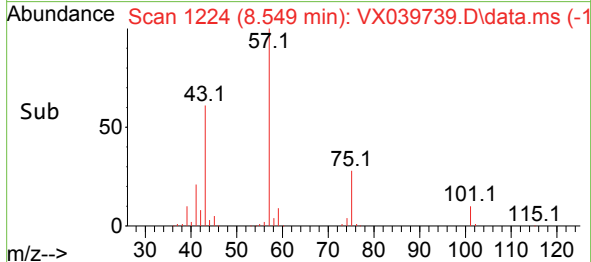
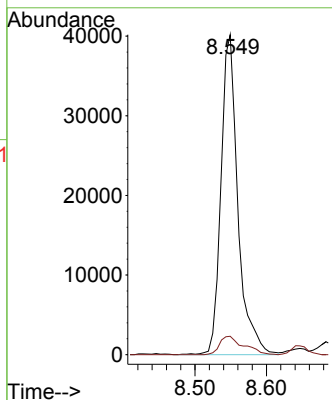
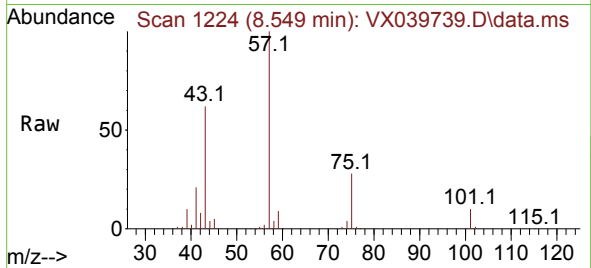




#51
4-Methyl-2-Pentanone
Concen: 27.859 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

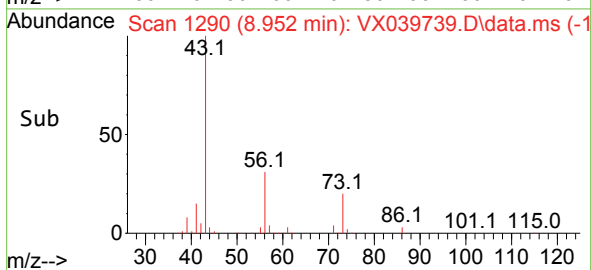
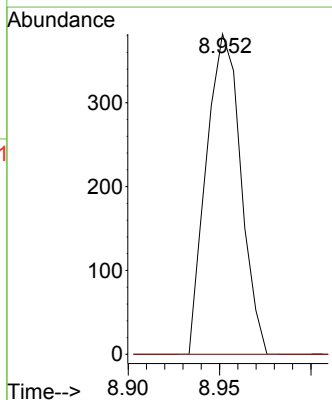
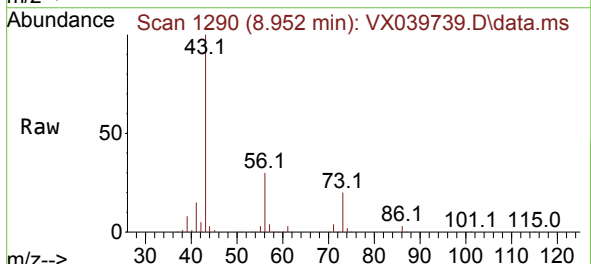
Instrument :
MSVOA_X
ClientSampleId :

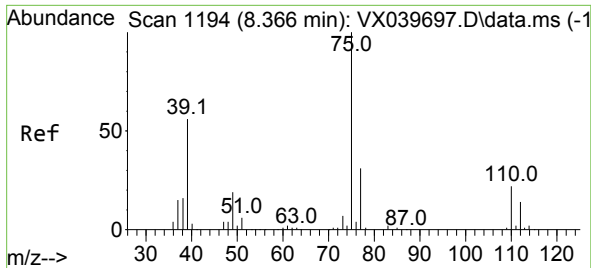
Tgt Ion: 43 Resp: 65984
Ion Ratio Lower Upper
43 100
58 8.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Tgt Ion: 75 Resp: 502
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

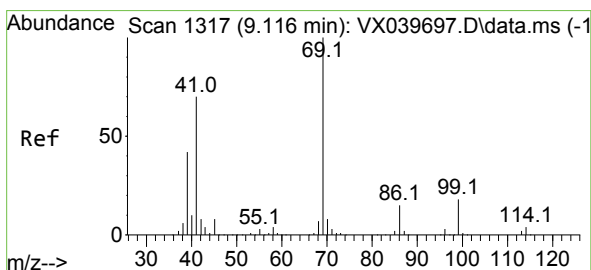
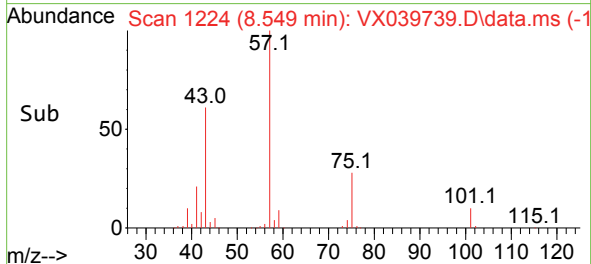
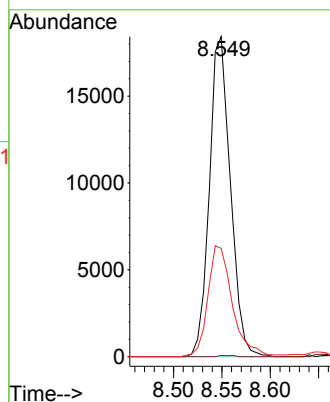
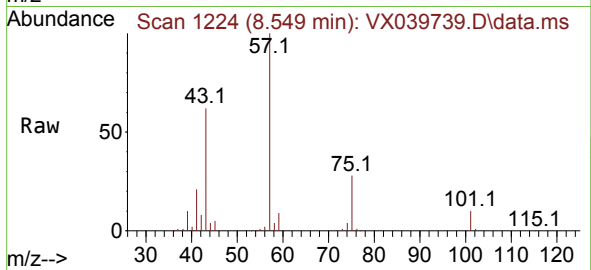




#54
 cis-1,3-Dichloropropene
 Concen: 13.988 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX039739.D
 Acq: 12 Jan 2024 16:00

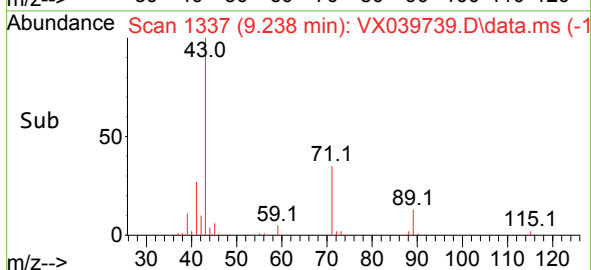
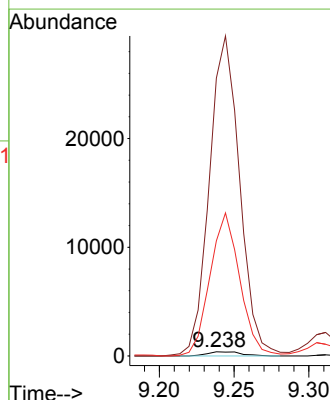
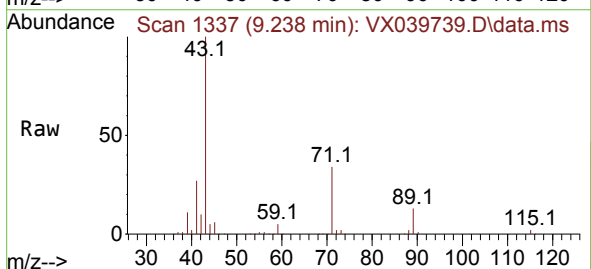
Instrument :
 MSVOA_X
 ClientSampleId :

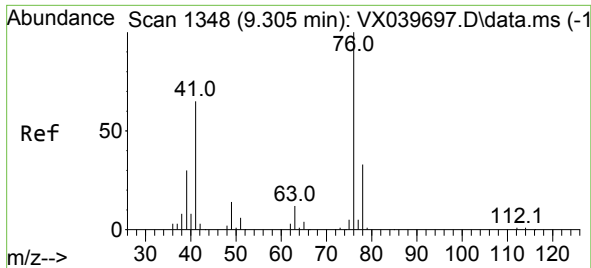
Tgt Ion: 75 Resp: 27868
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 33.8 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.296 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX039739.D
 Acq: 12 Jan 2024 16:00

Tgt Ion: 69 Resp: 607
 Ion Ratio Lower Upper
 69 100
 41 6871.0 56.8 85.2#
 39 3011.5 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.656 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX039739.D

Acq: 12 Jan 2024 16:00

Instrument :

MSVOA_X

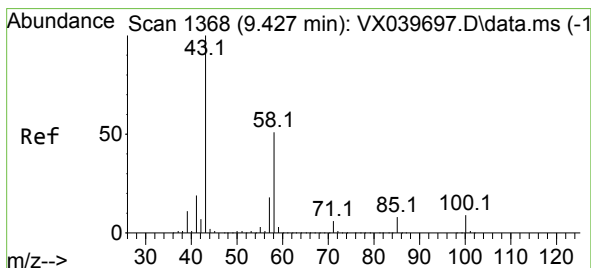
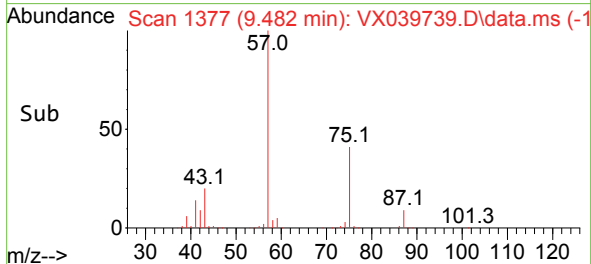
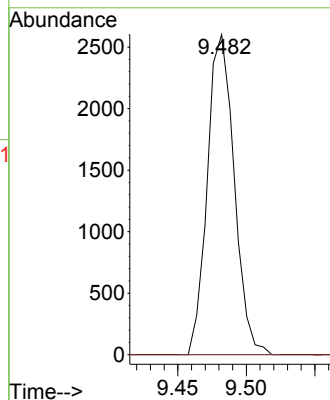
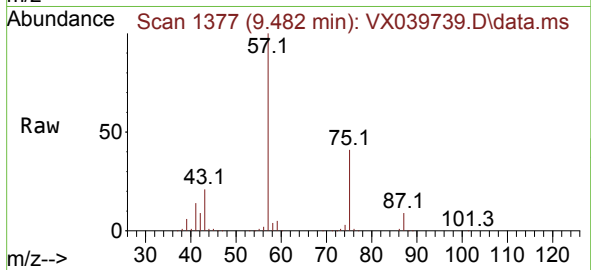
ClientSampleId :

Tgt Ion: 76 Resp: 3551

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.382 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX039739.D

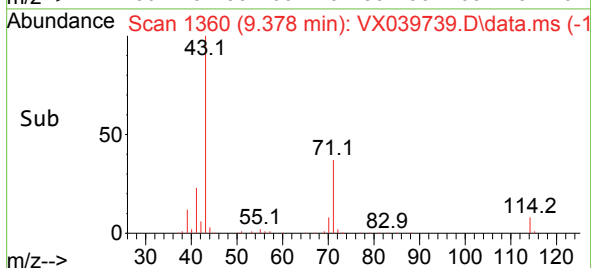
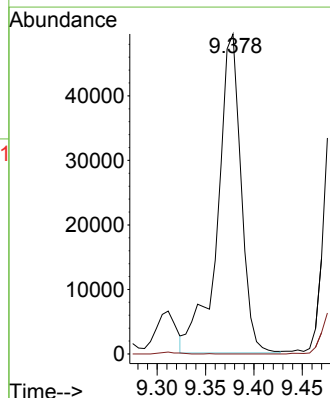
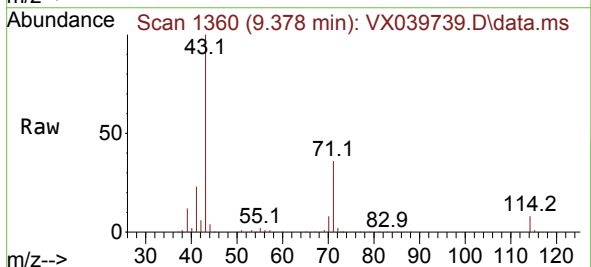
Acq: 12 Jan 2024 16:00

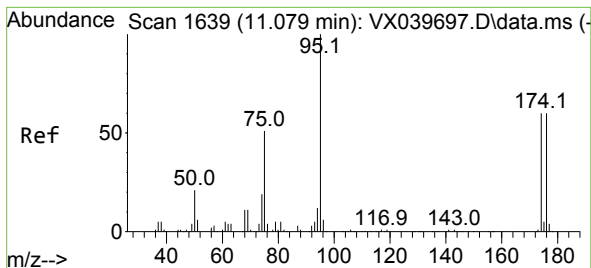
Tgt Ion: 43 Resp: 83195

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

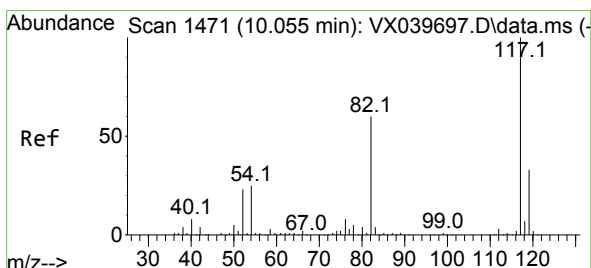
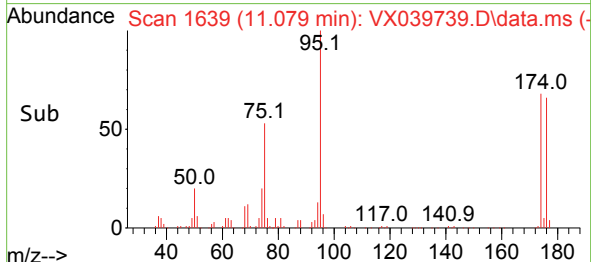
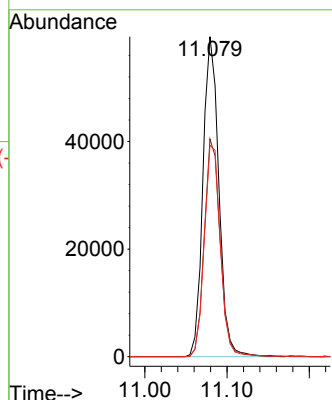
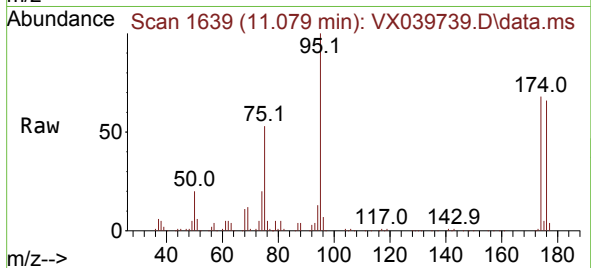




#62
4-Bromofluorobenzene
Concen: 47.916 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

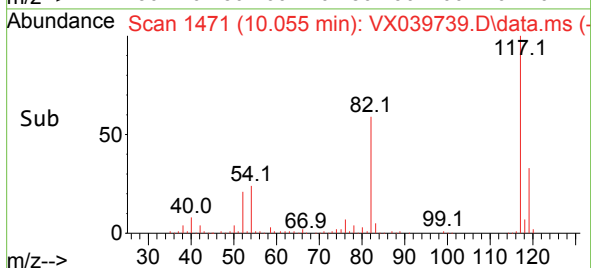
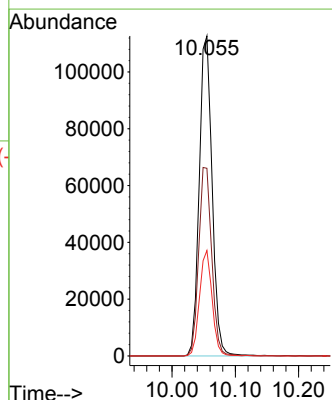
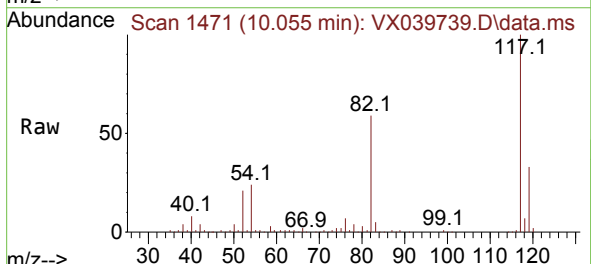
Instrument :
MSVOA_X
ClientSampleId :

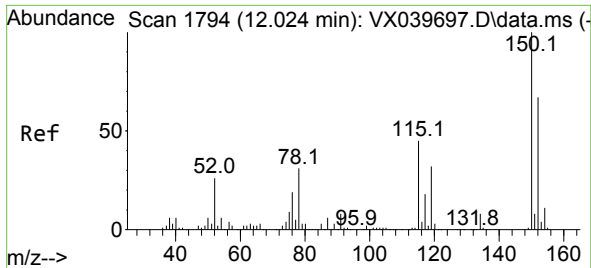
Tgt Ion: 95 Resp: 79783
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.6
176 67.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Tgt Ion: 117 Resp: 159911
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.4
119 32.9 25.5 38.3

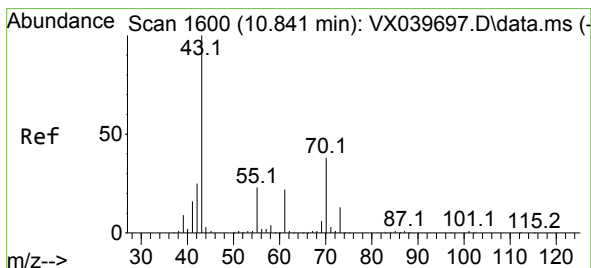
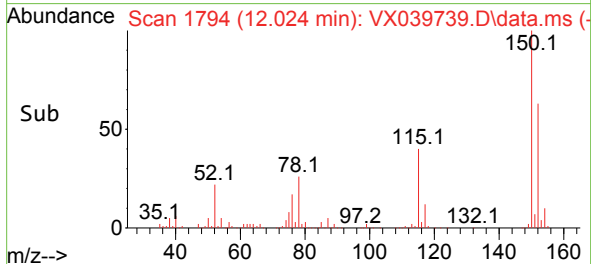
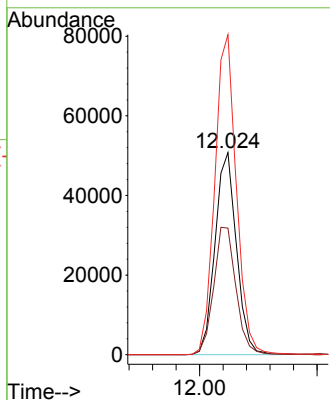
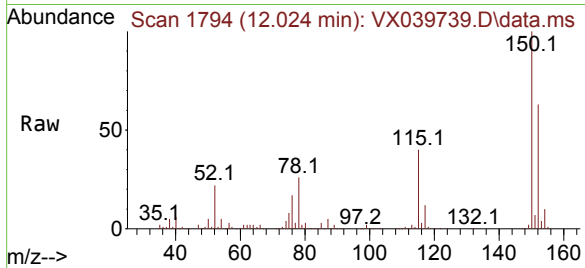




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

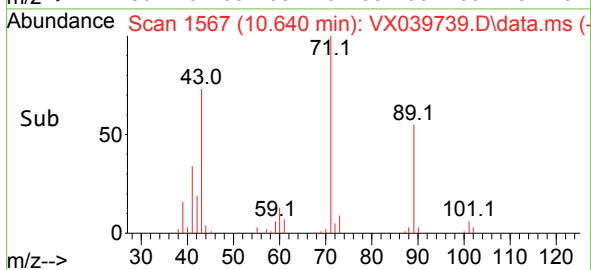
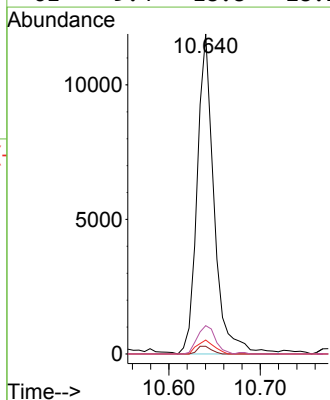
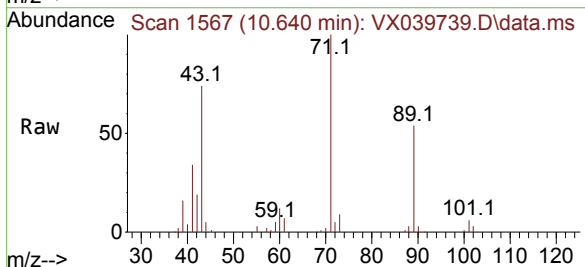
Instrument :
MSVOA_X
ClientSampleId :

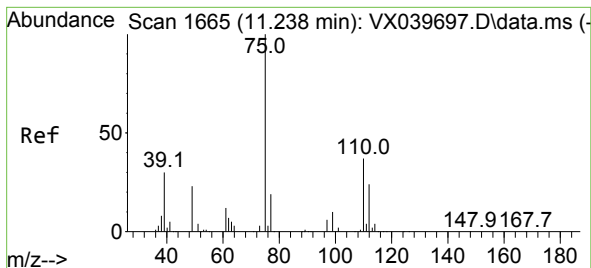
Tgt Ion:152 Resp: 64401
Ion Ratio Lower Upper
152 100
115 65.7 43.3 129.9
150 159.2 0.0 345.0



#74
N-ethyl acetate
Concen: 5.733 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX039739.D
Acq: 12 Jan 2024 16:00

Tgt Ion: 43 Resp: 15322
Ion Ratio Lower Upper
43 100
70 2.0 32.9 49.3#
55 4.3 19.3 28.9#
61 9.4 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.189 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039739.D

Acq: 12 Jan 2024 16:00

Instrument :

MSVOA_X

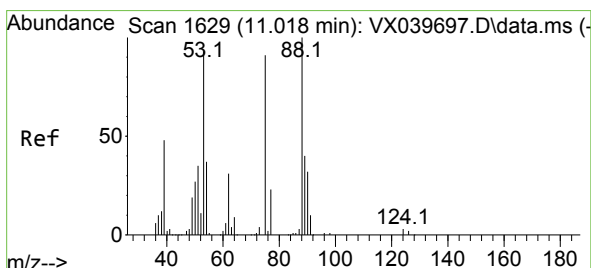
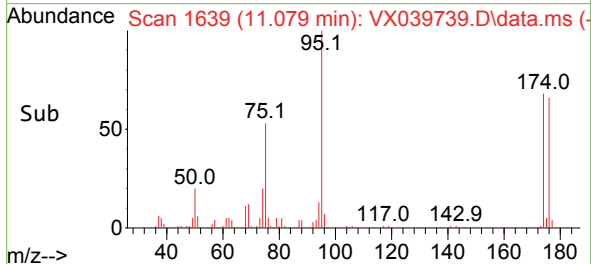
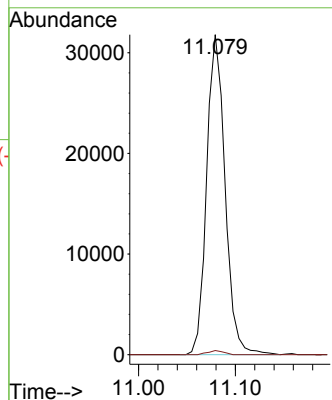
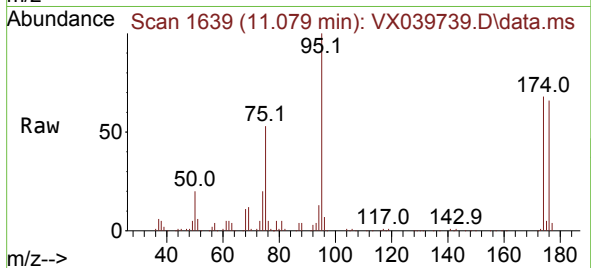
ClientSampleId :

Tgt Ion: 75 Resp: 42057

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.978 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039739.D

Acq: 12 Jan 2024 16:00

Tgt Ion: 75 Resp: 42057

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

