

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061224\
 Data File : VX041836.D
 Acq On : 12 Jun 2024 12:52
 Operator : JC/MD
 Sample : PB161443ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 03:42:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

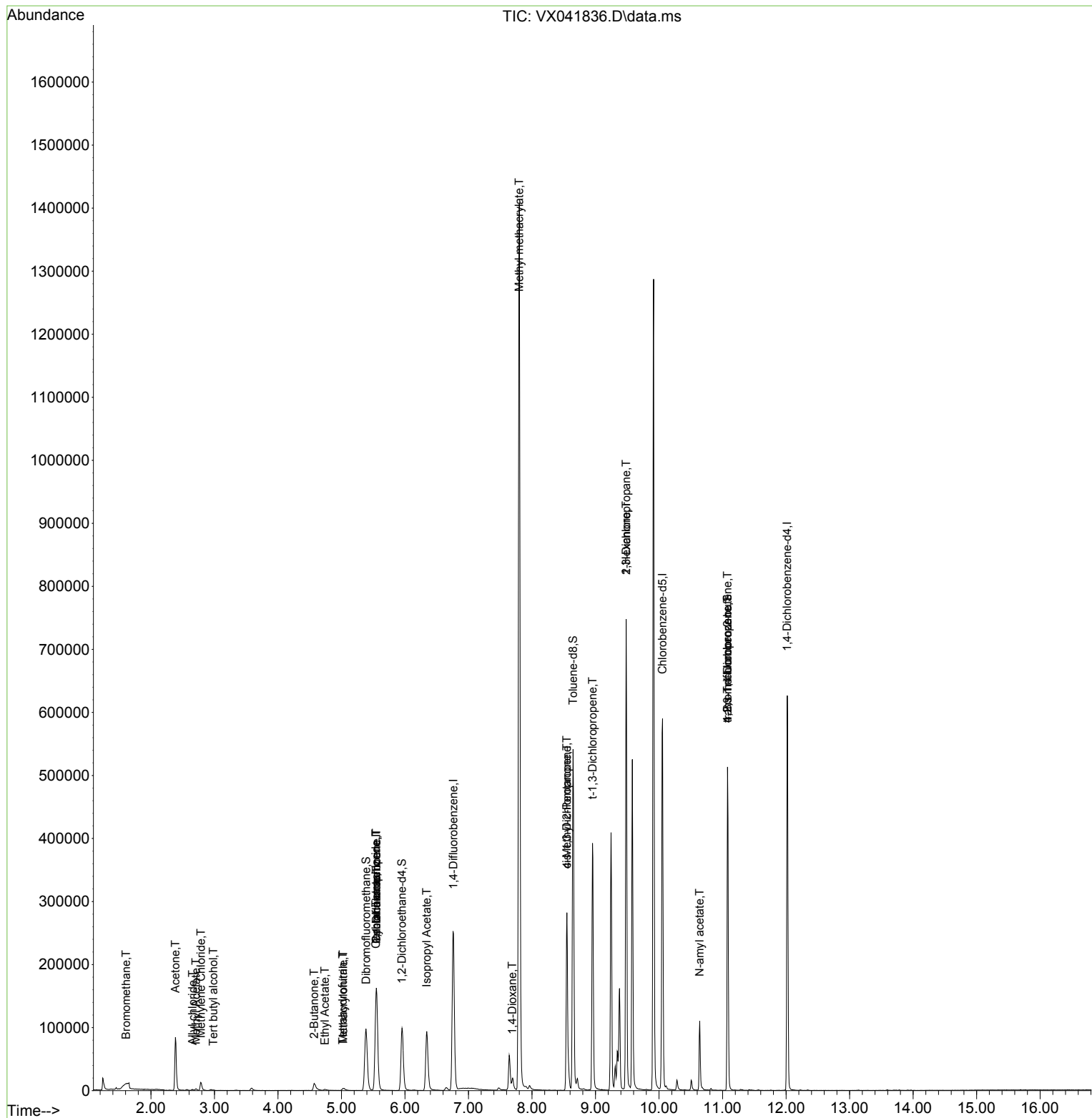
Internal Standards						
1) Pentafluorobenzene	5.550	168	177312	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	282042	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	289251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	148480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93539	43.013	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.020%		
35) Dibromofluoromethane	5.385	113	87331	44.785	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.560%		
50) Toluene-d8	8.647	98	337195	49.488	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.980%		
62) 4-Bromofluorobenzene	11.079	95	131554	52.312	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.620%		
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	464	0.381	ug/l	# 54
11) Tert butyl alcohol	2.983	59	901	2.342	ug/l	# 78
14) Allyl chloride	2.654	41	1999	0.769	ug/l	# 39
16) Acetone	2.386	43	91867	94.454	ug/l	94
18) Methyl Acetate	2.709	43	3827	1.843	ug/l	95
20) Methylene Chloride	2.788	84	7219	3.709	ug/l	91
25) 2-Butanone	4.568	43	22727	16.815	ug/l	92
29) Tetrahydrofuran	5.019	42	3571	4.189	ug/l	# 34
31) Cyclohexane	5.550	56	2659	1.036	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	10755	4.555	ug/l	# 52
37) Ethyl Acetate	4.739	43	2751	0.923	ug/l	98
38) Carbon Tetrachloride	5.544	117	15367	5.728	ug/l	# 15
41) Methacrylonitrile	5.026	41	2174	1.492	ug/l	# 44
43) Isopropyl Acetate	6.342	43	130817	29.077	ug/l	96
48) Methyl methacrylate	7.799	41	116825	54.072	ug/l	# 45
49) 1,4-Dioxane	7.690	88	49	1.038	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	104752	35.906	ug/l	# 47
53) t-1,3-Dichloropropene	8.952	75	936	0.382	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	48128	17.735	ug/l	# 52
57) 1,3-Dichloropropane	9.482	76	6420	2.048	ug/l	# 42
59) 2-Hexanone	9.482	43	87021	39.124	ug/l	# 54
74) N-amyl acetate	10.640	43	26763	6.560	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	60989	23.542	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	60989	64.163	ug/l	# 5

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

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MSVOA_X
ClientSampleId :

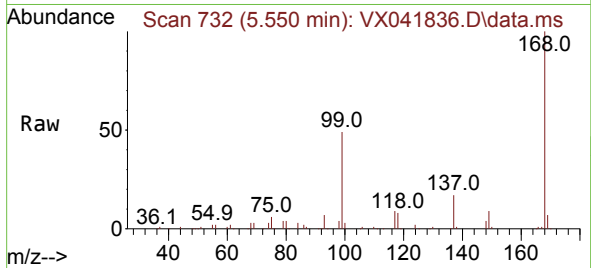
Quant Time: Jun 13 03:42:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
Response via : Initial Calibration



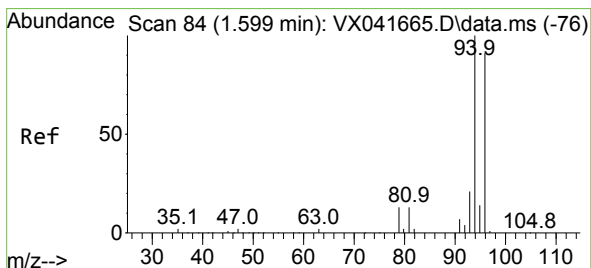
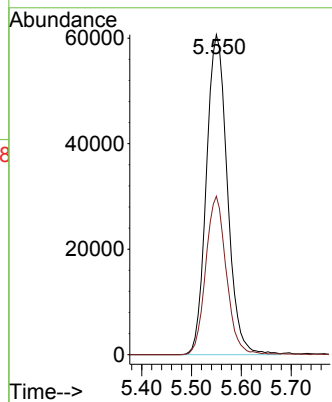
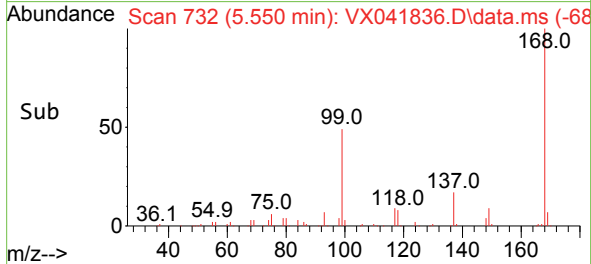


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

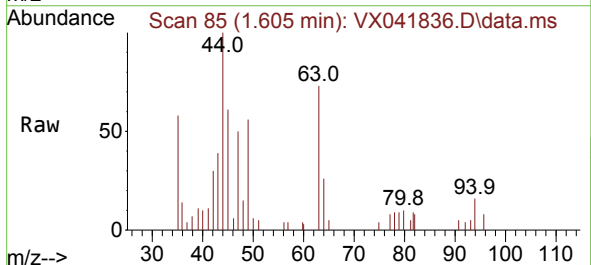
Instrument :
MSVOA_X
ClientSampleId :



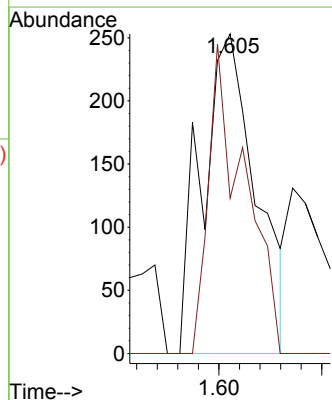
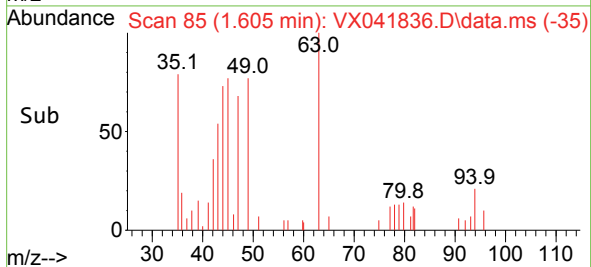
Tgt Ion:168 Resp: 177312
Ion Ratio Lower Upper
168 100
99 49.5 56.6 85.0#

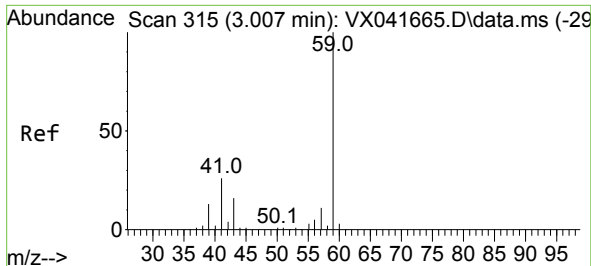


#5
Bromomethane
Concen: 0.381 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52



Tgt Ion: 94 Resp: 464
Ion Ratio Lower Upper
94 100
96 48.6 74.6 111.8#





#11

Tert butyl alcohol

Concen: 2.342 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.024 min

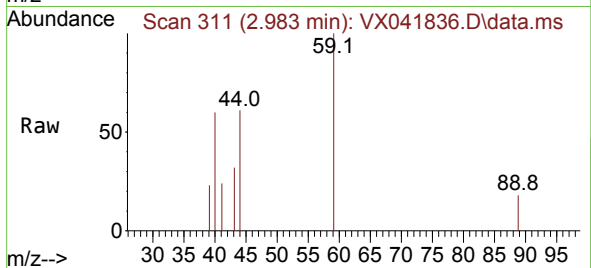
Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

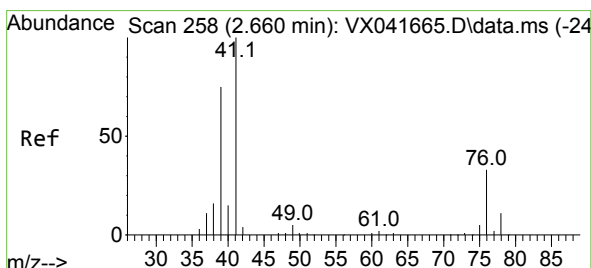
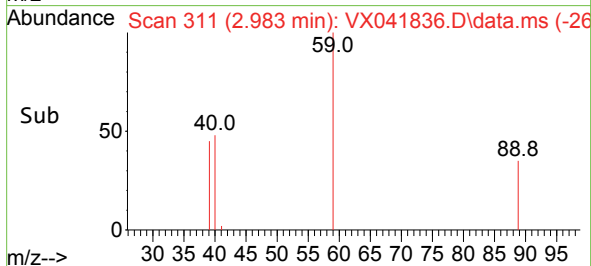
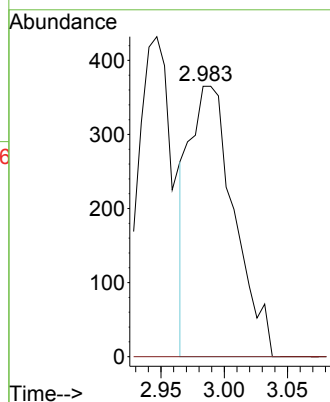


Tgt Ion: 59 Resp: 901

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.769 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

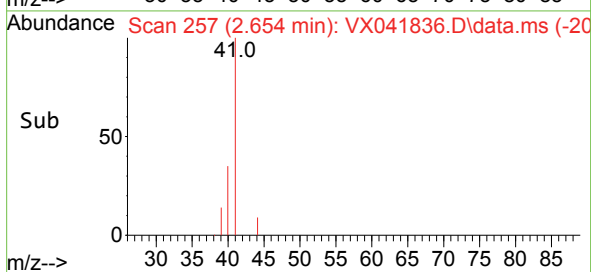
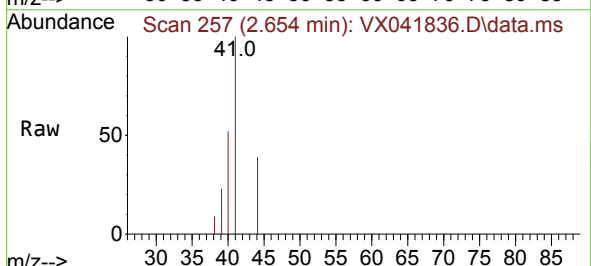
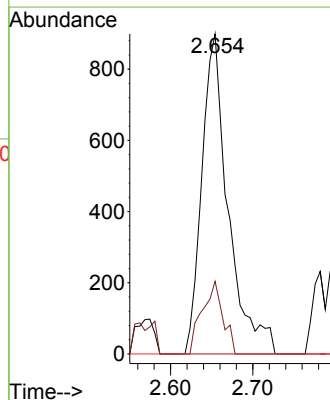
Tgt Ion: 41 Resp: 1999

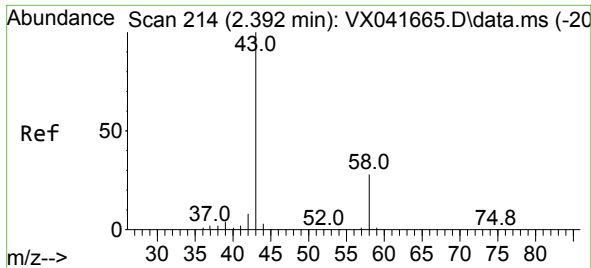
Ion Ratio Lower Upper

41 100

39 17.9 55.8 83.6#

76 0.0 24.3 36.5#





#16

Acetone

Concen: 94.454 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

Instrument :

MSVOA_X

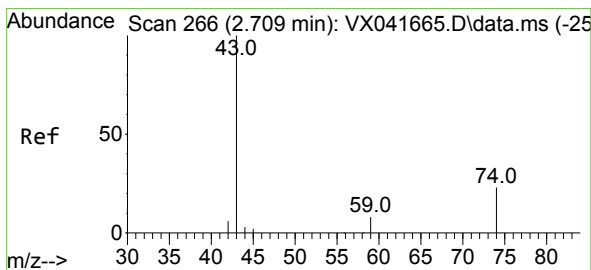
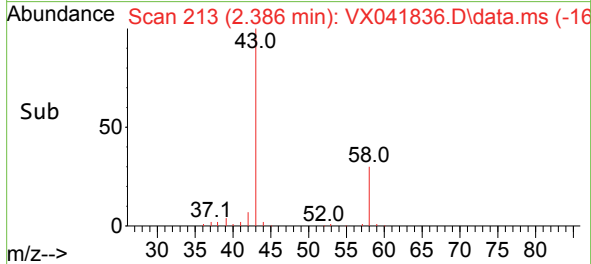
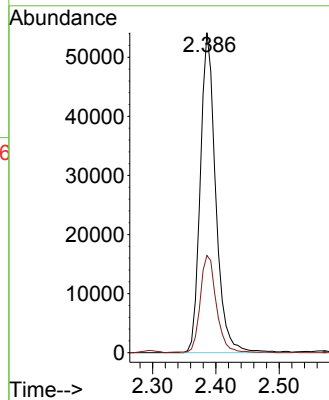
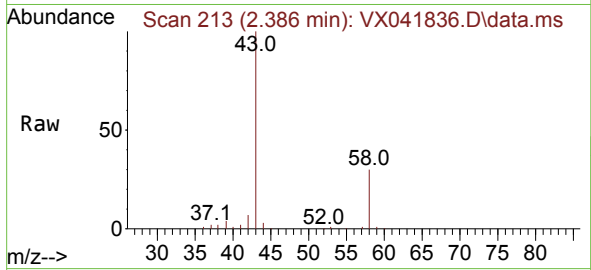
ClientSampleId :

Tgt Ion: 43 Resp: 91867

Ion Ratio Lower Upper

43 100

58 30.4 21.9 32.9



#18

Methyl Acetate

Concen: 1.843 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX041836.D

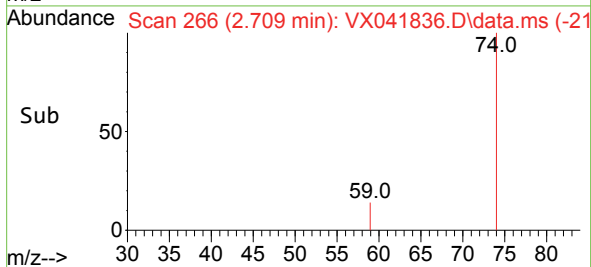
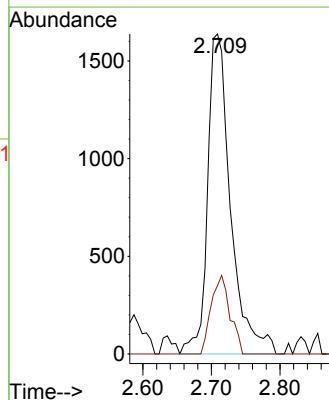
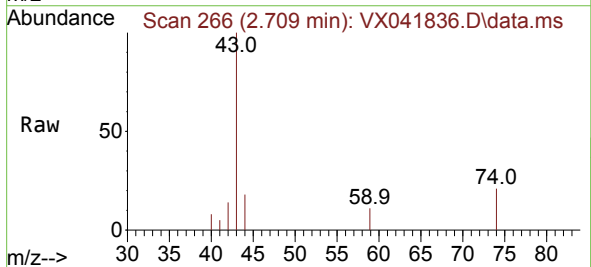
Acq: 12 Jun 2024 12:52

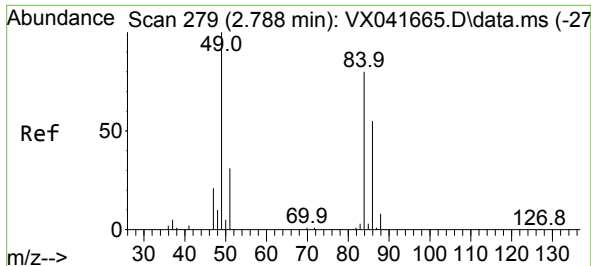
Tgt Ion: 43 Resp: 3827

Ion Ratio Lower Upper

43 100

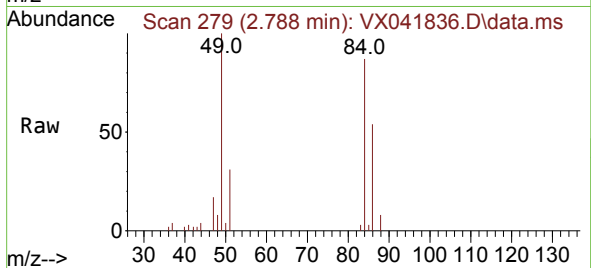
74 20.0 17.8 26.8



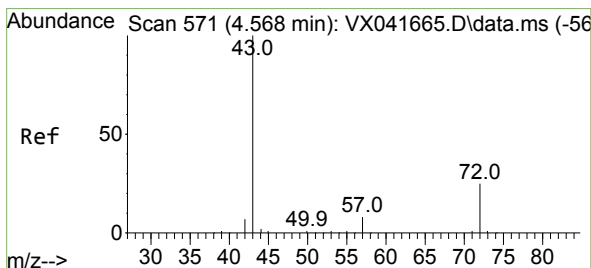
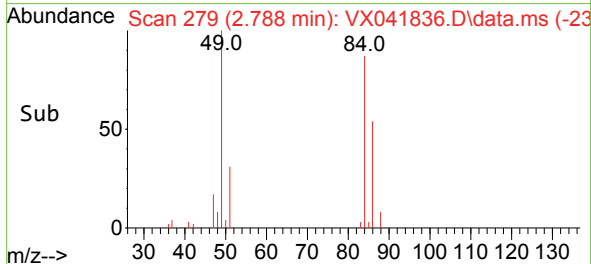
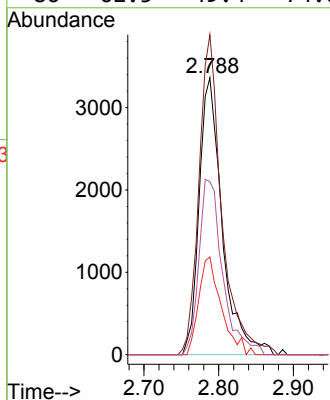


#20
Methylene Chloride
Concen: 3.709 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

Instrument :
MSVOA_X
ClientSampleId :

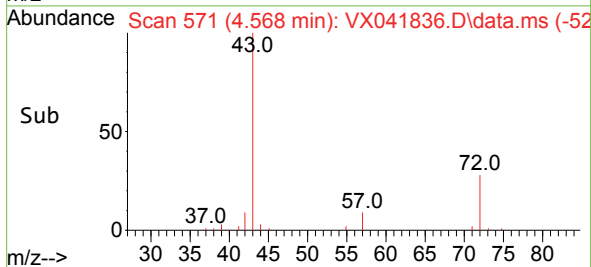
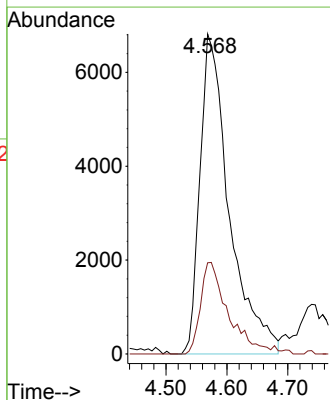
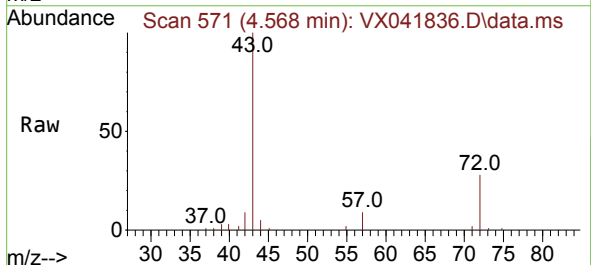


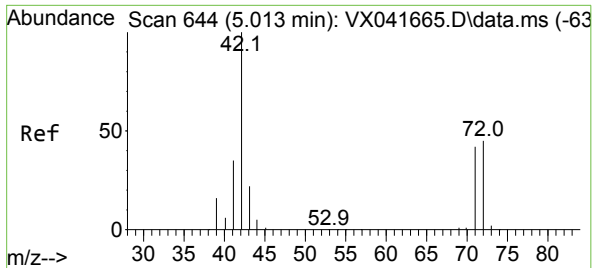
Tgt Ion:	84	Resp:	7219
Ion	Ratio	Lower	Upper
84	100		
49	115.6	103.6	155.4
51	35.3	33.8	50.6
86	62.5	49.4	74.0



#25
2-Butanone
Concen: 16.815 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

Tgt Ion:	43	Resp:	22727
Ion	Ratio	Lower	Upper
43	100		
72	28.5	19.4	29.2





#29

Tetrahydrofuran

Concen: 4.189 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX041836.D

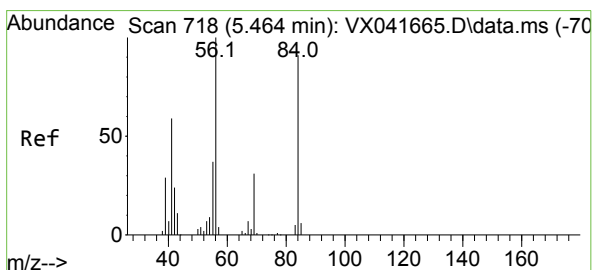
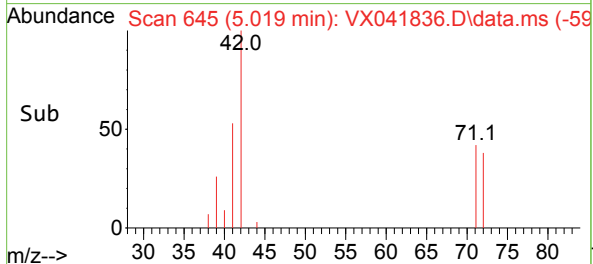
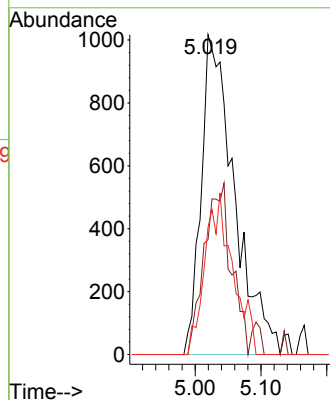
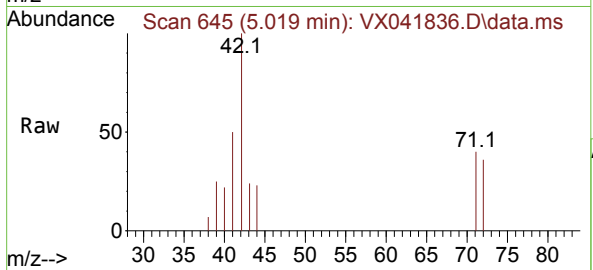
Acq: 12 Jun 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 3571
Ion Ratio	Lower Upper
42	100
72	0.0 34.2 51.4#
71	0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.036 ug/l

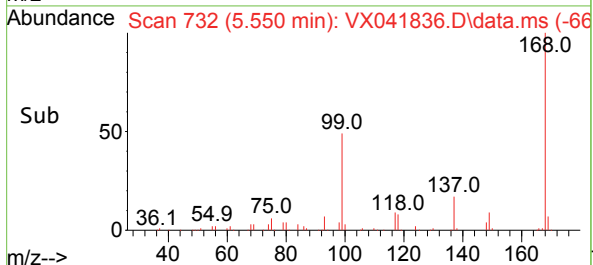
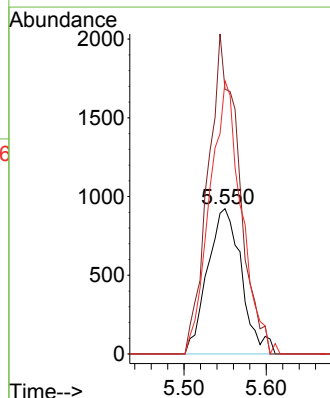
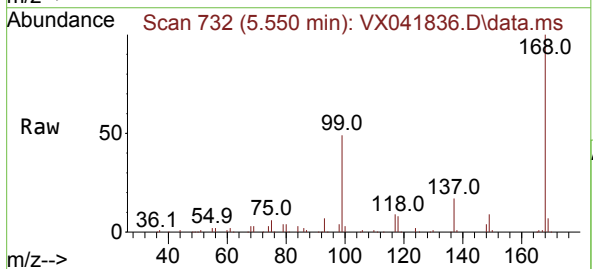
RT: 5.550 min Scan# 732

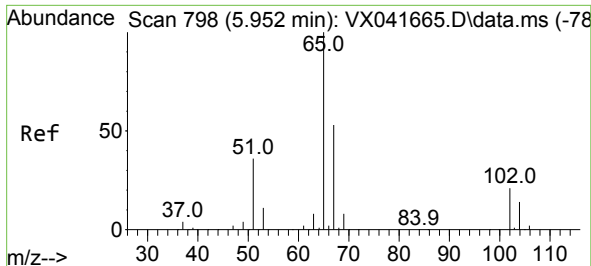
Delta R.T. 0.085 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

Tgt Ion: 56	Resp: 2659
Ion Ratio	Lower Upper
56	100
69	182.2 23.4 35.2#
84	188.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.013 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

Instrument :

MSVOA_X

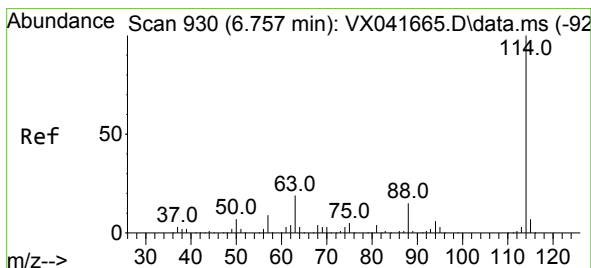
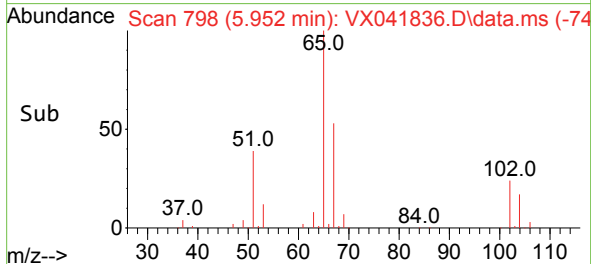
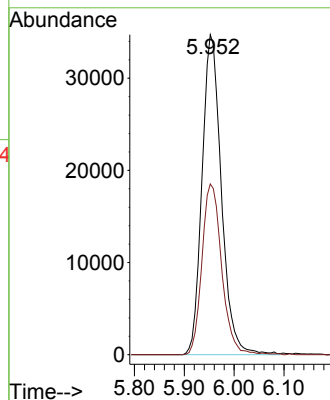
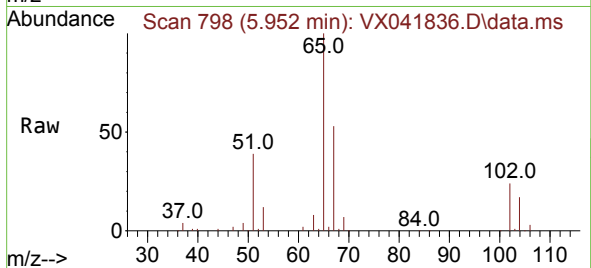
ClientSampleId :

Tgt Ion: 65 Resp: 93539

Ion Ratio Lower Upper

65 100

67 54.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

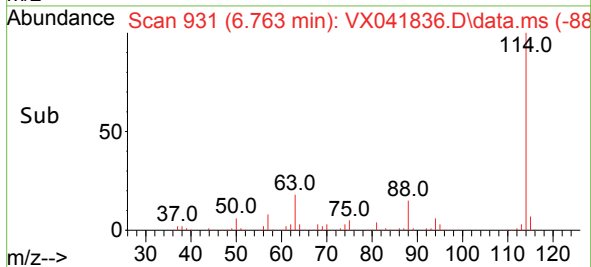
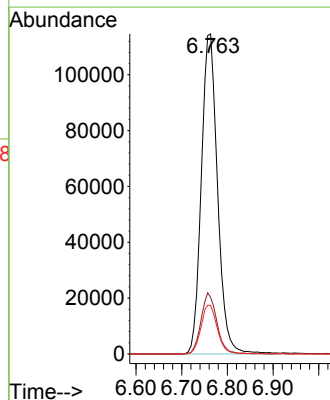
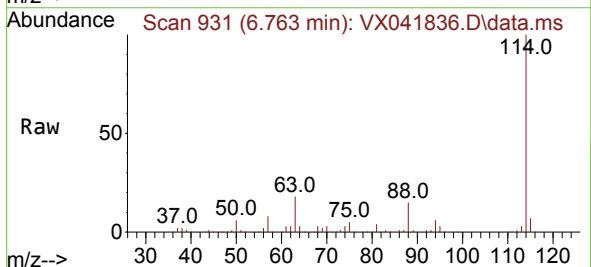
Tgt Ion: 114 Resp: 282042

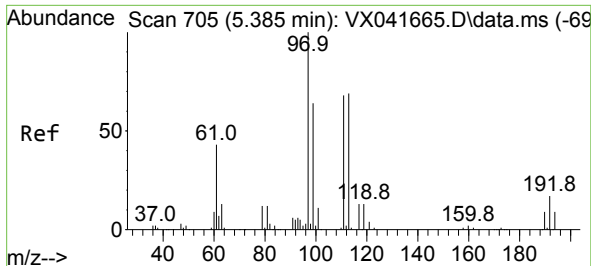
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

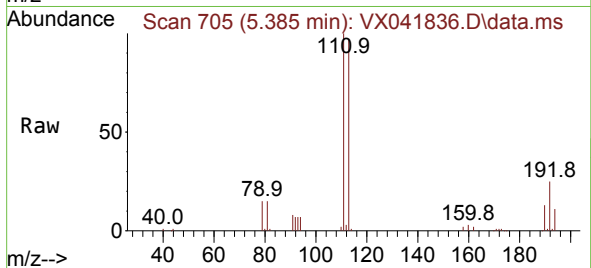
88 15.2 0.0 36.6



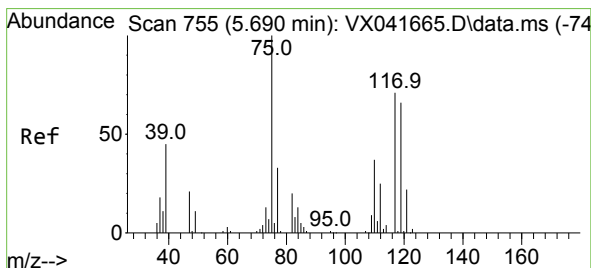
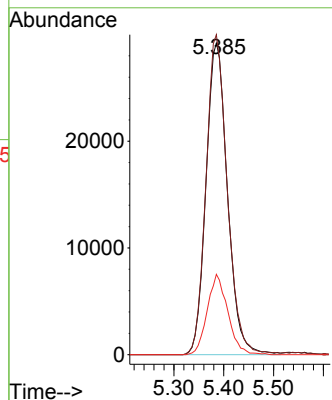
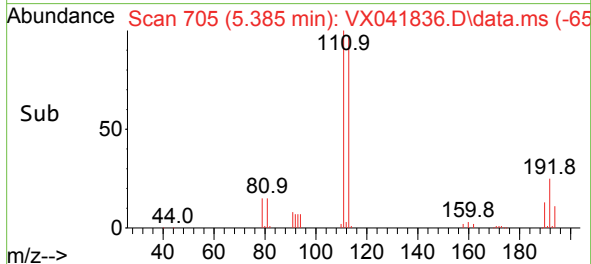


#35
Dibromofluoromethane
Concen: 44.785 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

Instrument :
MSVOA_X
ClientSampleId :

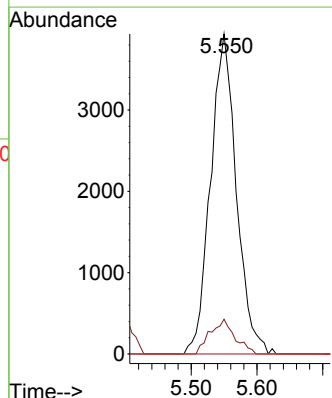
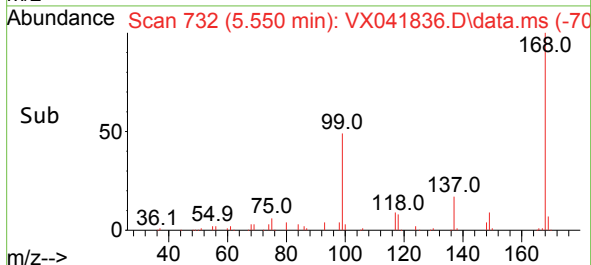
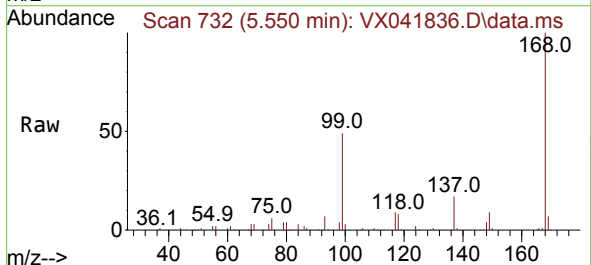


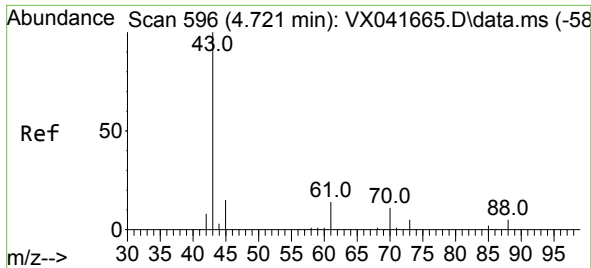
Tgt Ion:113 Resp: 87331
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 24.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.555 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

Tgt Ion: 75 Resp: 10755
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#

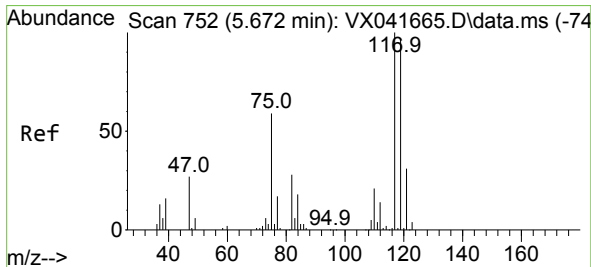
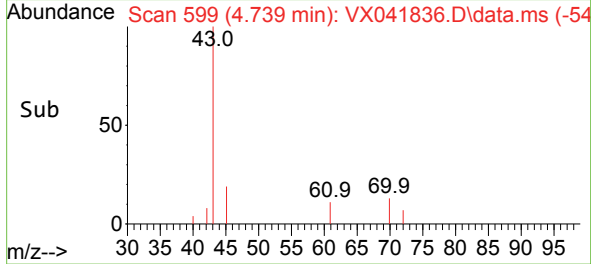
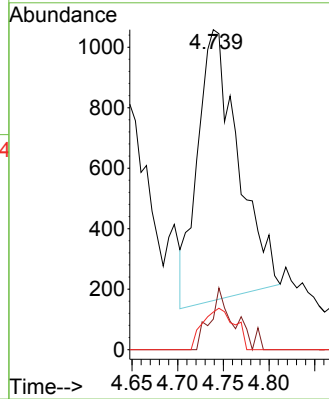
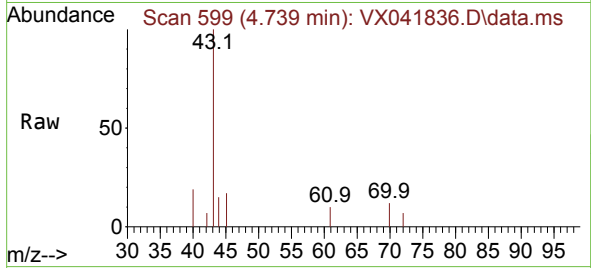




#37
Ethyl Acetate
Concen: 0.923 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

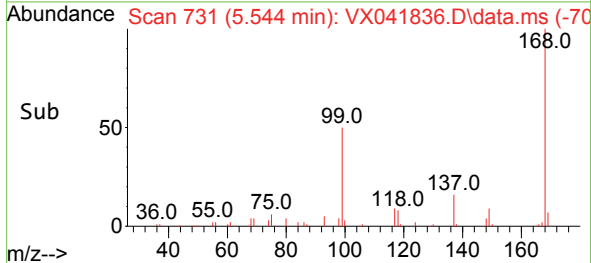
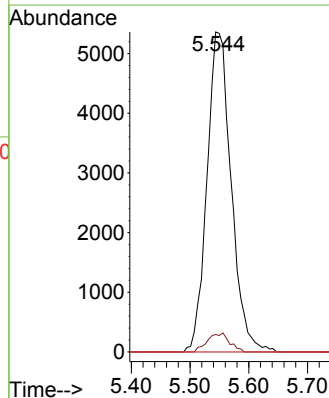
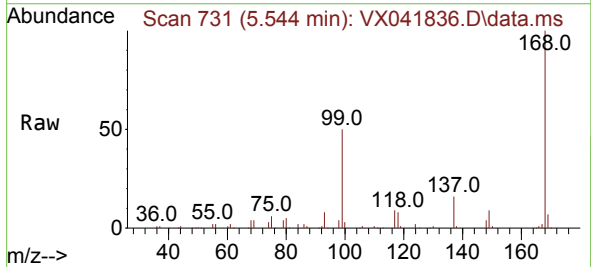
Instrument :
MSVOA_X
ClientSampleId :

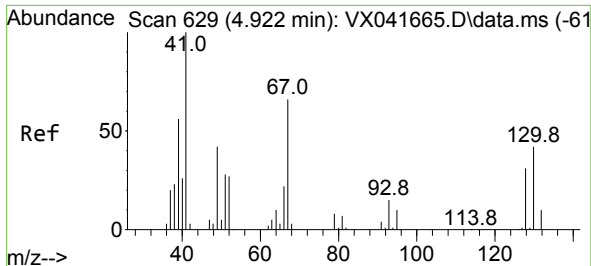
Tgt Ion: 43	Resp: 2751
Ion Ratio	Lower Upper
43 100	
61 13.6	10.6 16.0
70 12.1	8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.728 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

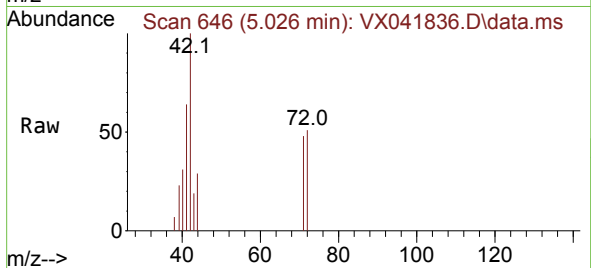
Tgt Ion: 117	Resp: 15367
Ion Ratio	Lower Upper
117 100	
119 5.5	78.2 117.2#
121 0.0	24.4 36.6#



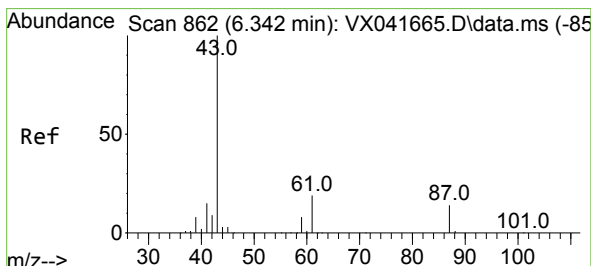
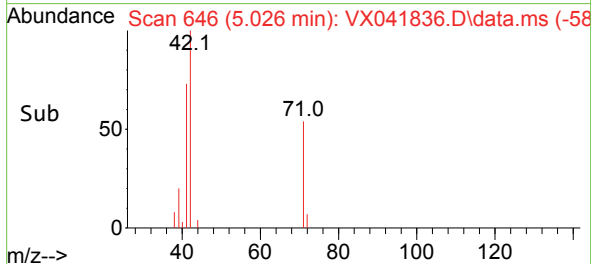
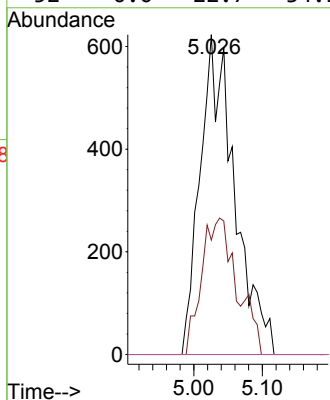


#41
Methacrylonitrile
Concen: 1.492 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

Instrument :
MSVOA_X
ClientSampleId :

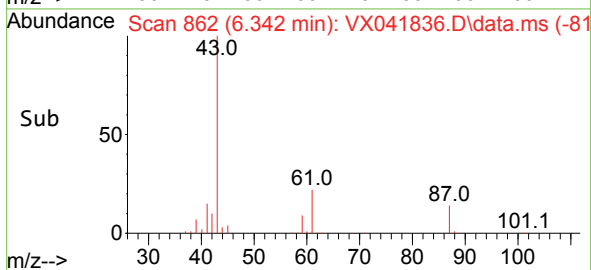
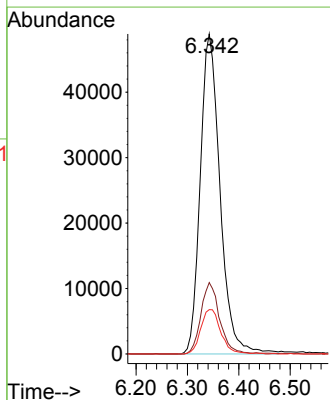
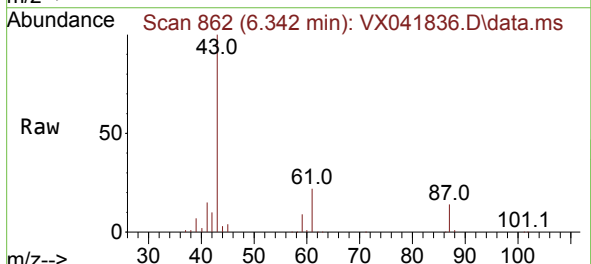


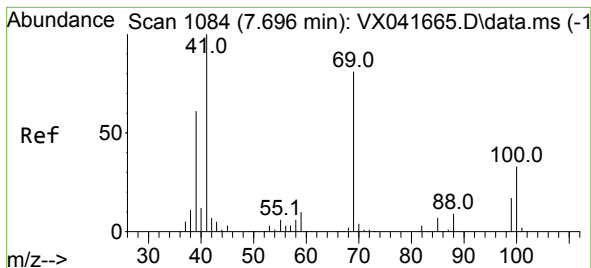
Tgt Ion: 41	Resp: 2174
Ion Ratio	Lower Upper
41 100	
39 38.0	45.2 67.8#
67 0.0	52.6 78.8#
52 0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 29.077 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

Tgt Ion: 43	Resp: 130817		
Ion Ratio	Lower	Upper	
43	100		
61	21.0	15.2	22.8
87	13.9	9.8	14.6





#48

Methyl methacrylate

Concen: 54.072 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

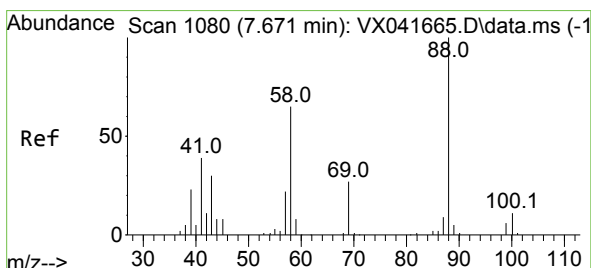
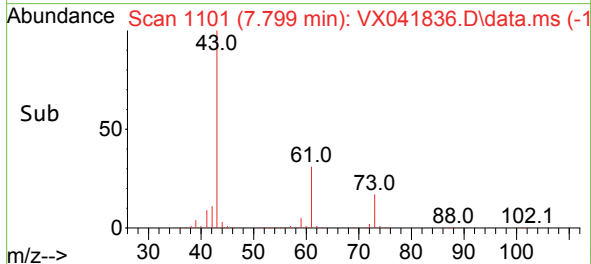
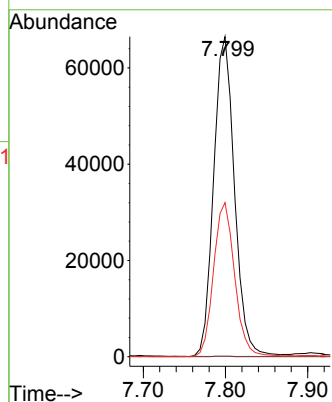
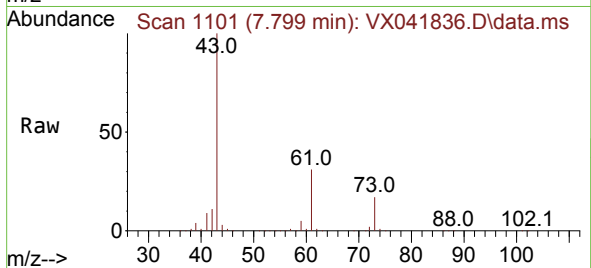
Tgt Ion: 41 Resp: 116825

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 48.9 47.7 71.5



#49

1,4-Dioxane

Concen: 1.038 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.018 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

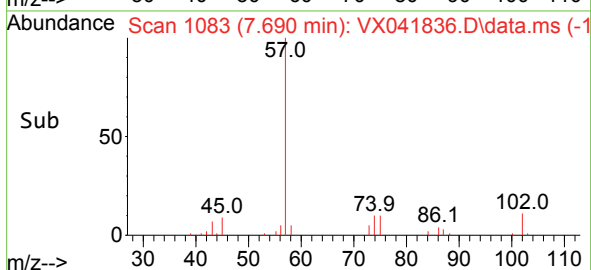
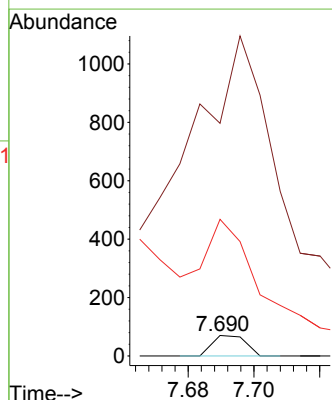
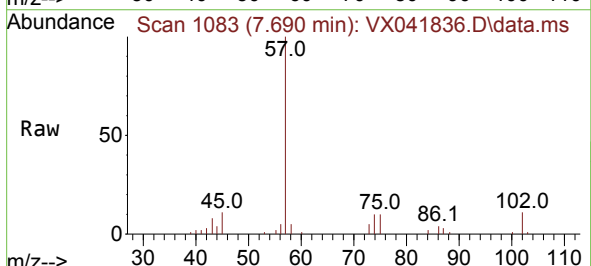
Tgt Ion: 88 Resp: 49

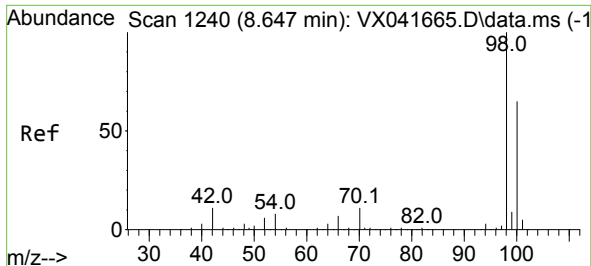
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 1506.1 60.1 90.1#

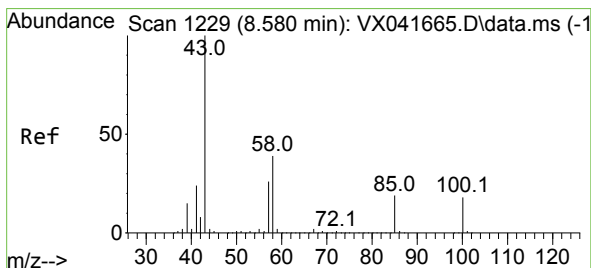
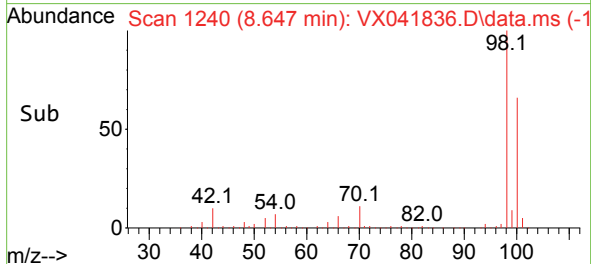
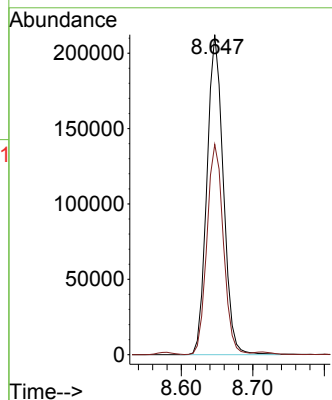
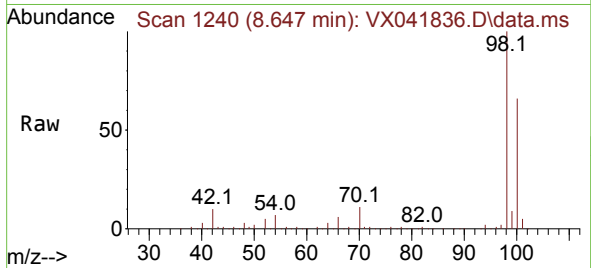




#50
Toluene-d8
Concen: 49.488 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

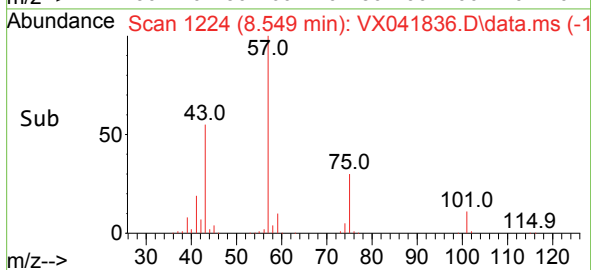
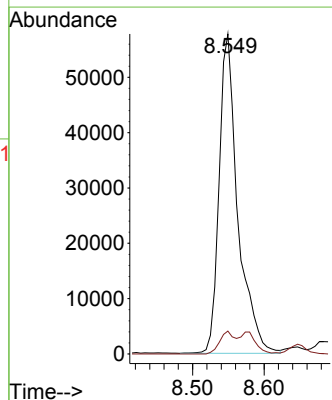
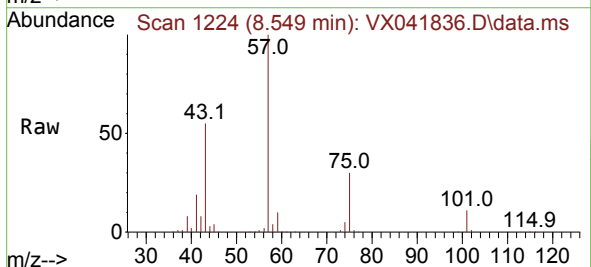
Instrument :
MSVOA_X
ClientSampleId :

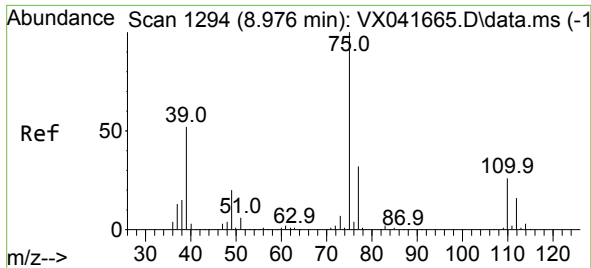
Tgt Ion: 98 Resp: 337195
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 35.906 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

Tgt Ion: 43 Resp: 104752
Ion Ratio Lower Upper
43 100
58 5.9 30.4 45.6#

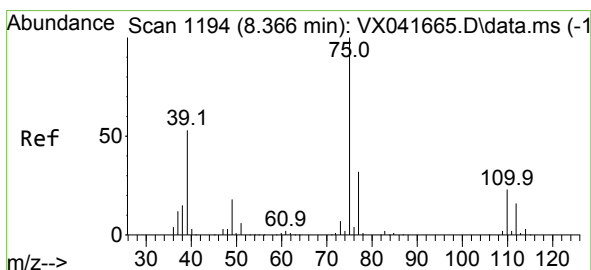
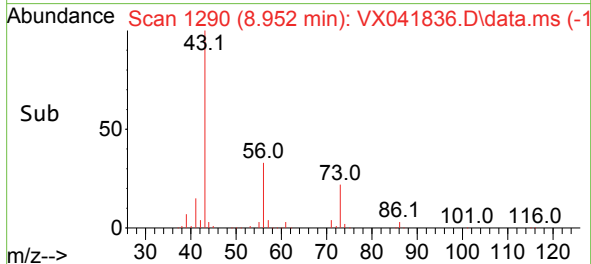
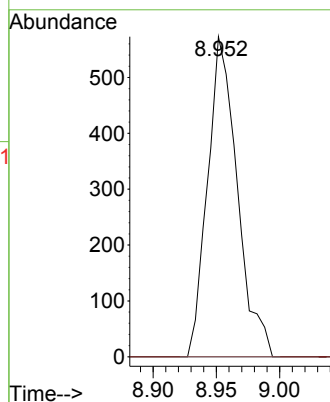
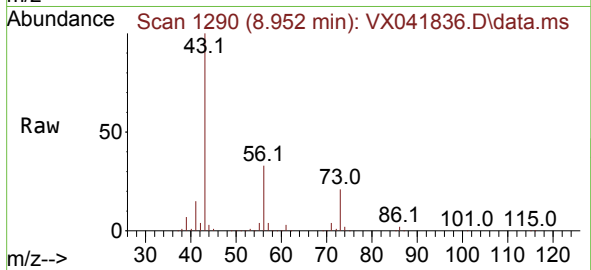




#53
 t-1,3-Dichloropropene
 Concen: 0.382 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX041836.D
 Acq: 12 Jun 2024 12:52

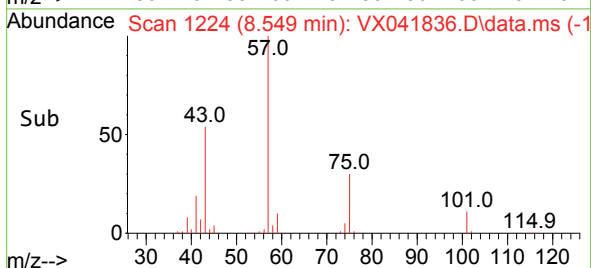
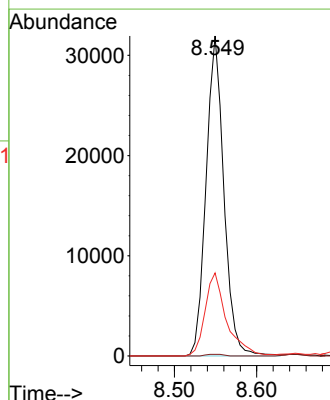
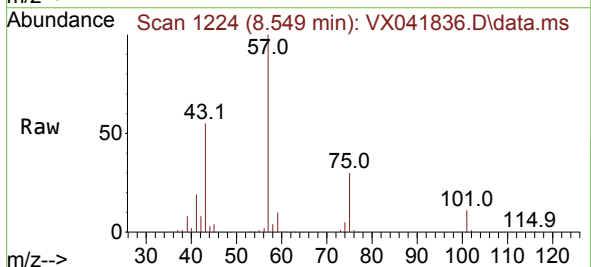
Instrument :
 MSVOA_X
 ClientSampleId :

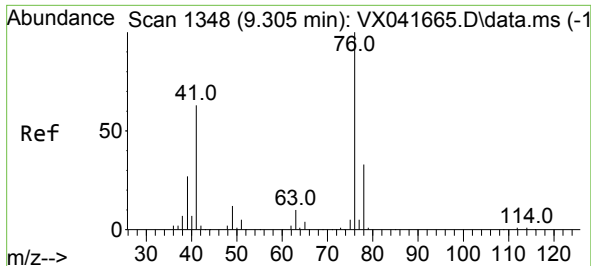
Tgt Ion: 75 Resp: 936
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 17.735 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041836.D
 Acq: 12 Jun 2024 12:52

Tgt Ion: 75 Resp: 48128
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 26.0 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.048 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

Instrument :

MSVOA_X

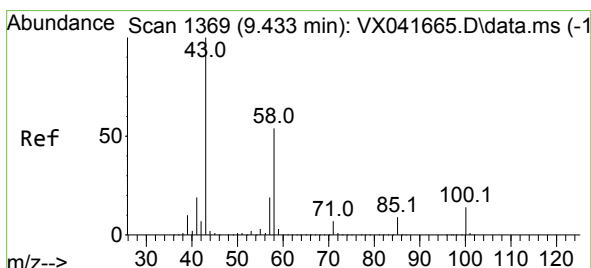
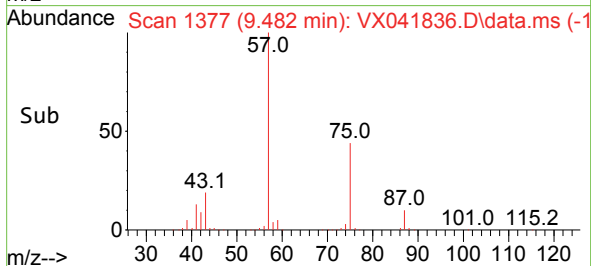
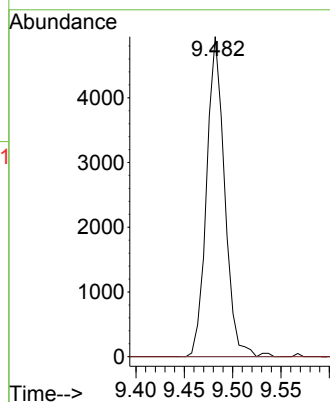
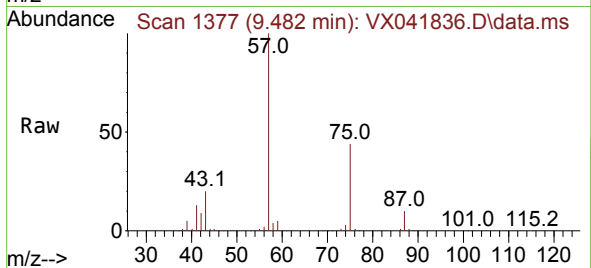
ClientSampleId :

Tgt Ion: 76 Resp: 6420

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 39.124 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041836.D

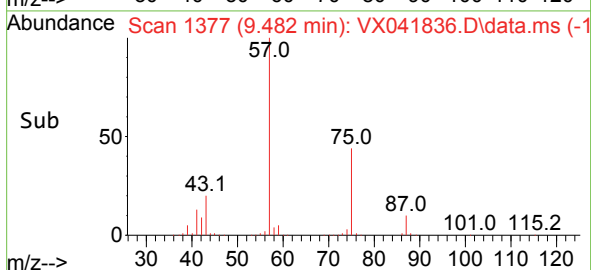
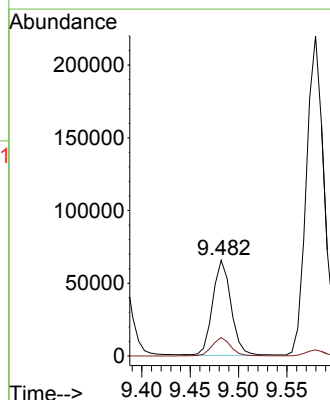
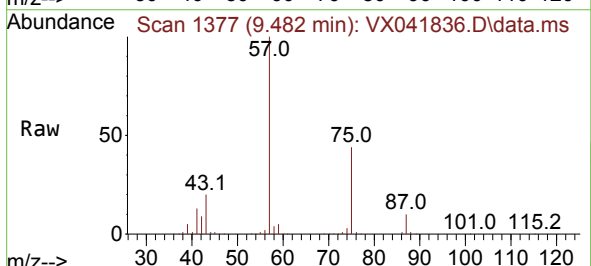
Acq: 12 Jun 2024 12:52

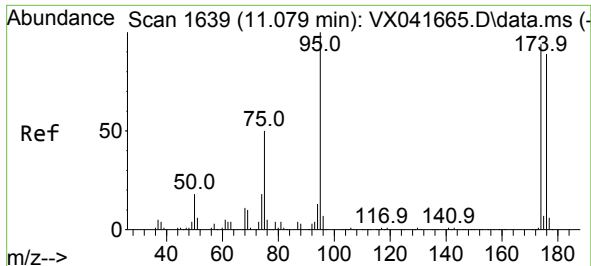
Tgt Ion: 43 Resp: 87021

Ion Ratio Lower Upper

43 100

58 19.9 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 52.312 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

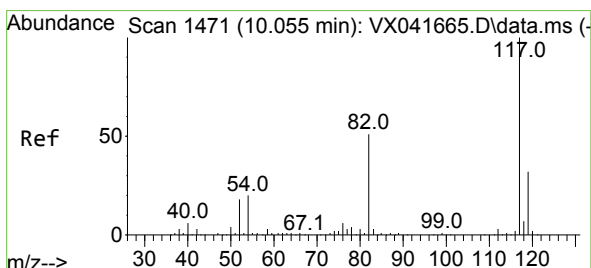
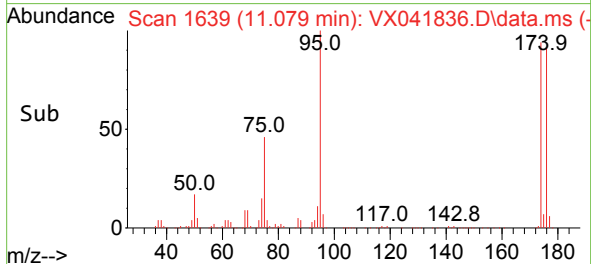
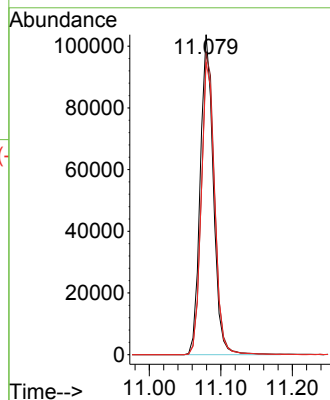
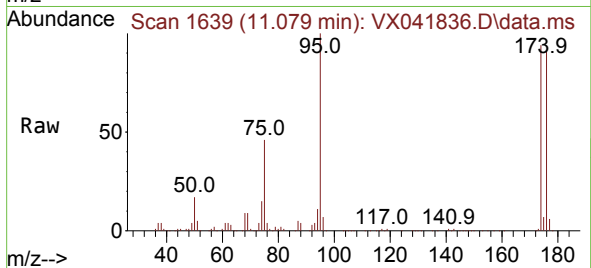
Tgt Ion: 95 Resp: 131554

Ion Ratio Lower Upper

95 100

174 96.1 0.0 135.6

176 93.6 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: VX041836.D

Acq: 12 Jun 2024 12:52

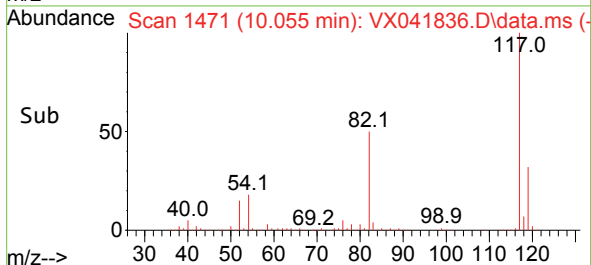
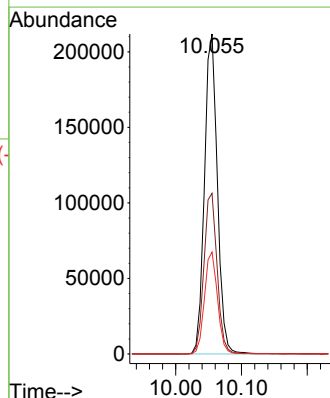
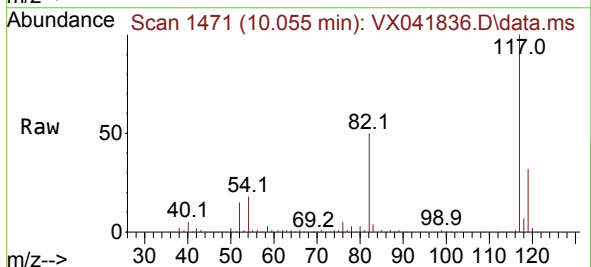
Tgt Ion: 117 Resp: 289251

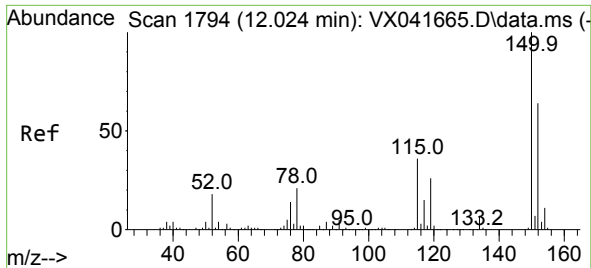
Ion Ratio Lower Upper

117 100

82 50.2 46.2 69.4

119 31.8 25.5 38.3

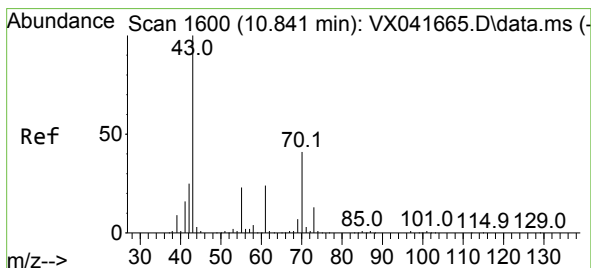
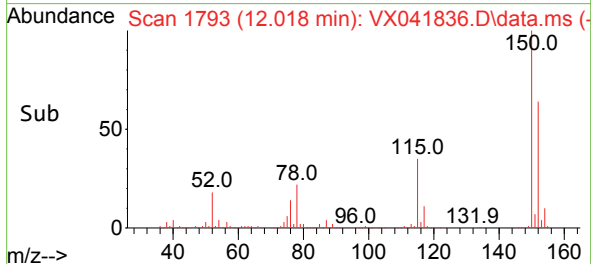
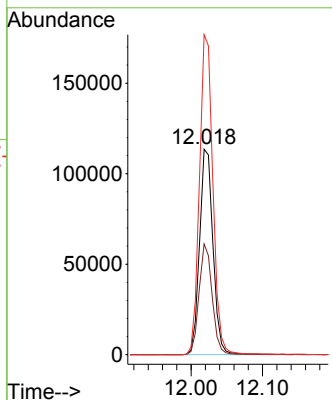
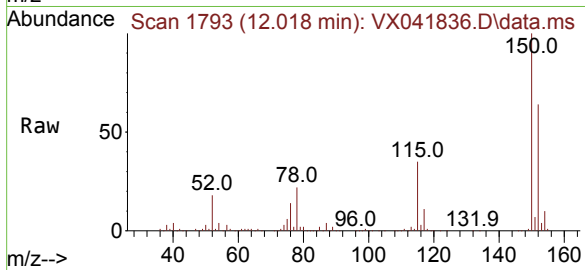




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

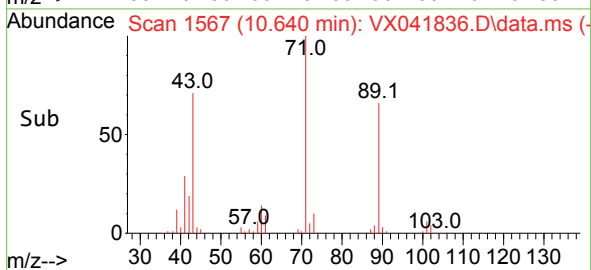
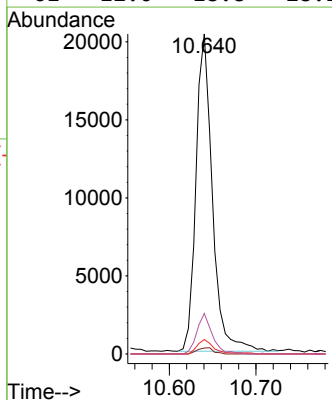
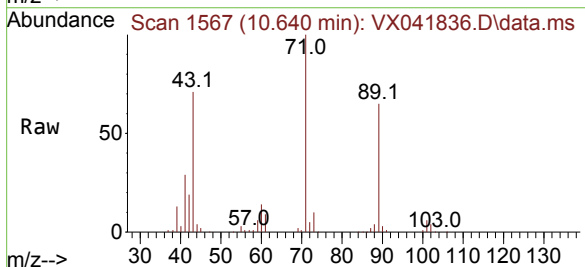
Instrument :
MSVOA_X
ClientSampleId :

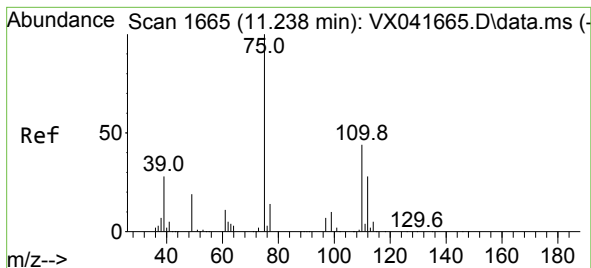
Tgt Ion:152 Resp: 148480
Ion Ratio Lower Upper
152 100
115 52.6 43.3 129.9
150 155.5 0.0 345.0



#74
N-ethyl acetate
Concen: 6.560 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX041836.D
Acq: 12 Jun 2024 12:52

Tgt Ion: 43 Resp: 26763
Ion Ratio Lower Upper
43 100
70 1.9 32.9 49.3#
55 4.7 19.3 28.9#
61 12.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.542 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

Instrument :

MSVOA_X

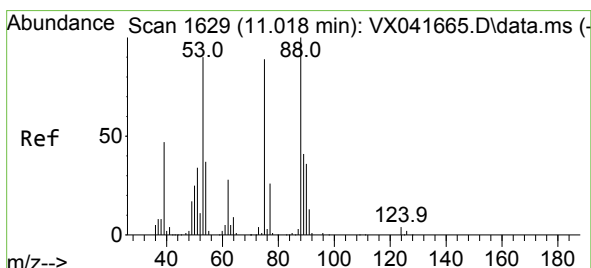
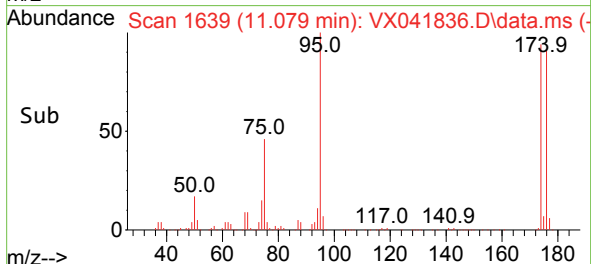
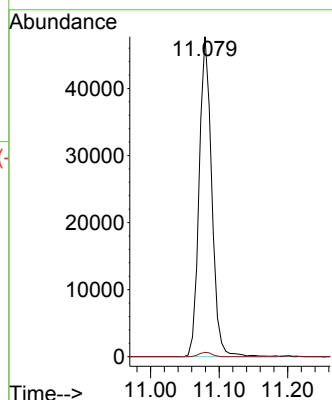
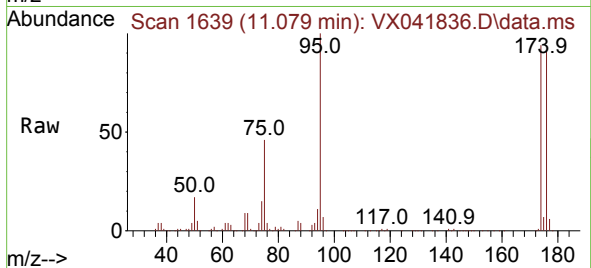
ClientSampleId :

Tgt Ion: 75 Resp: 60989

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.163 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041836.D

Acq: 12 Jun 2024 12:52

Tgt Ion: 75 Resp: 60989

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

