

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
 Data File : VX041254.D
 Acq On : 26 Apr 2024 13:23
 Operator : JC/MD
 Sample : PB160528ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 27 02:16:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

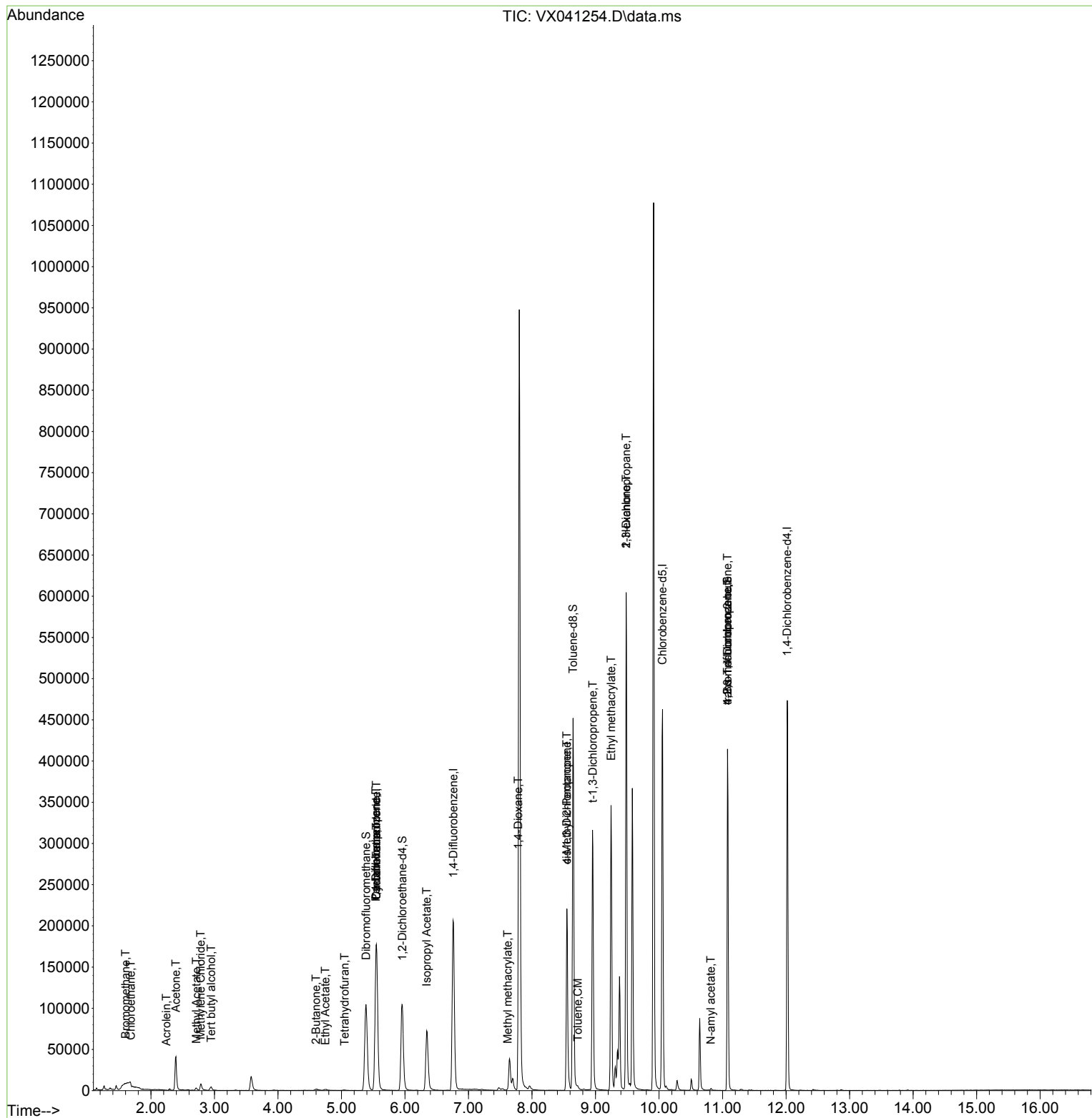
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	199421	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	227770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	106018	55.848	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	=	111.700%	
35) Dibromofluoromethane	5.385	113	90806	65.540	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	=	131.080%#	
50) Toluene-d8	8.647	98	266108	56.928	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	=	113.860%#	
62) 4-Bromofluorobenzene	11.079	95	97822	56.697	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	=	113.400%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	472	0.491	ug/l	# 69
6) Chloroethane	1.685	64	226	0.348	ug/l	# 43
11) Tert butyl alcohol	2.947	59	2933	8.624	ug/l	# 78
13) Acrolein	2.239	56	86	0.225	ug/l	# 14
16) Acetone	2.392	43	46938	67.929	ug/l	93
18) Methyl Acetate	2.715	43	4122	2.017	ug/l	95
20) Methylene Chloride	2.782	84	4712	2.792	ug/l	# 85
25) 2-Butanone	4.599	43	2943	2.494	ug/l	# 80
29) Tetrahydrofuran	5.050	42	740	0.920	ug/l	# 62
31) Cyclohexane	5.550	56	3000	1.174	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	11865	6.693	ug/l	# 51
37) Ethyl Acetate	4.745	43	2072	1.065	ug/l	# 93
38) Carbon Tetrachloride	5.550	117	16466	8.316	ug/l	# 14
43) Isopropyl Acetate	6.342	43	106170	33.886	ug/l	98
48) Methyl methacrylate	7.616	41	3115	2.102	ug/l	# 16
49) 1,4-Dioxane	7.781	88	101	3.166	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	79175	40.372	ug/l	# 50
52) Toluene	8.720	92	921	0.267	ug/l	94
53) t-1,3-Dichloropropene	8.958	75	709	0.401	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	35078	17.435	ug/l	# 60
56) Ethyl methacrylate	9.244	69	806	0.392	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	5508	2.472	ug/l	# 42
59) 2-Hexanone	9.482	43	75775	50.386	ug/l	# 51
74) N-amyl acetate	10.817	43	933	0.355	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	49694	28.726	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	49694	81.045	ug/l	# 5

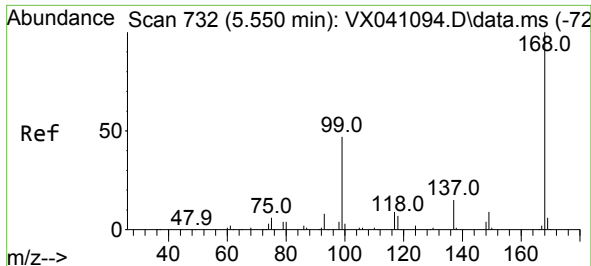
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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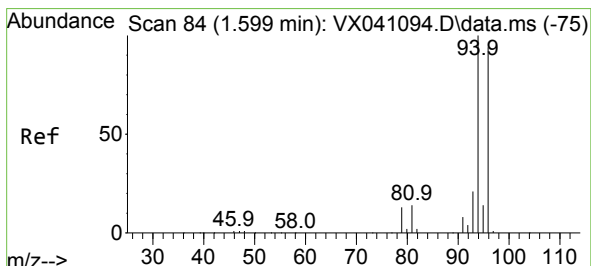
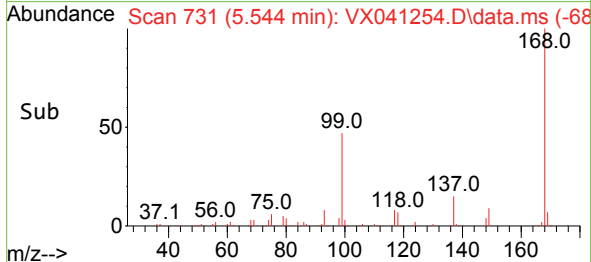
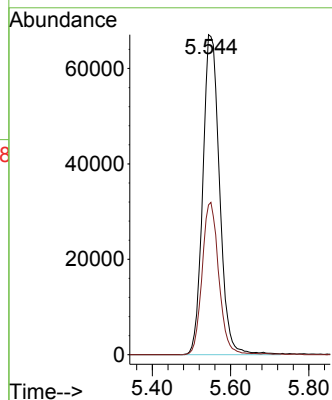
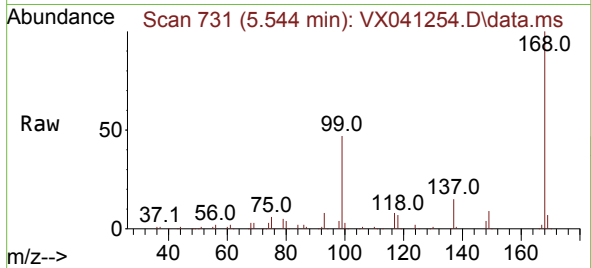




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

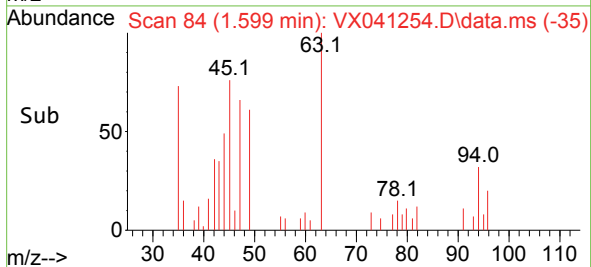
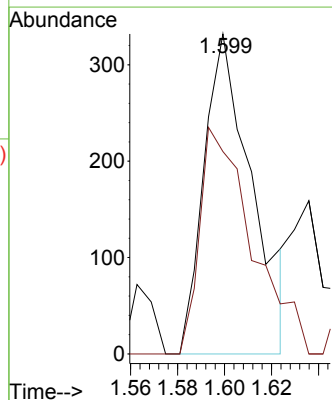
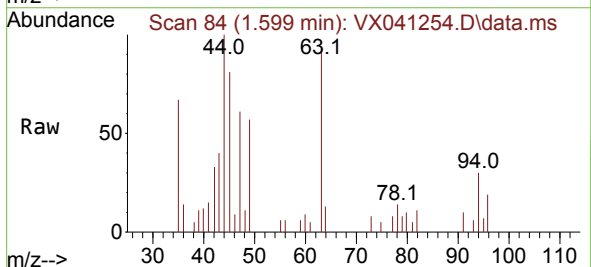
Instrument :
MSVOA_X
ClientSampleId :

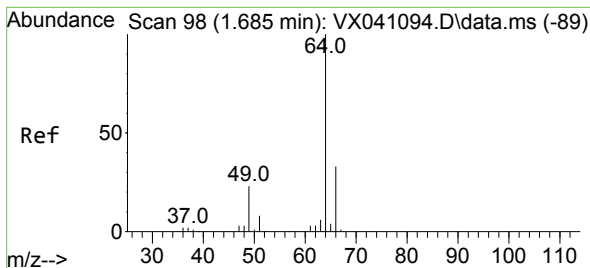
Tgt Ion:168 Resp: 199421
Ion Ratio Lower Upper
168 100
99 46.8 56.6 85.0#



#5
Bromomethane
Concen: 0.491 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

Tgt Ion: 94 Resp: 472
Ion Ratio Lower Upper
94 100
96 63.3 74.6 111.8#





#6

Chloroethane

Concen: 0.348 ug/l

RT: 1.685 min Scan# 91

Delta R.T. 0.018 min

Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

Instrument :

MSVOA_X

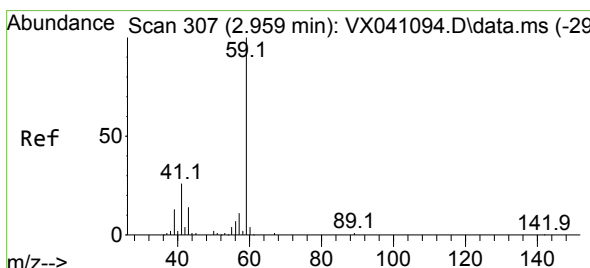
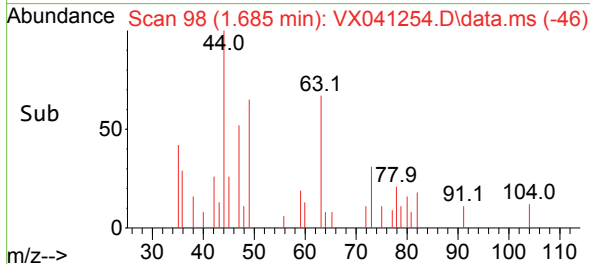
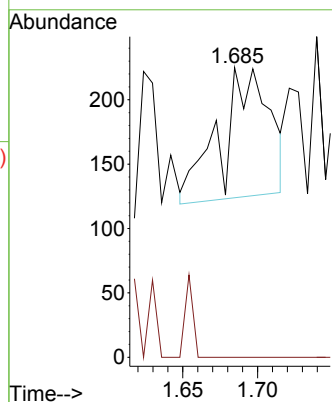
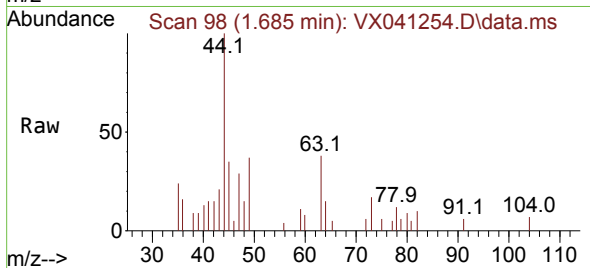
ClientSampleId :

Tgt Ion: 64 Resp: 226

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 8.624 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.116 min

Lab File: VX041254.D

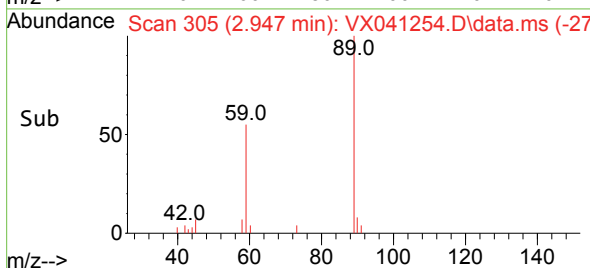
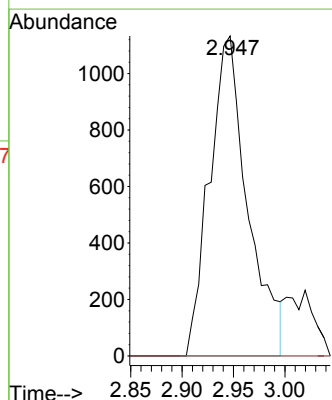
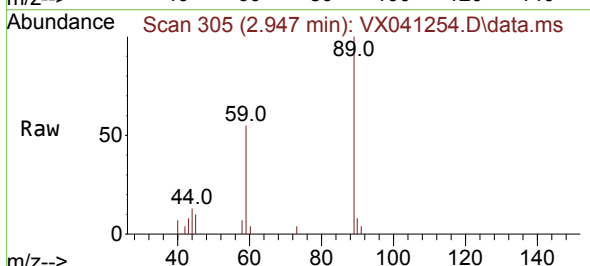
Acq: 26 Apr 2024 13:23

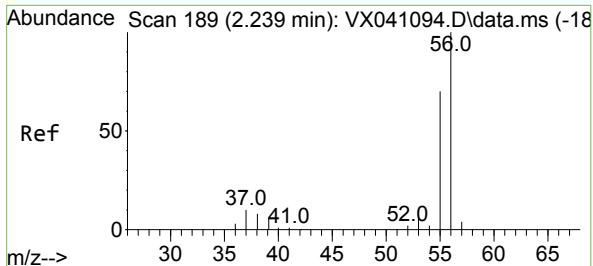
Tgt Ion: 59 Resp: 2933

Ion Ratio Lower Upper

59 100

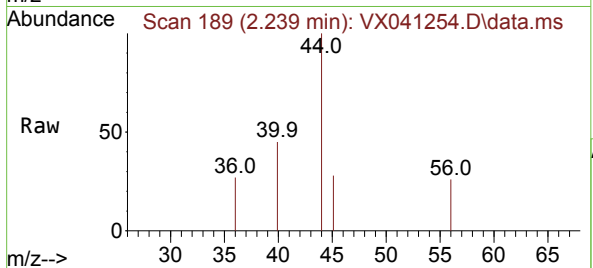
57 0.0 6.0 9.0#



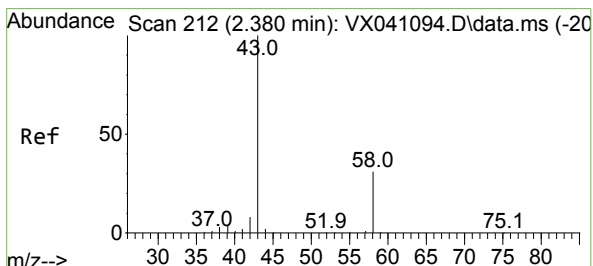
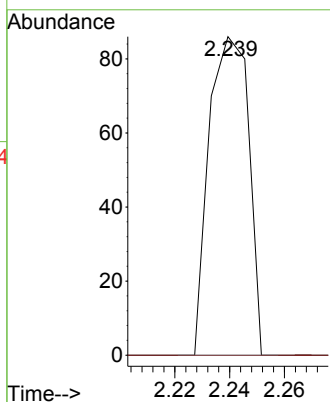
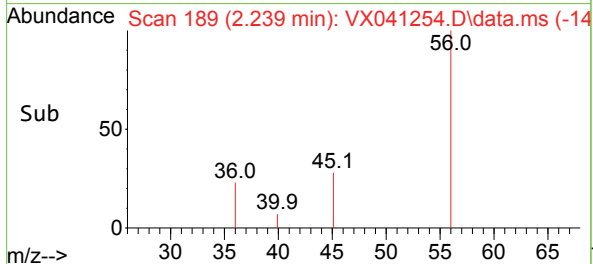


#13
Acrolein
Concen: 0.225 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

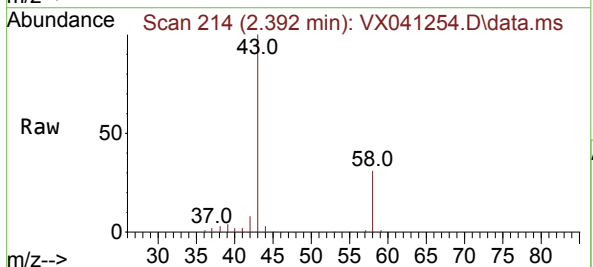
Instrument :
MSVOA_X
ClientSampleId :



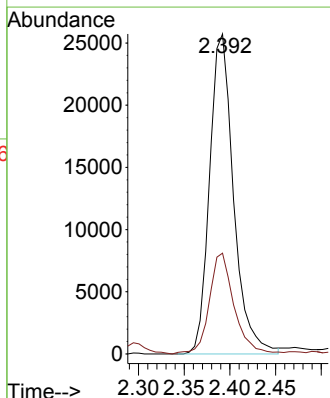
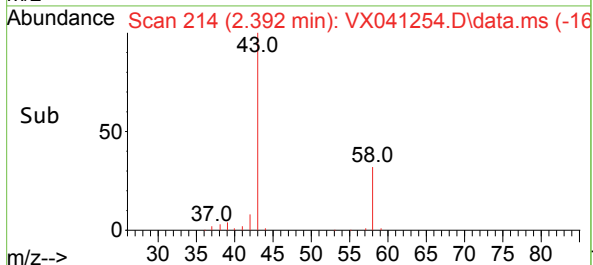
Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

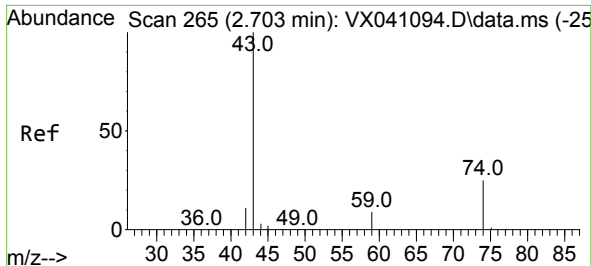


#16
Acetone
Concen: 67.929 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23



Tgt Ion: 43 Resp: 46938
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9

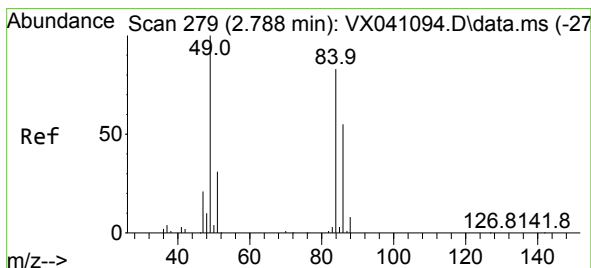
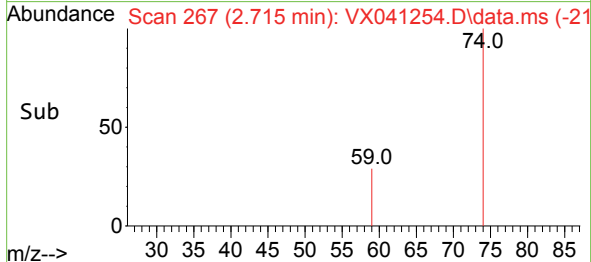
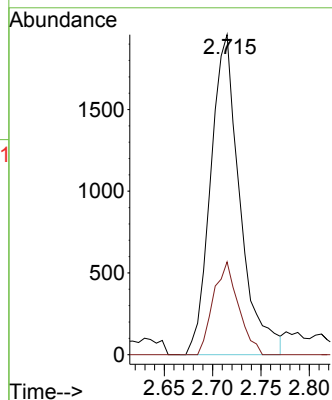
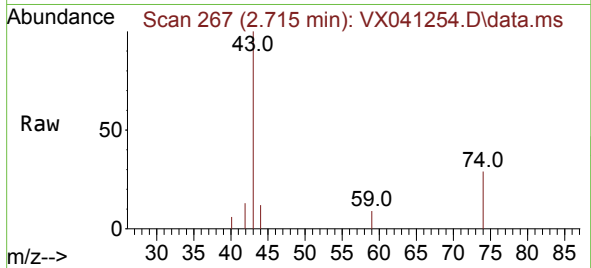




#18
Methyl Acetate
Concen: 2.017 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

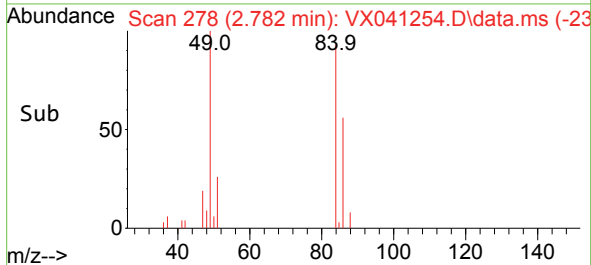
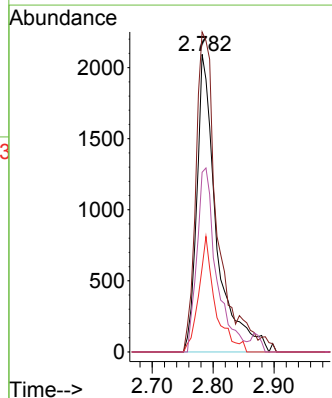
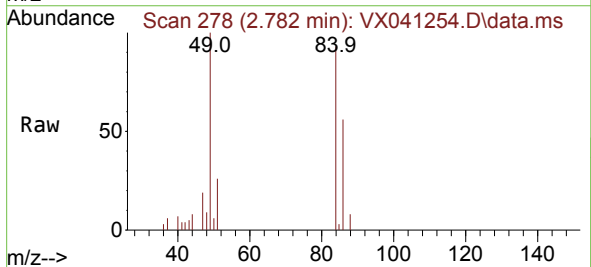
Instrument :
MSVOA_X
ClientSampleId :

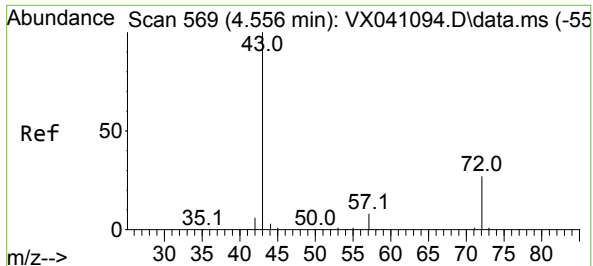
Tgt Ion: 43 Resp: 4122
Ion Ratio Lower Upper
43 100
74 24.8 17.8 26.8



#20
Methylene Chloride
Concen: 2.792 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

Tgt Ion: 84 Resp: 4712
Ion Ratio Lower Upper
84 100
49 107.5 103.6 155.4
51 28.3 33.8 50.6#
86 60.4 49.4 74.0





#25

2-Butanone

Concen: 2.494 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.030 min

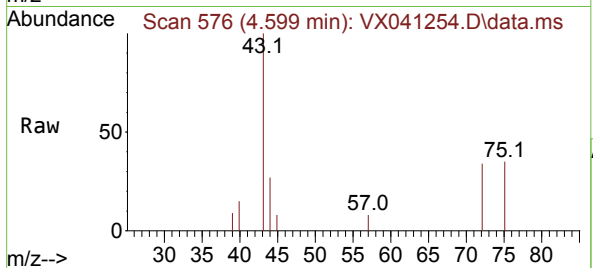
Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

Instrument :

MSVOA_X

ClientSampleId :

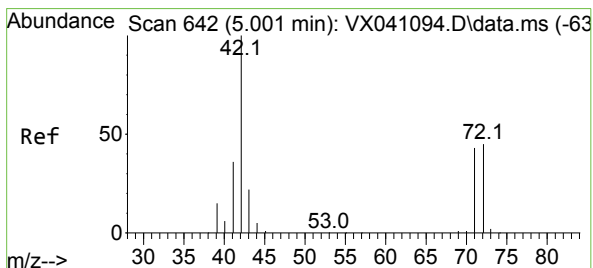
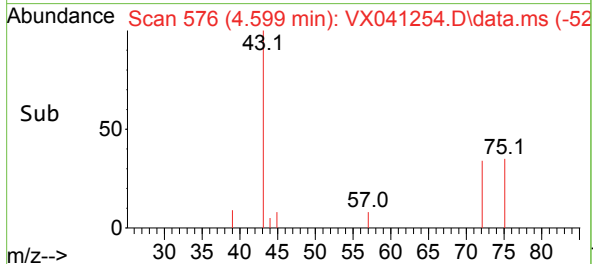
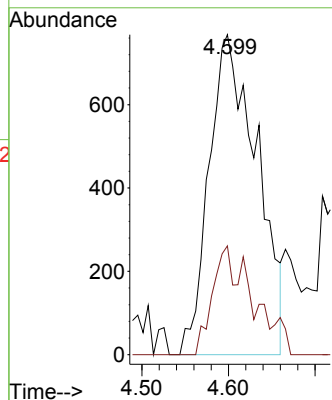


Tgt Ion: 43 Resp: 2943

Ion Ratio Lower Upper

43 100

72 34.0 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.920 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.037 min

Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

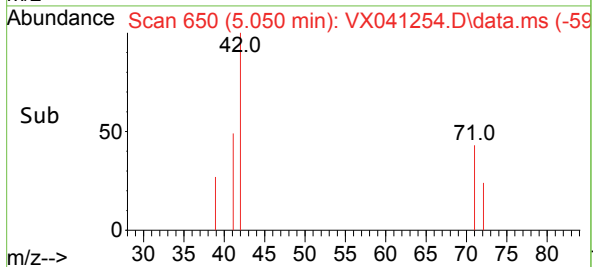
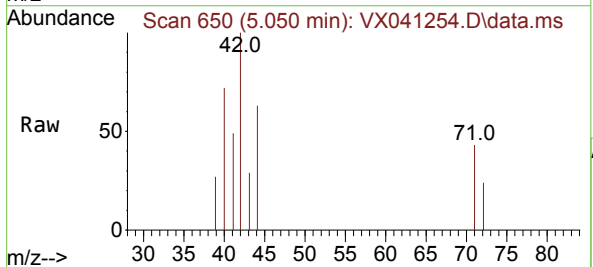
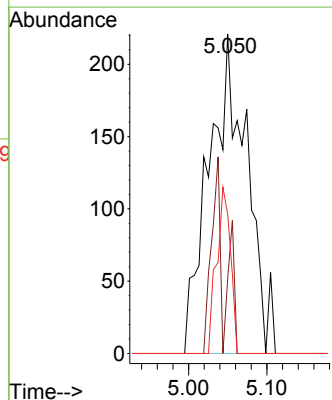
Tgt Ion: 42 Resp: 740

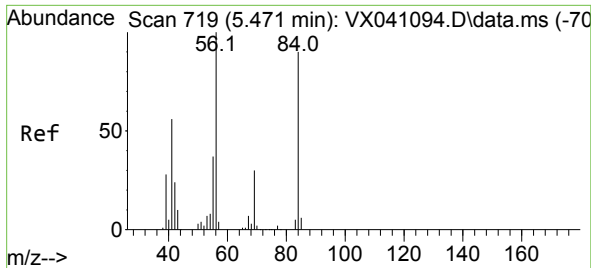
Ion Ratio Lower Upper

42 100

72 16.5 34.2 51.4#

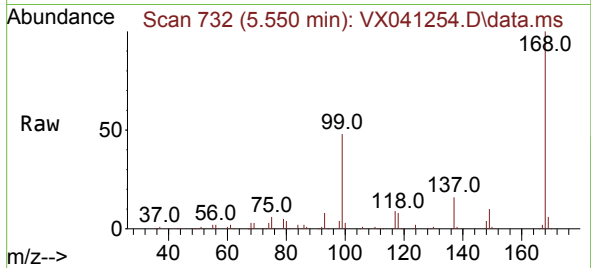
71 19.2 32.2 48.2#



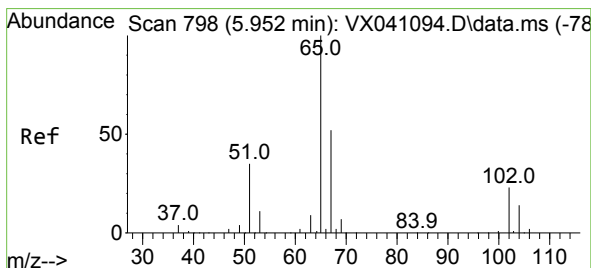
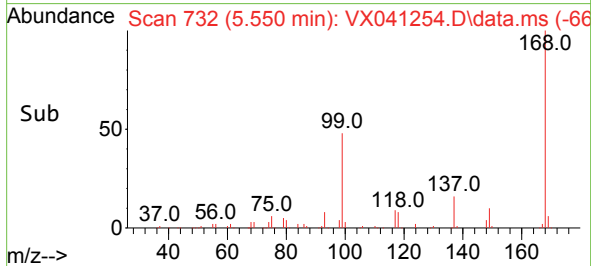
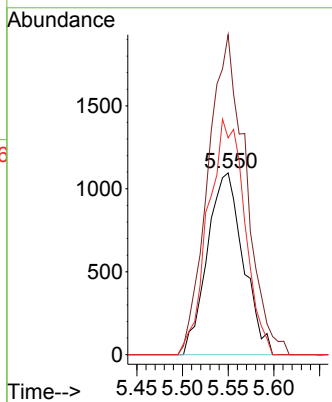


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

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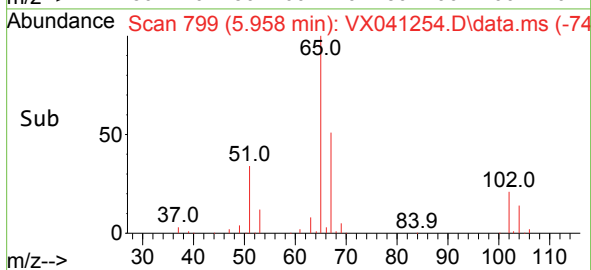
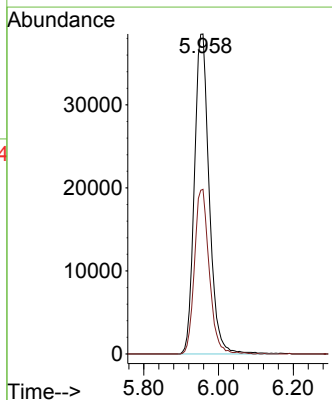
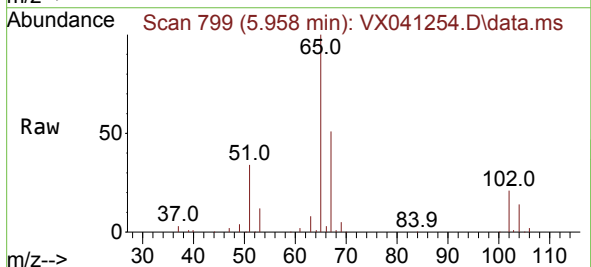


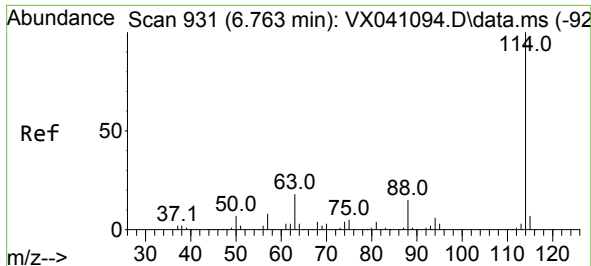
Tgt Ion: 56 Resp: 3000
Ion Ratio Lower Upper
56 100
69 176.0 23.4 35.2#
84 119.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 55.848 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

Tgt Ion: 65 Resp: 106018
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

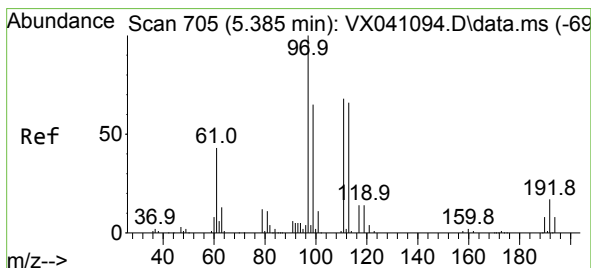
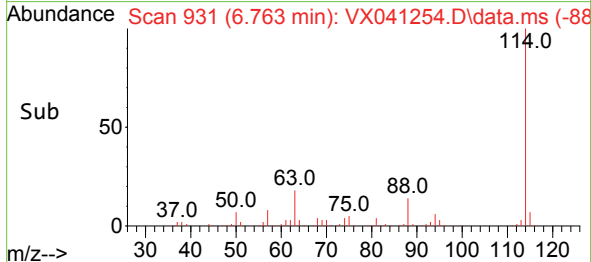
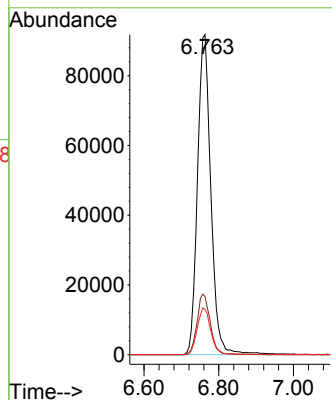
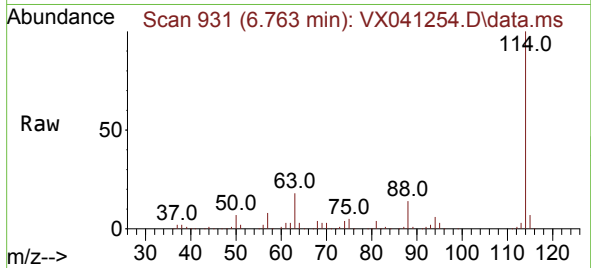




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

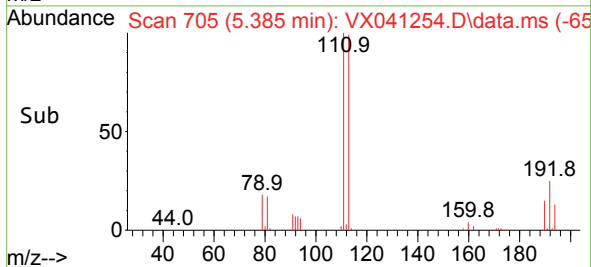
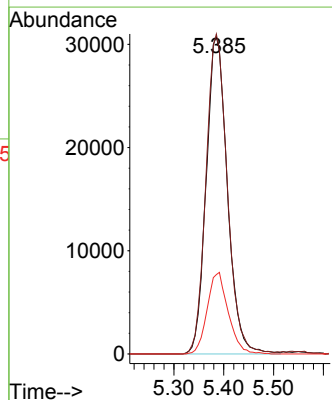
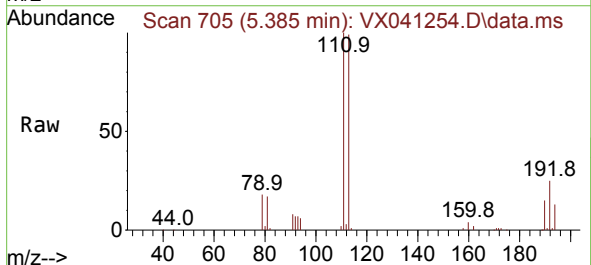
Instrument :
MSVOA_X
ClientSampleId :

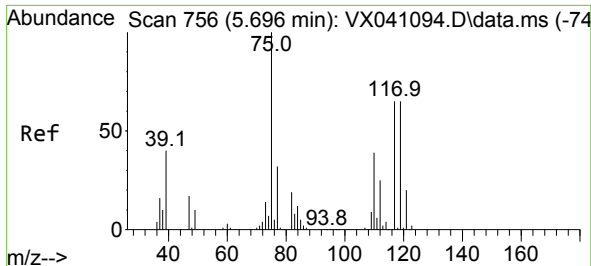
Tgt Ion:114 Resp: 227770
Ion Ratio Lower Upper
114 100
63 18.2 0.0 45.0
88 14.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 65.540 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

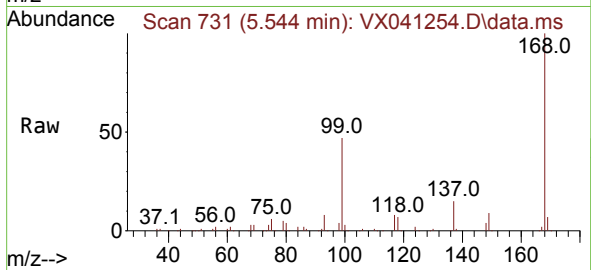
Tgt Ion:113 Resp: 90806
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 25.5 13.3 19.9#



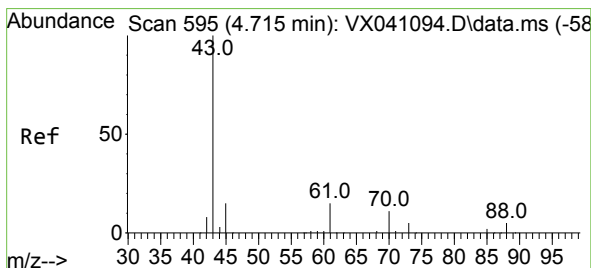
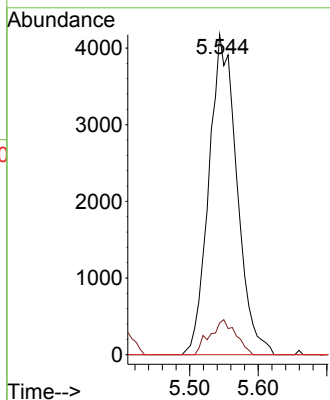
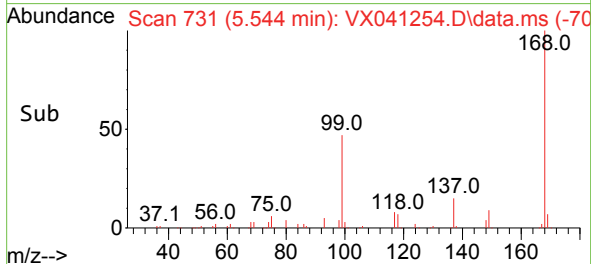


#36
1,1-Dichloropropene
Concen: 6.693 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

Instrument :
MSVOA_X
ClientSampleId :

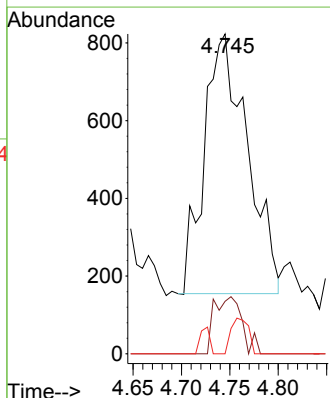
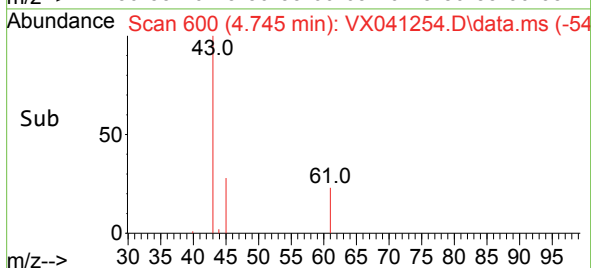
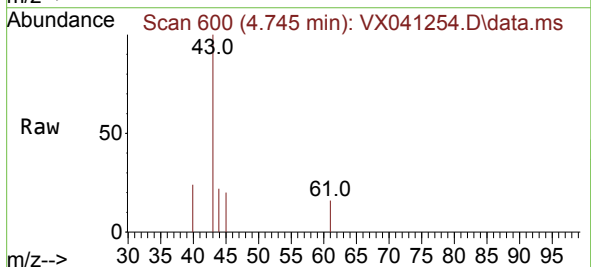


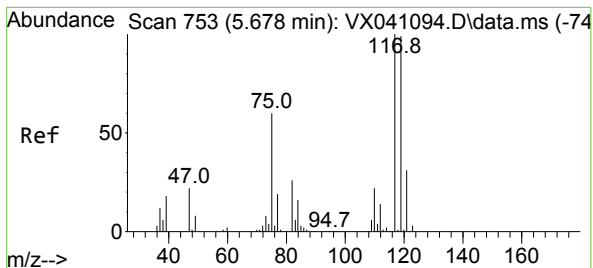
Tgt Ion: 75 Resp: 11865
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.065 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.024 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
61 14.1 10.6 16.0
70 5.6 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 8.316 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

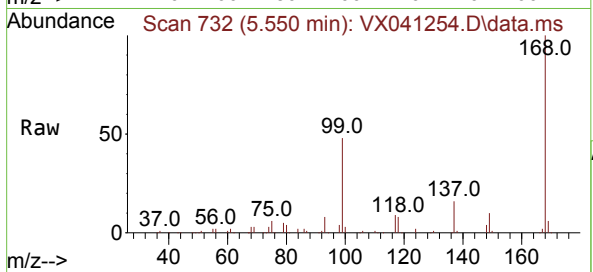
Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

Instrument :

MSVOA_X

ClientSampleId :



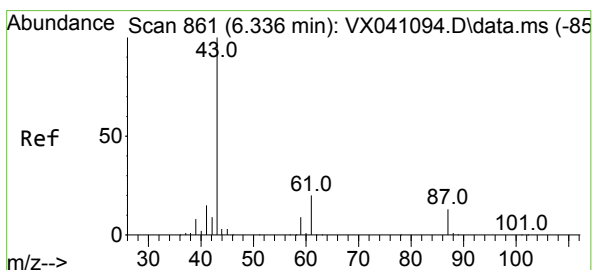
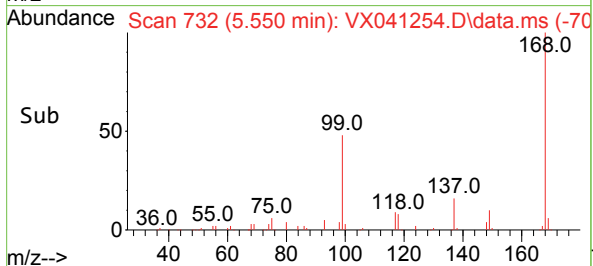
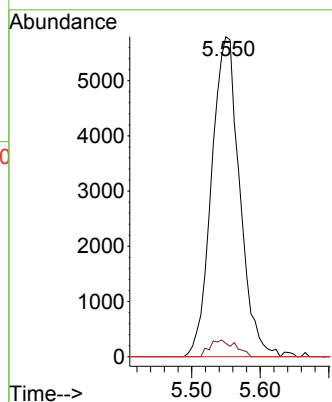
Tgt Ion:117 Resp: 16466

Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 33.886 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.006 min

Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

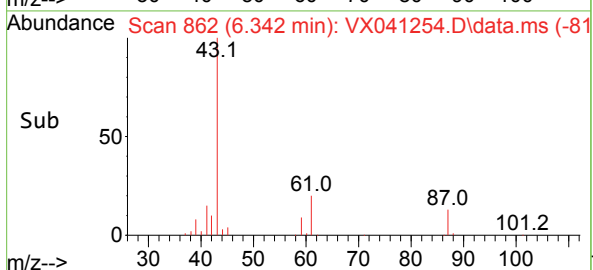
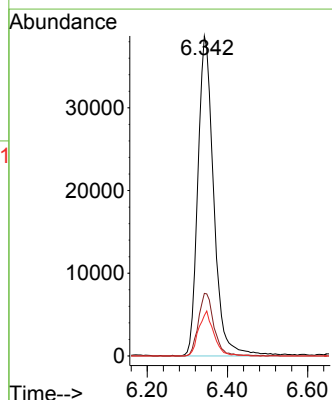
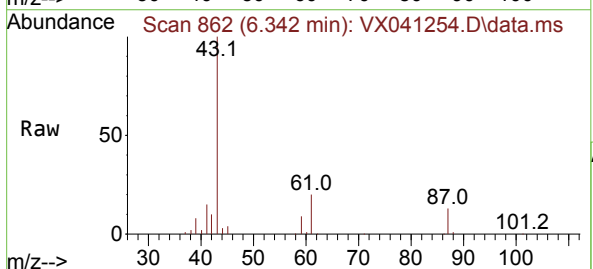
Tgt Ion: 43 Resp: 106170

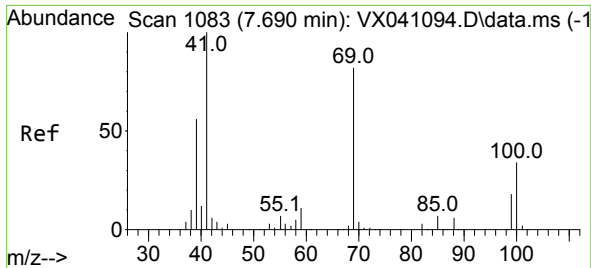
Ion Ratio Lower Upper

43 100

61 19.3 15.2 22.8

87 13.4 9.8 14.6





#48

Methyl methacrylate

Concen: 2.102 ug/l

RT: 7.616 min Scan# 1071

Delta R.T. -0.079 min

Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

Instrument :

MSVOA_X

ClientSampleId :

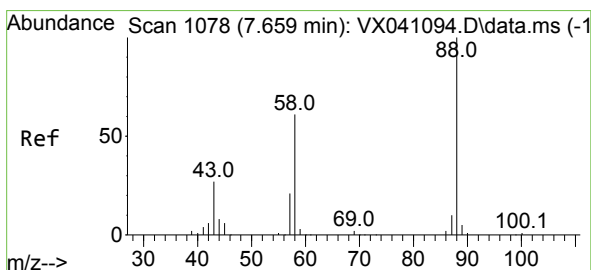
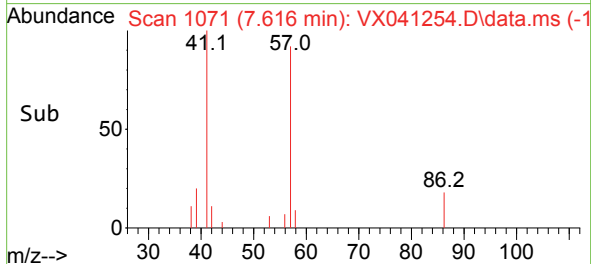
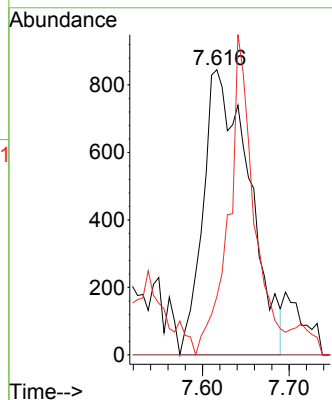
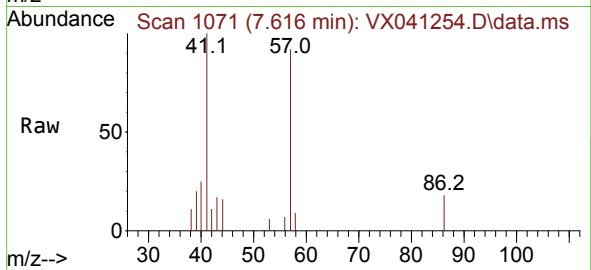
Tgt Ion: 41 Resp: 3115

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 0.0 47.7 71.5#



#49

1,4-Dioxane

Concen: 3.166 ug/l

RT: 7.781 min Scan# 1098

Delta R.T. 0.104 min

Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

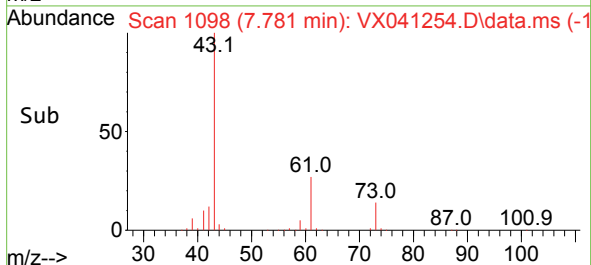
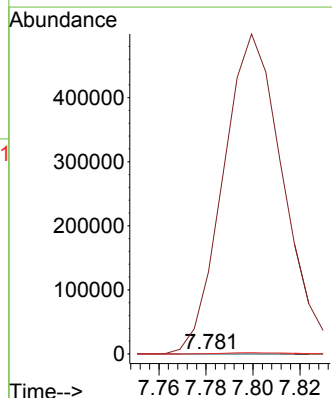
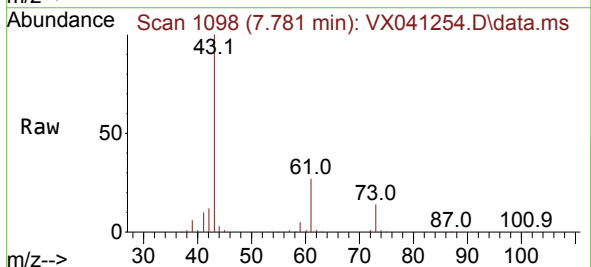
Tgt Ion: 88 Resp: 101

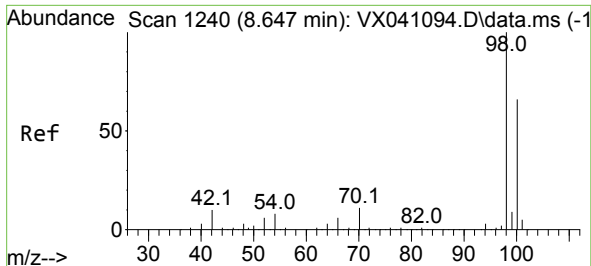
Ion Ratio Lower Upper

88 100

43 898978.2 0.0 0.0#

58 3819.8 60.1 90.1#

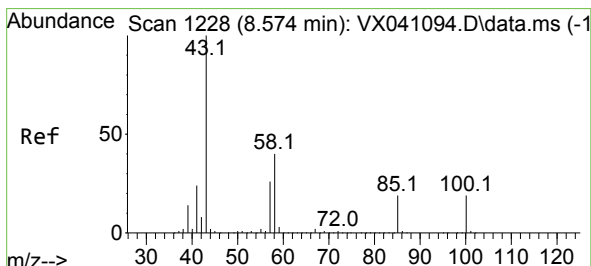
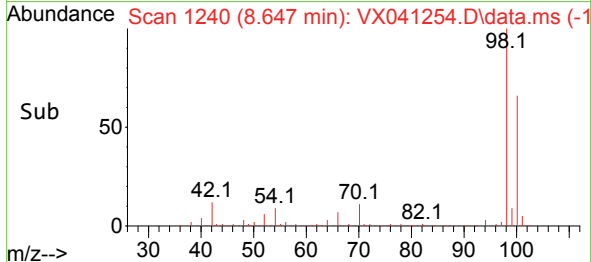
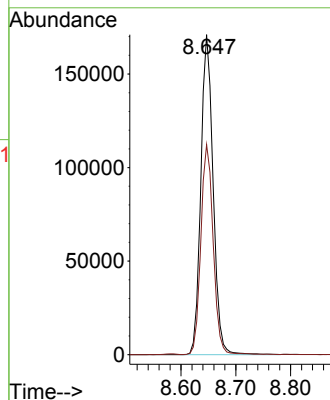
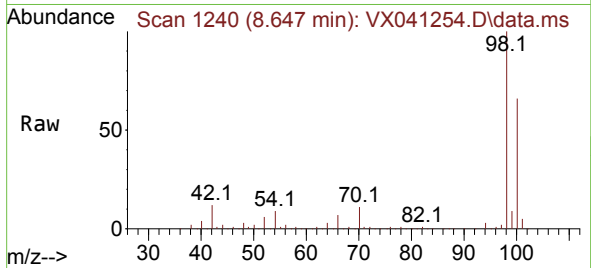




#50
Toluene-d8
Concen: 56.928 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

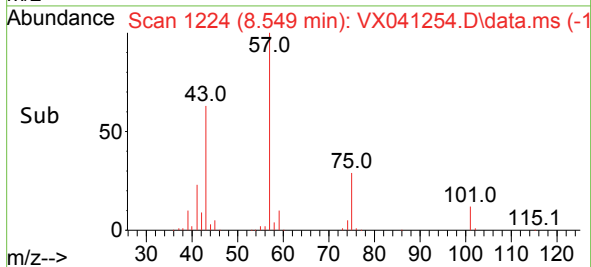
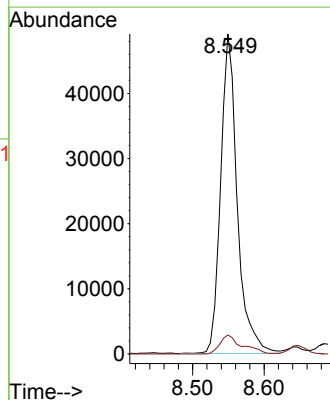
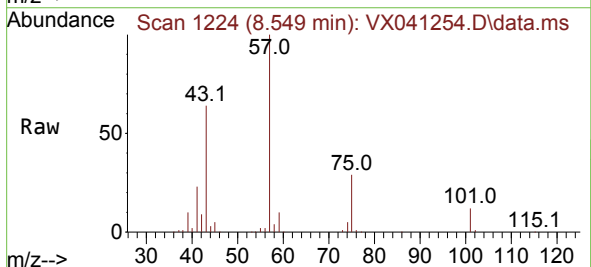
Instrument :
MSVOA_X
ClientSampleId :

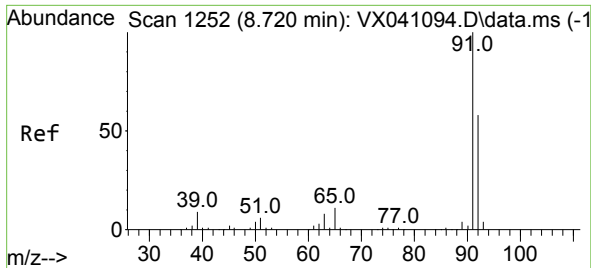
Tgt Ion: 98 Resp: 266108
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 40.372 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

Tgt Ion: 43 Resp: 79175
Ion Ratio Lower Upper
43 100
58 8.0 30.4 45.6#

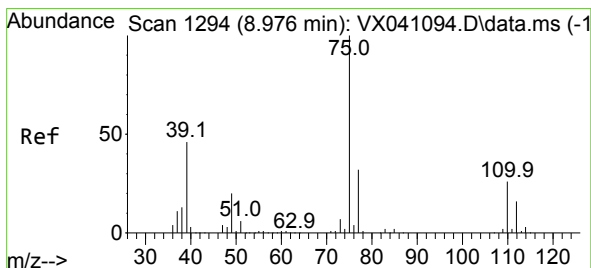
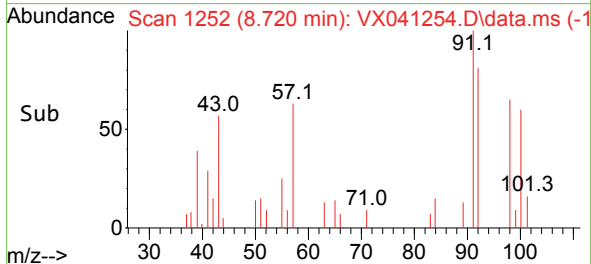
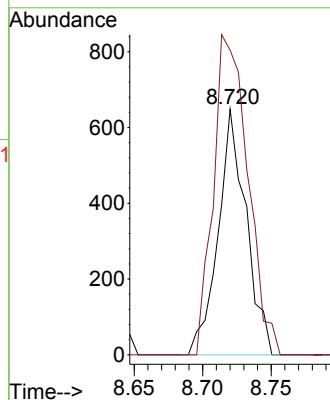
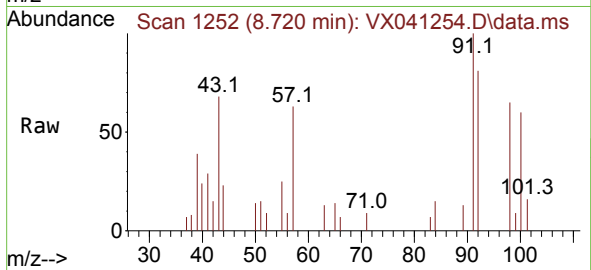




#52
Toluene
Concen: 0.267 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

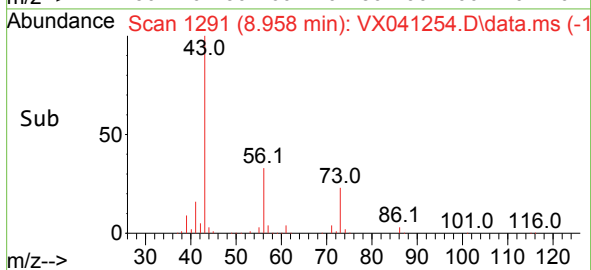
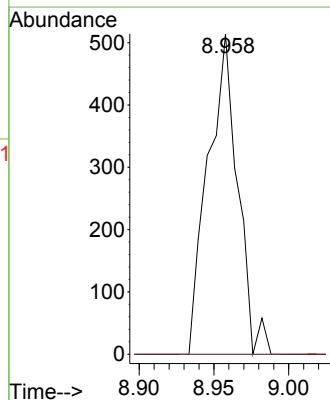
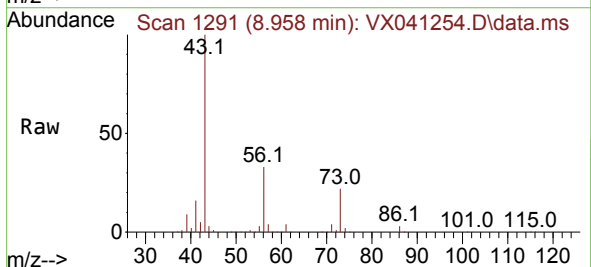
Instrument :
MSVOA_X
ClientSampleId :

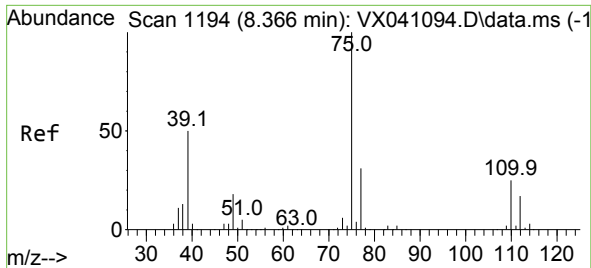
Tgt Ion: 92 Resp: 921
Ion Ratio Lower Upper
92 100
91 160.0 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.401 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

Tgt Ion: 75 Resp: 709
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

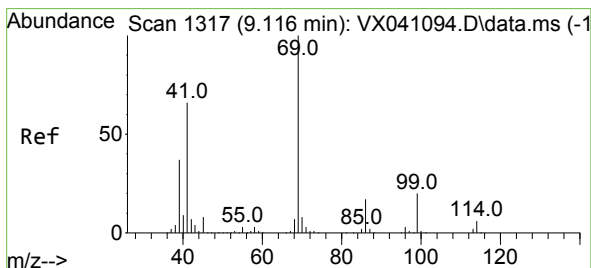
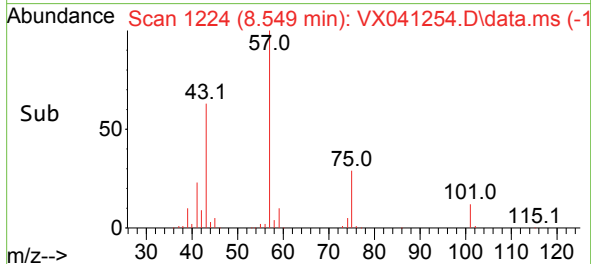
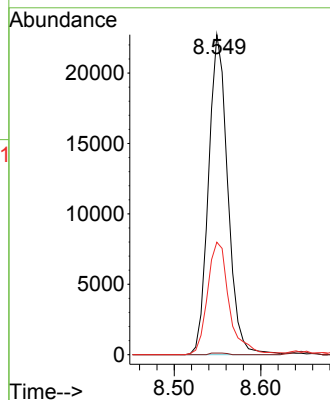
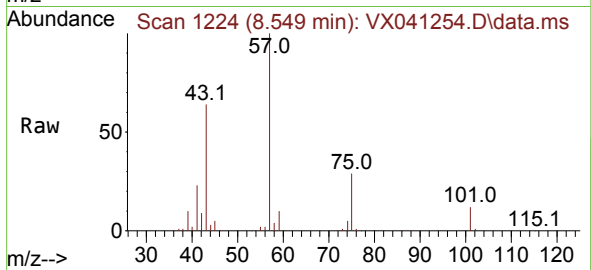




#54
 cis-1,3-Dichloropropene
 Concen: 17.435 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041254.D
 Acq: 26 Apr 2024 13:23

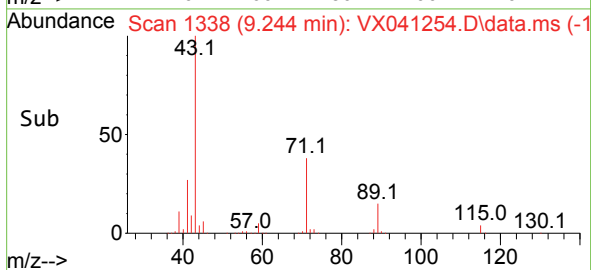
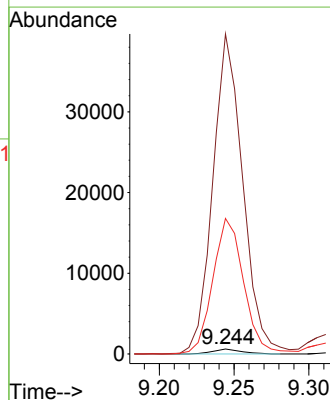
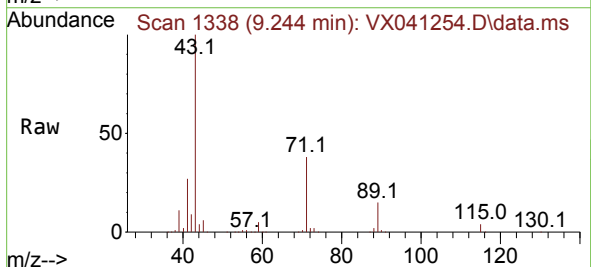
Instrument :
 MSVOA_X
 ClientSampleId :

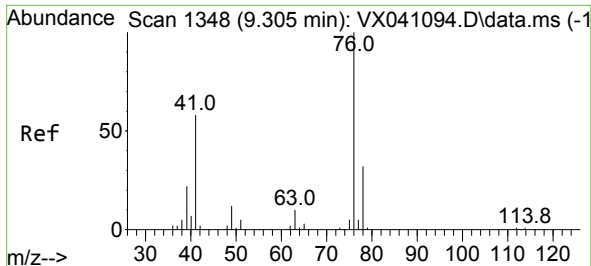
Tgt Ion: 75 Resp: 35078
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 35.2 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.392 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.122 min
 Lab File: VX041254.D
 Acq: 26 Apr 2024 13:23

Tgt Ion: 69 Resp: 806
 Ion Ratio Lower Upper
 69 100
 41 6864.1 56.8 85.2#
 39 3003.6 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 2.472 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

Instrument :

MSVOA_X

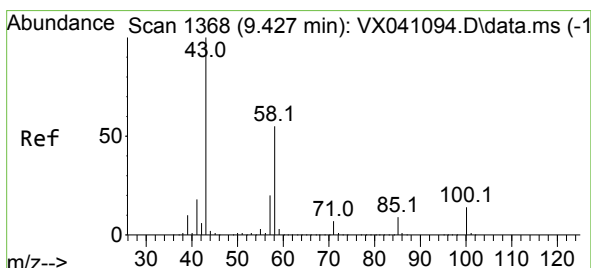
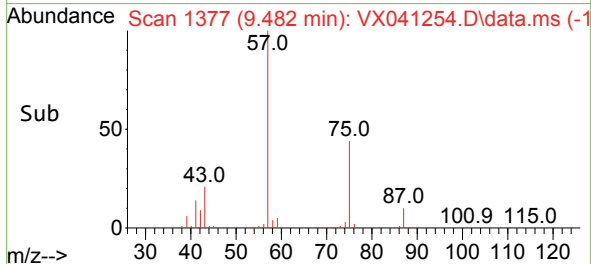
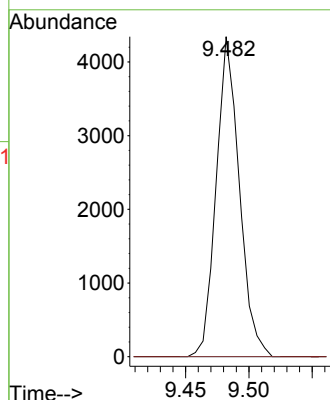
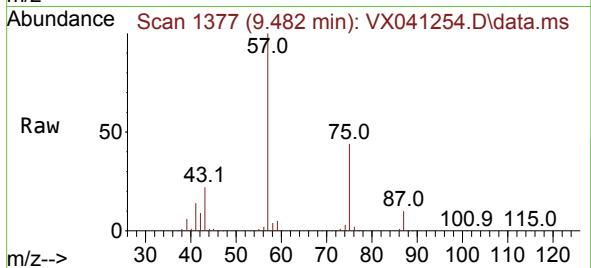
ClientSampleId :

Tgt Ion: 76 Resp: 5508

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 50.386 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041254.D

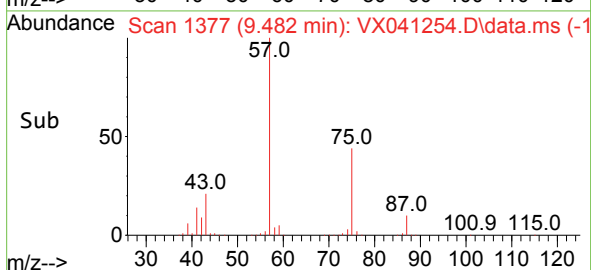
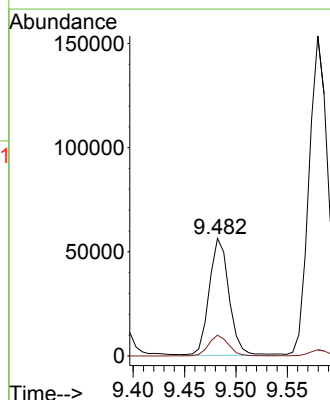
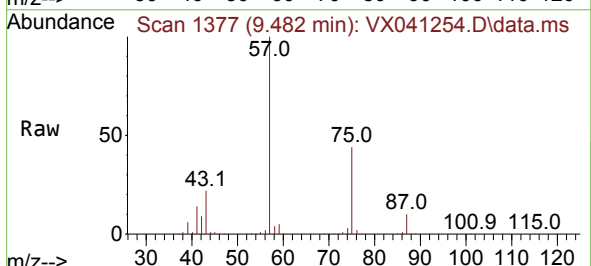
Acq: 26 Apr 2024 13:23

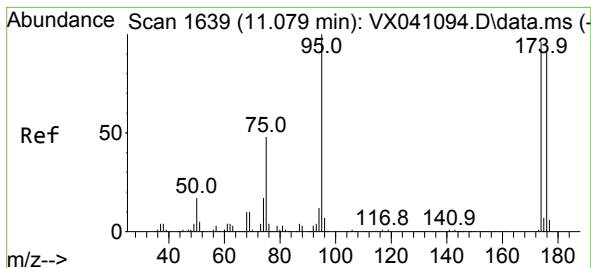
Tgt Ion: 43 Resp: 75775

Ion Ratio Lower Upper

43 100

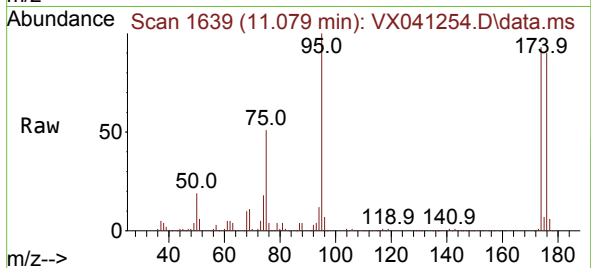
58 18.0 26.2 78.5#



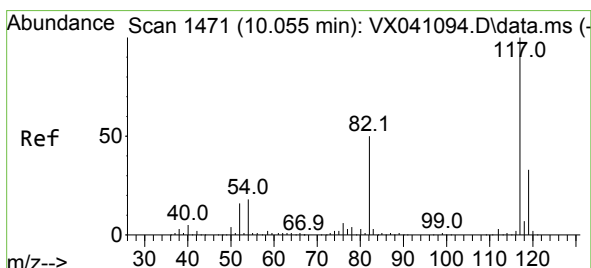
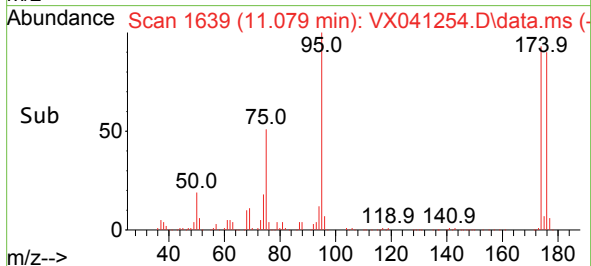
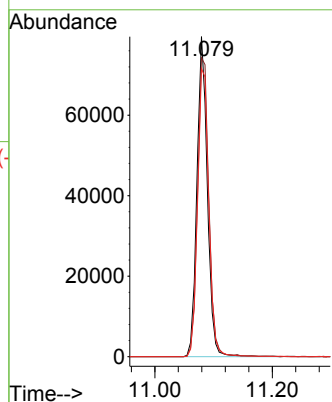


#62
4-Bromofluorobenzene
Concen: 56.697 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

Instrument :
MSVOA_X
ClientSampleId :

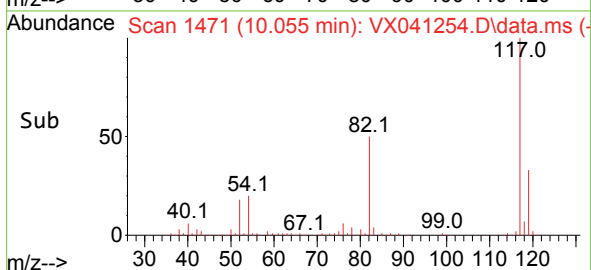
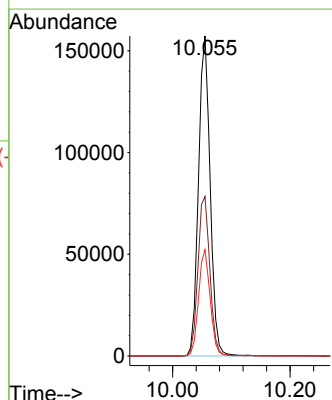
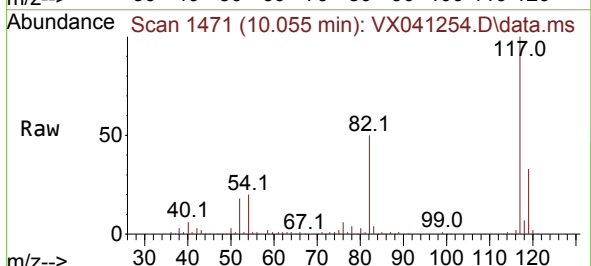


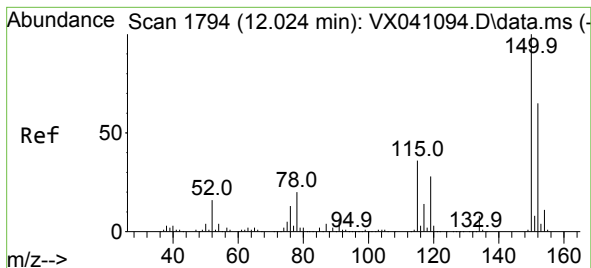
Tgt Ion: 95 Resp: 97822
Ion Ratio Lower Upper
95 100
174 101.3 0.0 135.6
176 97.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041254.D
Acq: 26 Apr 2024 13:23

Tgt Ion: 117 Resp: 216829
Ion Ratio Lower Upper
117 100
82 49.9 46.2 69.4
119 33.3 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: VX041254.D

Acq: 26 Apr 2024 13:23

Instrument :

MSVOA_X

ClientSampleId :

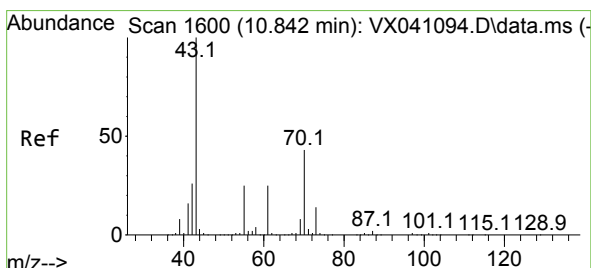
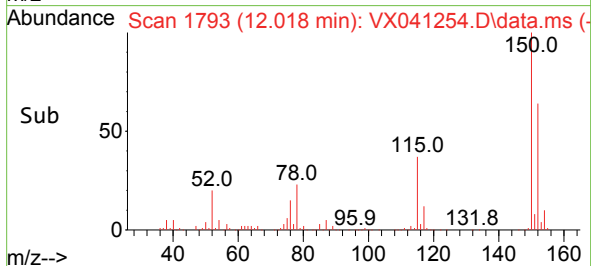
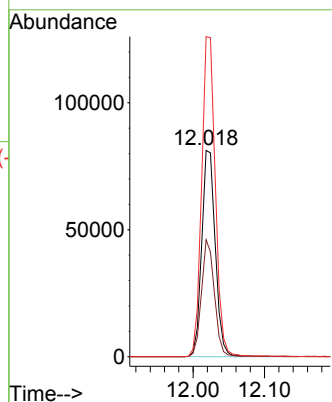
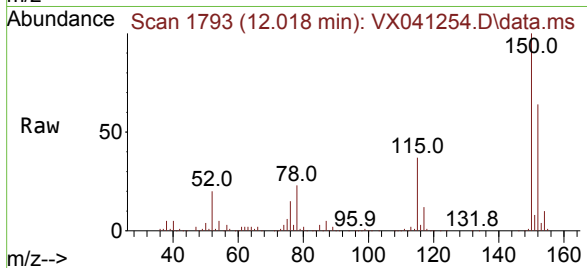
Tgt Ion:152 Resp: 107371

Ion Ratio Lower Upper

152 100

115 54.0 43.3 129.9

150 155.7 0.0 345.0



#74

N-ethyl acetate

Concen: 0.355 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

Tgt Ion: 43 Resp: 933

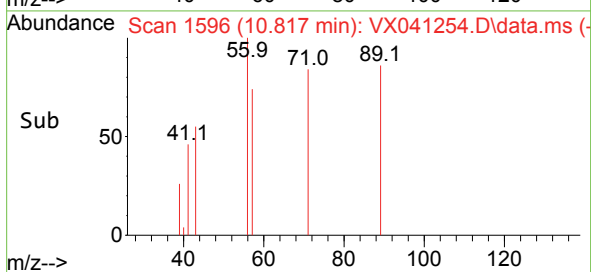
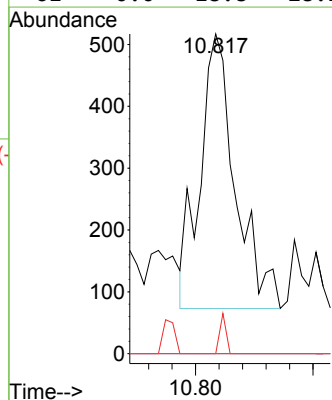
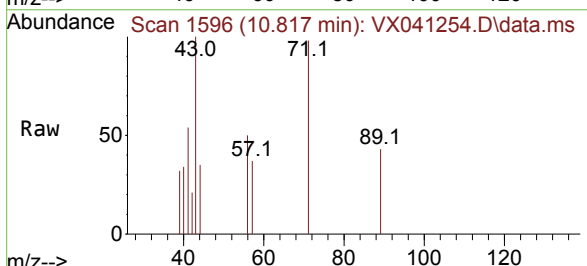
Ion Ratio Lower Upper

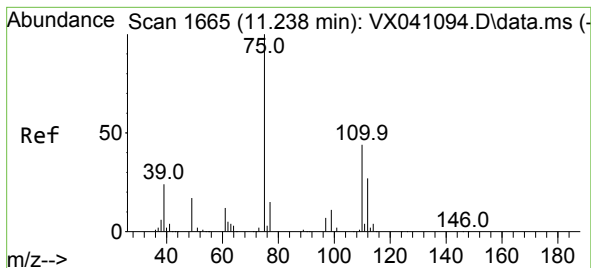
43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 28.726 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

Instrument :

MSVOA_X

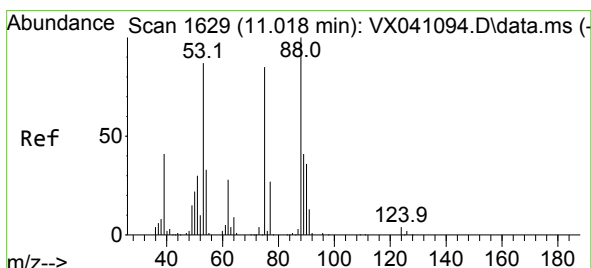
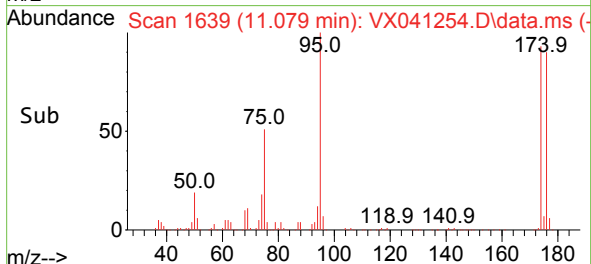
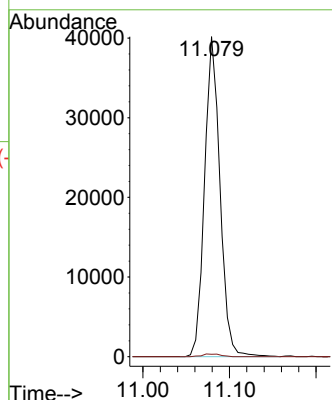
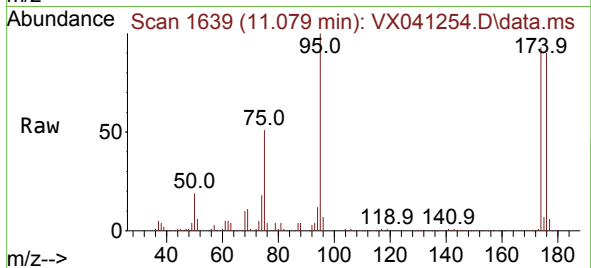
ClientSampleId :

Tgt Ion: 75 Resp: 49694

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.045 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041254.D

Acq: 26 Apr 2024 13:23

Tgt Ion: 75 Resp: 49694

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

