

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039860.D
 Acq On : 19 Jan 2024 23:54
 Operator : JC/MD
 Sample : PB158526ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#03

Quant Time: Jan 20 03:55:02 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	82134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65833	47.848	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.700%
35) Dibromofluoromethane	5.385	113	50502	48.979	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.960%
50) Toluene-d8	8.647	98	193834	49.844	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.680%
62) 4-Bromofluorobenzene	11.079	95	77656	51.066	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	557	1.555	ug/l #	78
13) Acrolein	2.203	56	19	Below Cal	#	14
16) Acetone	2.374	43	18207	23.530	ug/l	99
18) Methyl Acetate	2.709	43	769	0.475	ug/l	98
20) Methylene Chloride	2.788	84	3987	3.406	ug/l	91
25) 2-Butanone	4.574	43	2669	2.400	ug/l #	81
29) Tetrahydrofuran	5.026	42	354	0.495	ug/l #	48
31) Cyclohexane	5.562	56	2281	1.256	ug/l #	45
36) 1,1-Dichloropropene	5.544	75	7567	4.715	ug/l #	50
37) Ethyl Acetate	4.733	43	2335	1.091	ug/l #	86
38) Carbon Tetrachloride	5.550	117	9423	6.410	ug/l #	15
43) Isopropyl Acetate	6.336	43	80938	25.769	ug/l	98
48) Methyl methacrylate	7.793	41	73153	47.383	ug/l #	49
49) 1,4-Dioxane	7.793	88	51	1.707	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	59404	27.462	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	483	0.292	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24531	13.481	ug/l #	59
56) Ethyl methacrylate	9.244	69	600	0.321	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3129	1.598	ug/l #	42
59) 2-Hexanone	9.482	43	47082	27.501	ug/l #	52
74) N-amyl acetate	10.640	43	14483	4.662	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	43064	22.189	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	43064	64.332	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	686	0.446	ug/l	85

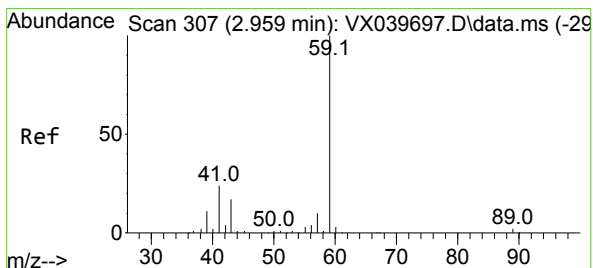
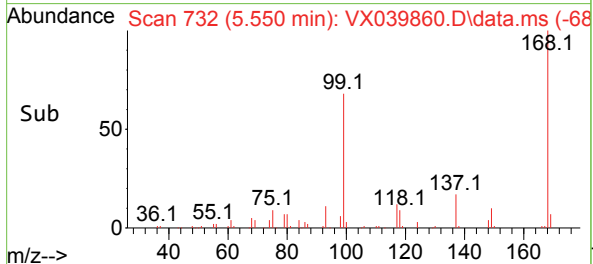
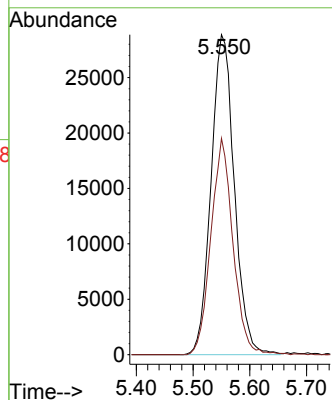
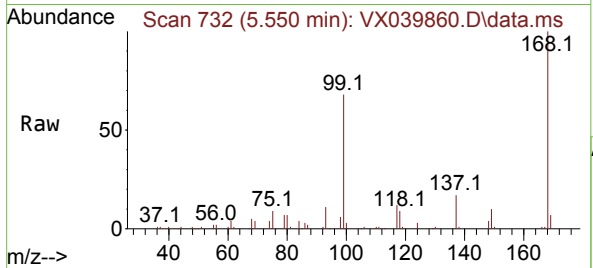
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

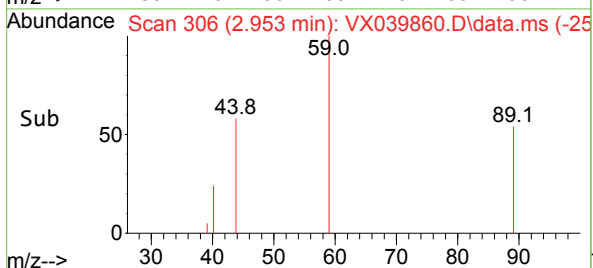
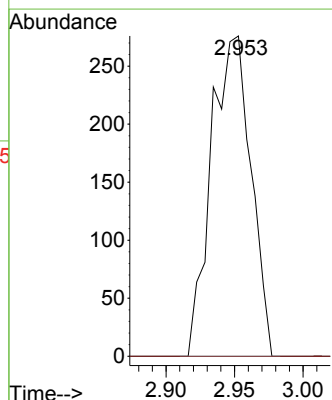
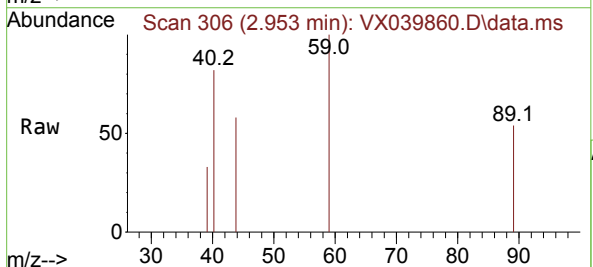
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

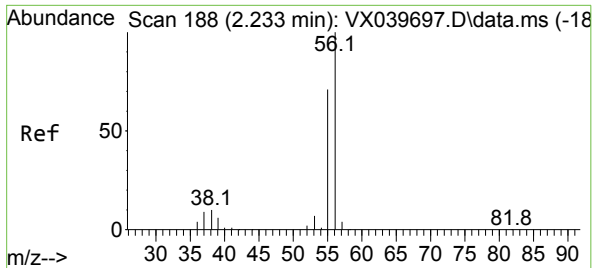
Tgt Ion:168 Resp: 82134
Ion Ratio Lower Upper
168 100
99 67.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.555 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion: 59 Resp: 557
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

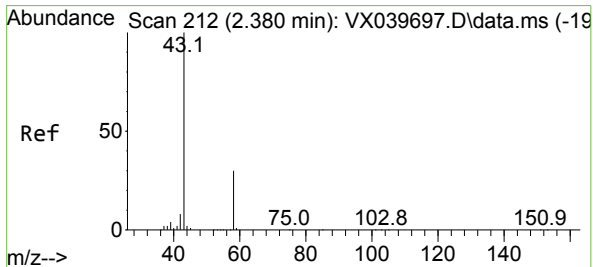
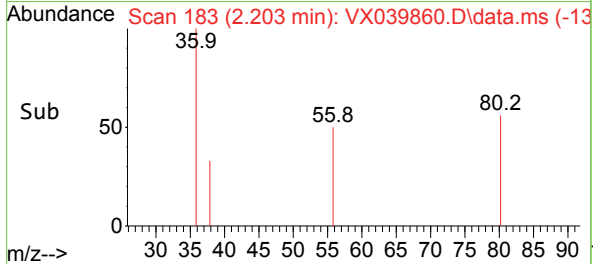
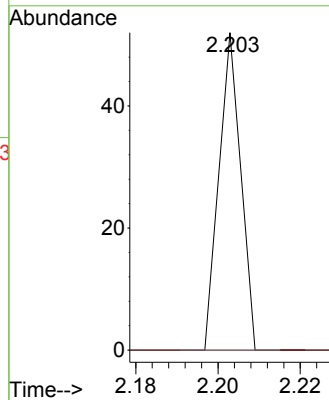
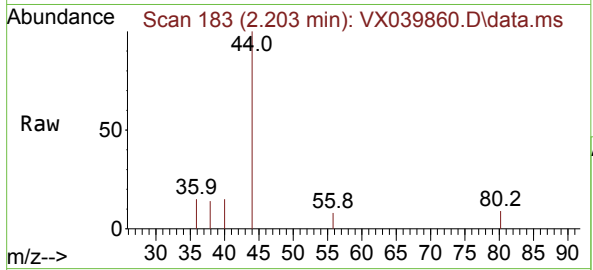




#13
Acrolein
Concen: Below Cal
RT: 2.203 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

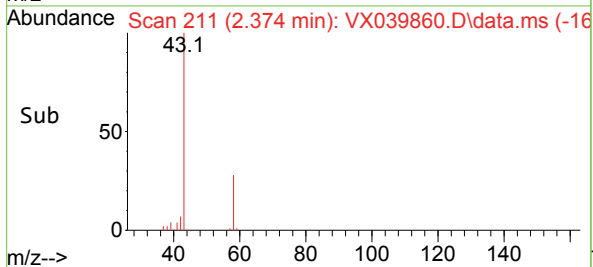
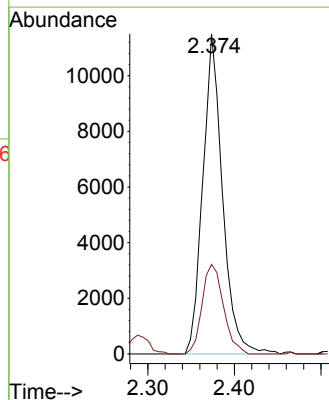
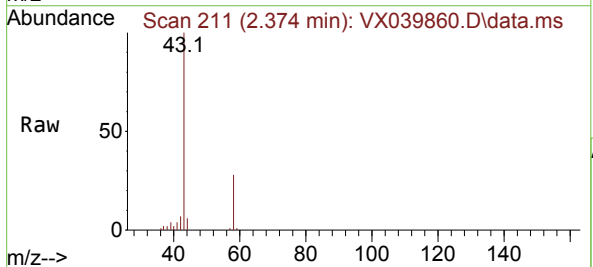
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

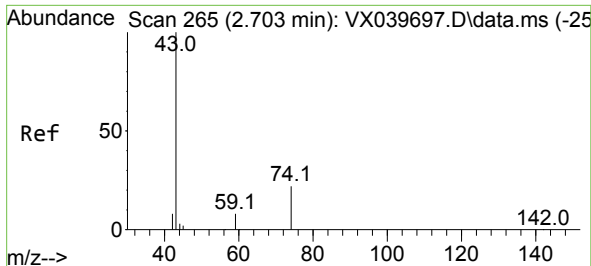
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 23.530 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion: 43 Resp: 18207
Ion Ratio Lower Upper
43 100
58 28.0 21.9 32.9

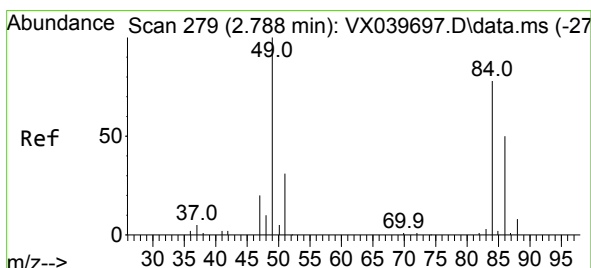
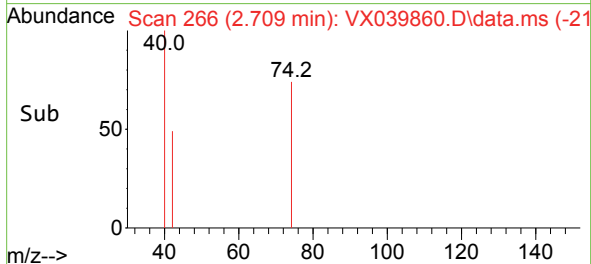
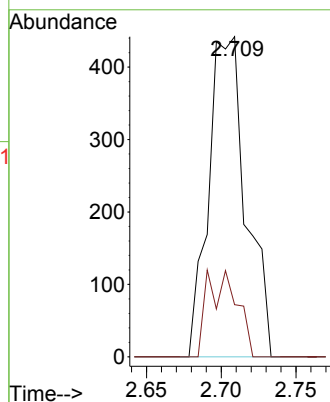
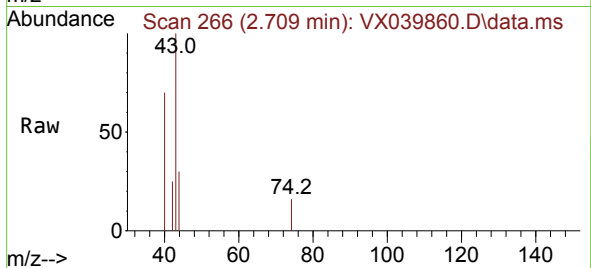




#18
Methyl Acetate
Concen: 0.475 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

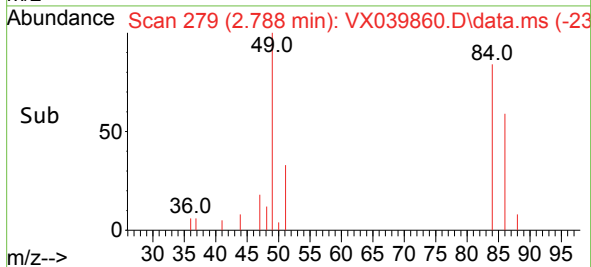
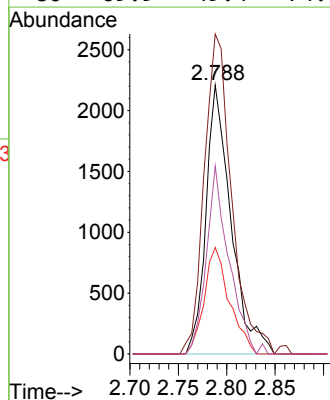
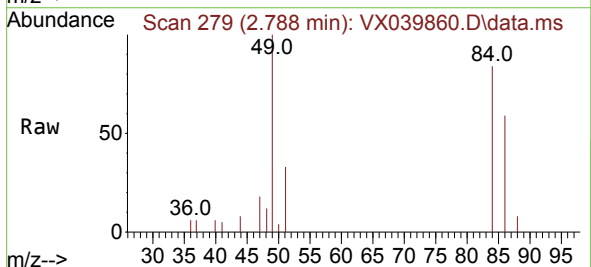
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

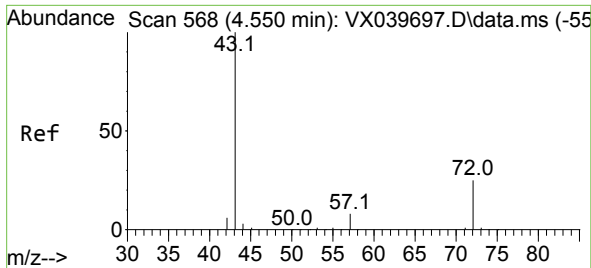
Tgt Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
74 21.2 17.8 26.8



#20
Methylene Chloride
Concen: 3.406 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion: 84 Resp: 3987
Ion Ratio Lower Upper
84 100
49 119.1 103.6 155.4
51 39.6 33.8 50.6
86 69.9 49.4 74.0

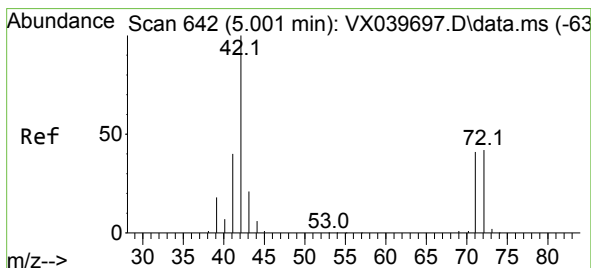
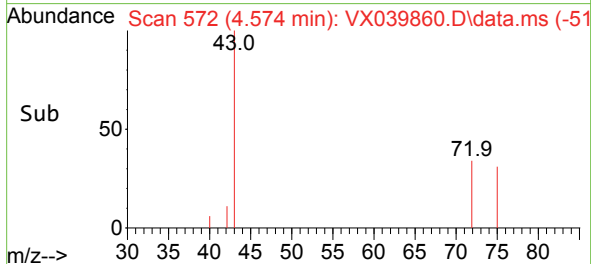
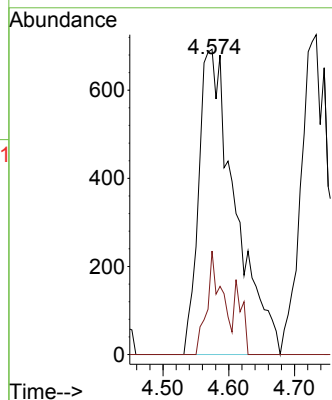
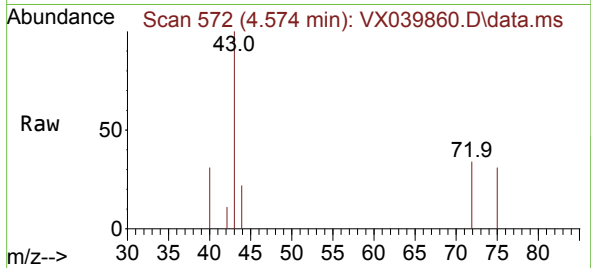




#25
2-Butanone
Concen: 2.400 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

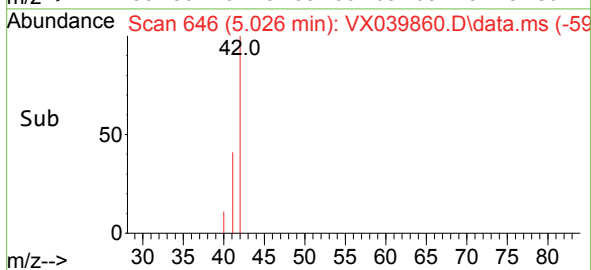
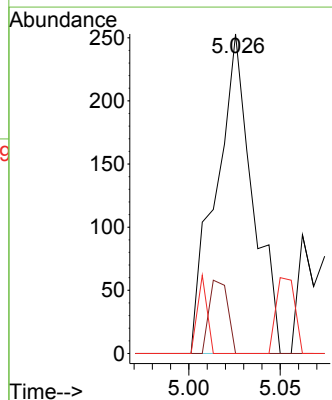
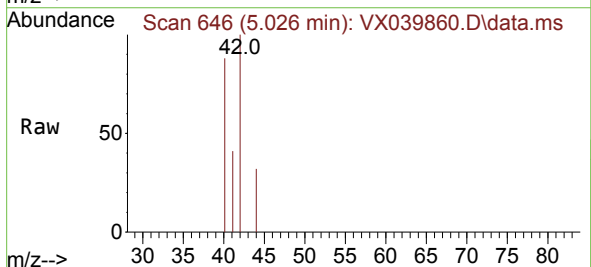
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

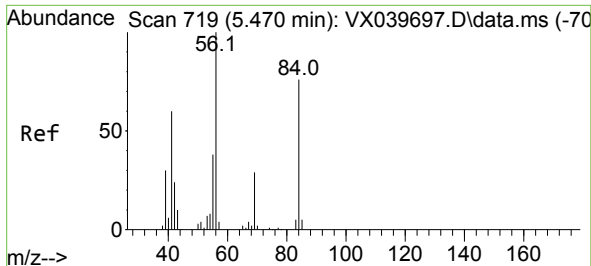
Tgt Ion: 43 Resp: 2669
Ion Ratio Lower Upper
43 100
72 33.9 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.495 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

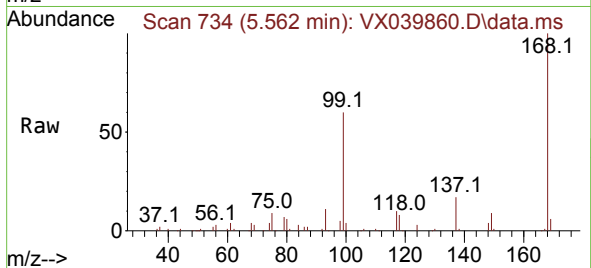
Tgt Ion: 42 Resp: 354
Ion Ratio Lower Upper
42 100
72 11.6 34.2 51.4#
71 6.5 32.2 48.2#



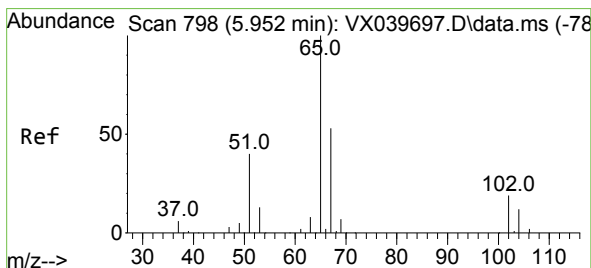
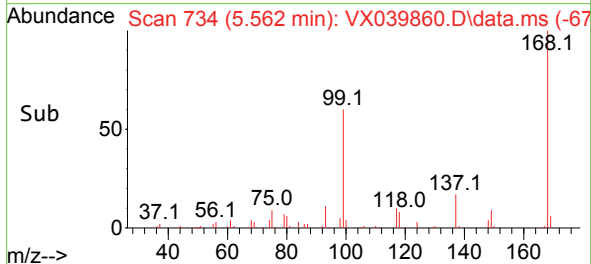
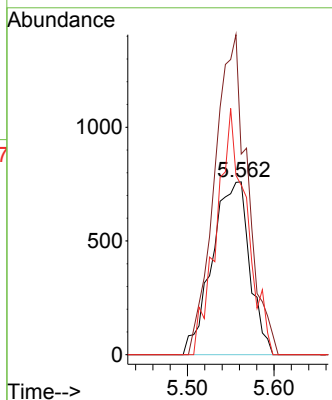


#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

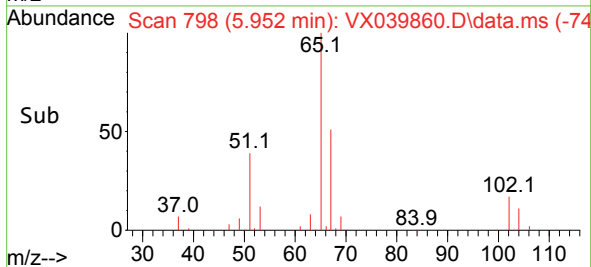
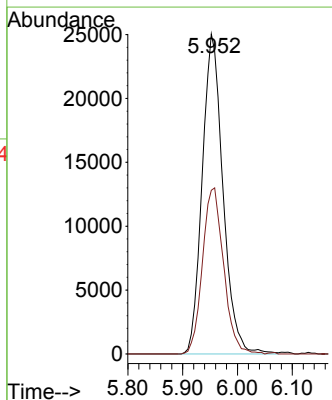
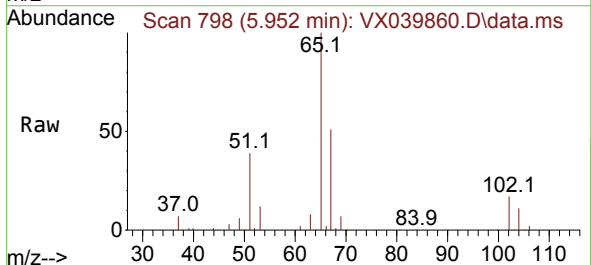


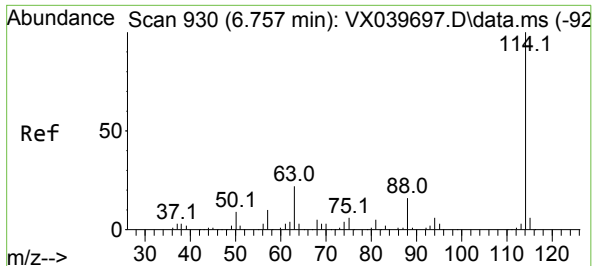
Tgt Ion: 56 Resp: 2281
Ion Ratio Lower Upper
56 100
69 116.1 23.4 35.2#
84 98.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 47.848 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion: 65 Resp: 65833
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

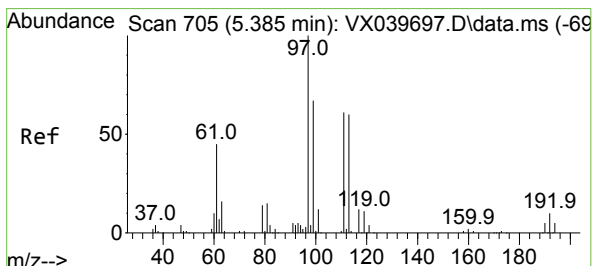
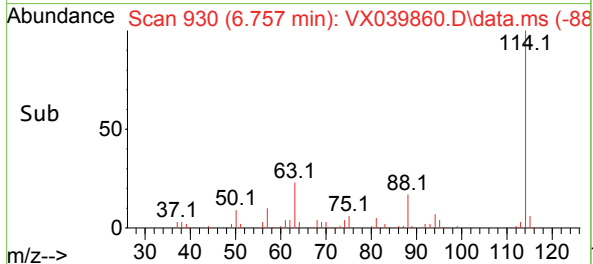
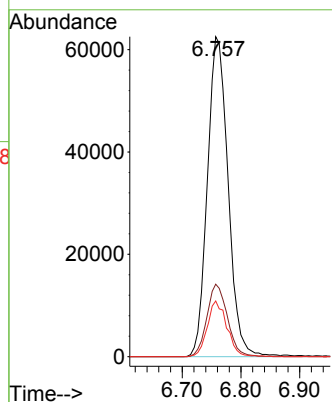
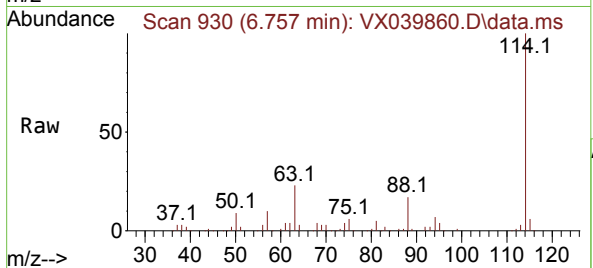




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

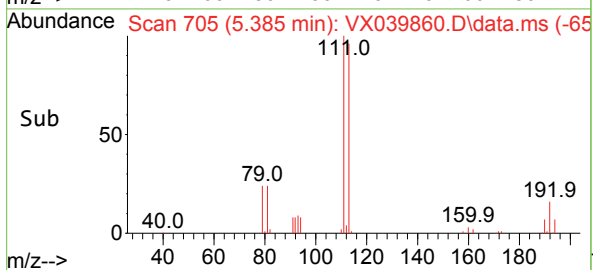
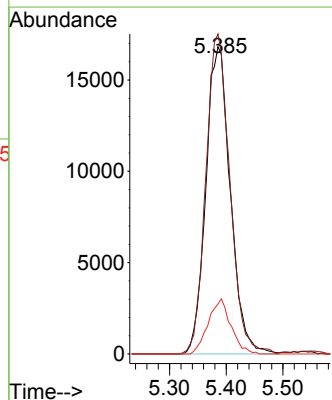
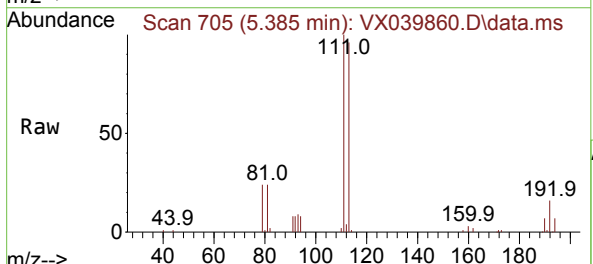
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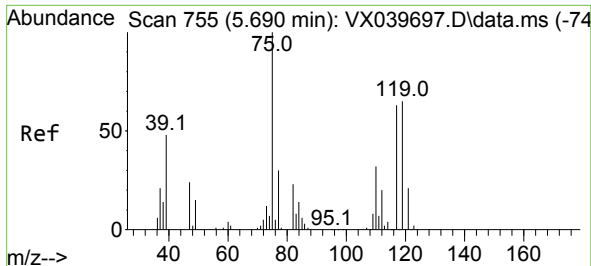
Tgt Ion:114 Resp: 153084
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.0
88 17.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.979 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

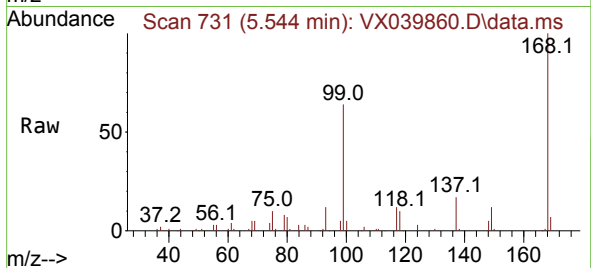
Tgt Ion:113 Resp: 50502
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 16.6 13.3 19.9



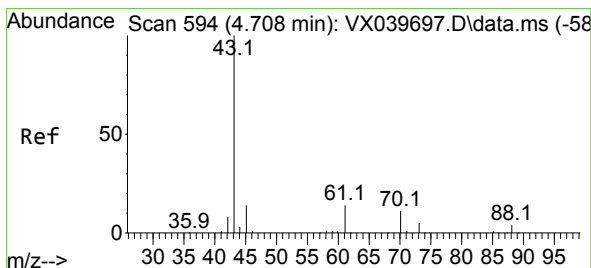
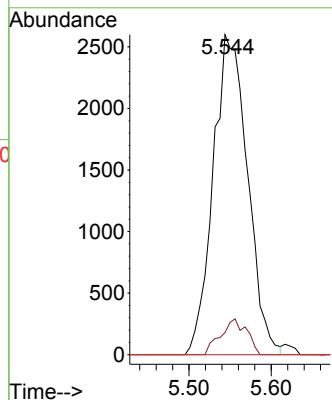
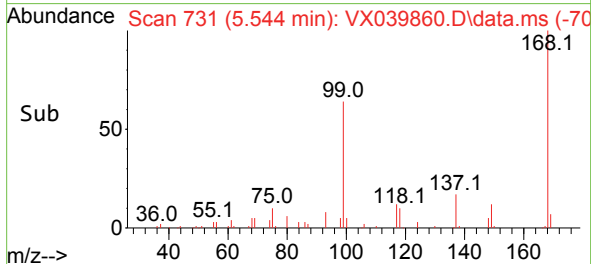


#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 5.544 min Scan# 71
 Delta R.T. -0.146 min
 Lab File: VX039860.D
 Acq: 19 Jan 2024 23:54

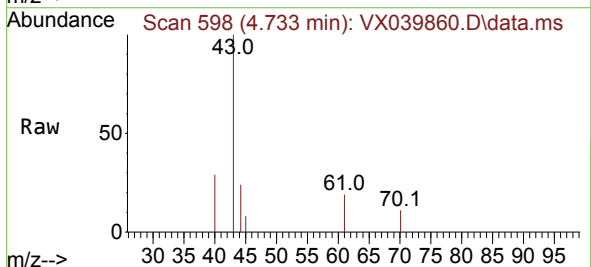
Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#03



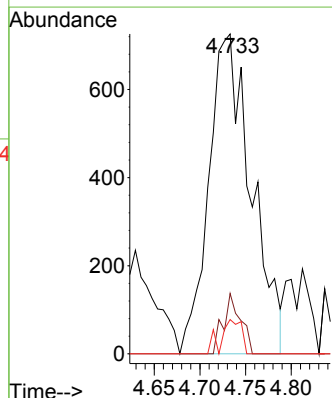
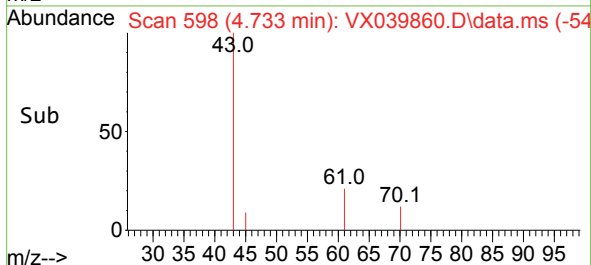
Tgt Ion: 75 Resp: 7567
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.0 50.9#
 77 0.0 24.7 37.1#

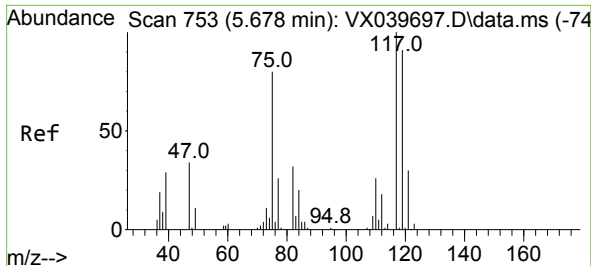


#37
 Ethyl Acetate
 Concen: 1.091 ug/l
 RT: 4.733 min Scan# 598
 Delta R.T. 0.024 min
 Lab File: VX039860.D
 Acq: 19 Jan 2024 23:54



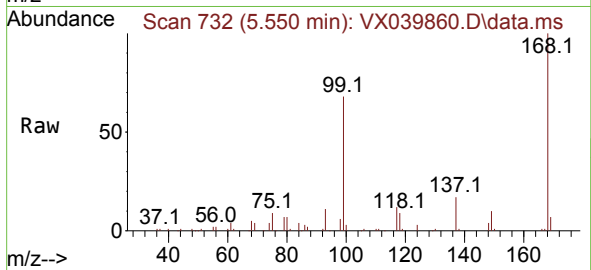
Tgt Ion: 43 Resp: 2335
 Ion Ratio Lower Upper
 43 100
 61 7.8 10.6 16.0#
 70 5.1 8.3 12.5#



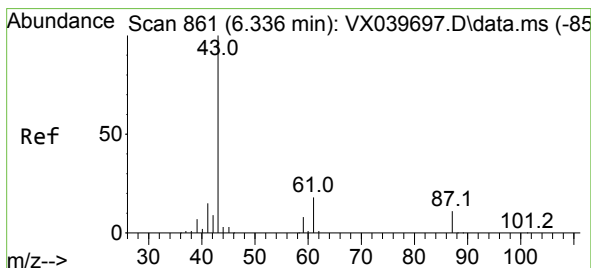
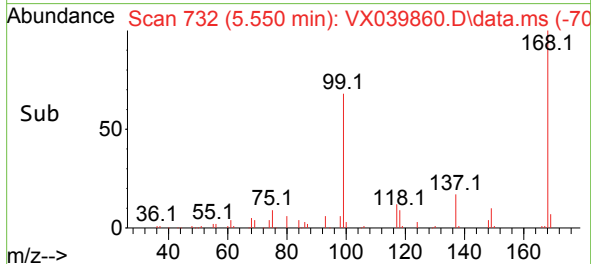
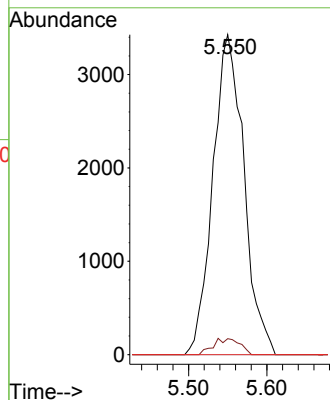


#38
Carbon Tetrachloride
Concen: 6.410 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

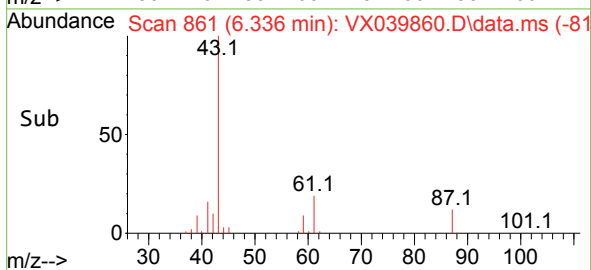
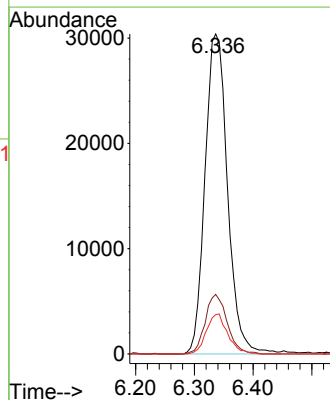
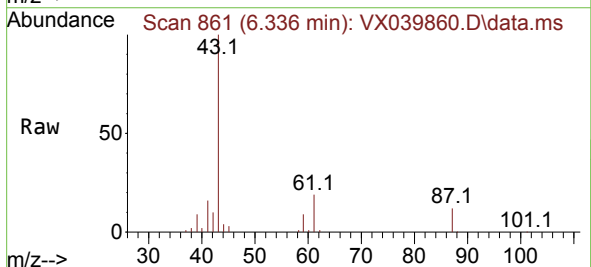


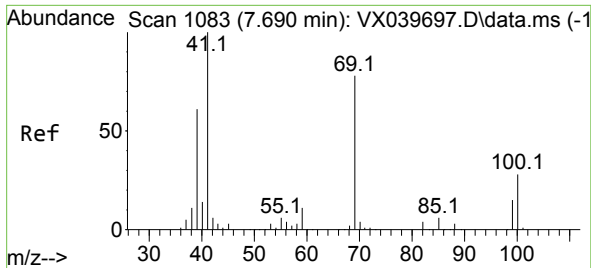
Tgt Ion:117 Resp: 9423
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 25.769 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion: 43 Resp: 80938
Ion Ratio Lower Upper
43 100
61 18.2 15.2 22.8
87 11.8 9.8 14.6

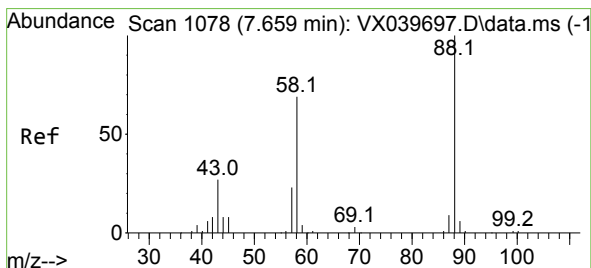
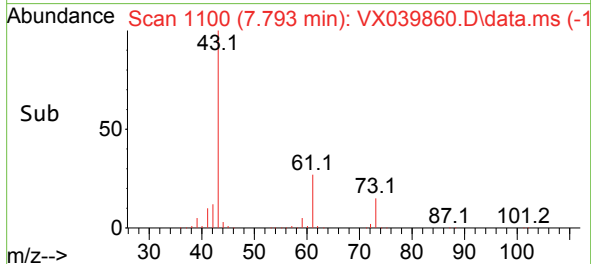
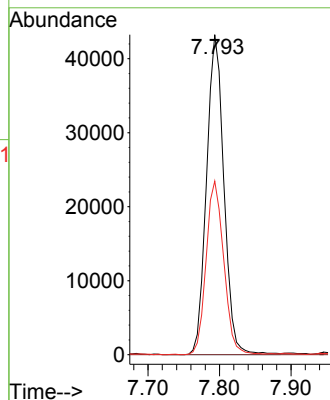
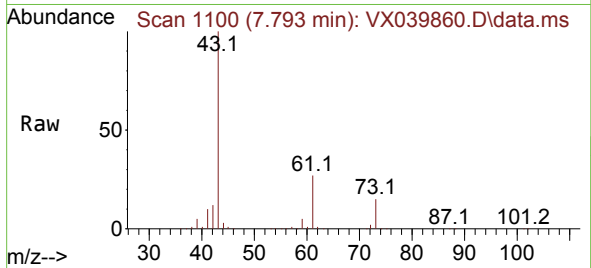




#48
Methyl methacrylate
Concen: 47.383 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

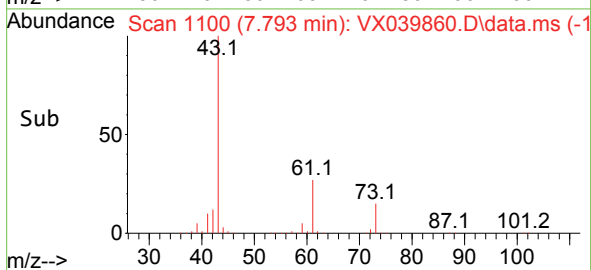
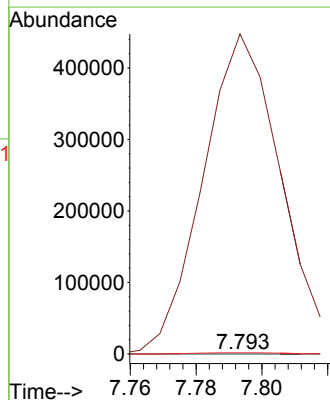
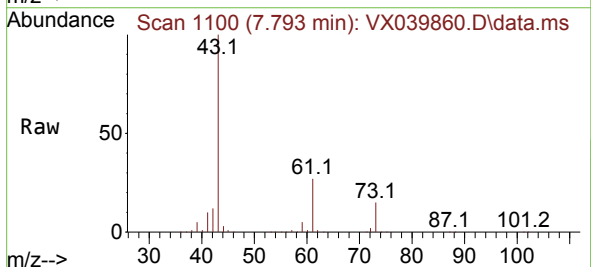
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

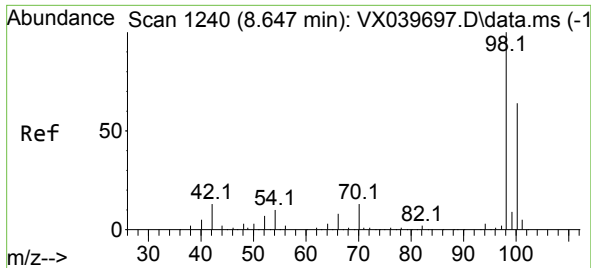
Tgt Ion: 41 Resp: 73153
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 55.1 47.7 71.5



#49
1,4-Dioxane
Concen: 1.707 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 1470270.6 0.0 0.0#
58 6019.6 60.1 90.1#

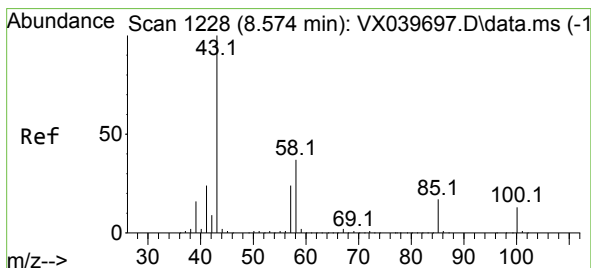
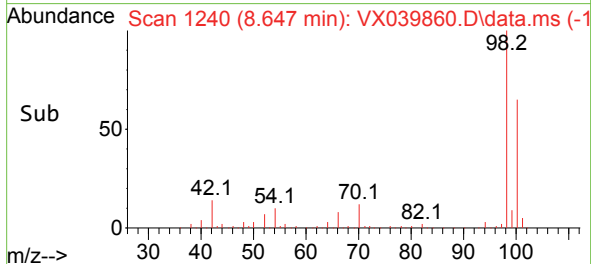
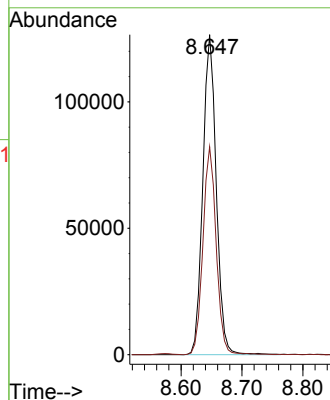
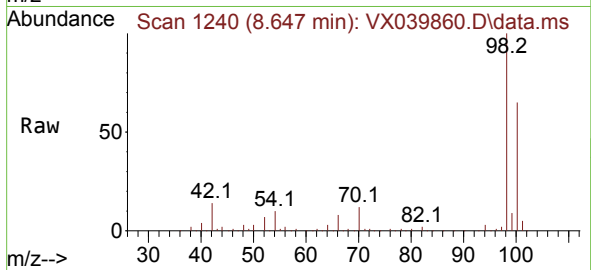




#50
Toluene-d8
Concen: 49.844 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

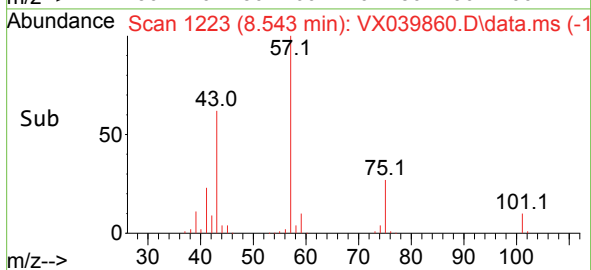
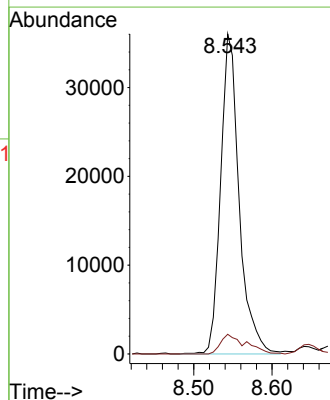
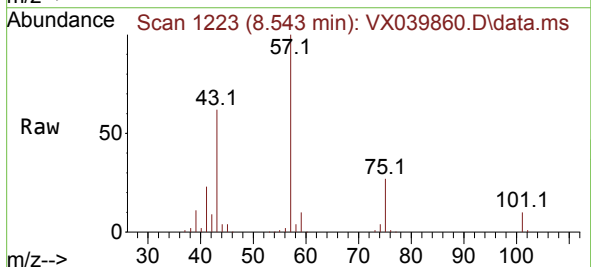
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

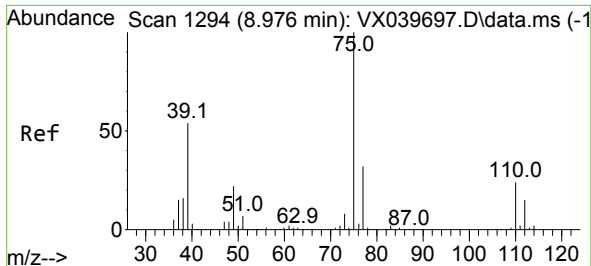
Tgt Ion: 98 Resp: 193834
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 27.462 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion: 43 Resp: 59404
Ion Ratio Lower Upper
43 100
58 8.4 30.4 45.6#

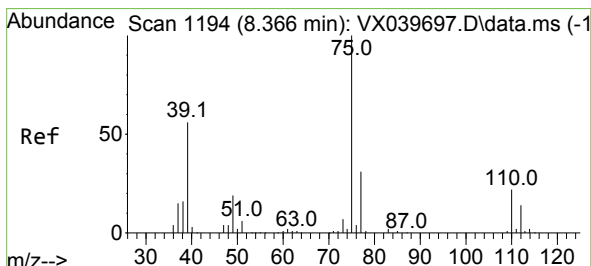
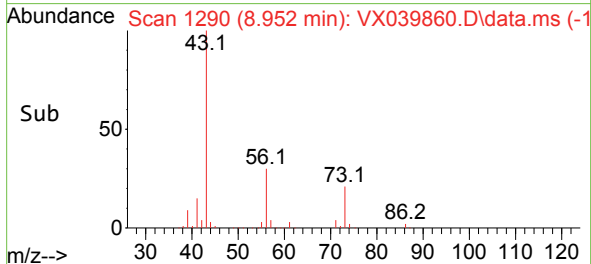
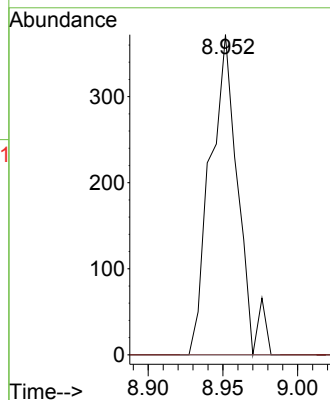
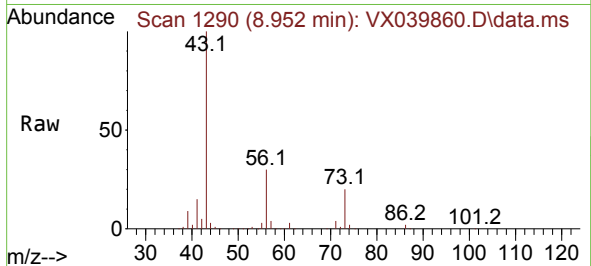




#53
 t-1,3-Dichloropropene
 Concen: 0.292 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX039860.D
 Acq: 19 Jan 2024 23:54

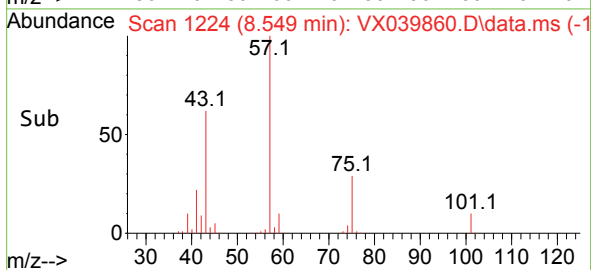
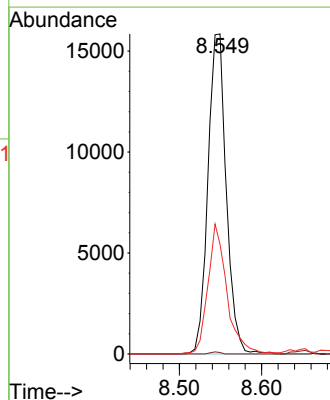
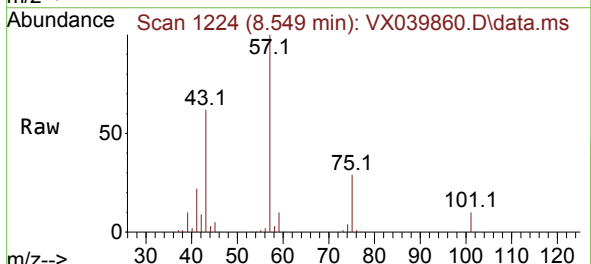
Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#03

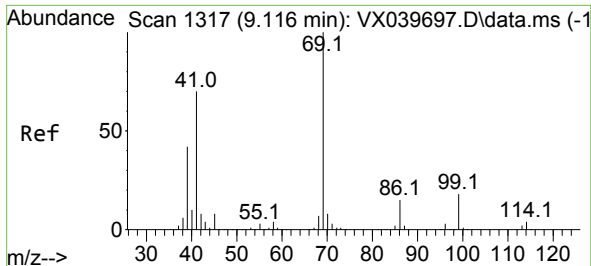
Tgt Ion: 75 Resp: 483
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.481 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039860.D
 Acq: 19 Jan 2024 23:54

Tgt Ion: 75 Resp: 24531
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.3 46.7 70.1#

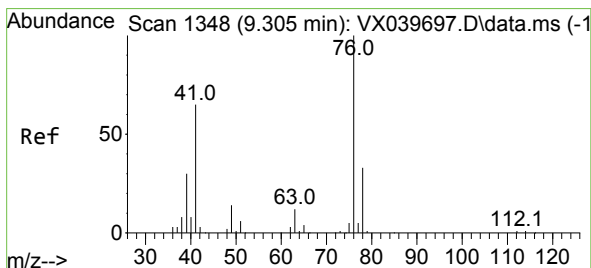
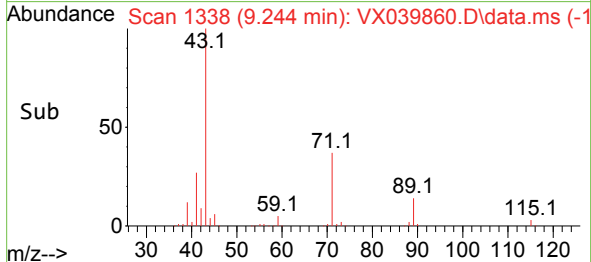
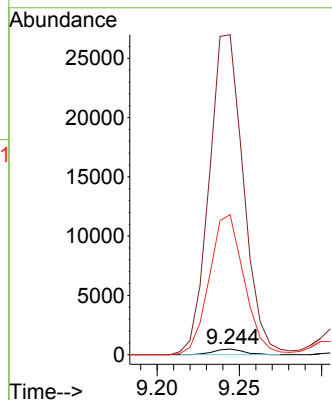
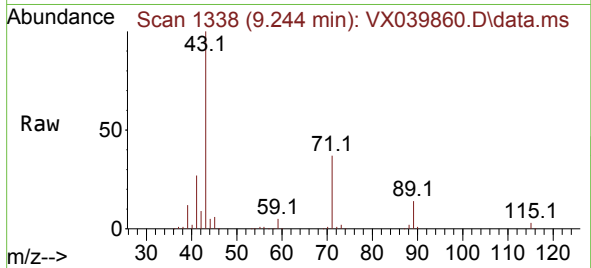




#56
Ethyl methacrylate
Concen: 0.321 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

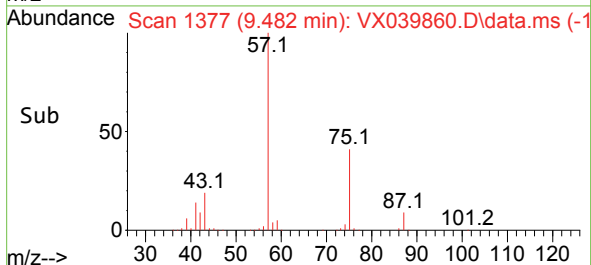
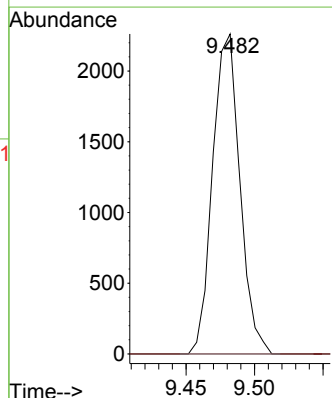
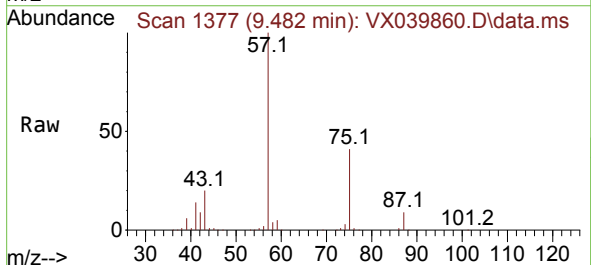
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

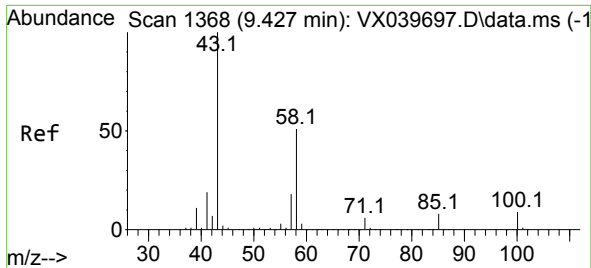
Tgt Ion: 69 Resp: 600
Ion Ratio Lower Upper
69 100
41 6545.7 56.8 85.2#
39 2910.8 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.598 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion: 76 Resp: 3129
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

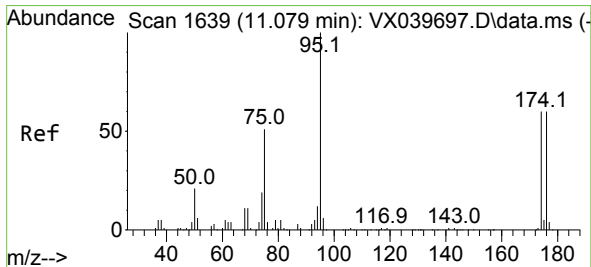
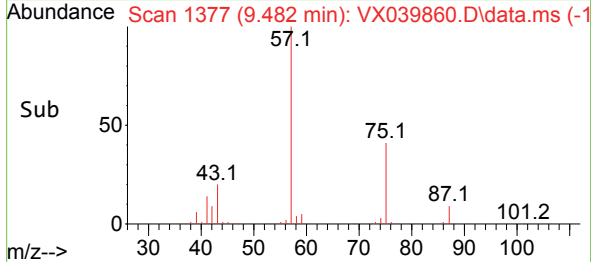
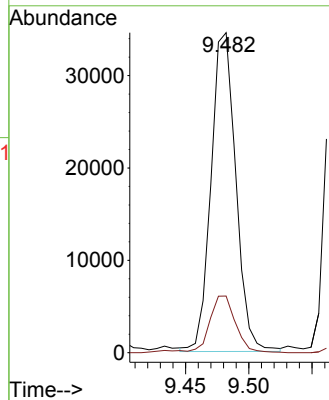
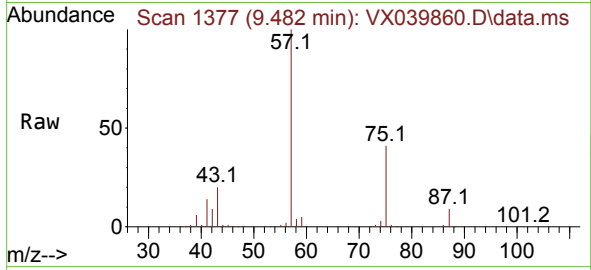




#59
2-Hexanone
Concen: 27.501 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

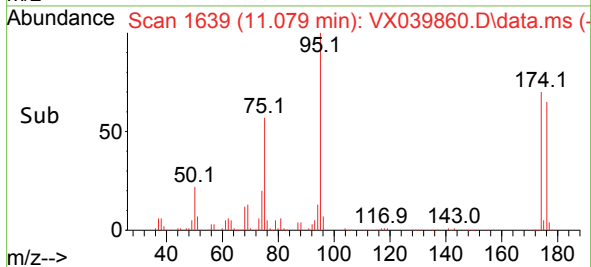
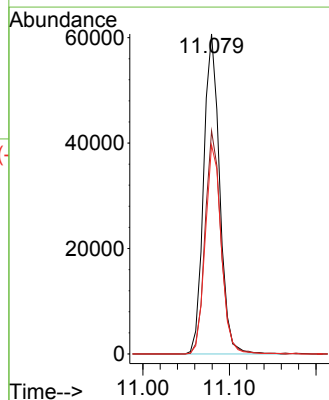
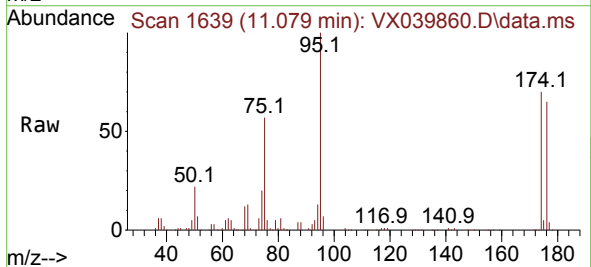
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

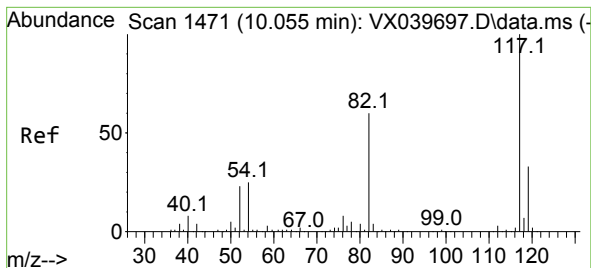
Tgt Ion: 43 Resp: 47082
Ion Ratio Lower Upper
43 100
58 18.3 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.066 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion: 95 Resp: 77656
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.6
176 65.7 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: VX039860.D

Acq: 19 Jan 2024 23:54

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#03

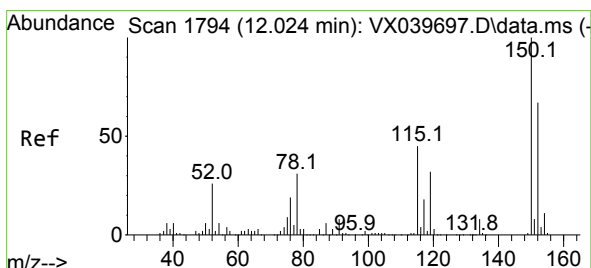
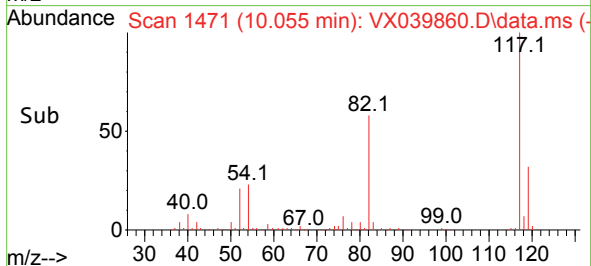
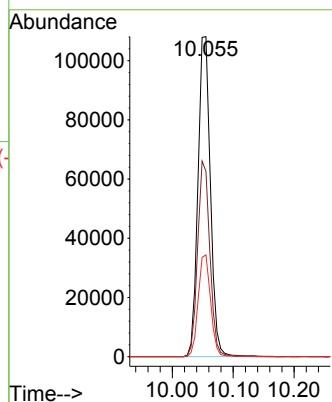
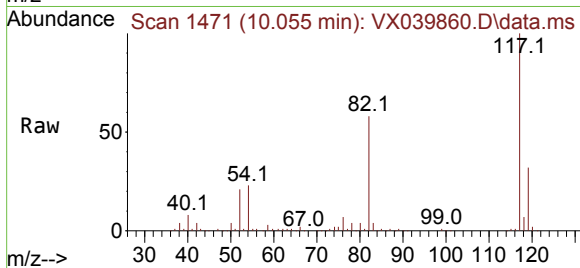
Tgt Ion:117 Resp: 153236

Ion Ratio Lower Upper

117 100

82 58.0 46.2 69.4

119 31.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX039860.D

Acq: 19 Jan 2024 23:54

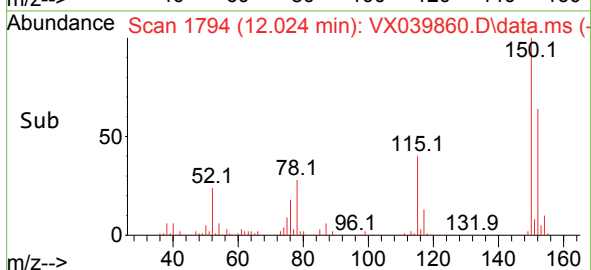
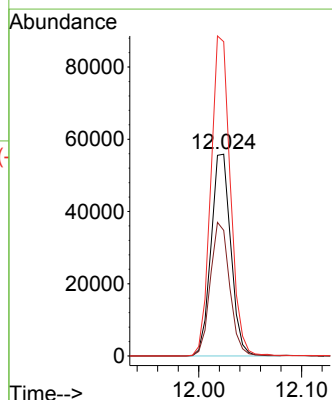
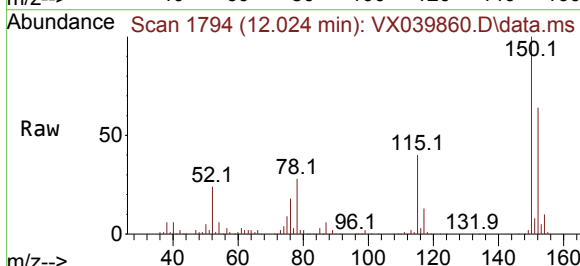
Tgt Ion:152 Resp: 74860

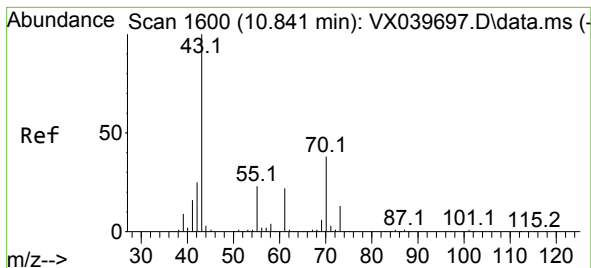
Ion Ratio Lower Upper

152 100

115 64.6 43.3 129.9

150 156.8 0.0 345.0





#74

N-amy1 acetate

Concen: 4.662 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX039860.D

Acq: 19 Jan 2024 23:54

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#03

Tgt Ion: 43 Resp: 14483

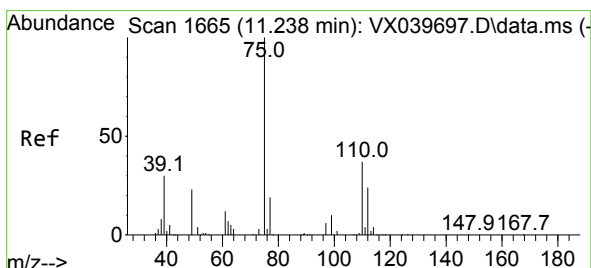
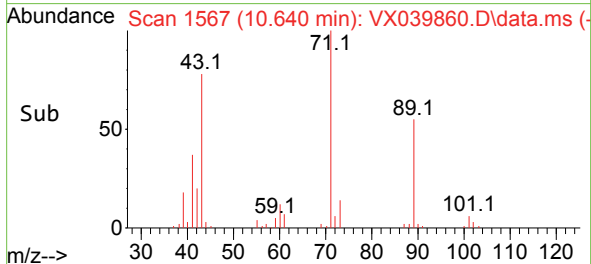
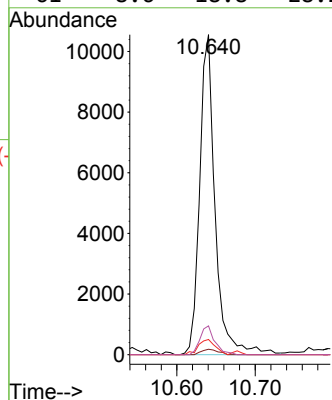
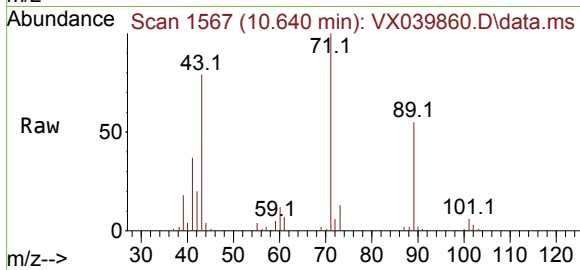
Ion Ratio Lower Upper

43 100

70 1.8 32.9 49.3#

55 5.2 19.3 28.9#

61 8.6 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 22.189 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039860.D

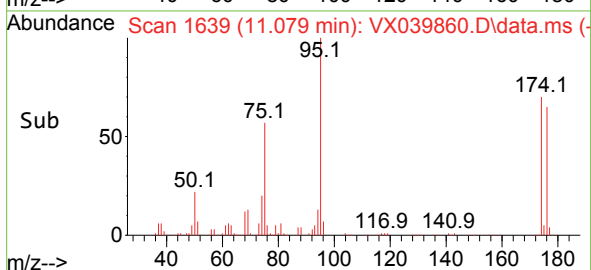
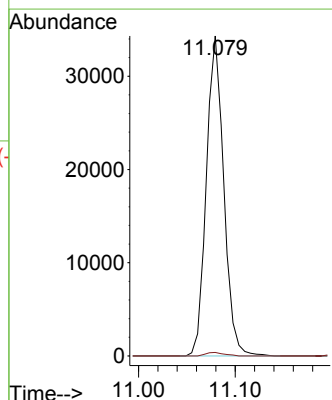
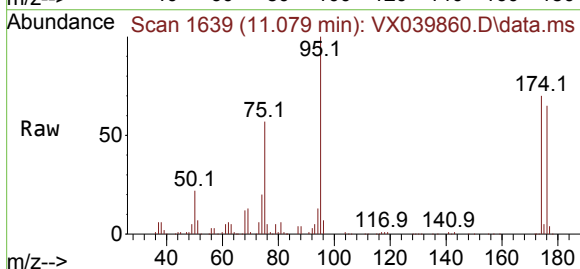
Acq: 19 Jan 2024 23:54

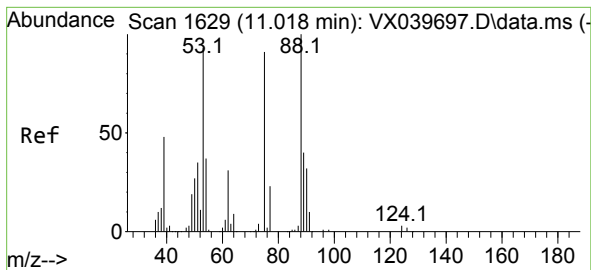
Tgt Ion: 75 Resp: 43064

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

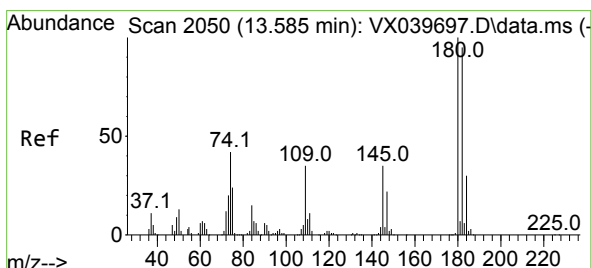
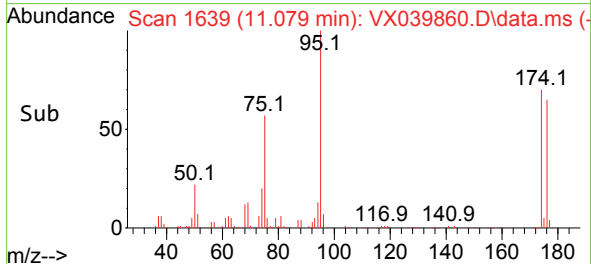
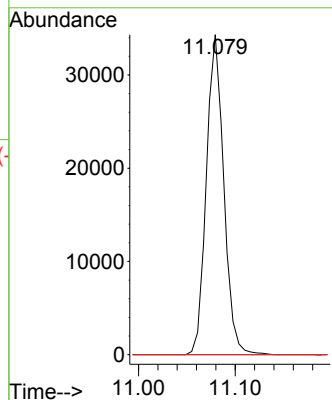
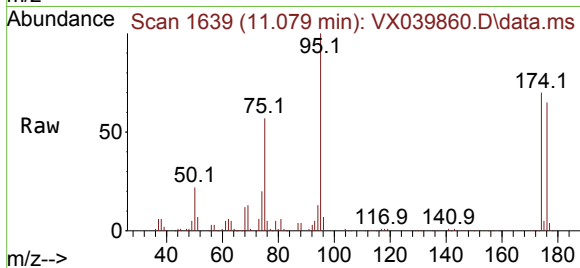




#81
trans-1,4-Dichloro-2-butene
Concen: 64.332 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#03

Tgt Ion: 75 Resp: 43064
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.446 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX039860.D
Acq: 19 Jan 2024 23:54

Tgt Ion:180 Resp: 686
Ion Ratio Lower Upper
180 100
182 112.8 48.3 144.8
145 28.7 18.0 54.0

