

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
 Data File : VX041252.D
 Acq On : 26 Apr 2024 12:37
 Operator : JC/MD
 Sample : PB160528ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 27 02:15:48 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

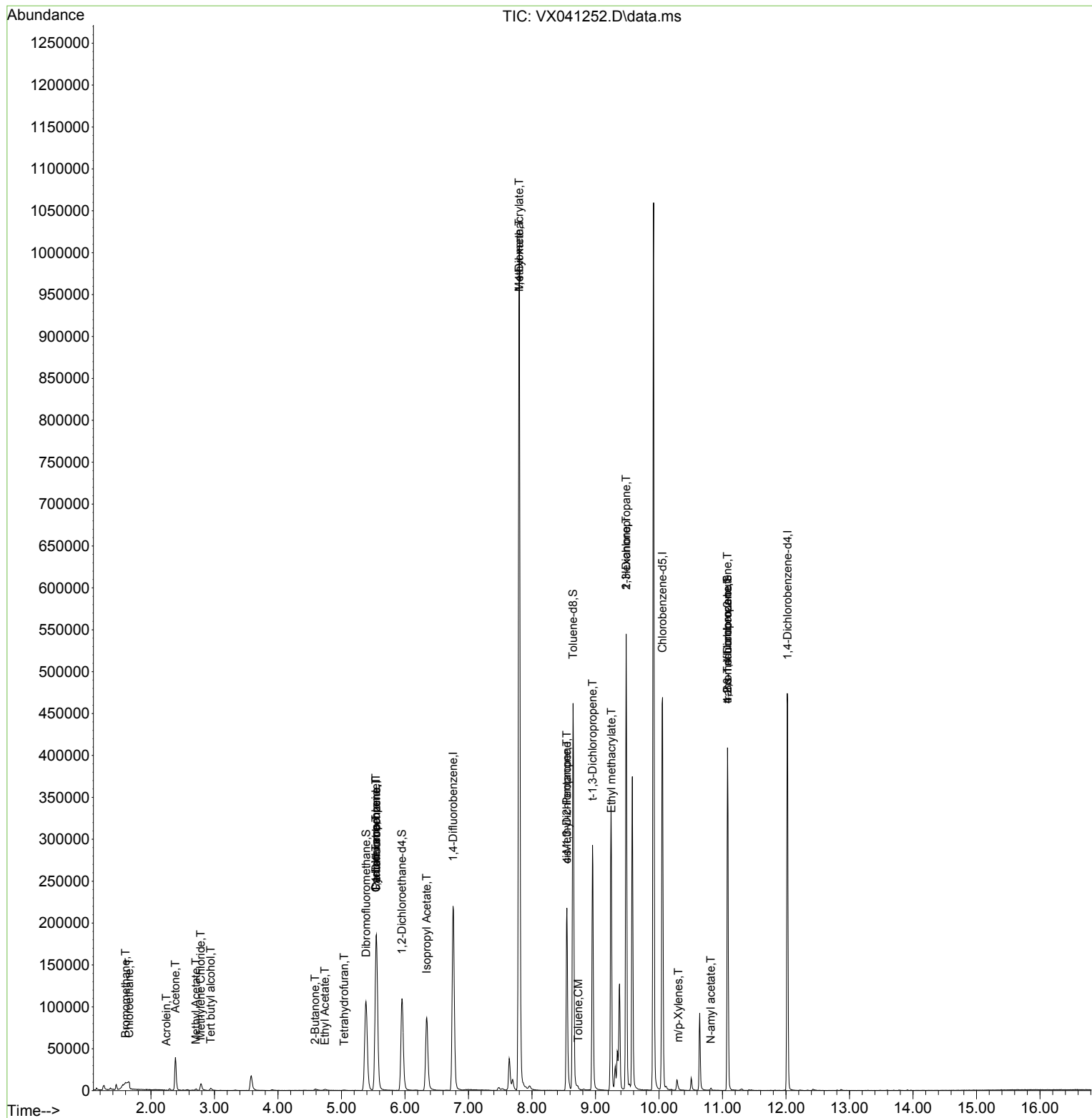
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	203650	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	237597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110320	56.907	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.820%	
35) Dibromofluoromethane	5.385	113	93098	64.415	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 128.840%#	
50) Toluene-d8	8.647	98	270991	55.574	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 111.140%	
62) 4-Bromofluorobenzene	11.079	95	96636	53.693	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.380%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	598	0.609	ug/l	85
6) Chloroethane	1.654	64	154	0.232	ug/l	# 36
11) Tert butyl alcohol	2.941	59	1877	5.405	ug/l	# 78
13) Acrolein	2.240	56	115	0.295	ug/l	# 43
16) Acetone	2.386	43	42321	59.975	ug/l	90
18) Methyl Acetate	2.709	43	2274	1.089	ug/l	99
20) Methylene Chloride	2.782	84	4148	2.407	ug/l	94
25) 2-Butanone	4.587	43	3425	2.842	ug/l	# 83
29) Tetrahydrofuran	5.044	42	532	0.648	ug/l	# 56
31) Cyclohexane	5.544	56	3344	1.282	ug/l	# 13
36) 1,1-Dichloropropene	5.544	75	12589	6.808	ug/l	# 51
37) Ethyl Acetate	4.739	43	2511	1.238	ug/l	# 93
38) Carbon Tetrachloride	5.544	117	17534	8.489	ug/l	# 16
43) Isopropyl Acetate	6.342	43	124610	38.126	ug/l	98
48) Methyl methacrylate	7.799	41	91972	59.495	ug/l	# 49
49) 1,4-Dioxane	7.799	88	179	5.380	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	78484	38.364	ug/l	# 50
52) Toluene	8.726	92	948	0.263	ug/l	96
53) t-1,3-Dichloropropene	8.952	75	778	0.421	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	35100	16.724	ug/l	# 59
56) Ethyl methacrylate	9.250	69	726	0.338	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	4693	2.019	ug/l	# 42
59) 2-Hexanone	9.482	43	66155	42.170	ug/l	# 53
68) m/p-Xylenes	10.305	106	661	0.227	ug/l	80
74) N-amyl acetate	10.817	43	710	0.267	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	50506	28.796	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	50506	81.244	ug/l	# 5

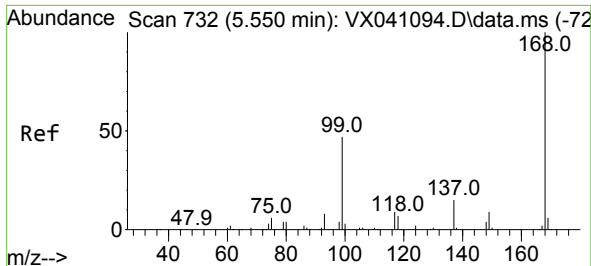
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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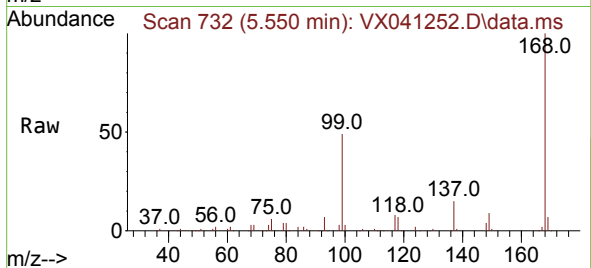
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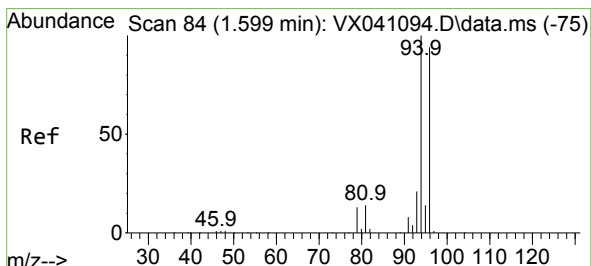
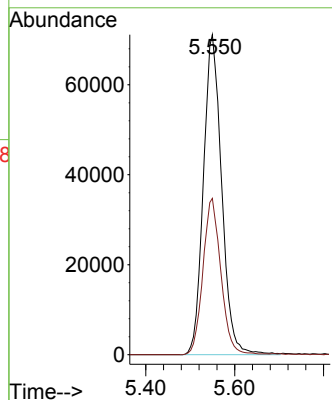
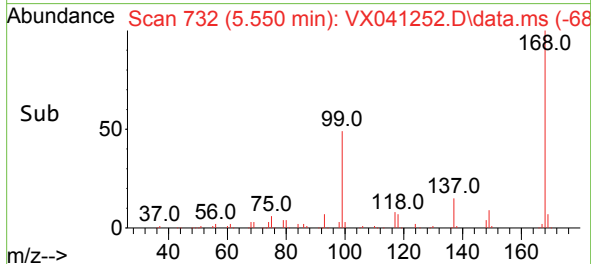


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :

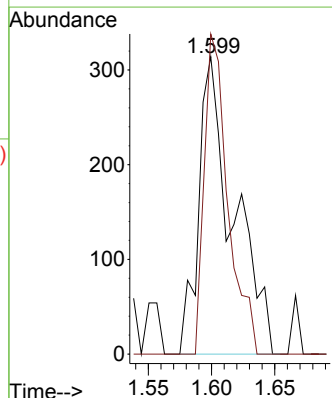
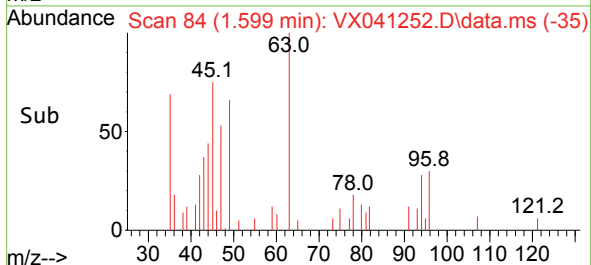
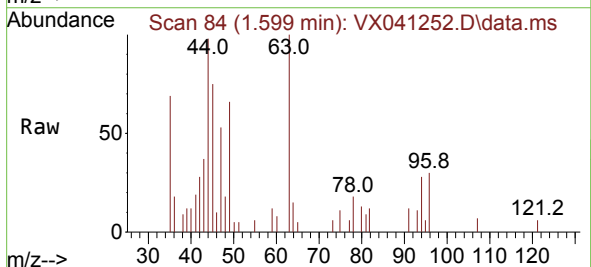


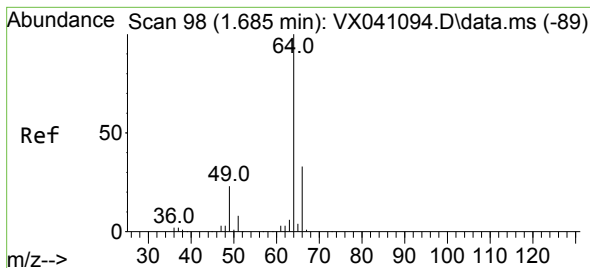
Tgt Ion:168 Resp: 203650
Ion Ratio Lower Upper
168 100
99 48.8 56.6 85.0#



#5
Bromomethane
Concen: 0.609 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 107.6 74.6 111.8





#6

Chloroethane

Concen: 0.232 ug/l

RT: 1.654 min Scan# 91

Delta R.T. -0.012 min

Lab File: VX041252.D

Acq: 26 Apr 2024 12:37

Instrument :

MSVOA_X

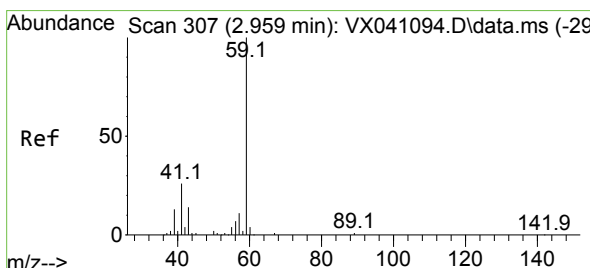
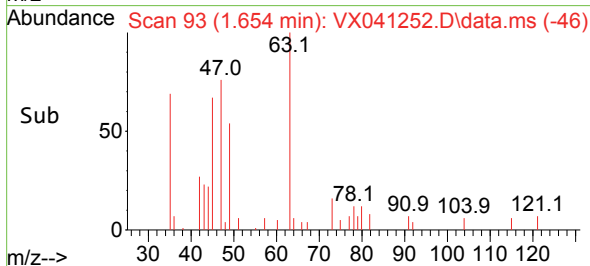
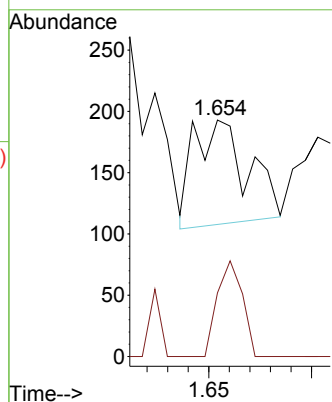
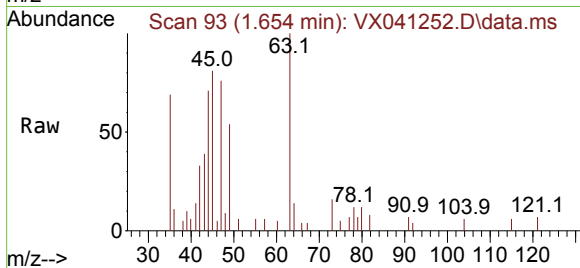
ClientSampleId :

Tgt Ion: 64 Resp: 154

Ion Ratio Lower Upper

64 100

66 66.7 25.1 37.7#



#11

Tert butyl alcohol

Concen: 5.405 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.122 min

Lab File: VX041252.D

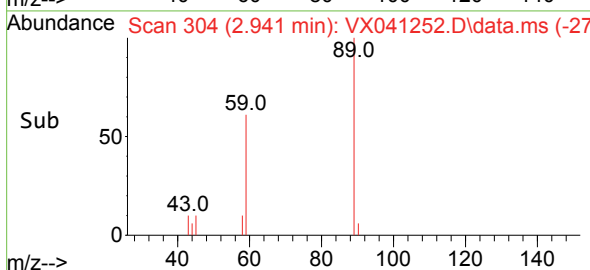
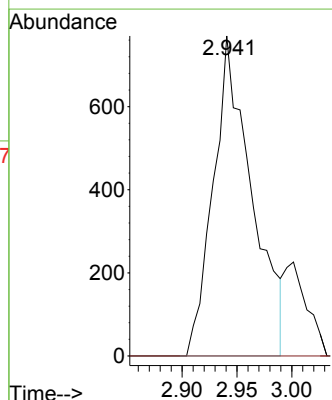
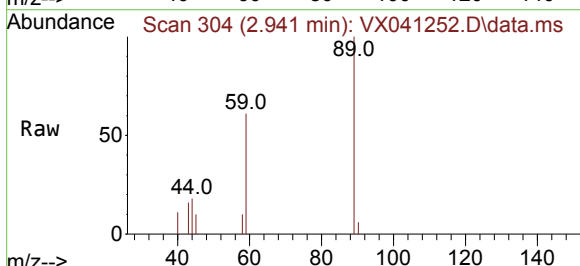
Acq: 26 Apr 2024 12:37

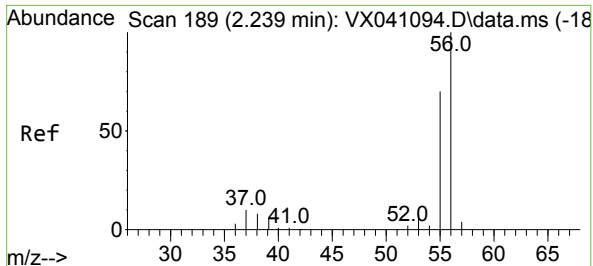
Tgt Ion: 59 Resp: 1877

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.295 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041252.D

Acq: 26 Apr 2024 12:37

Instrument :

MSVOA_X

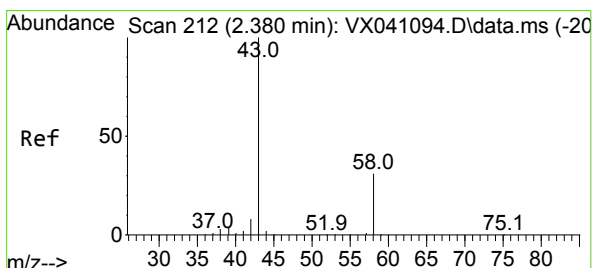
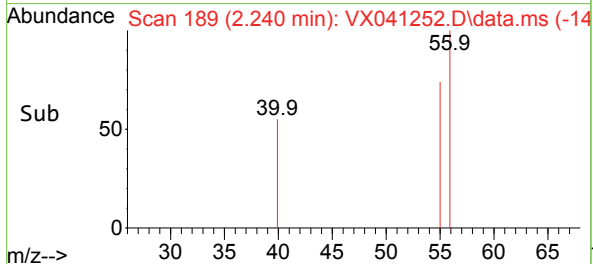
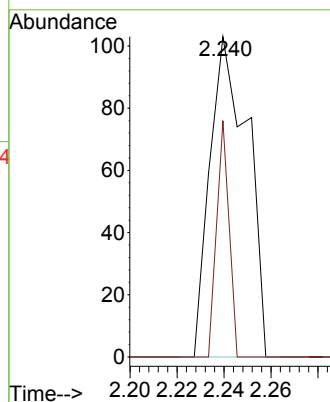
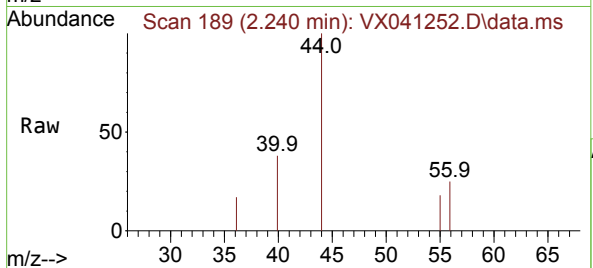
ClientSampleId :

Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 24.3 57.1 85.7#



#16

Acetone

Concen: 59.975 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX041252.D

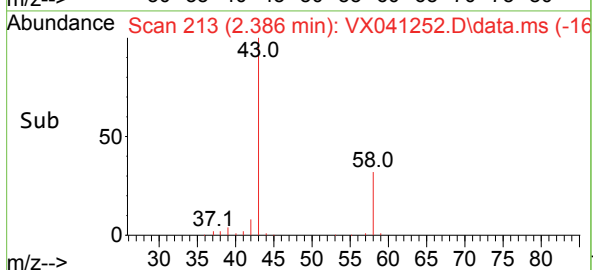
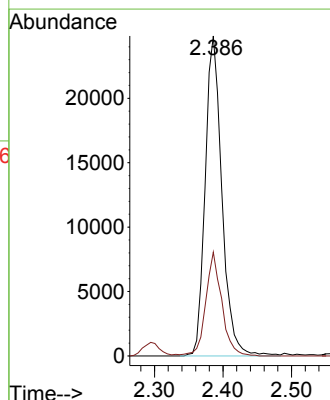
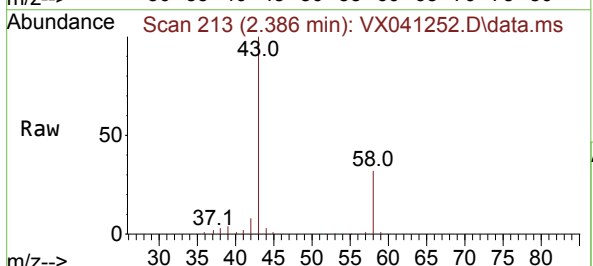
Acq: 26 Apr 2024 12:37

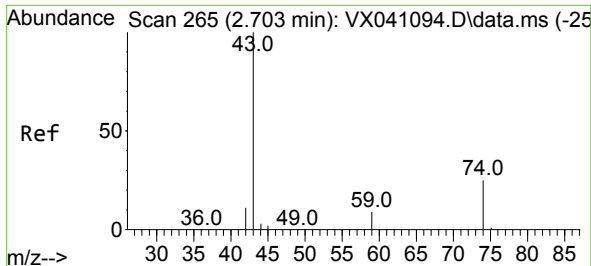
Tgt Ion: 43 Resp: 42321

Ion Ratio Lower Upper

43 100

58 32.5 21.9 32.9

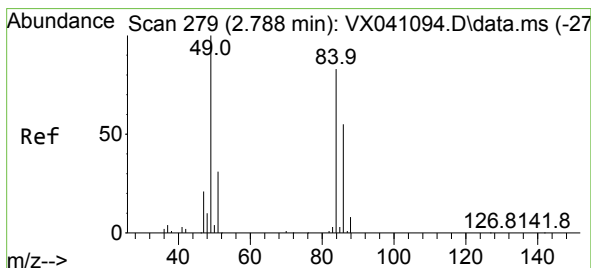
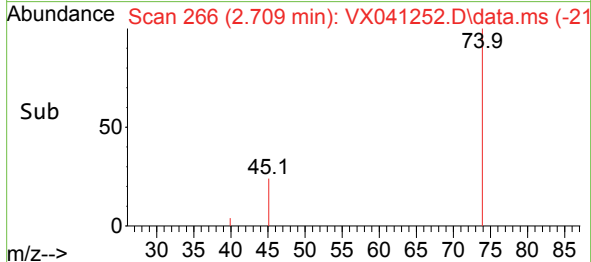
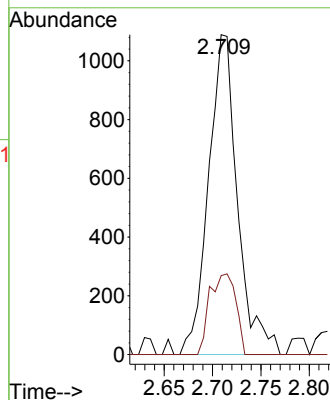
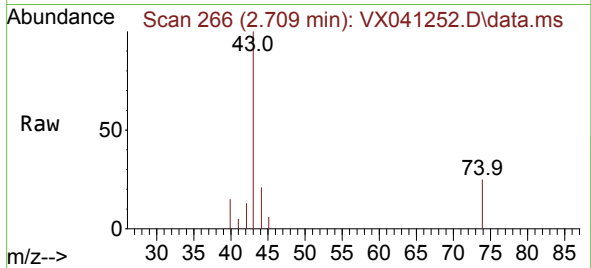




#18
Methyl Acetate
Concen: 1.089 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

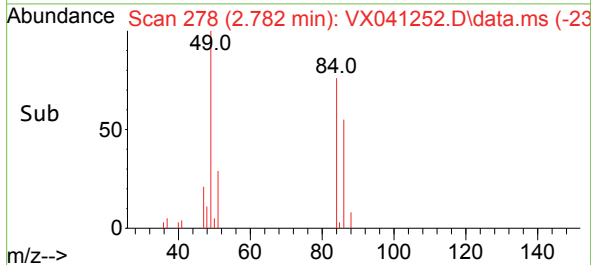
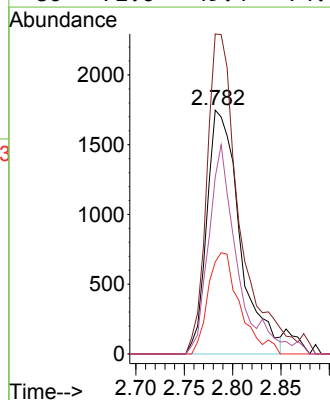
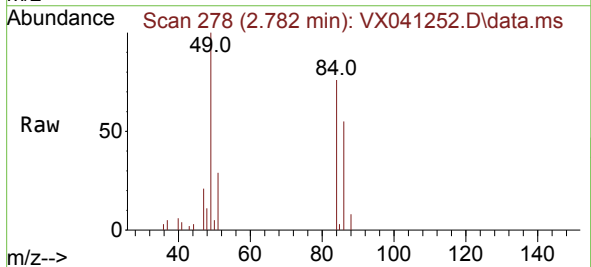
Instrument :
MSVOA_X
ClientSampleId :

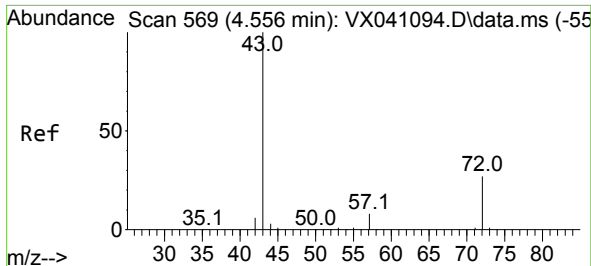
Tgt Ion: 43 Resp: 2274
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.8



#20
Methylene Chloride
Concen: 2.407 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

Tgt Ion: 84 Resp: 4148
Ion Ratio Lower Upper
84 100
49 131.2 103.6 155.4
51 37.7 33.8 50.6
86 72.6 49.4 74.0

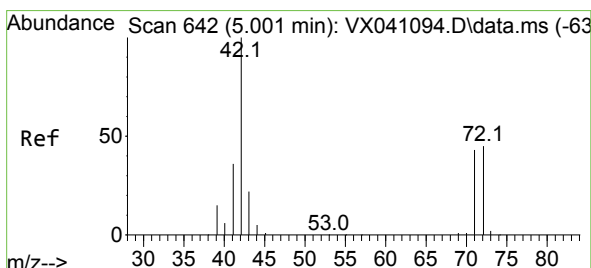
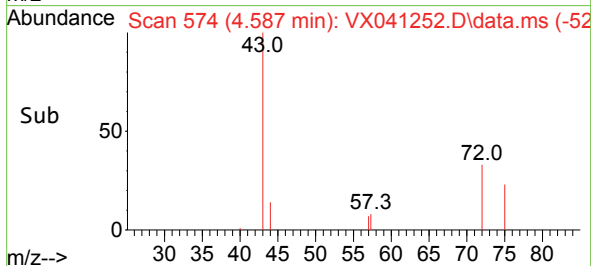
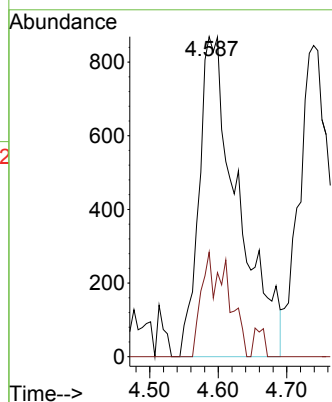
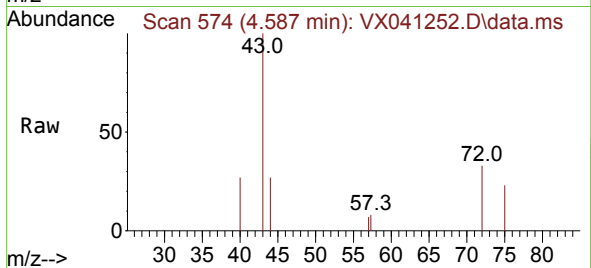




#25
2-Butanone
Concen: 2.842 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

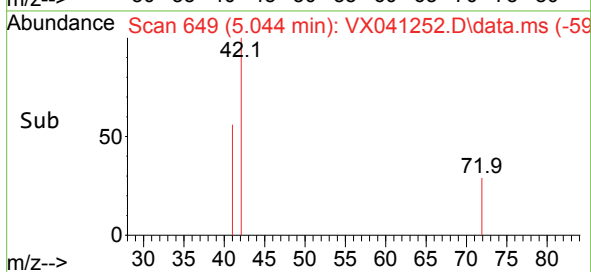
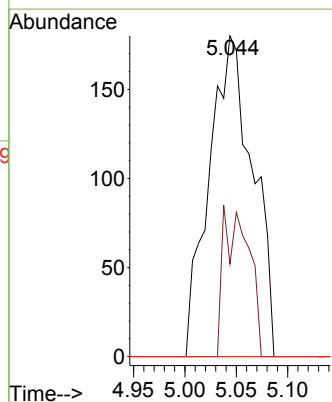
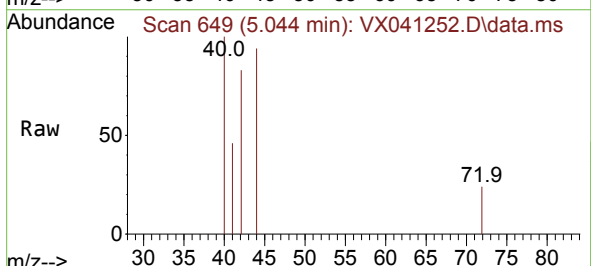
Instrument :
MSVOA_X
ClientSampleId :

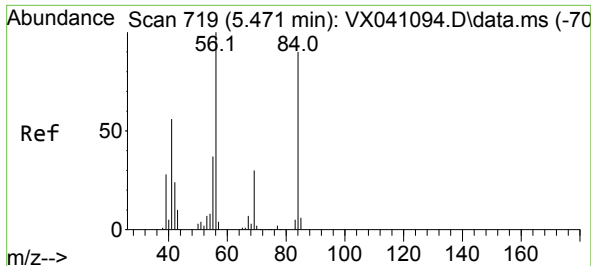
Tgt Ion: 43 Resp: 3425
Ion Ratio Lower Upper
43 100
72 32.7 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.648 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

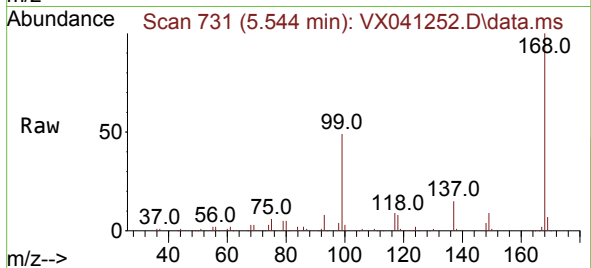
Tgt Ion: 42 Resp: 532
Ion Ratio Lower Upper
42 100
72 27.4 34.2 51.4#
71 0.0 32.2 48.2#



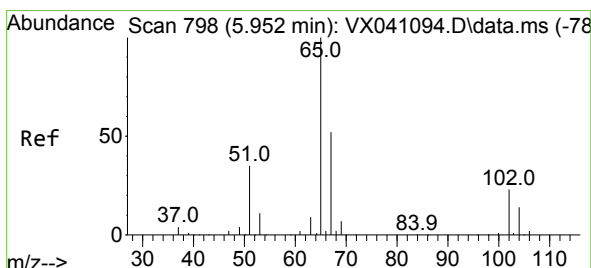
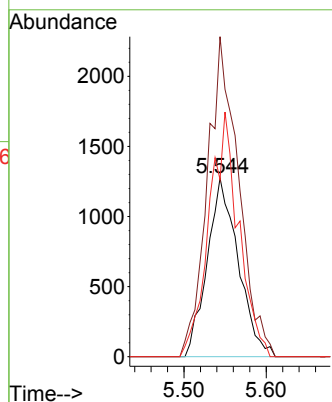
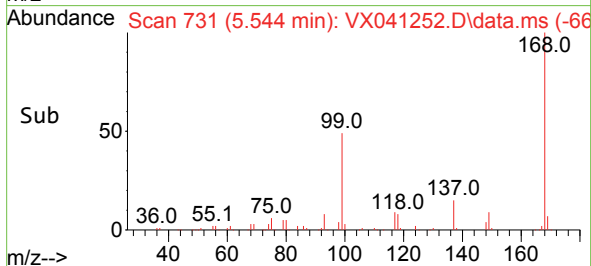


#31
Cyclohexane
Concen: 1.282 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :

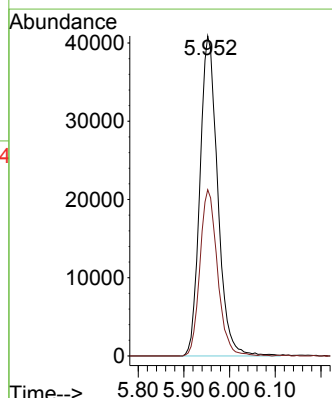
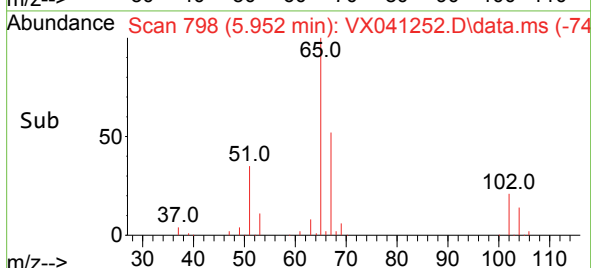
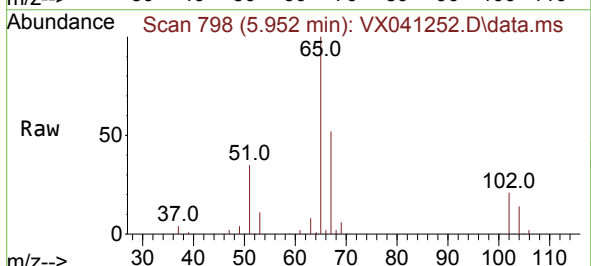


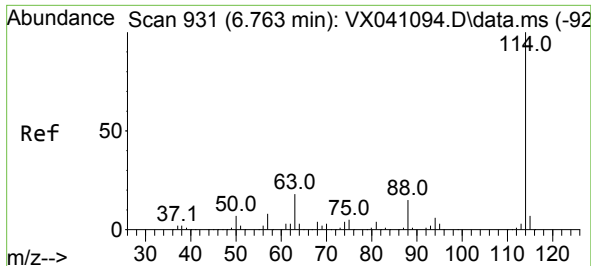
Tgt Ion: 56 Resp: 3344
Ion Ratio Lower Upper
56 100
69 179.1 23.4 35.2#
84 99.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 56.907 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

Tgt Ion: 65 Resp: 110320
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

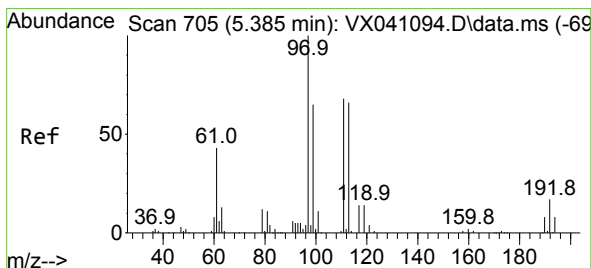
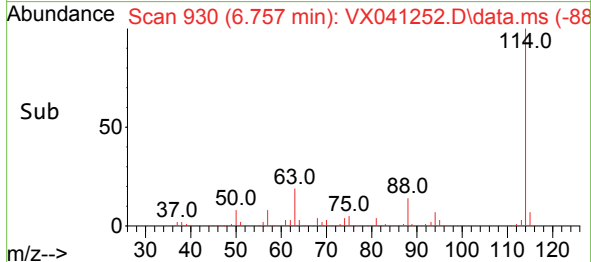
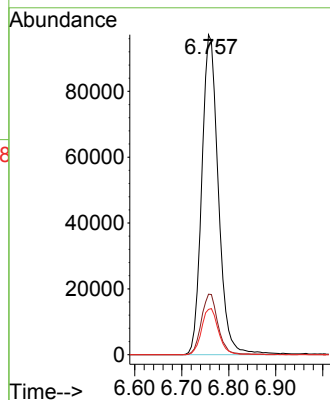
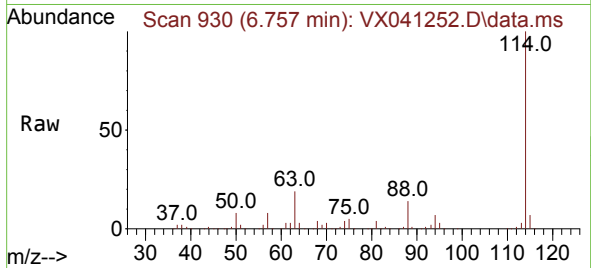




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

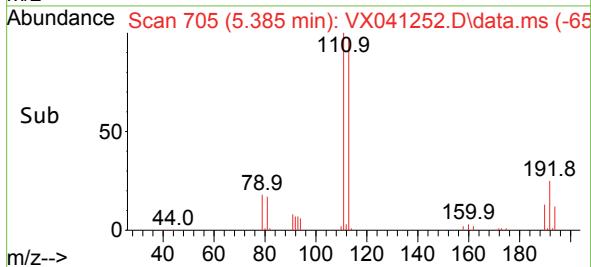
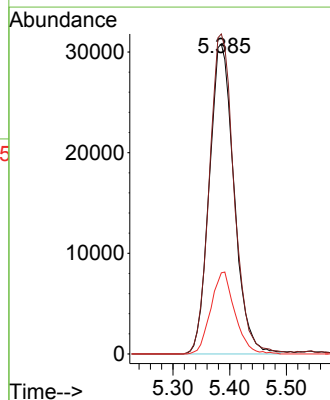
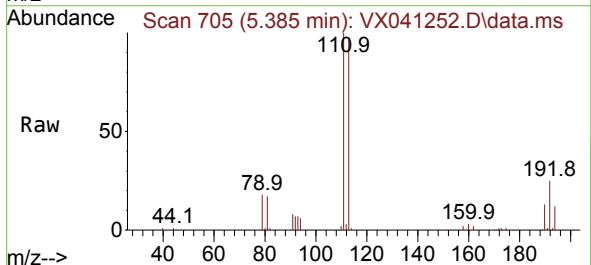
Instrument :
MSVOA_X
ClientSampleId :

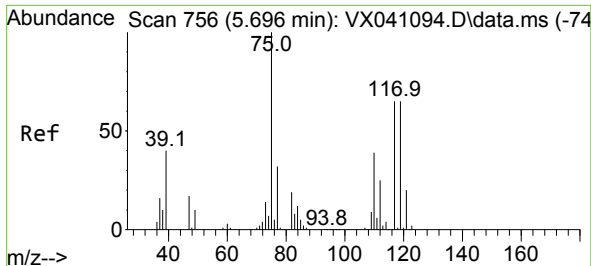
Tgt Ion:114 Resp: 237597
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 14.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 64.415 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

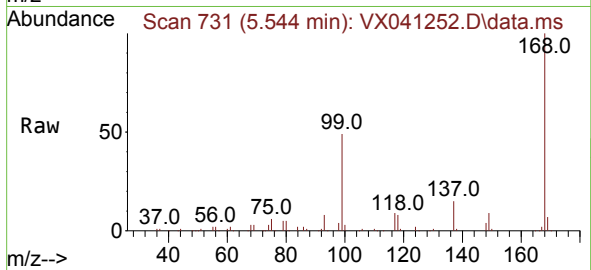
Tgt Ion:113 Resp: 93098
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 25.7 13.3 19.9#



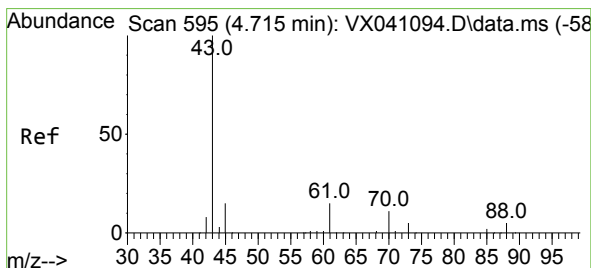
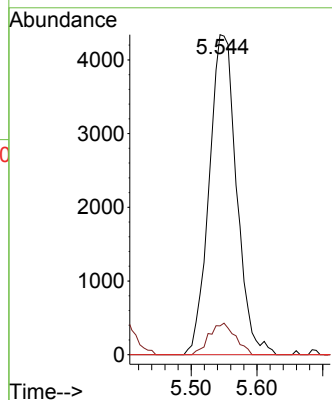
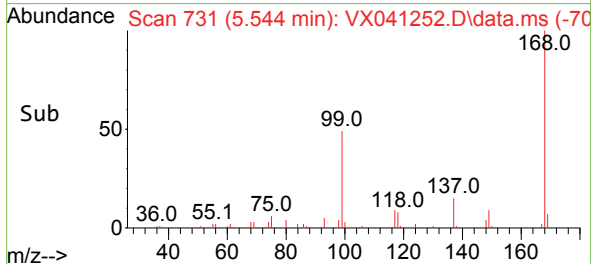


#36
1,1-Dichloropropene
Concen: 6.808 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :

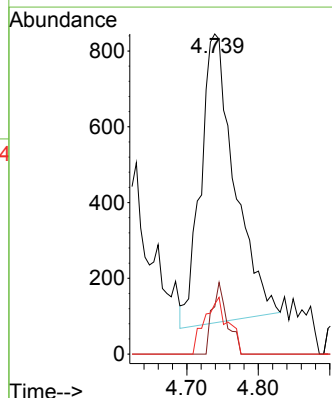
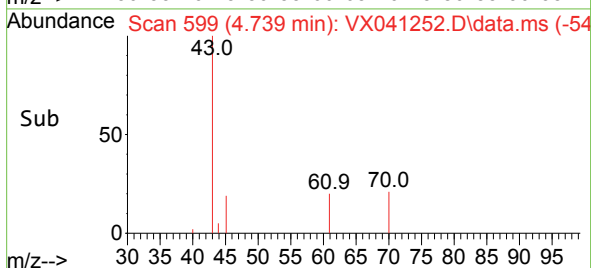
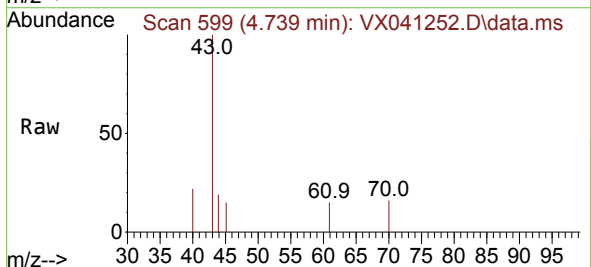


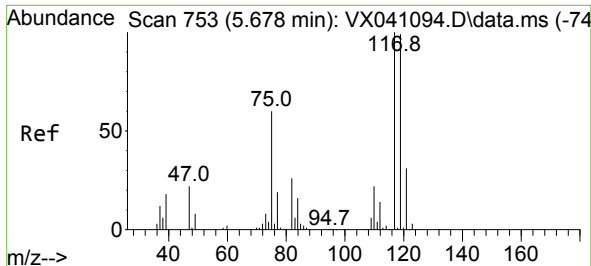
Tgt Ion: 75 Resp: 12589
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.238 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

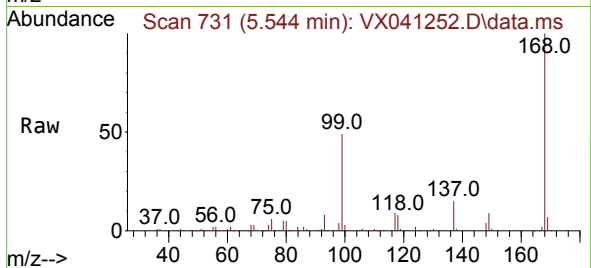
Tgt Ion: 43 Resp: 2511
Ion Ratio Lower Upper
43 100
61 10.9 10.6 16.0
70 13.7 8.3 12.5#



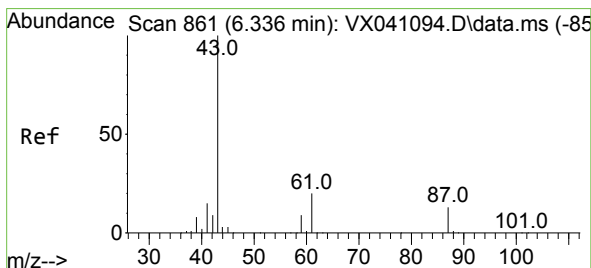
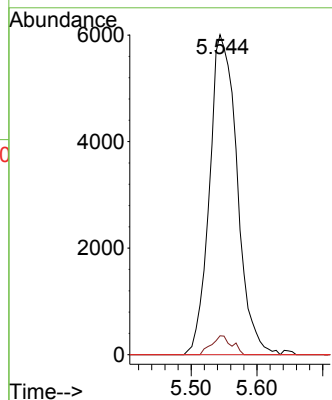
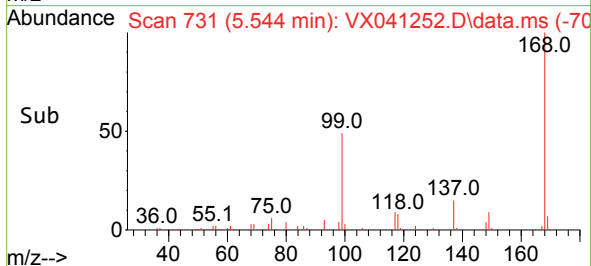


#38
Carbon Tetrachloride
Concen: 8.489 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

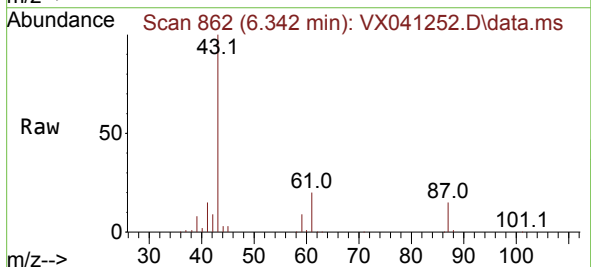
Instrument :
MSVOA_X
ClientSampleId :



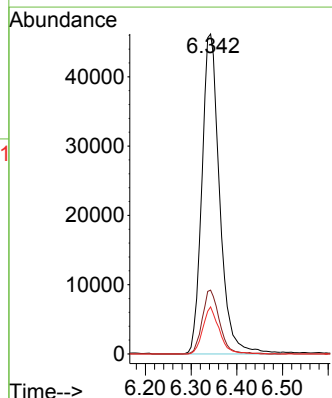
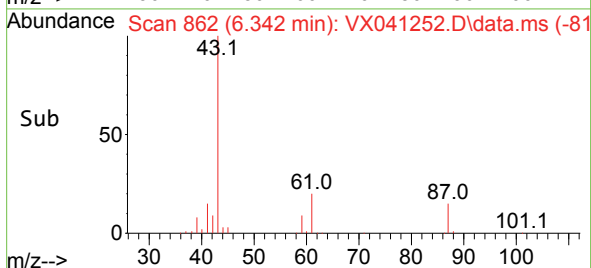
Tgt Ion:117 Resp: 17534
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#

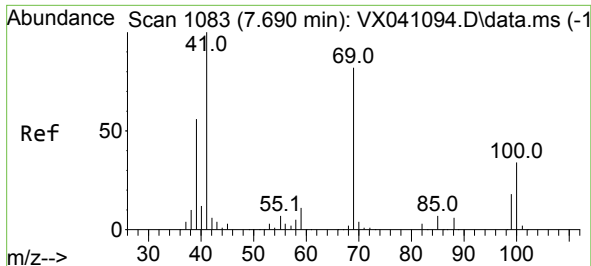


#43
Isopropyl Acetate
Concen: 38.126 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37



Tgt Ion: 43 Resp: 124610
Ion Ratio Lower Upper
43 100
61 19.3 15.2 22.8
87 13.6 9.8 14.6





#48

Methyl methacrylate

Concen: 59.495 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX041252.D

Acq: 26 Apr 2024 12:37

Instrument :

MSVOA_X

ClientSampleId :

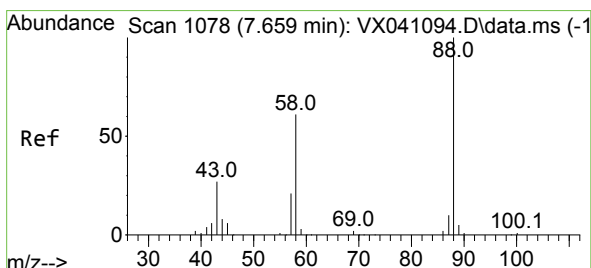
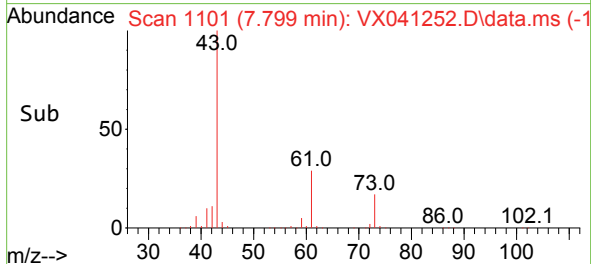
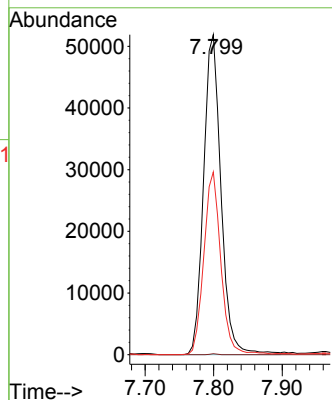
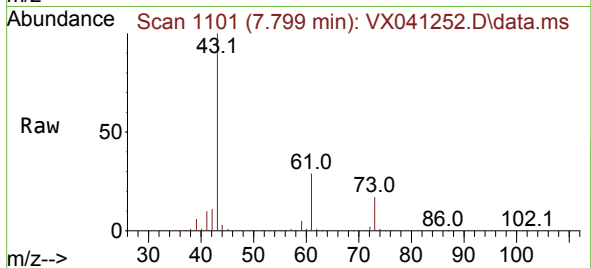
Tgt Ion: 41 Resp: 91972

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 55.8 47.7 71.5



#49

1,4-Dioxane

Concen: 5.380 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.122 min

Lab File: VX041252.D

Acq: 26 Apr 2024 12:37

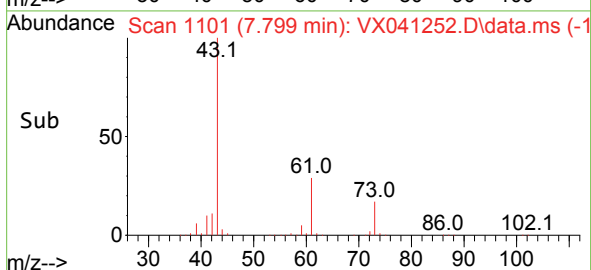
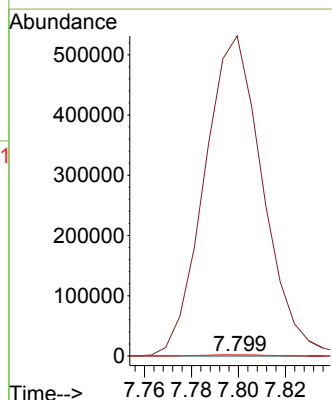
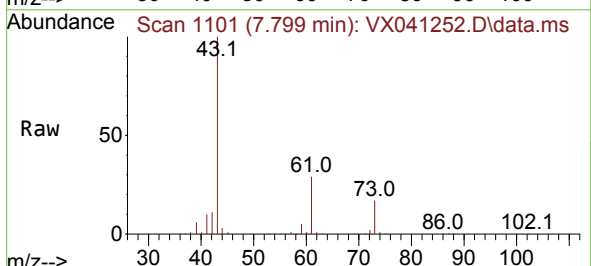
Tgt Ion: 88 Resp: 179

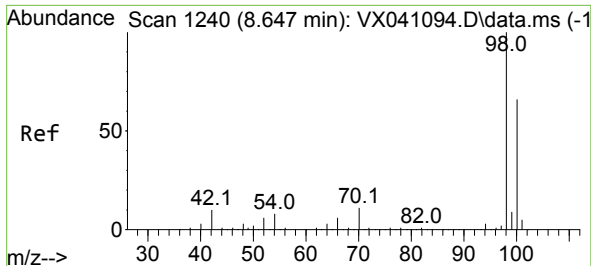
Ion Ratio Lower Upper

88 100

43 523869.8 0.0 0.0#

58 2220.7 60.1 90.1#

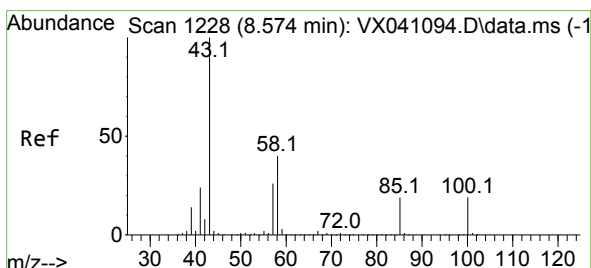
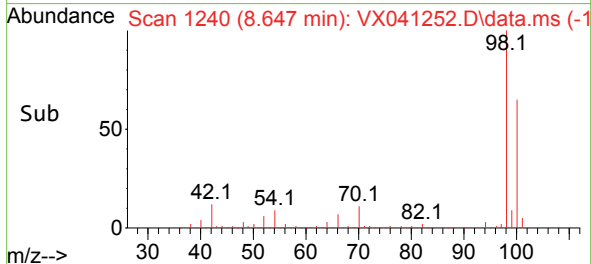
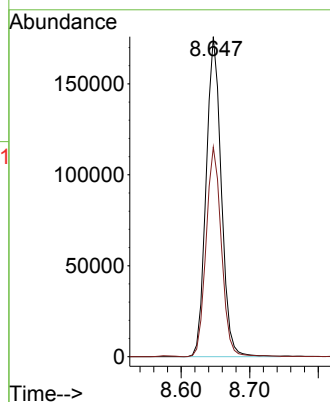
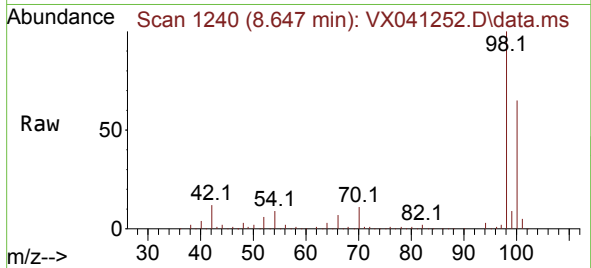




#50
Toluene-d8
Concen: 55.574 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

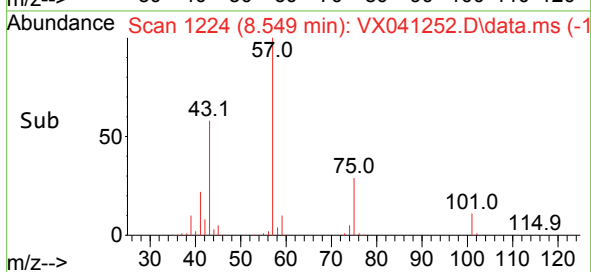
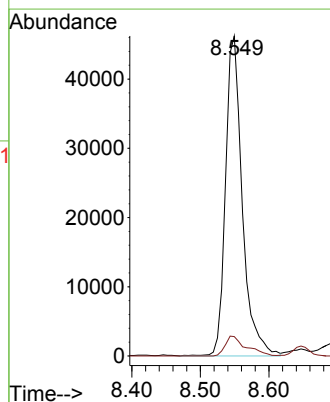
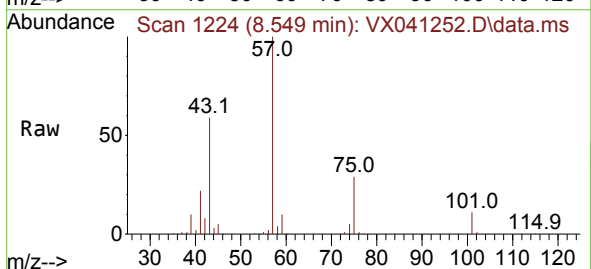
Instrument :
MSVOA_X
ClientSampleId :

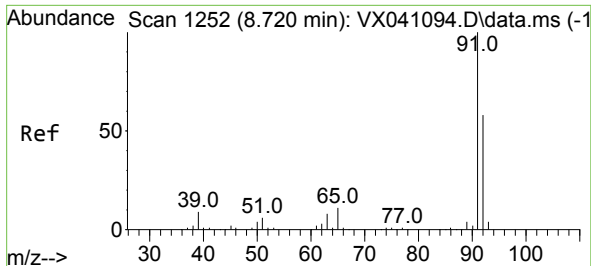
Tgt Ion: 98 Resp: 270991
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 38.364 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

Tgt Ion: 43 Resp: 78484
Ion Ratio Lower Upper
43 100
58 7.8 30.4 45.6#

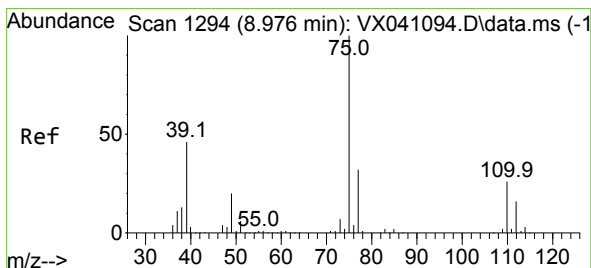
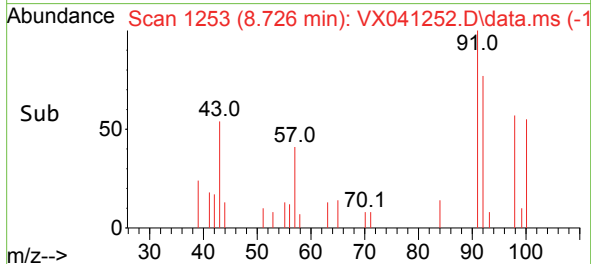
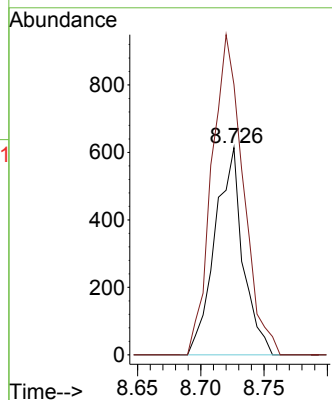
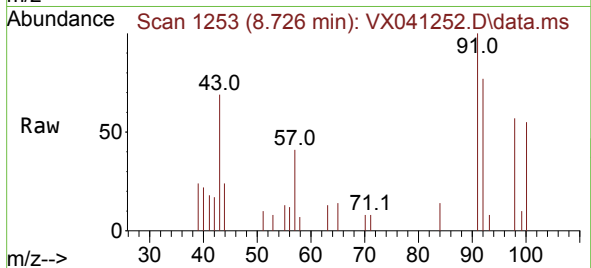




#52
Toluene
Concen: 0.263 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

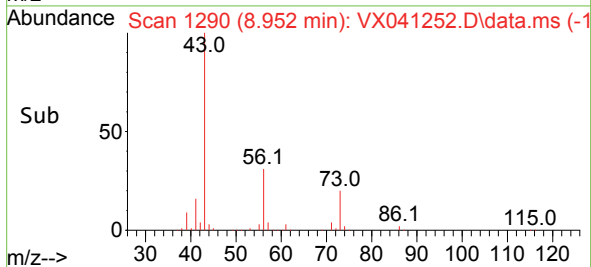
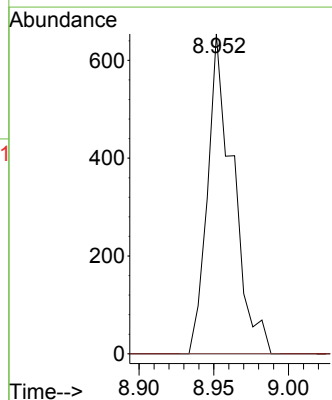
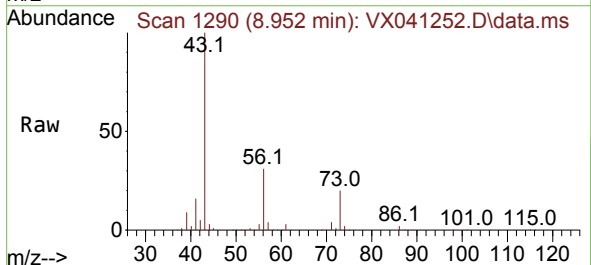
Instrument :
MSVOA_X
ClientSampleId :

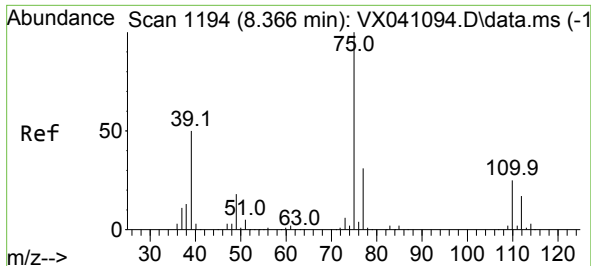
Tgt Ion: 92 Resp: 948
Ion Ratio Lower Upper
92 100
91 172.7 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.421 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

Tgt Ion: 75 Resp: 778
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

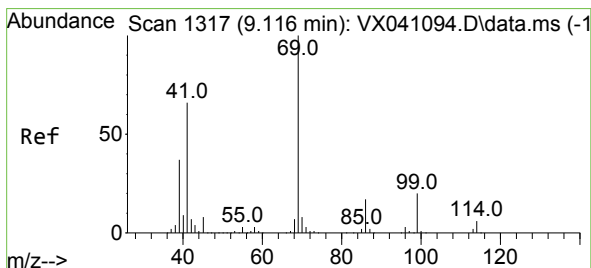
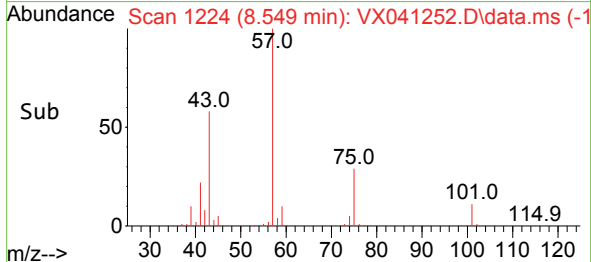
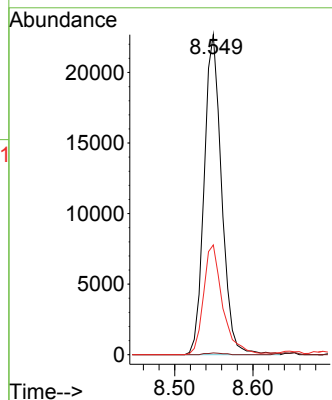
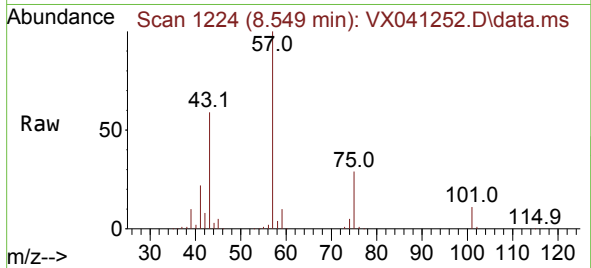




#54
 cis-1,3-Dichloropropene
 Concen: 16.724 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041252.D
 Acq: 26 Apr 2024 12:37

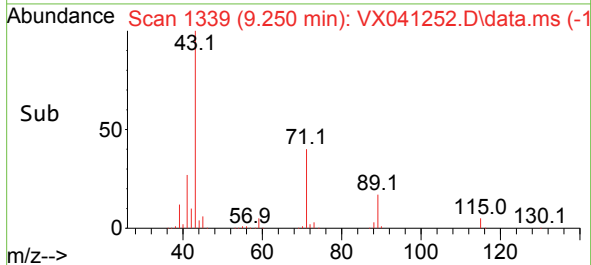
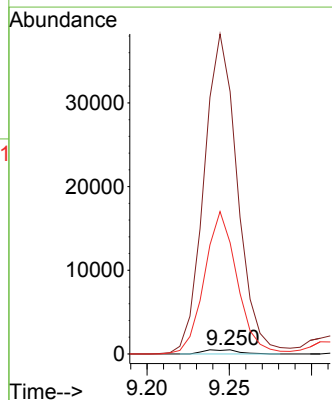
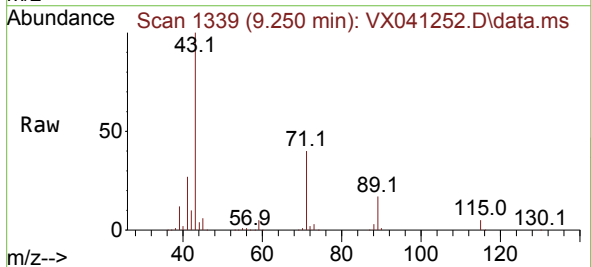
Instrument :
 MSVOA_X
 ClientSampleId :

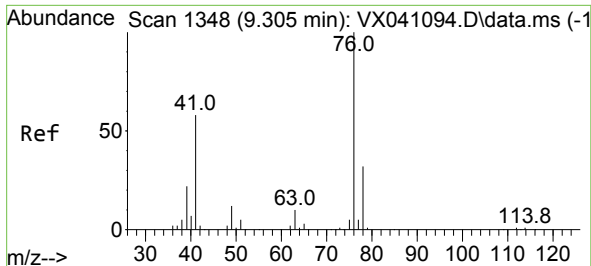
Tgt Ion: 75 Resp: 35100
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 34.3 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.338 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.128 min
 Lab File: VX041252.D
 Acq: 26 Apr 2024 12:37

Tgt Ion: 69 Resp: 726
 Ion Ratio Lower Upper
 69 100
 41 7496.1 56.8 85.2#
 39 3260.5 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 2.019 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX041252.D

Acq: 26 Apr 2024 12:37

Instrument :

MSVOA_X

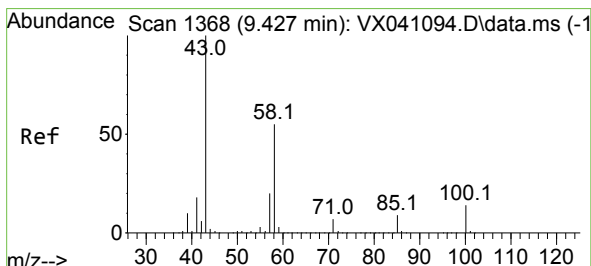
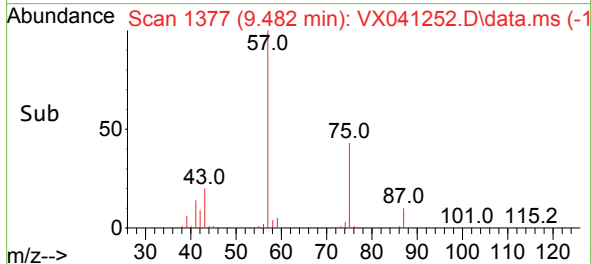
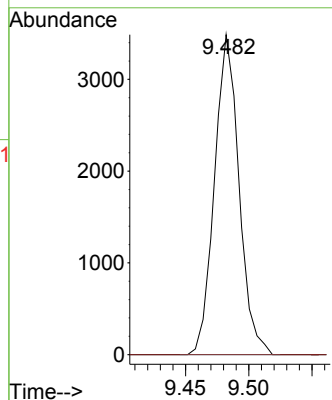
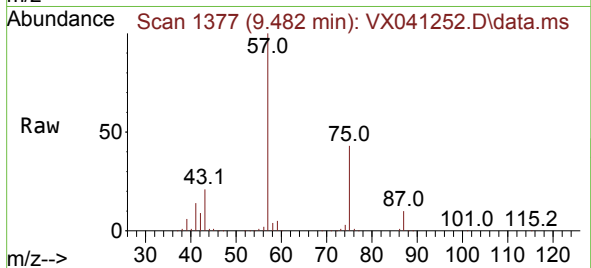
ClientSampleId :

Tgt Ion: 76 Resp: 4693

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 42.170 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041252.D

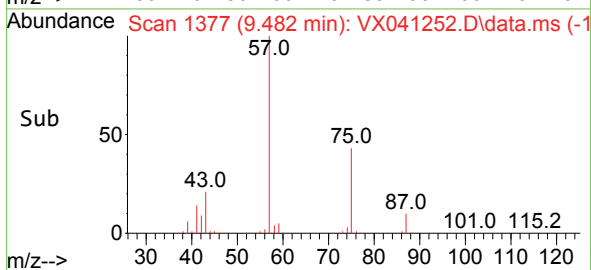
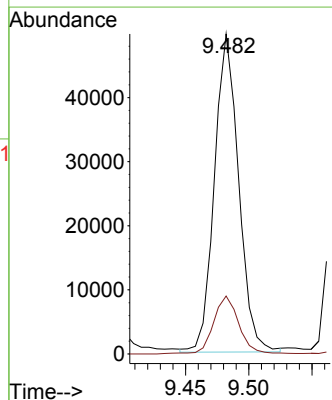
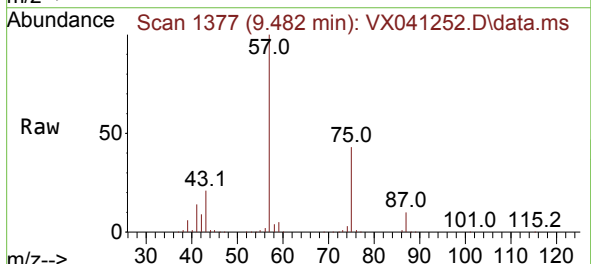
Acq: 26 Apr 2024 12:37

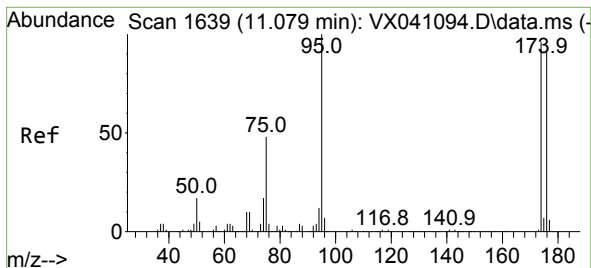
Tgt Ion: 43 Resp: 66155

Ion Ratio Lower Upper

43 100

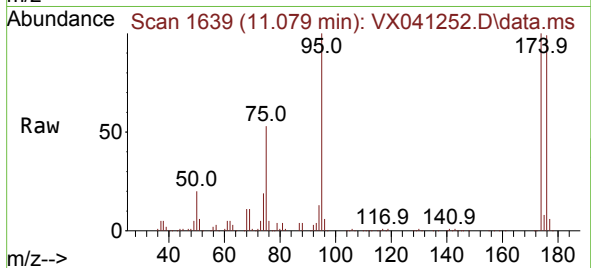
58 19.2 26.2 78.5#



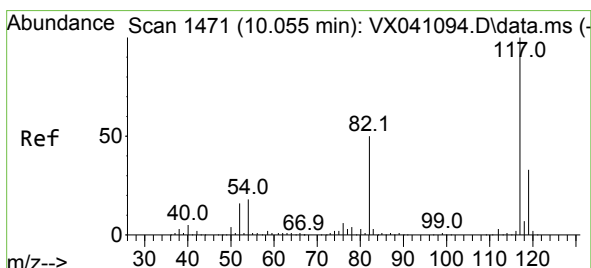
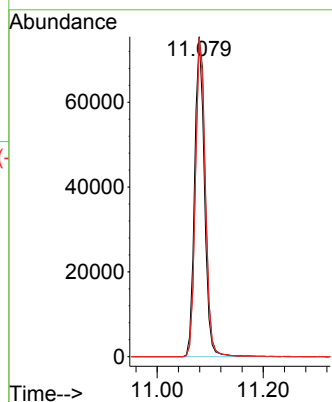
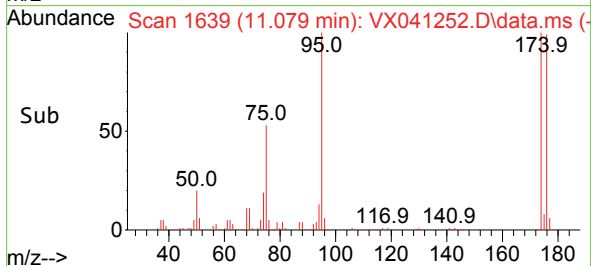


#62
4-Bromofluorobenzene
Concen: 53.693 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

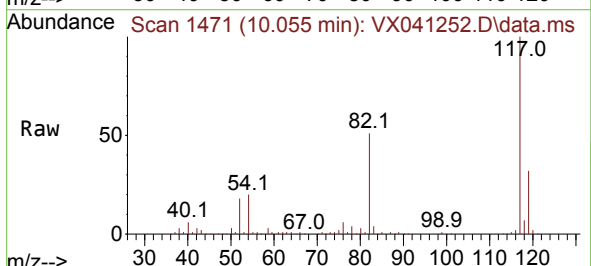
Instrument :
MSVOA_X
ClientSampleId :



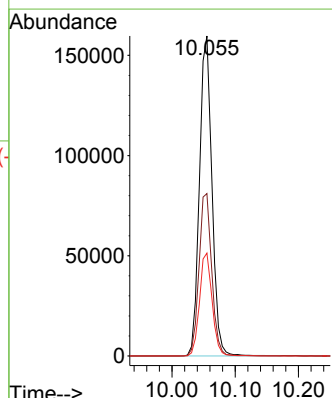
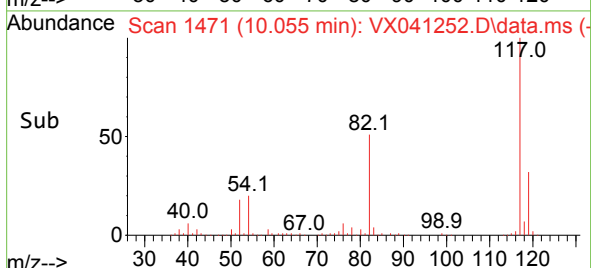
Tgt Ion: 95 Resp: 96636
Ion Ratio Lower Upper
95 100
174 101.9 0.0 135.6
176 99.3 0.0 131.0

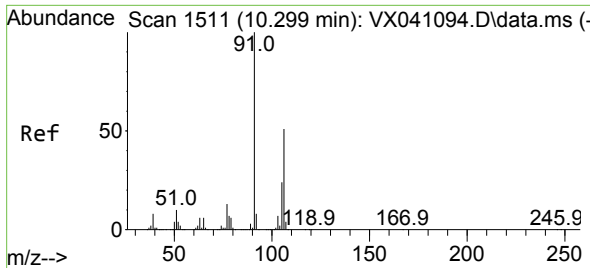


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37



Tgt Ion: 117 Resp: 219912
Ion Ratio Lower Upper
117 100
82 50.8 46.2 69.4
119 32.1 25.5 38.3

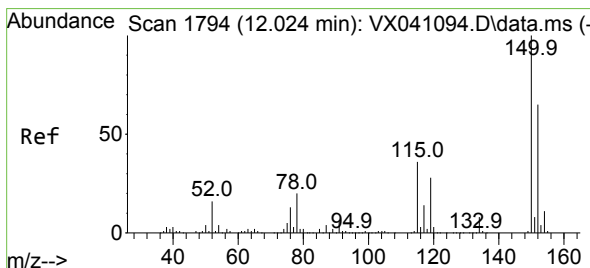
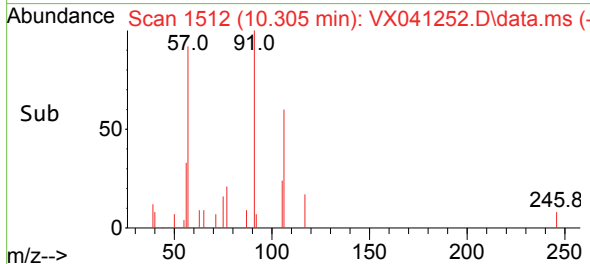
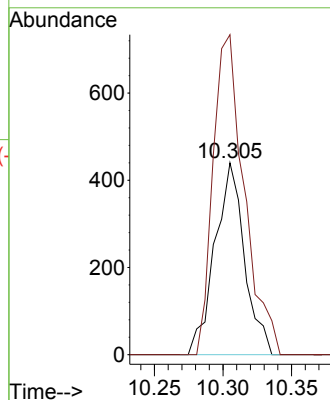
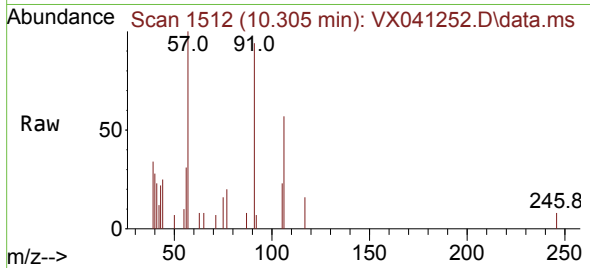




#68
m/p-Xylenes
Concen: 0.227 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

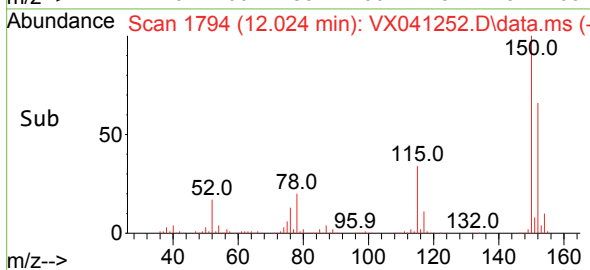
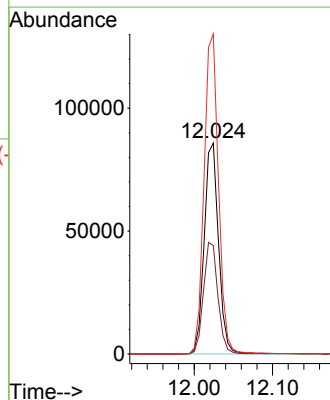
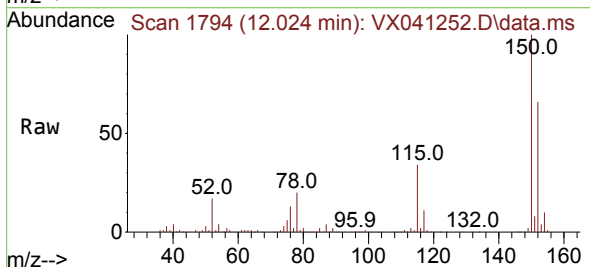
Instrument :
MSVOA_X
ClientSampleId :

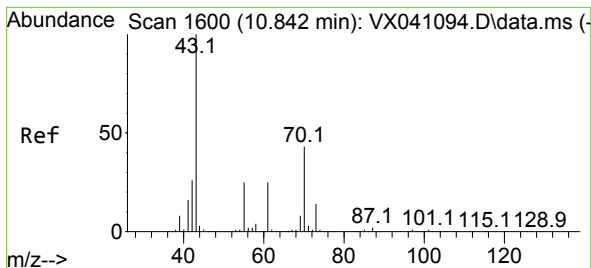
Tgt Ion:106 Resp: 661
Ion Ratio Lower Upper
106 100
91 175.3 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041252.D
Acq: 26 Apr 2024 12:37

Tgt Ion:152 Resp: 108858
Ion Ratio Lower Upper
152 100
115 53.4 43.3 129.9
150 153.3 0.0 345.0





#74

N-amy1 acetate

Concen: 0.267 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

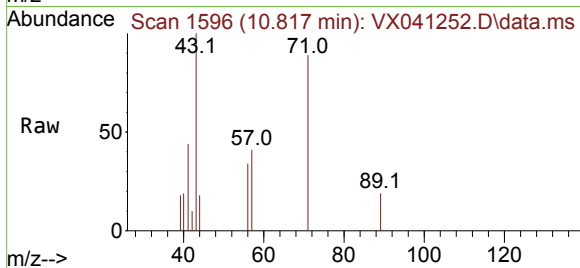
Lab File: VX041252.D

Acq: 26 Apr 2024 12:37

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 710

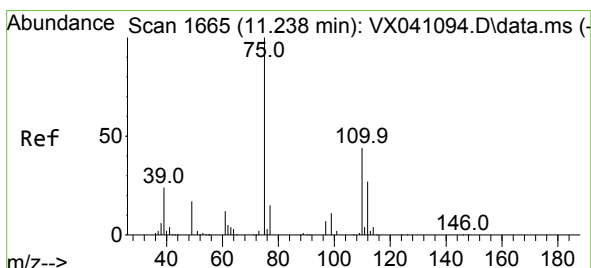
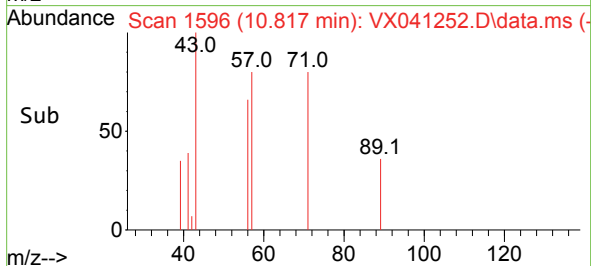
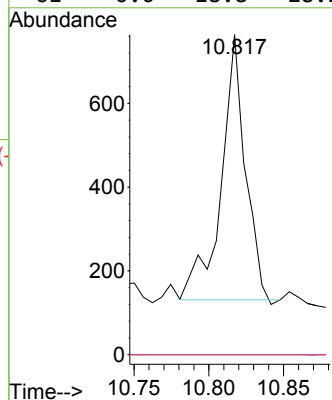
Ion Ratio Lower Upper

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: 28.796 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041252.D

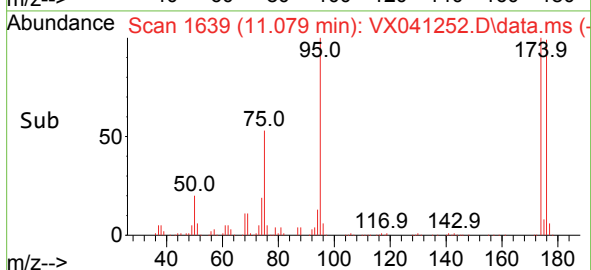
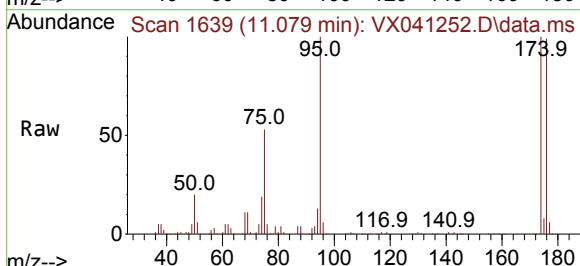
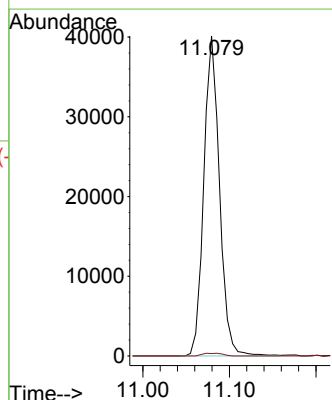
Acq: 26 Apr 2024 12:37

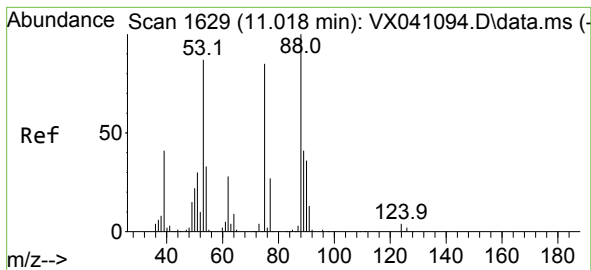
Tgt Ion: 75 Resp: 50506

Ion Ratio Lower Upper

75 100

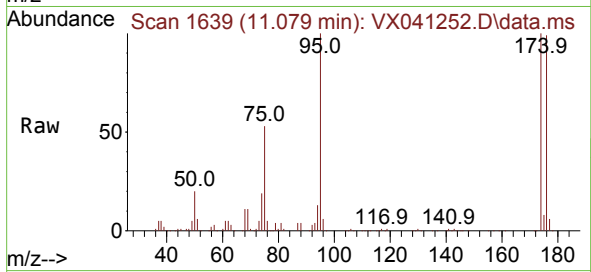
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.244 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041252.D
 Acq: 26 Apr 2024 12:37

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 50506
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

