

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
 Data File : VX041256.D
 Acq On : 26 Apr 2024 14:09
 Operator : JC/MD
 Sample : PB160522ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 27 02:17:38 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

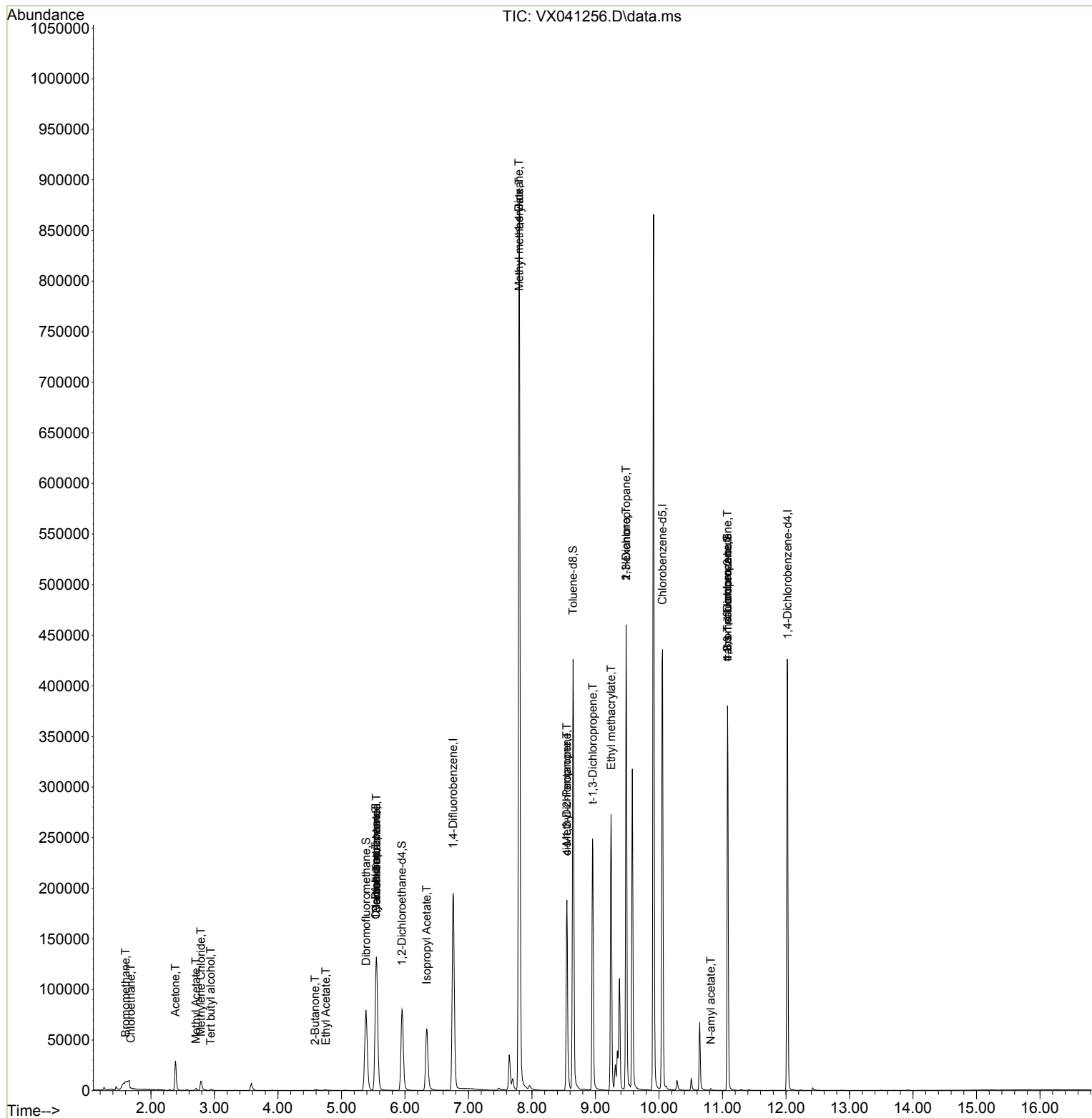
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	142885	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	210752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79361	58.347	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 116.700%	
35) Dibromofluoromethane	5.385	113	66874	52.165	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.320%	
50) Toluene-d8	8.647	98	246138	56.907	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 113.820%#	
62) 4-Bromofluorobenzene	11.079	95	88431	55.392	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.780%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	406	0.589	ug/l	95
6) Chloroethane	1.685	64	102	0.219	ug/l	# 43
11) Tert butyl alcohol	2.941	59	817	3.353	ug/l	# 78
16) Acetone	2.386	43	32314	65.269	ug/l	99
18) Methyl Acetate	2.709	43	2743	1.873	ug/l	94
20) Methylene Chloride	2.788	84	5412	4.476	ug/l	92
25) 2-Butanone	4.587	43	1995	2.359	ug/l	96
31) Cyclohexane	5.544	56	2392	1.307	ug/l	# 31
36) 1,1-Dichloropropene	5.544	75	8737	5.326	ug/l	# 51
37) Ethyl Acetate	4.751	43	1937	1.076	ug/l	# 79
38) Carbon Tetrachloride	5.550	117	12210	6.664	ug/l	# 16
43) Isopropyl Acetate	6.342	43	87445	30.163	ug/l	98
48) Methyl methacrylate	7.800	41	81322	59.306	ug/l	# 49
49) 1,4-Dioxane	7.793	88	83	2.812	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	68029	37.490	ug/l	# 49
53) t-1,3-Dichloropropene	8.958	75	580	0.354	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	29830	16.024	ug/l	# 62
56) Ethyl methacrylate	9.244	69	660	0.347	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	3914	1.898	ug/l	# 42
59) 2-Hexanone	9.482	43	56420	40.546	ug/l	# 52
74) N-amyl acetate	10.817	43	599	0.251	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	46321	29.476	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	46321	83.161	ug/l	# 5

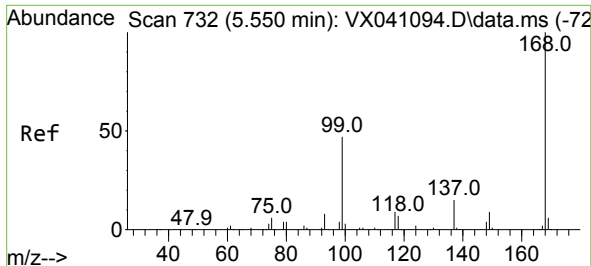
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX041256.D
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Sample : PB160522ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

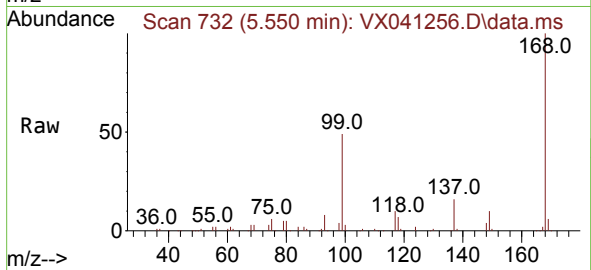
Quant Time: Apr 27 02:17:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
Quant Title : SW846 8260
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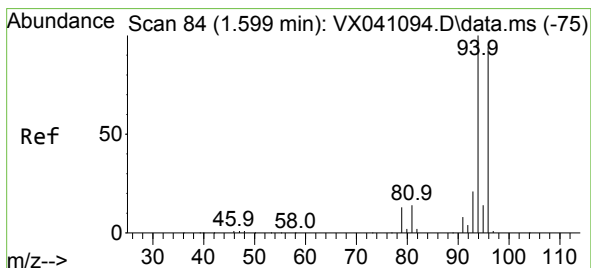
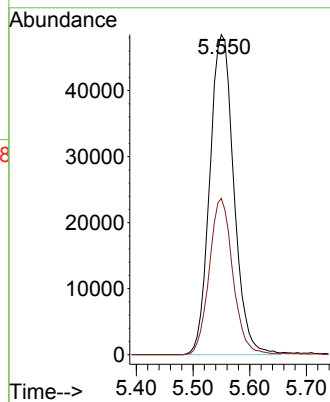
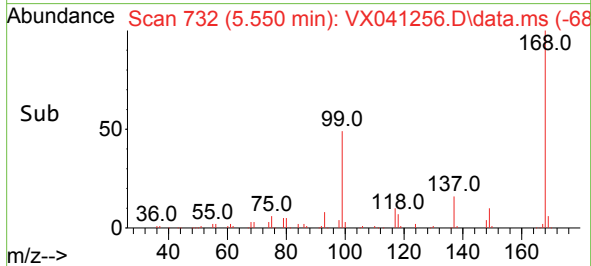


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Instrument :
MSVOA_X
ClientSampleId :

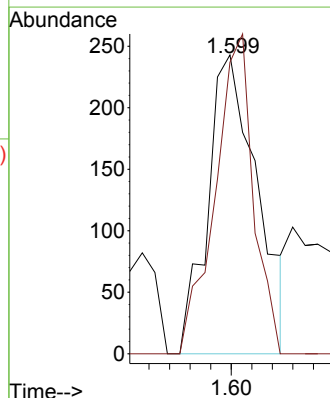
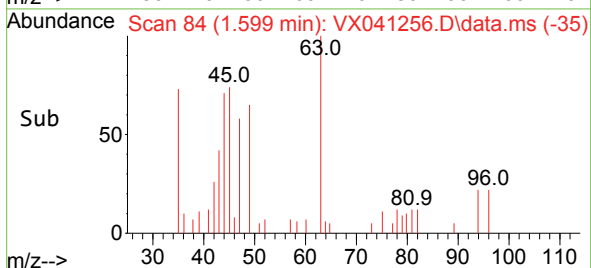
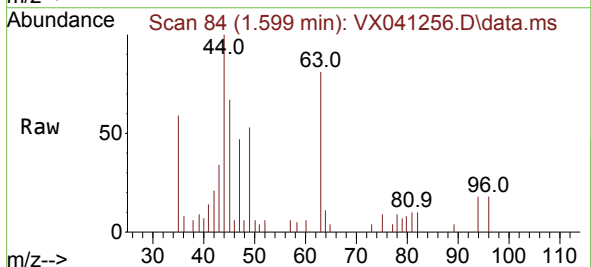


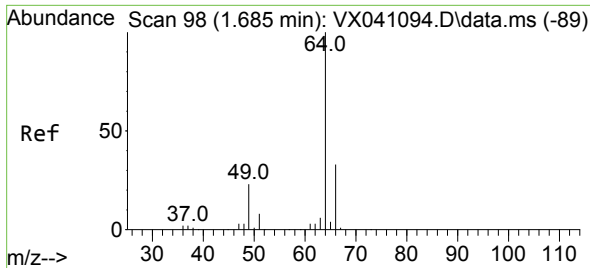
Tgt Ion:168 Resp: 142885
Ion Ratio Lower Upper
168 100
99 48.8 56.6 85.0#



#5
Bromomethane
Concen: 0.589 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Tgt Ion: 94 Resp: 406
Ion Ratio Lower Upper
94 100
96 97.5 74.6 111.8

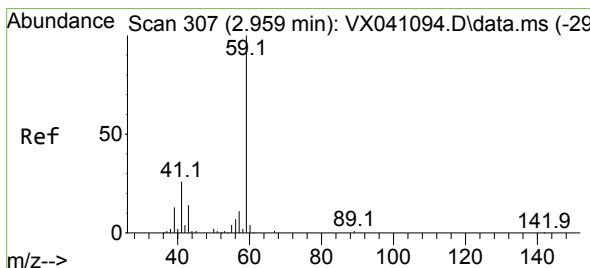
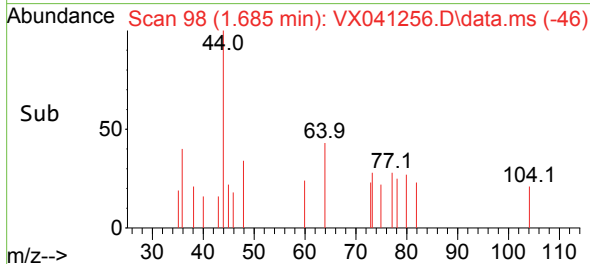
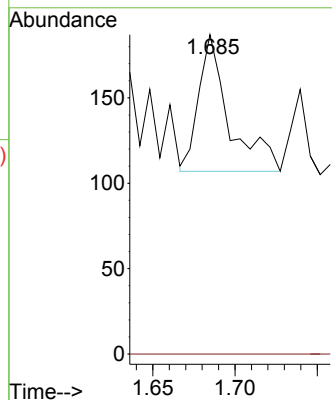
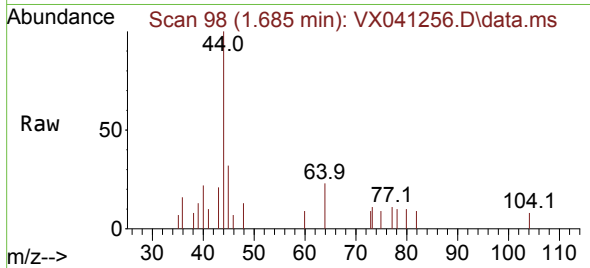




#6
Chloroethane
Concen: 0.219 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

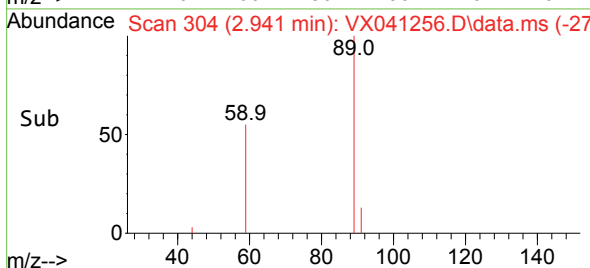
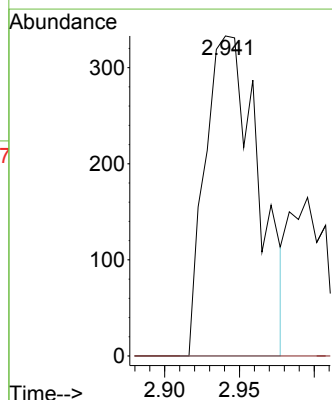
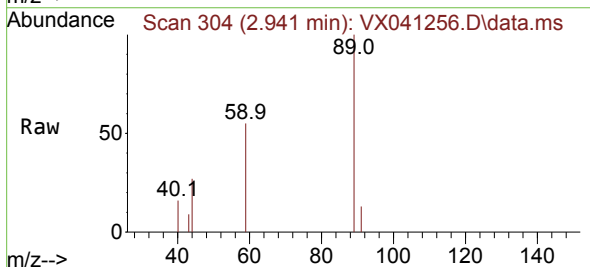
Instrument :
MSVOA_X
ClientSampleId :

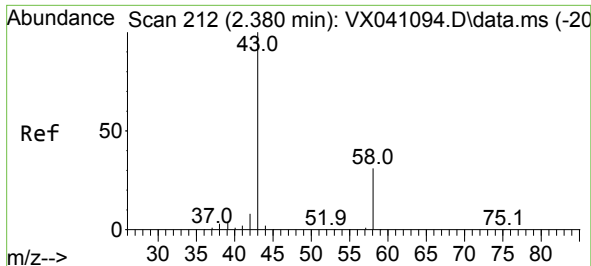
Tgt Ion: 64 Resp: 102
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 3.353 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.122 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Tgt Ion: 59 Resp: 817
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 65.269 ug/l

RT: 2.386 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX041256.D

Acq: 26 Apr 2024 14:09

Instrument :

MSVOA_X

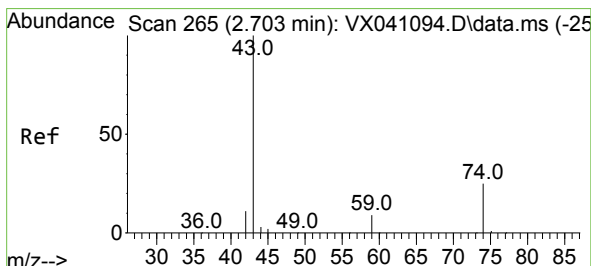
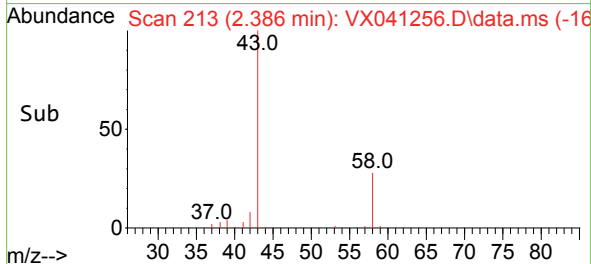
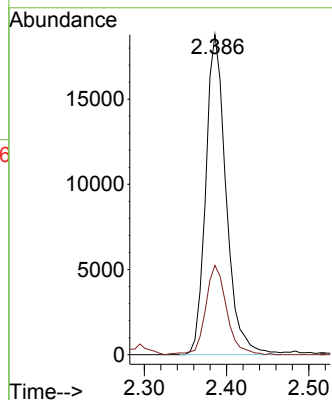
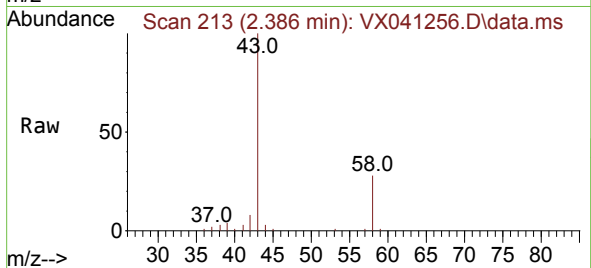
ClientSampleId :

Tgt Ion: 43 Resp: 32314

Ion Ratio Lower Upper

43 100

58 27.9 21.9 32.9



#18

Methyl Acetate

Concen: 1.873 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX041256.D

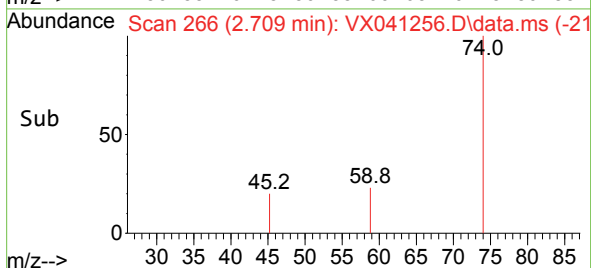
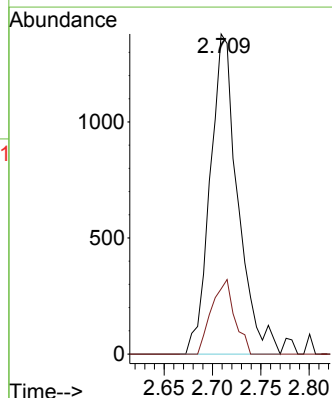
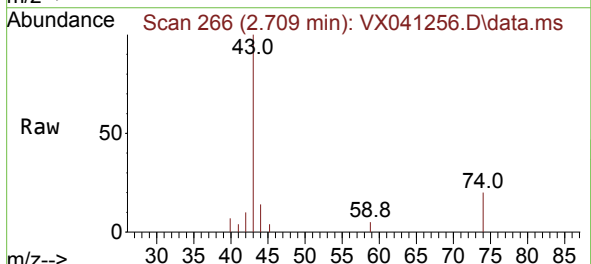
Acq: 26 Apr 2024 14:09

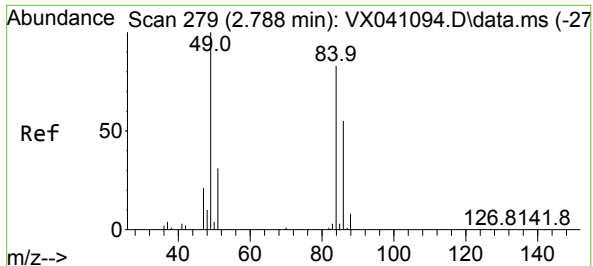
Tgt Ion: 43 Resp: 2743

Ion Ratio Lower Upper

43 100

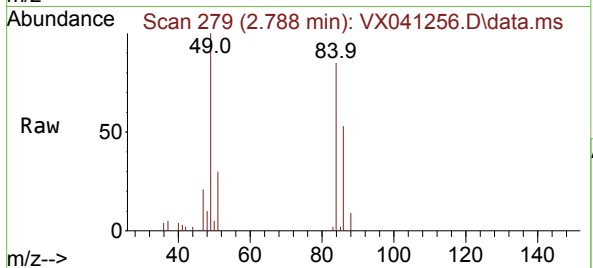
74 19.3 17.8 26.8



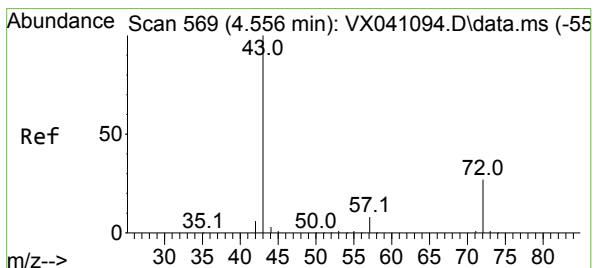
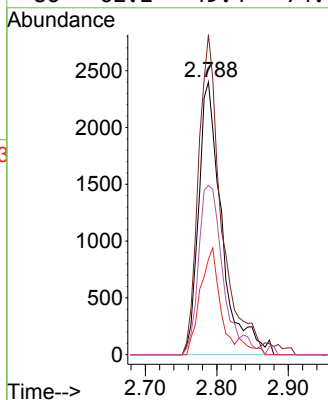
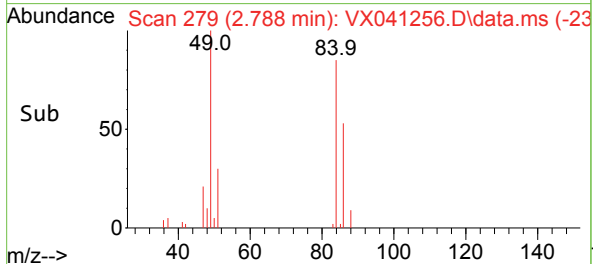


#20
Methylene Chloride
Concen: 4.476 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Instrument :
MSVOA_X
ClientSampleId :

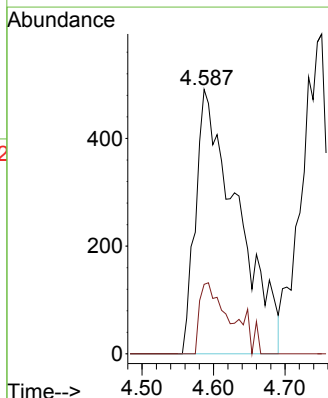
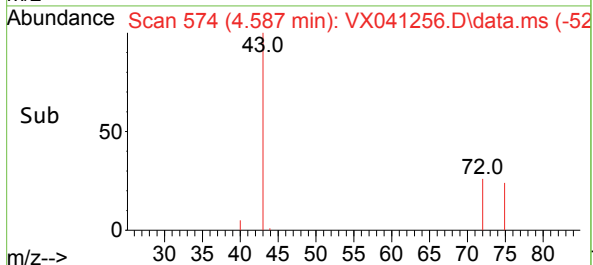
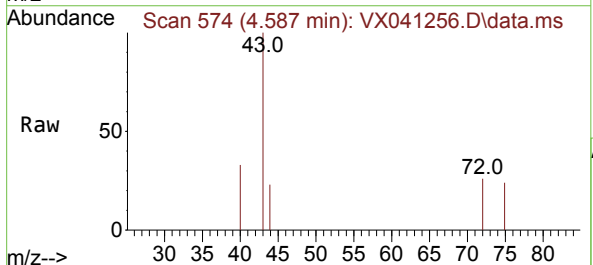


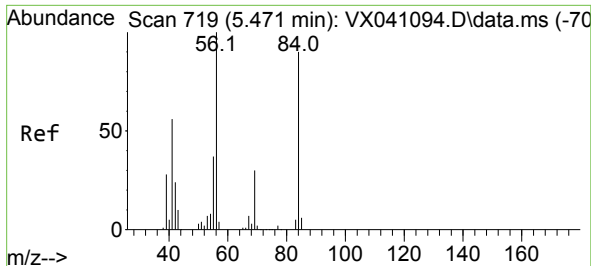
Tgt Ion:	84	Resp:	5412
Ion	Ratio	Lower	Upper
84	100		
49	117.4	103.6	155.4
51	35.0	33.8	50.6
86	62.2	49.4	74.0



#25
2-Butanone
Concen: 2.359 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

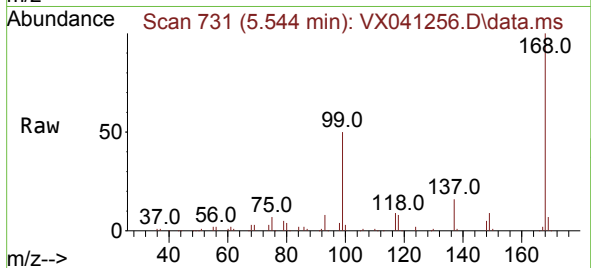
Tgt Ion:	43	Resp:	1995
Ion	Ratio	Lower	Upper
43	100		
72	26.3	19.4	29.2



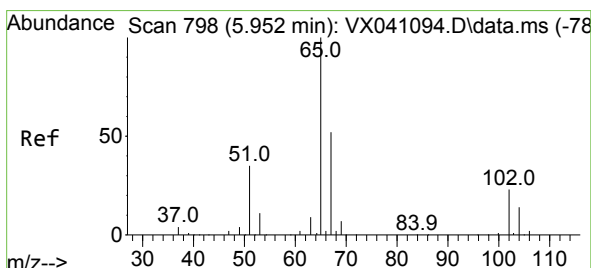
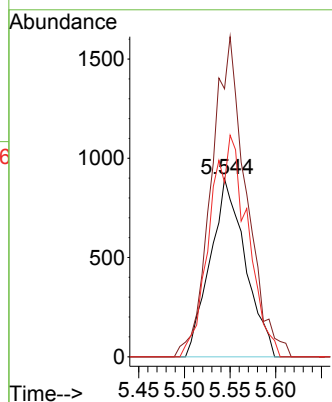
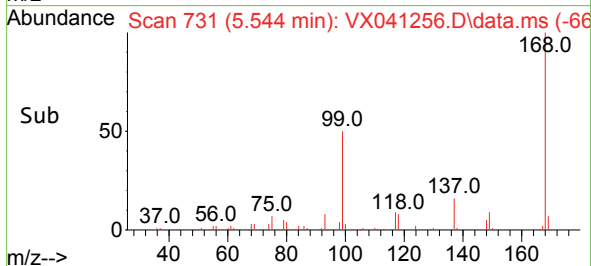


#31
Cyclohexane
Concen: 1.307 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Instrument :
MSVOA_X
ClientSampleId :

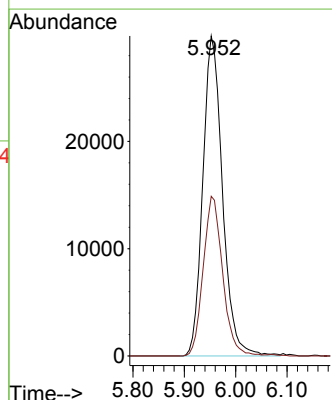
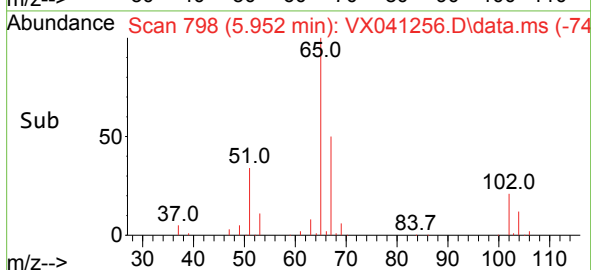
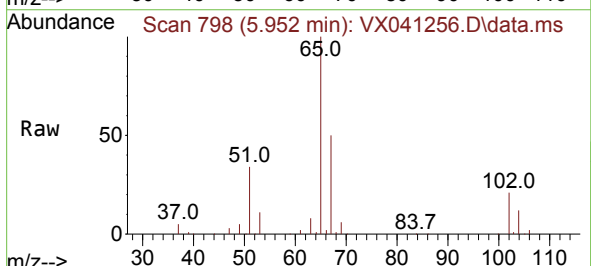


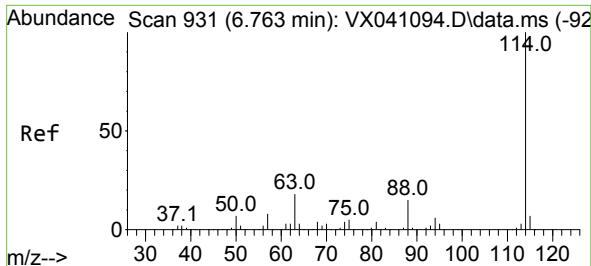
Tgt Ion: 56 Resp: 2392
Ion Ratio Lower Upper
56 100
69 144.7 23.4 35.2#
84 97.8 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 58.347 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Tgt Ion: 65 Resp: 79361
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.2

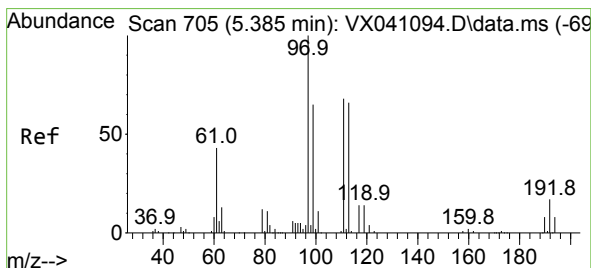
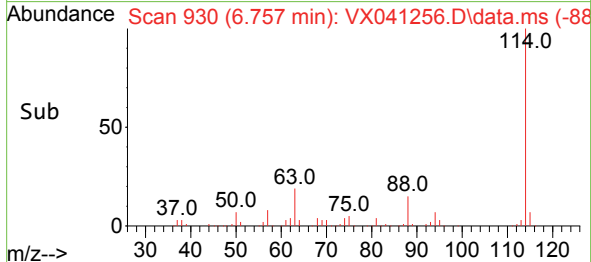
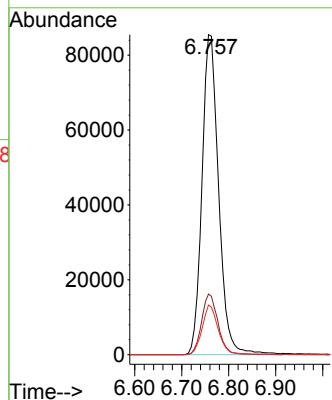
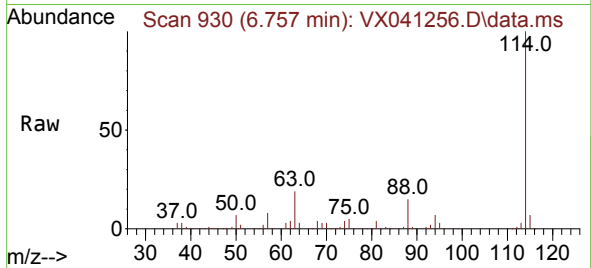




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

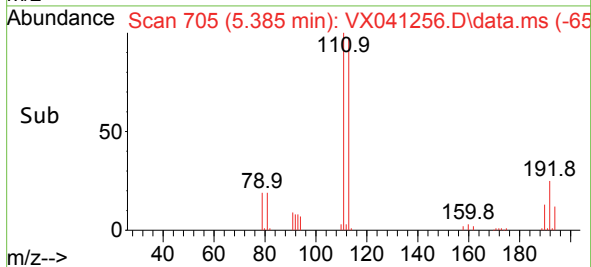
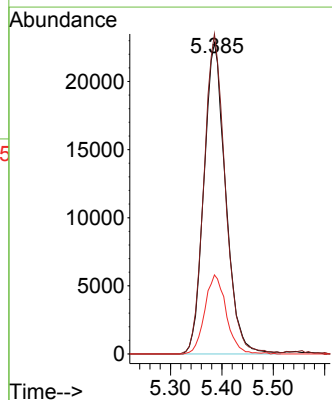
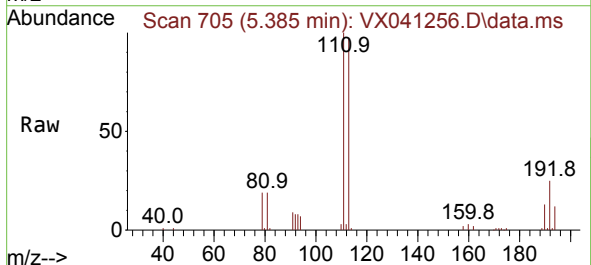
Instrument :
MSVOA_X
ClientSampleId :

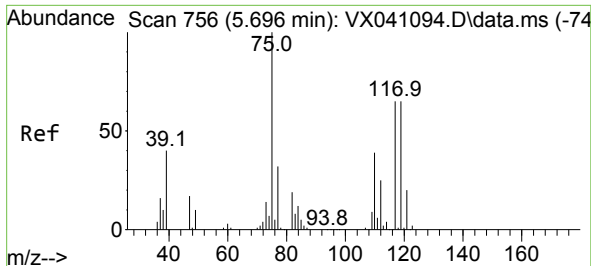
Tgt Ion:114 Resp: 210752
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.165 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Tgt Ion:113 Resp: 66874
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 25.2 13.3 19.9#

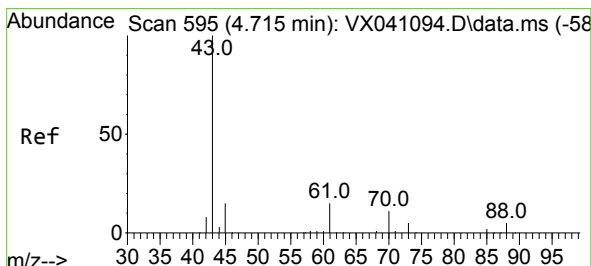
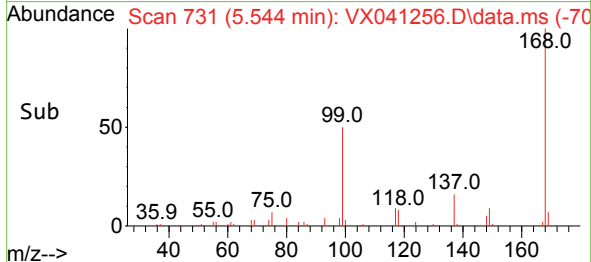
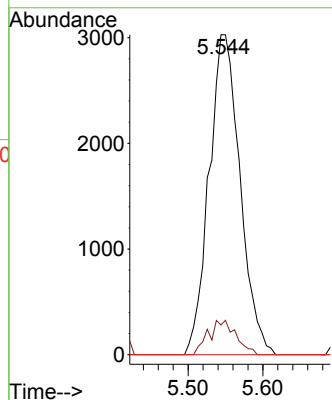
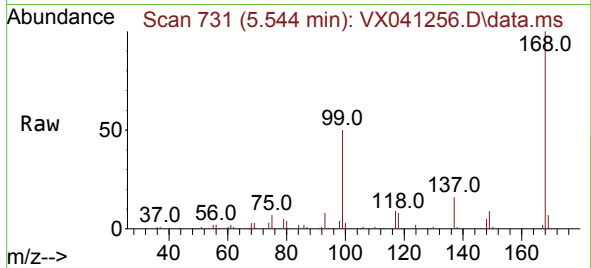




#36
1,1-Dichloropropene
Concen: 5.326 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

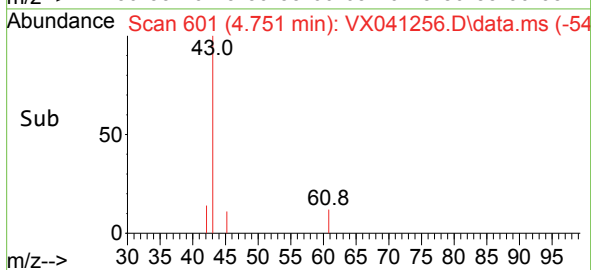
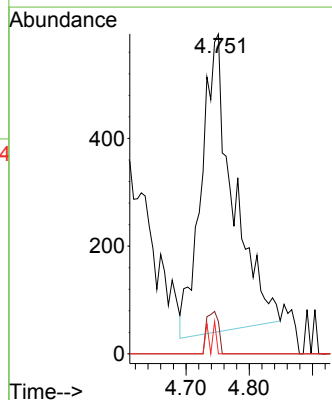
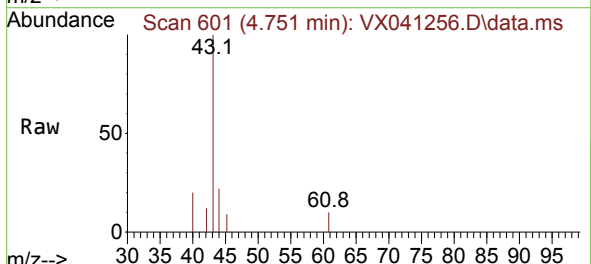
Instrument :
MSVOA_X
ClientSampleId :

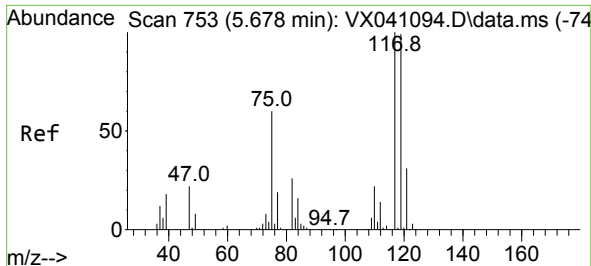
Tgt Ion: 75 Resp: 8737
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.076 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.031 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

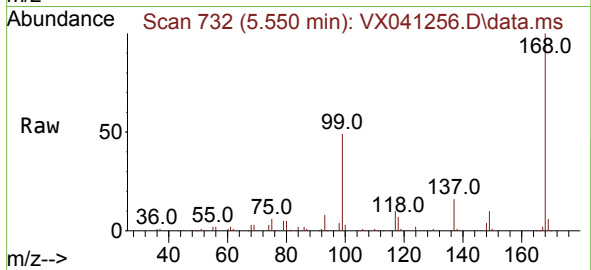
Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
61 5.3 10.6 16.0#
70 2.2 8.3 12.5#



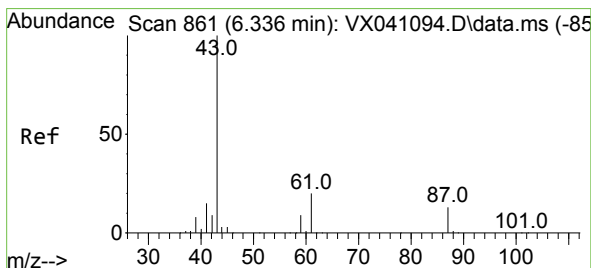
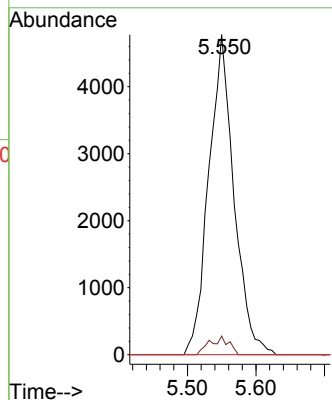
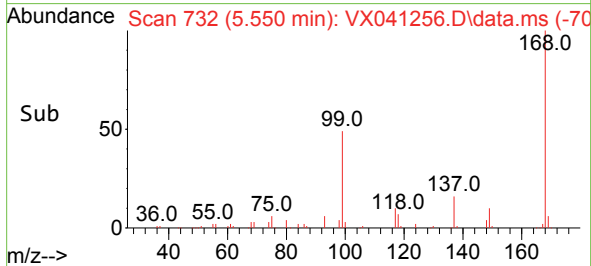


#38
Carbon Tetrachloride
Concen: 6.664 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Instrument :
MSVOA_X
ClientSampleId :

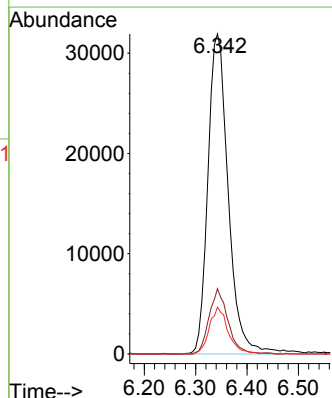
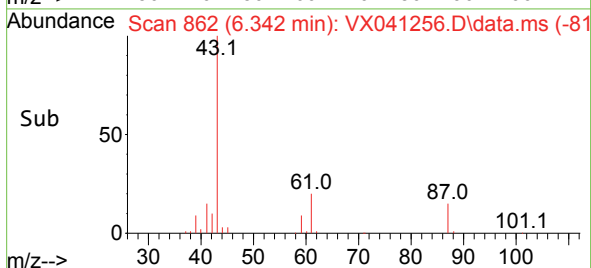
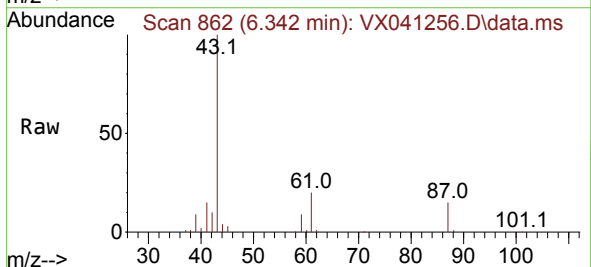


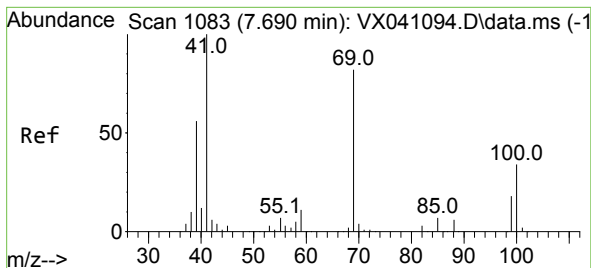
Tgt Ion:117 Resp: 12210
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 30.163 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Tgt Ion: 43 Resp: 87445
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 13.5 9.8 14.6





#48

Methyl methacrylate

Concen: 59.306 ug/l

RT: 7.800 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX041256.D

Acq: 26 Apr 2024 14:09

Instrument :

MSVOA_X

ClientSampleId :

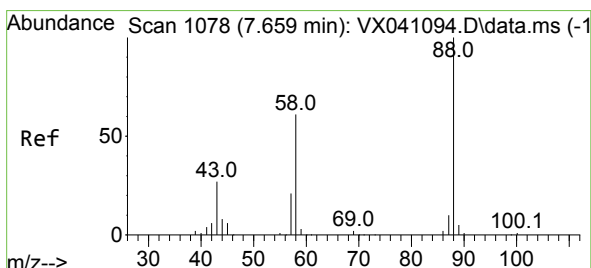
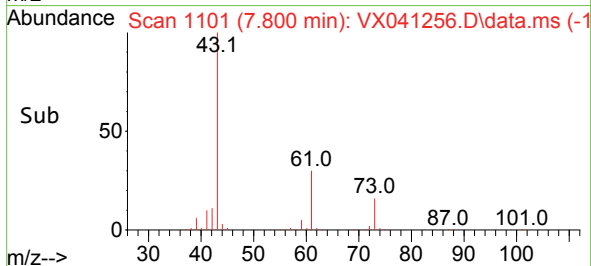
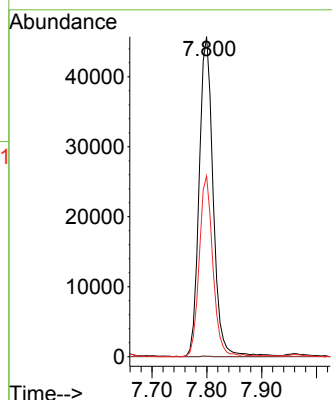
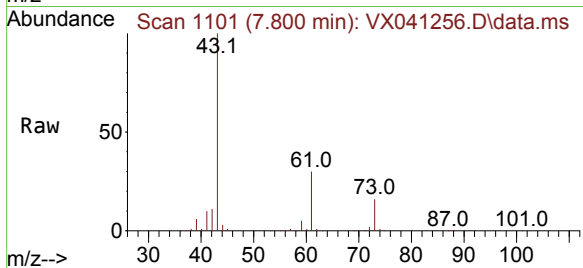
Tgt Ion: 41 Resp: 81322

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 55.1 47.7 71.5



#49

1,4-Dioxane

Concen: 2.812 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.116 min

Lab File: VX041256.D

Acq: 26 Apr 2024 14:09

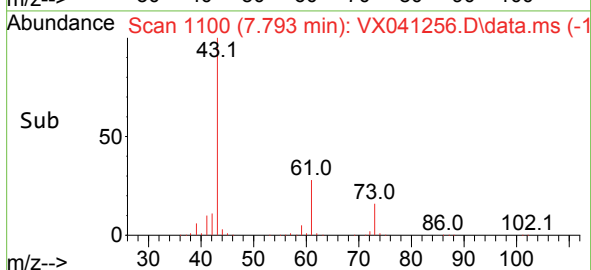
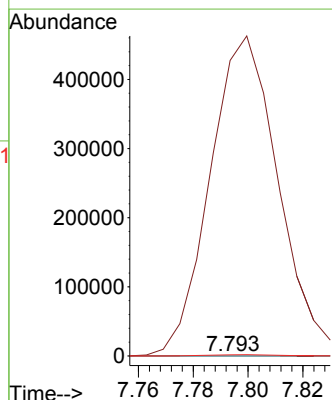
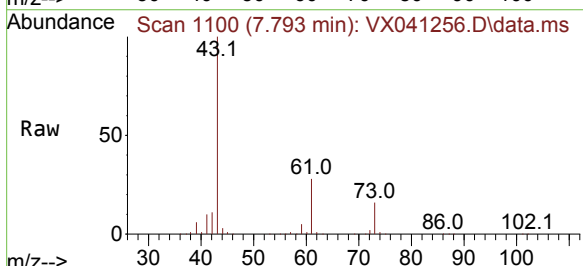
Tgt Ion: 88 Resp: 83

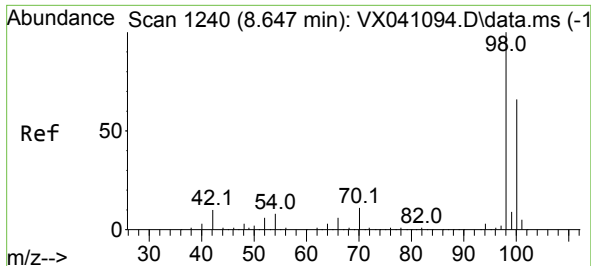
Ion Ratio Lower Upper

88 100

43 986762.7 0.0 0.0#

58 4177.1 60.1 90.1#

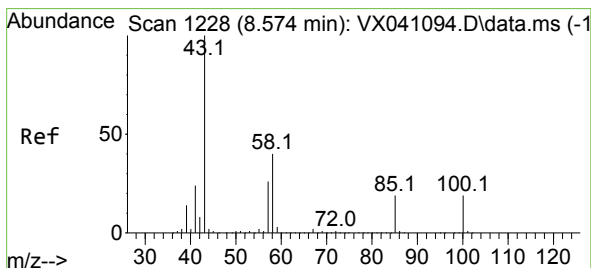
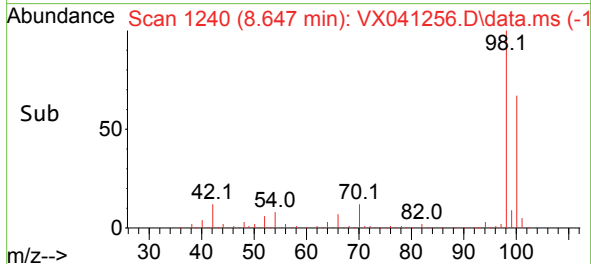
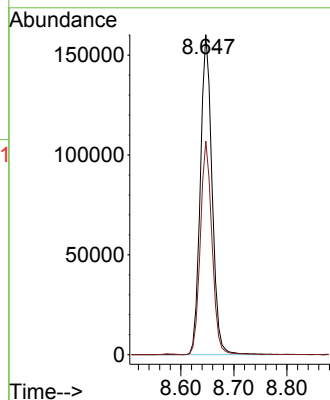
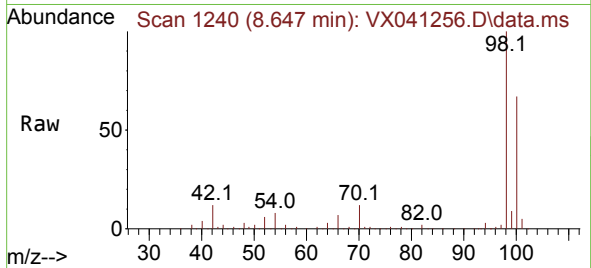




#50
Toluene-d8
Concen: 56.907 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

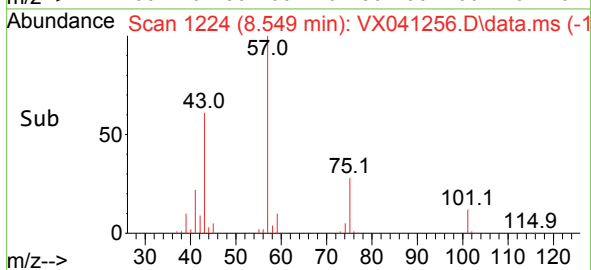
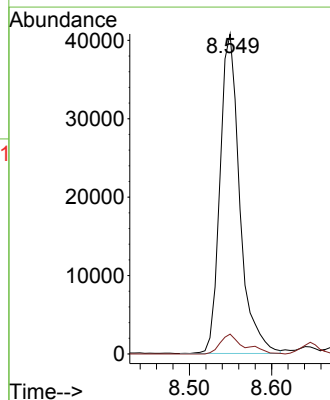
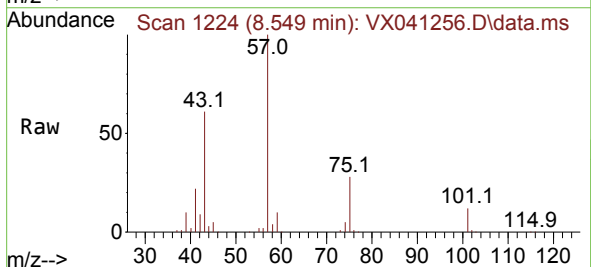
Instrument :
MSVOA_X
ClientSampleId :

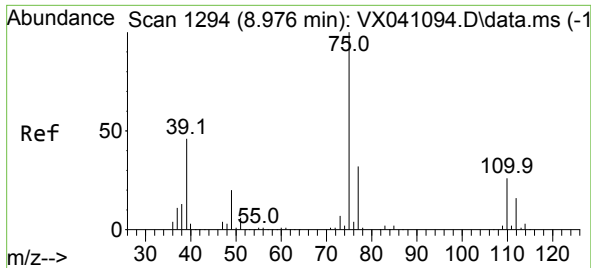
Tgt Ion: 98 Resp: 246138
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 37.490 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Tgt Ion: 43 Resp: 68029
Ion Ratio Lower Upper
43 100
58 7.5 30.4 45.6#

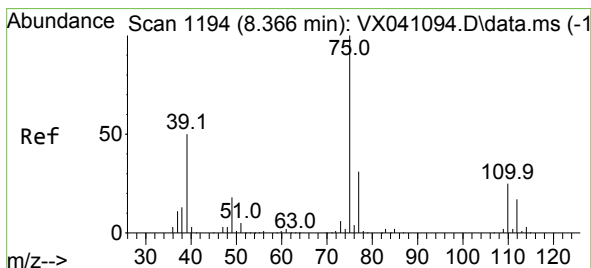
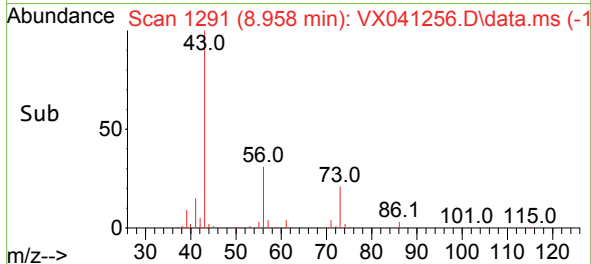
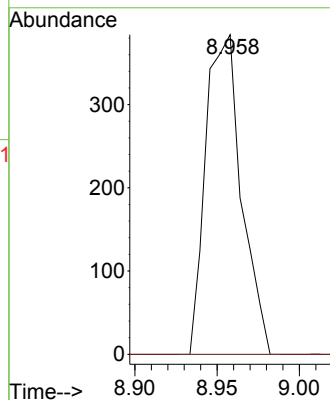
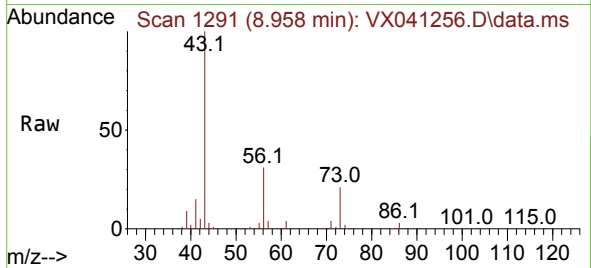




#53
 t-1,3-Dichloropropene
 Concen: 0.354 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX041256.D
 Acq: 26 Apr 2024 14:09

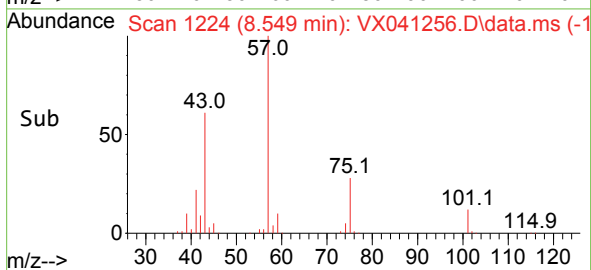
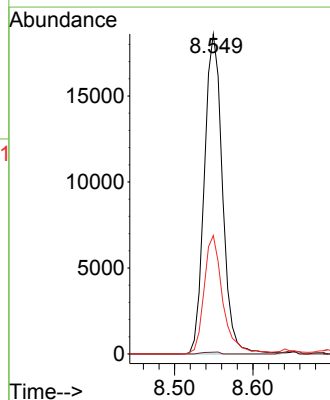
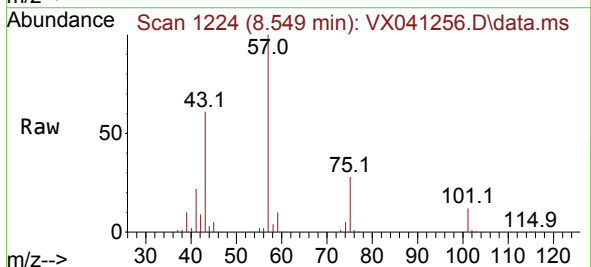
Instrument :
 MSVOA_X
 ClientSampleId :

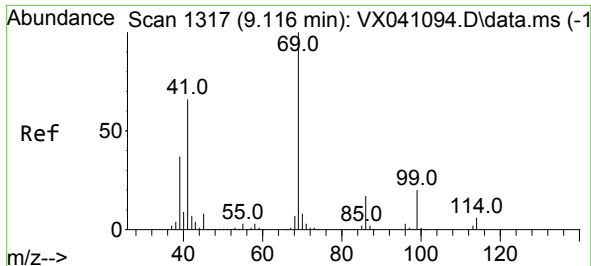
Tgt Ion: 75 Resp: 580
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 16.024 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041256.D
 Acq: 26 Apr 2024 14:09

Tgt Ion: 75 Resp: 29830
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 37.0 46.7 70.1#

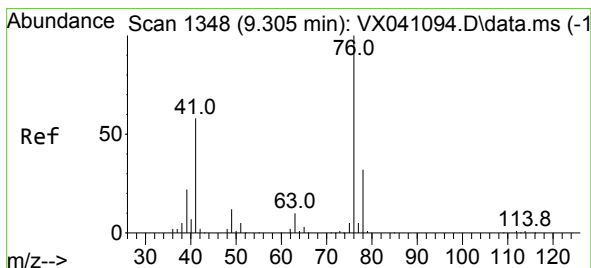
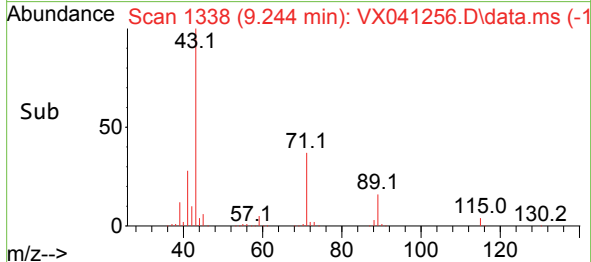
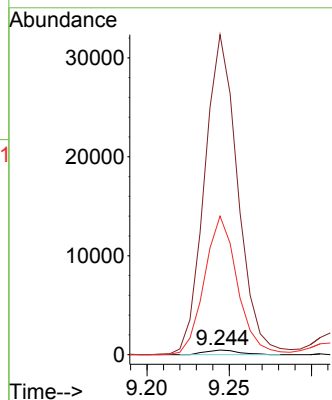
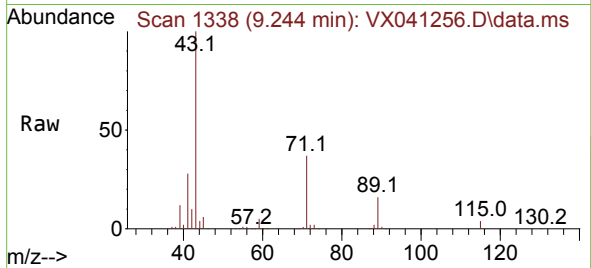




#56
Ethyl methacrylate
Concen: 0.347 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

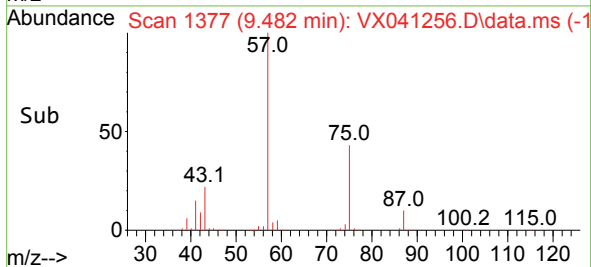
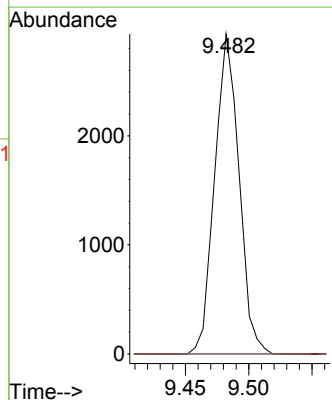
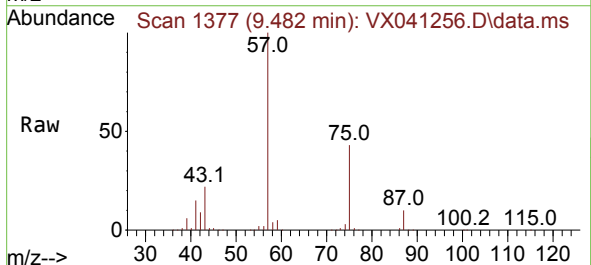
Instrument :
MSVOA_X
ClientSampleId :

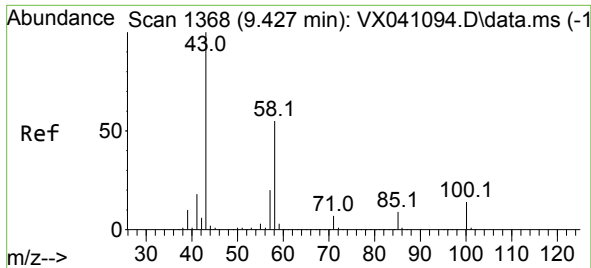
Tgt Ion: 69 Resp: 660
Ion Ratio Lower Upper
69 100
41 6922.9 56.8 85.2#
39 2968.3 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.898 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Tgt Ion: 76 Resp: 3914
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

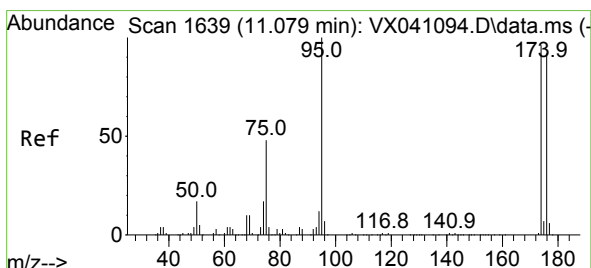
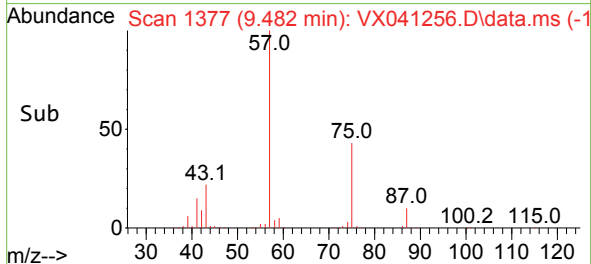
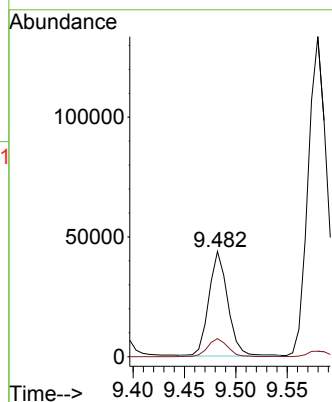
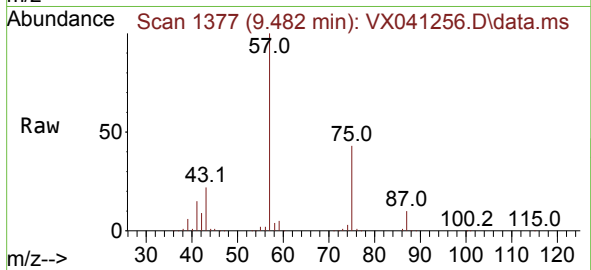




#59
2-Hexanone
Concen: 40.546 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

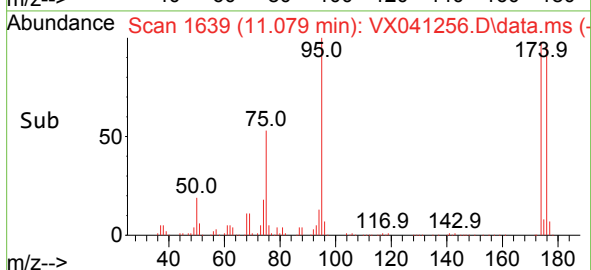
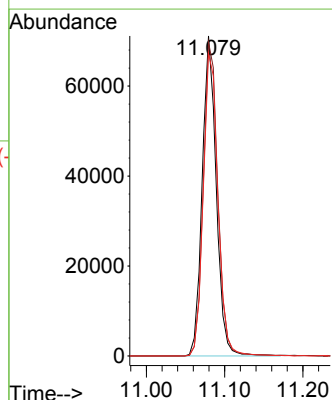
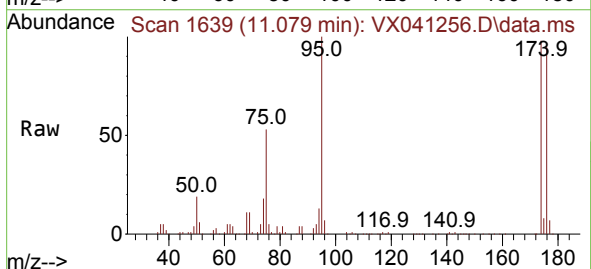
Instrument :
MSVOA_X
ClientSampleId :

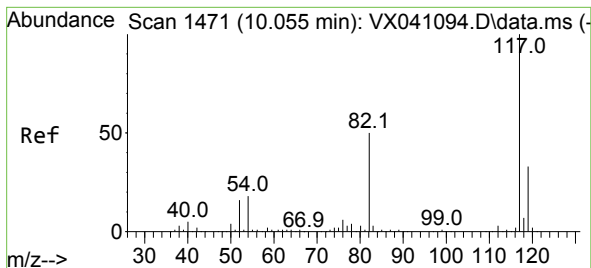
Tgt Ion: 43 Resp: 56420
Ion Ratio Lower Upper
43 100
58 18.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 55.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041256.D
Acq: 26 Apr 2024 14:09

Tgt Ion: 95 Resp: 88431
Ion Ratio Lower Upper
95 100
174 101.9 0.0 135.6
176 99.0 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: VX041256.D

Acq: 26 Apr 2024 14:09

Instrument :

MSVOA_X

ClientSampleId :

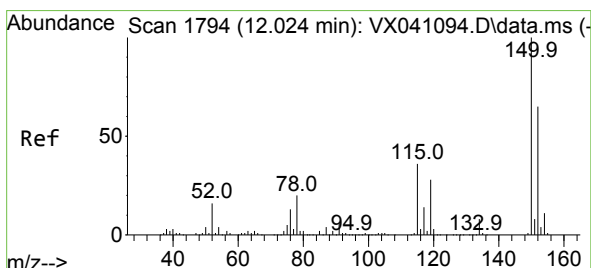
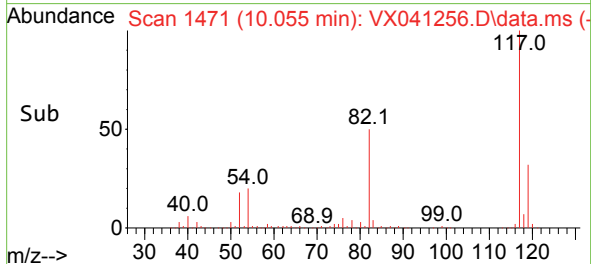
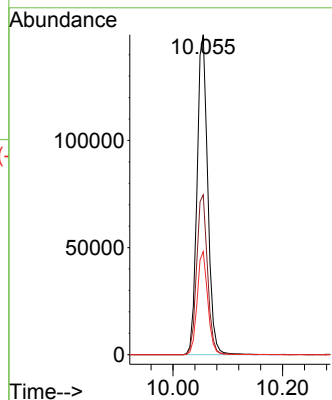
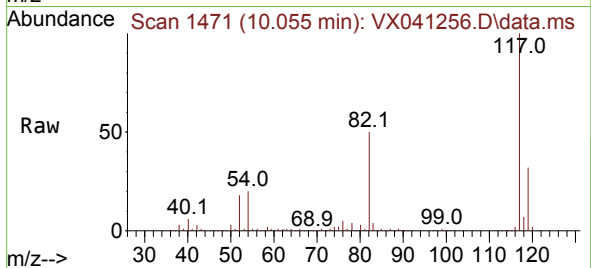
Tgt Ion:117 Resp: 203905

Ion Ratio Lower Upper

117 100

82 50.0 46.2 69.4

119 32.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX041256.D

Acq: 26 Apr 2024 14:09

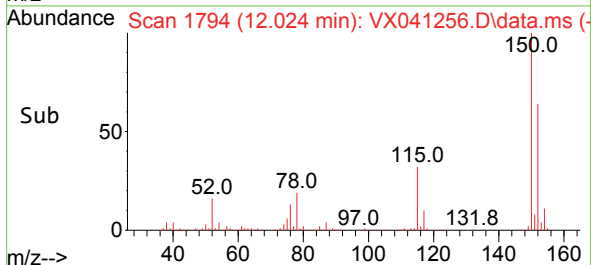
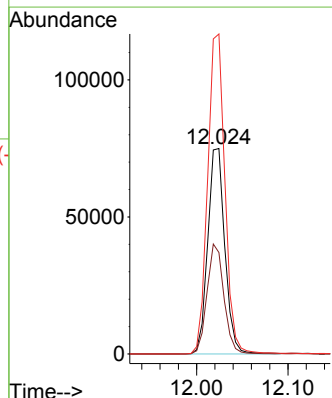
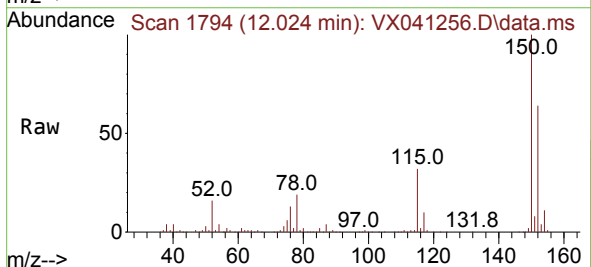
Tgt Ion:152 Resp: 97536

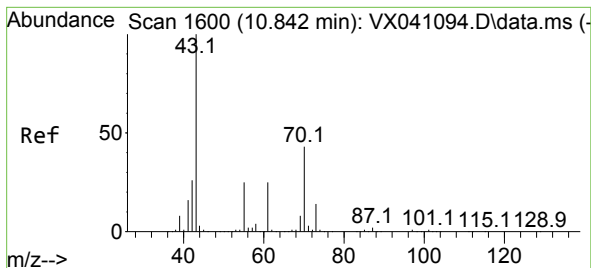
Ion Ratio Lower Upper

152 100

115 52.8 43.3 129.9

150 157.2 0.0 345.0





#74

N-amy1 acetate

Concen: 0.251 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

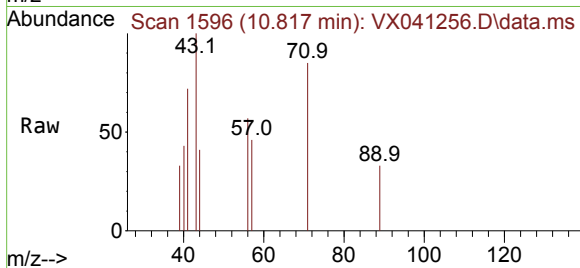
Lab File: VX041256.D

Acq: 26 Apr 2024 14:09

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 599

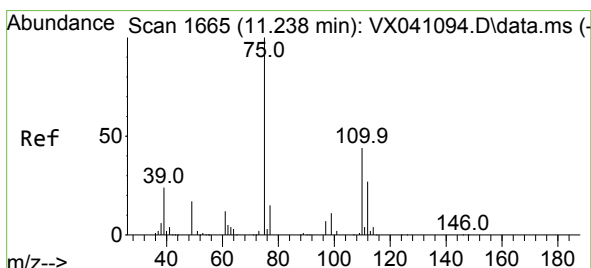
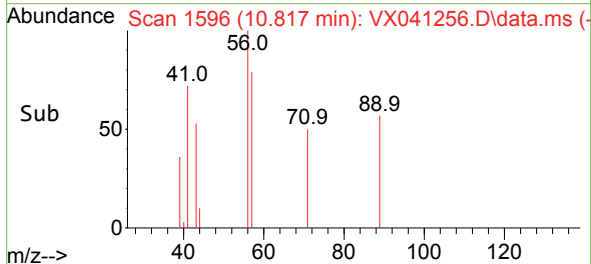
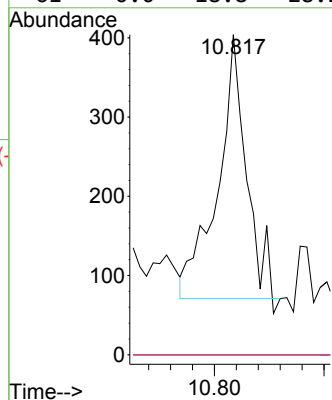
Ion Ratio Lower Upper

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: 29.476 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041256.D

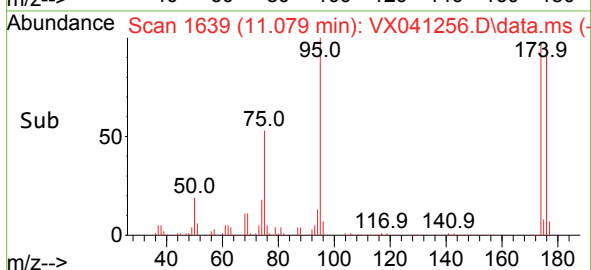
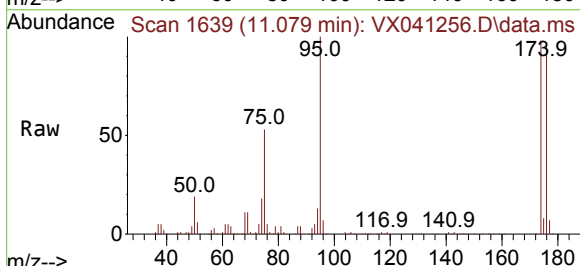
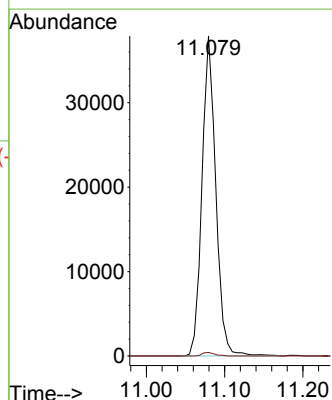
Acq: 26 Apr 2024 14:09

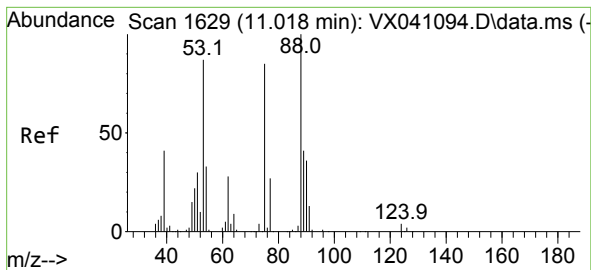
Tgt Ion: 75 Resp: 46321

Ion Ratio Lower Upper

75 100

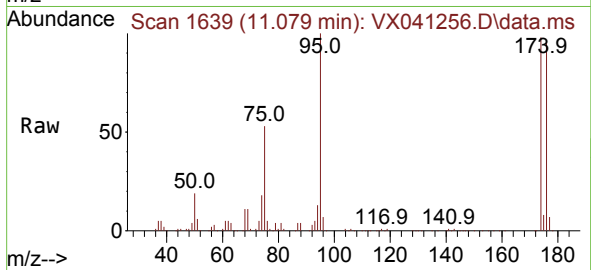
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.161 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041256.D
 Acq: 26 Apr 2024 14:09

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 46321
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

