

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042274.D
 Acq On : 10 Jul 2024 17:54
 Operator : JC/MD
 Sample : P3184-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 01:01:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

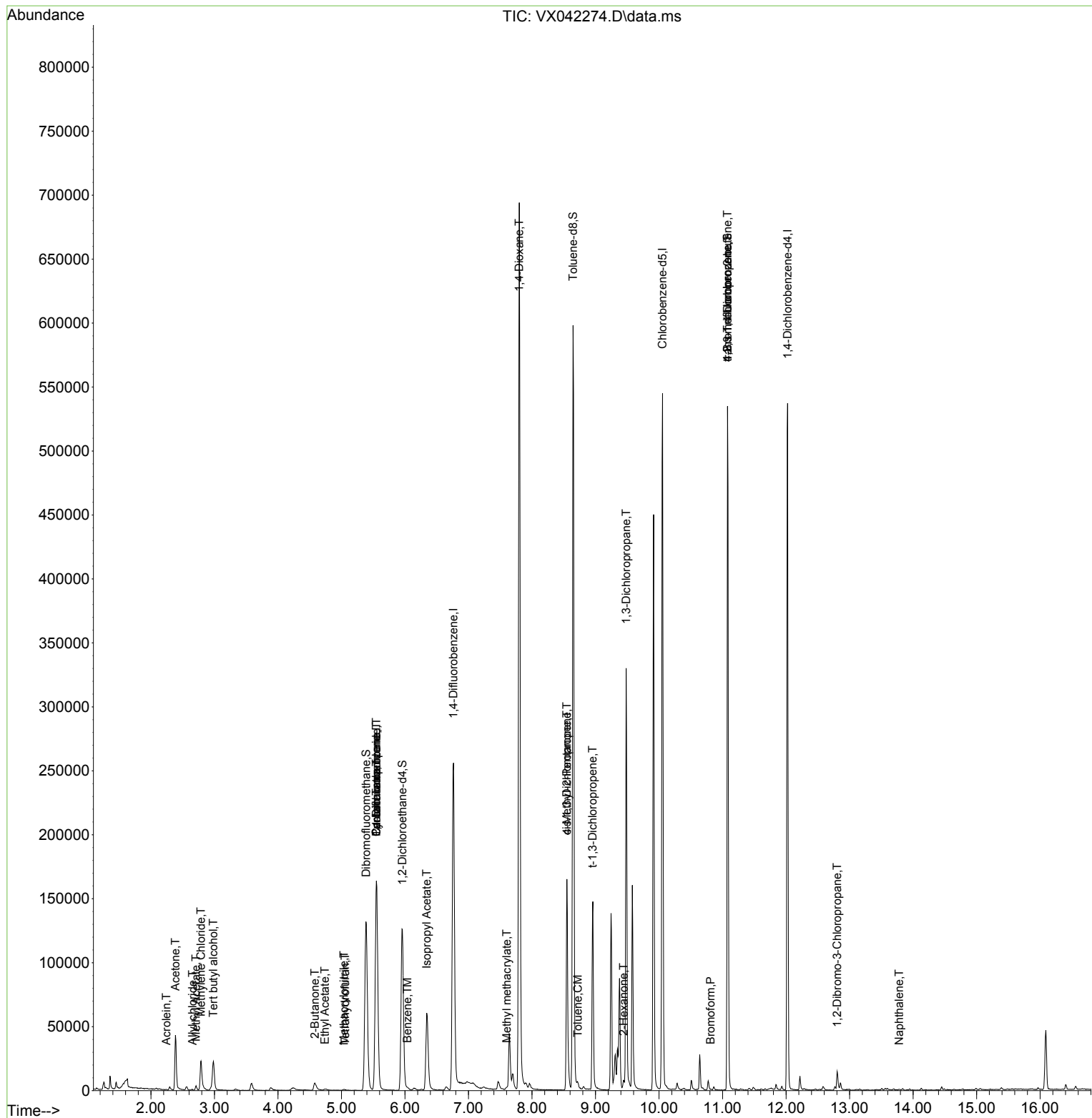
Internal Standards						
1) Pentafluorobenzene	5.550	168	183816	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	293135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	121830	57.477	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.960%			
35) Dibromofluoromethane	5.385	113	117379	56.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.860%			
50) Toluene-d8	8.647	98	369392	50.553	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.100%			
62) 4-Bromofluorobenzene	11.079	95	139088	51.638	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.280%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	189	Below Cal	#	43
11) Tert butyl alcohol	2.983	59	29673	73.764	ug/l #	94
13) Acrolein	2.239	56	365	0.809	ug/l #	81
14) Allyl chloride	2.654	41	930	0.370	ug/l #	36
16) Acetone	2.386	43	48441	52.046	ug/l #	88
18) Methyl Acetate	2.709	43	4078	1.606	ug/l	97
20) Methylene Chloride	2.788	84	13392	6.571	ug/l #	84
25) 2-Butanone	4.580	43	11893	8.213	ug/l	98
29) Tetrahydrofuran	5.056	42	543	0.581	ug/l #	66
31) Cyclohexane	5.550	56	2447	0.987	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10517	4.762	ug/l #	50
37) Ethyl Acetate	4.739	43	2725	0.947	ug/l #	71
38) Carbon Tetrachloride	5.550	117	15451	6.331	ug/l #	15
40) Benzene	6.037	78	1927	0.259	ug/l	99
41) Methacrylonitrile	5.038	41	420	0.269	ug/l #	33
43) Isopropyl Acetate	6.342	43	82585	18.700	ug/l #	93
48) Methyl methacrylate	7.604	41	1912	0.907	ug/l #	16
49) 1,4-Dioxane	7.799	88	70	21.162	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55457	18.230	ug/l #	48
52) Toluene	8.720	92	989	0.208	ug/l	99
53) t-1,3-Dichloropropene	8.951	75	347	1.026	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28428	10.597	ug/l #	52
57) 1,3-Dichloropropane	9.482	76	2763	0.865	ug/l #	42
59) 2-Hexanone	9.439	43	4095	1.758	ug/l	97
71) Bromoform	10.811	173	21	0.887	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	62818	26.731	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62818	75.915	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	12.804	75	150	0.259	ug/l #	9
95) Naphthalene	13.780	128	812	0.834	ug/l #	83

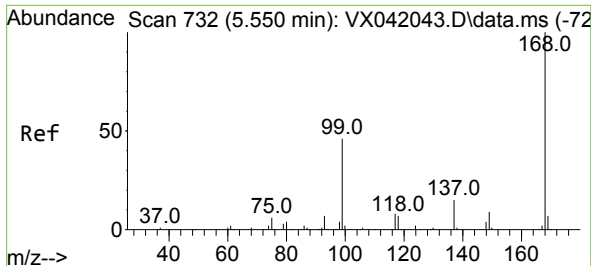
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
Data File : VX042274.D
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Sample : P3184-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

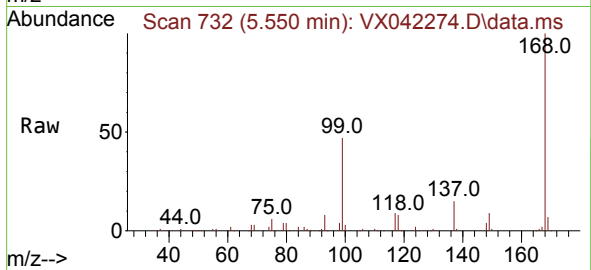
Quant Time: Jul 11 01:01:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



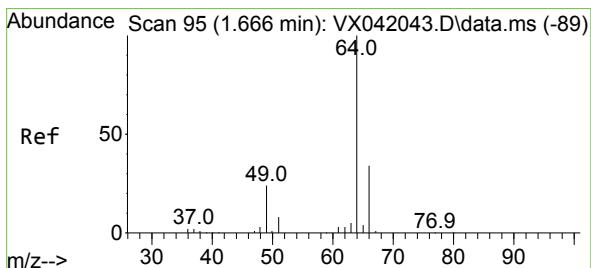
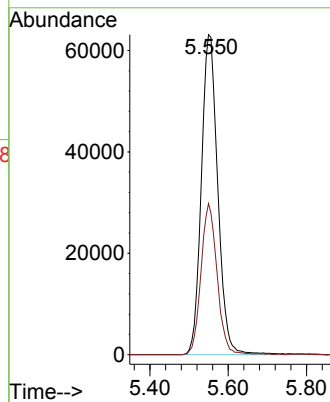
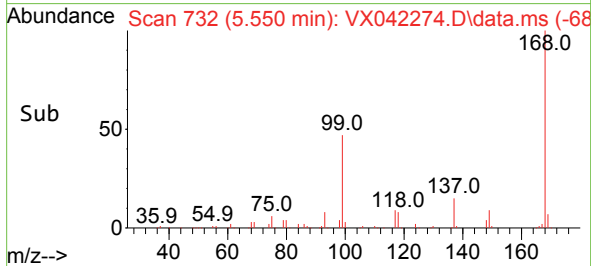


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :

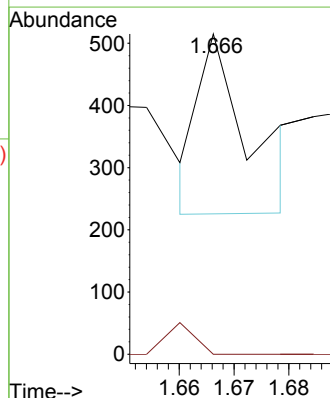
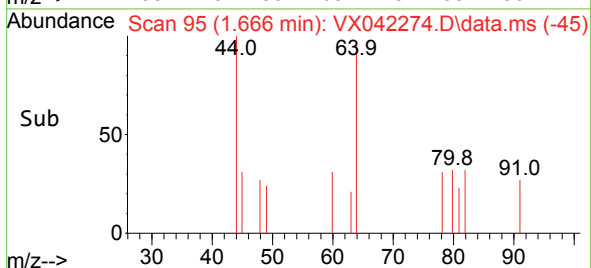
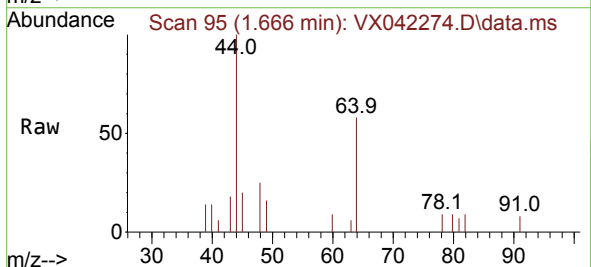


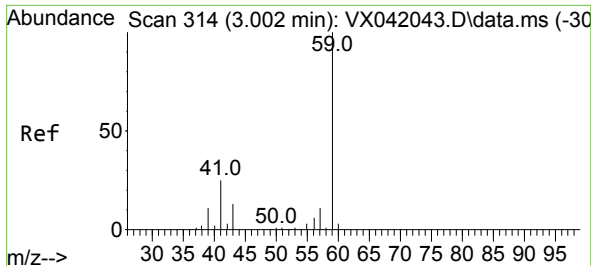
Tgt Ion:168 Resp: 183816
Ion Ratio Lower Upper
168 100
99 47.2 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

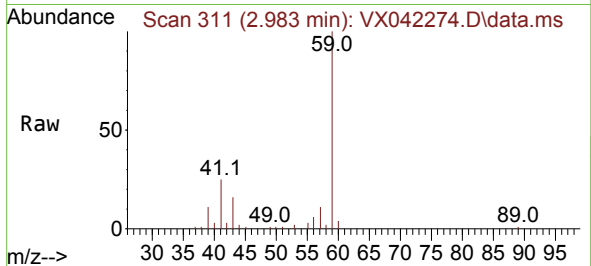
Tgt Ion: 64 Resp: 189
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



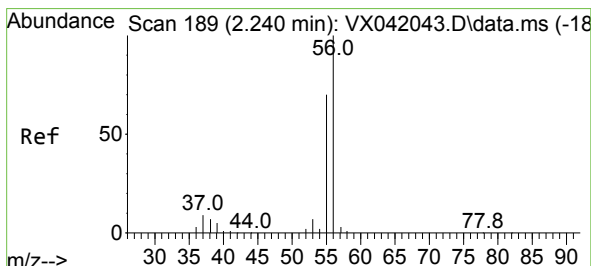
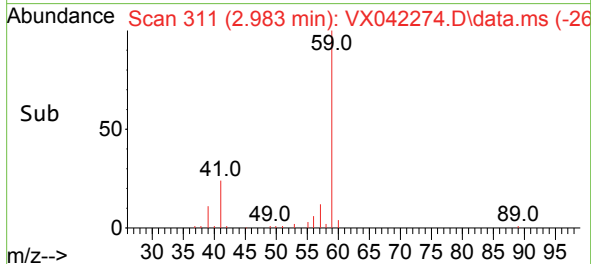
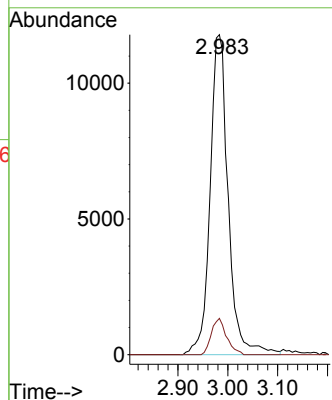


#11
Tert butyl alcohol
Concen: 73.764 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.024 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :

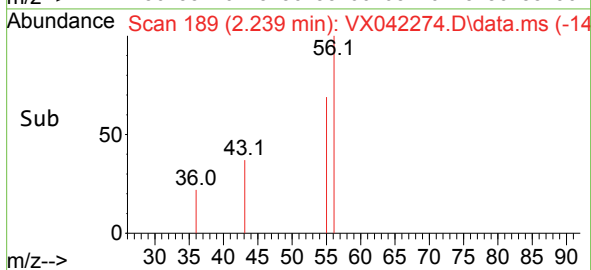
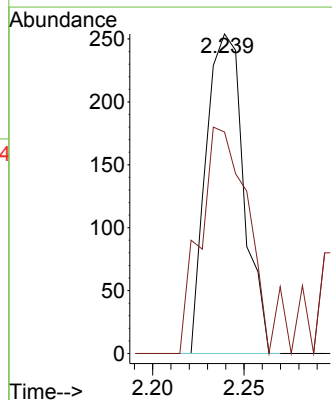
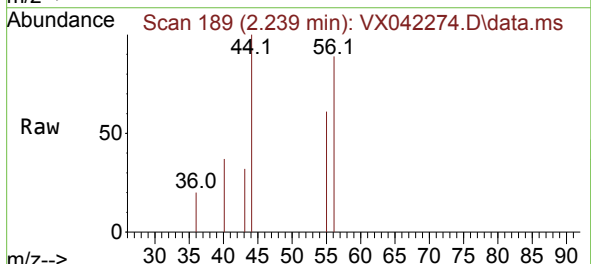


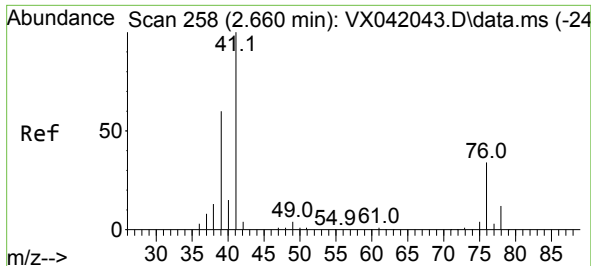
Tgt Ion: 59 Resp: 29673
Ion Ratio Lower Upper
59 100
57 9.5 6.0 9.0#



#13
Acrolein
Concen: 0.809 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

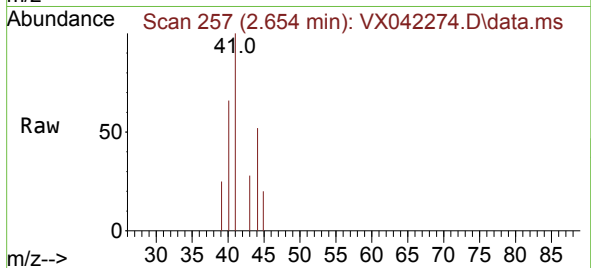
Tgt Ion: 56 Resp: 365
Ion Ratio Lower Upper
56 100
55 87.4 57.1 85.7#



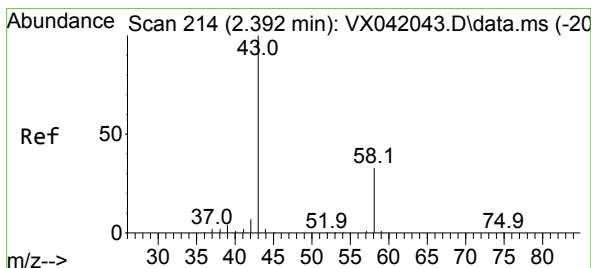
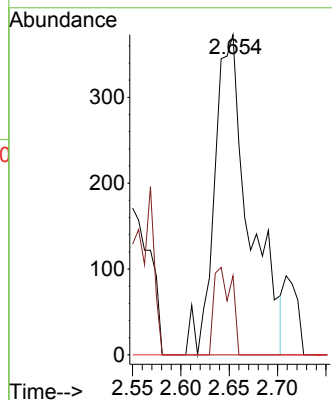


#14
Allyl chloride
Concen: 0.370 ug/l
RT: 2.654 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :

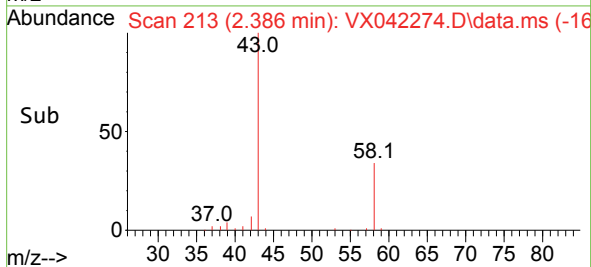
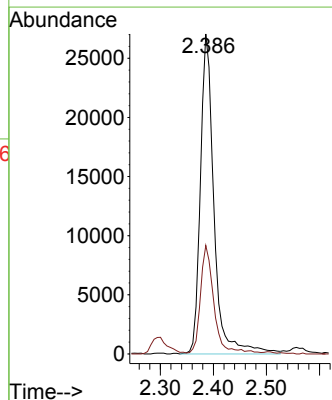
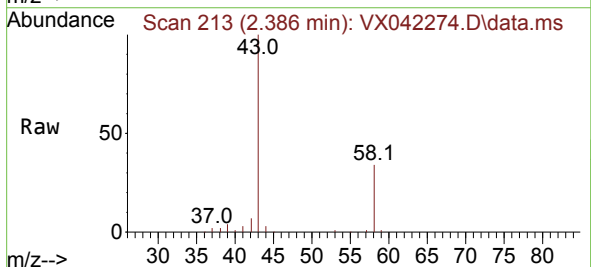


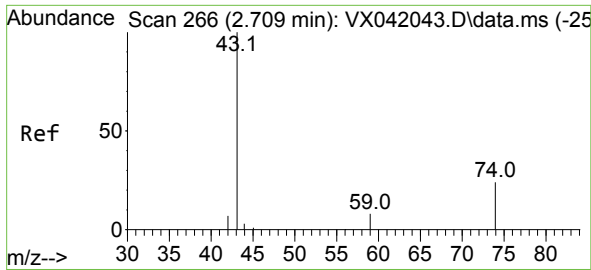
Tgt Ion: 41 Resp: 930
Ion Ratio Lower Upper
41 100
39 13.9 55.8 83.6#
76 0.0 24.3 36.5#



#16
Acetone
Concen: 52.046 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Tgt Ion: 43 Resp: 48441
Ion Ratio Lower Upper
43 100
58 33.5 21.9 32.9#

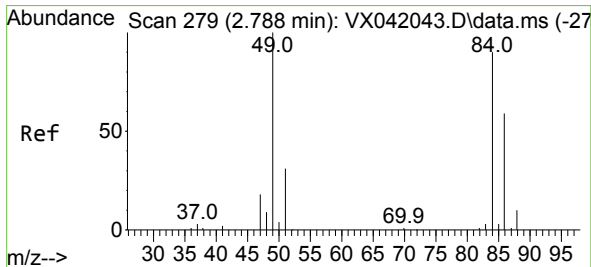
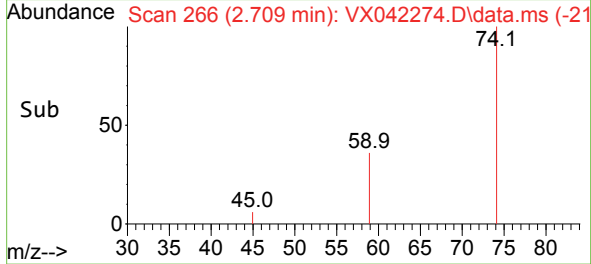
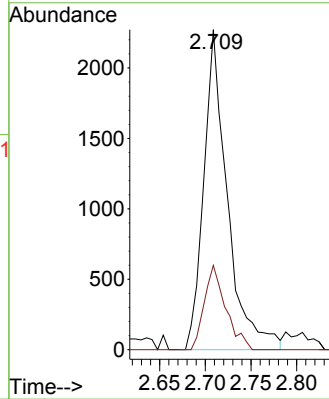
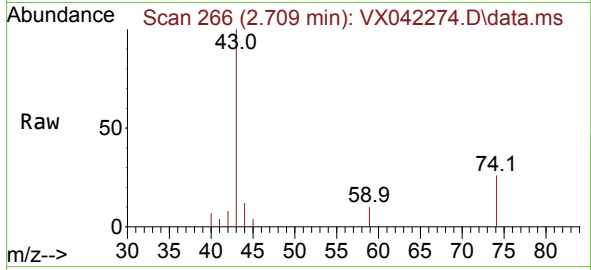




#18
Methyl Acetate
Concen: 1.606 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

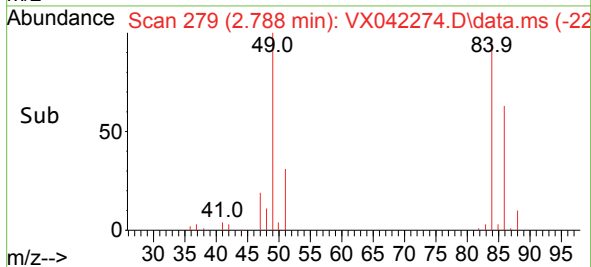
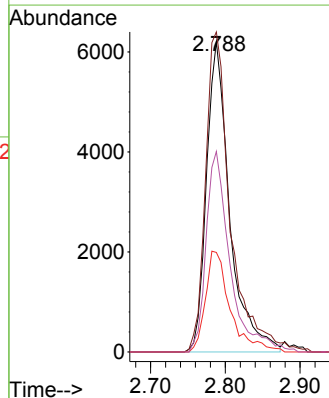
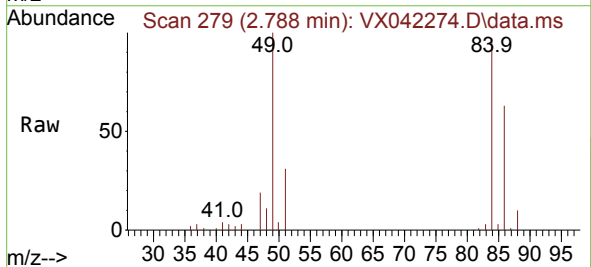
Instrument :
MSVOA_X
ClientSampleId :

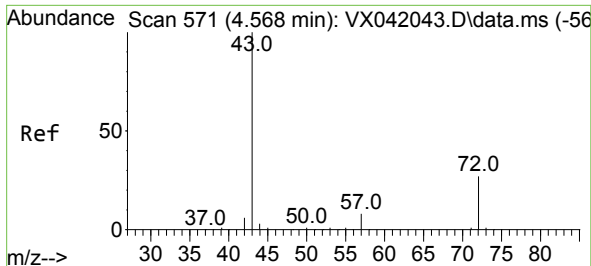
Tgt Ion: 43 Resp: 4078
Ion Ratio Lower Upper
43 100
74 23.9 17.8 26.8



#20
Methylene Chloride
Concen: 6.571 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Tgt Ion: 84 Resp: 13392
Ion Ratio Lower Upper
84 100
49 103.1 103.6 155.4#
51 32.1 33.8 50.6#
86 64.6 49.4 74.0

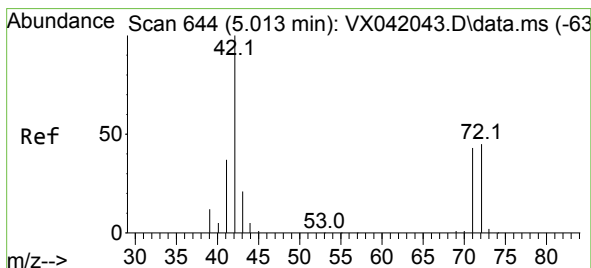
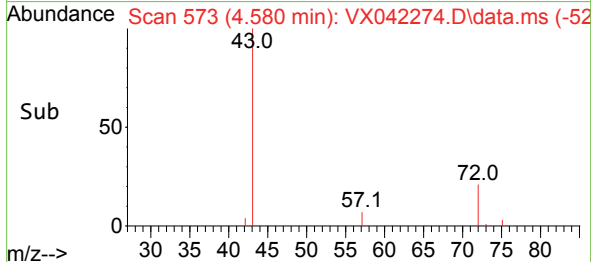
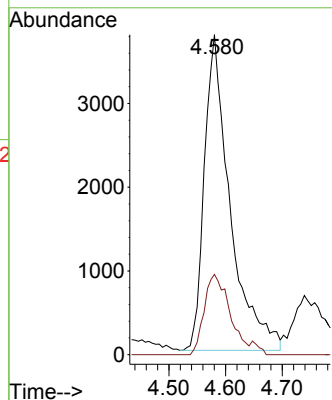
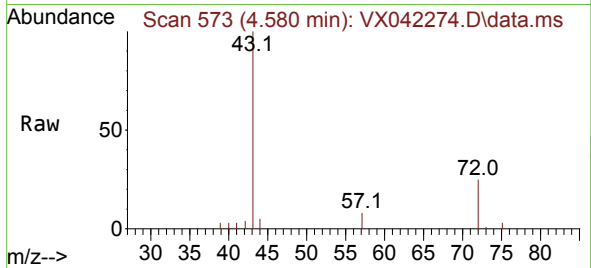




#25
2-Butanone
Concen: 8.213 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

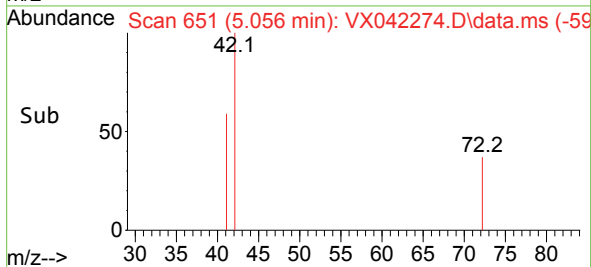
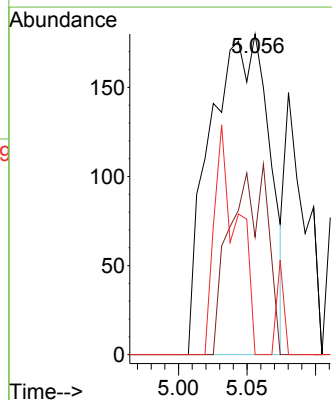
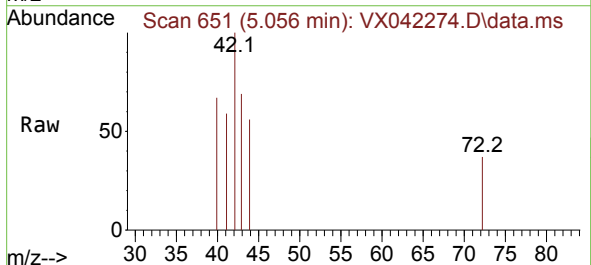
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MSVOA_X
ClientSampleId :

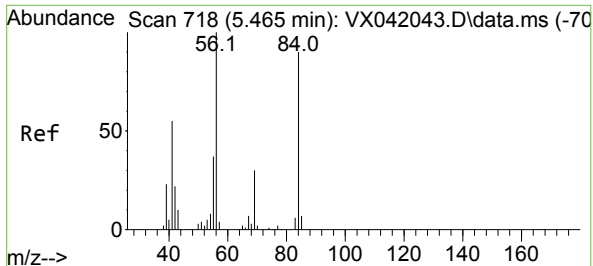
Tgt Ion: 43 Resp: 11893
Ion Ratio Lower Upper
43 100
72 25.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.581 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.037 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

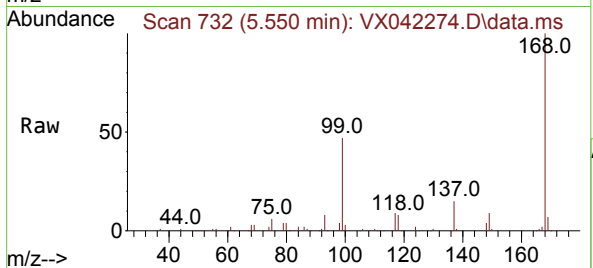
Tgt Ion: 42 Resp: 543
Ion Ratio Lower Upper
42 100
72 36.5 34.2 51.4
71 3.5 32.2 48.2#



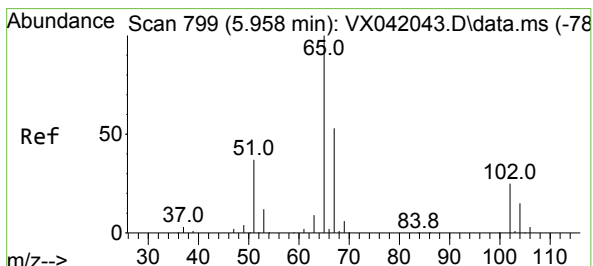
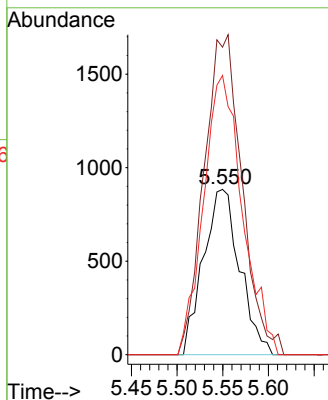
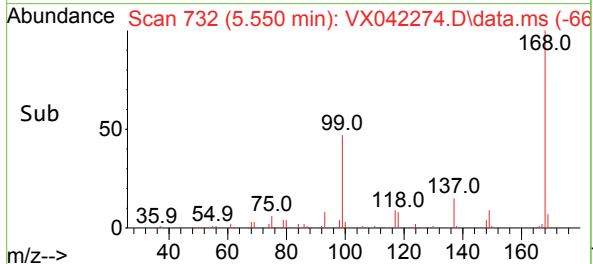


#31
Cyclohexane
Concen: 0.987 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :

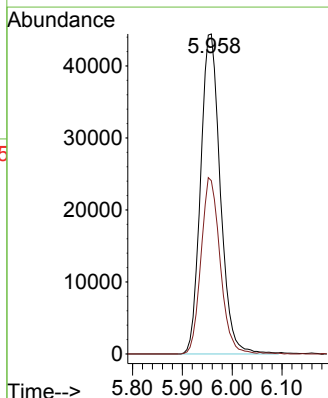
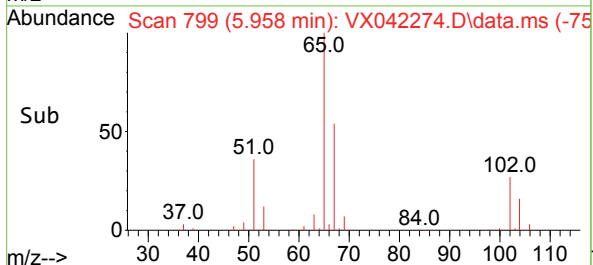
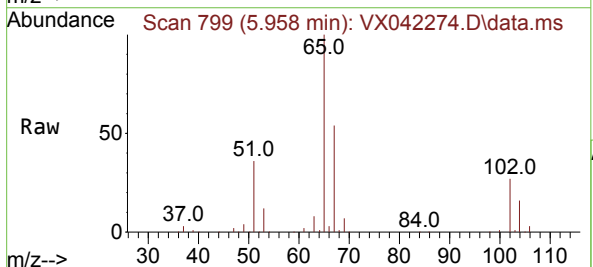


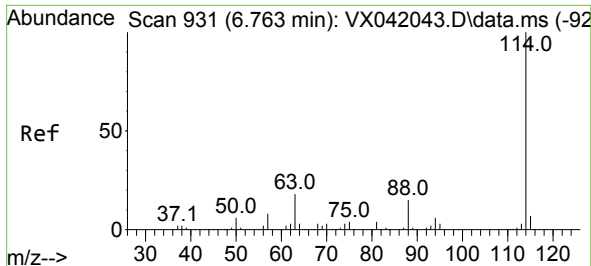
Tgt Ion: 56 Resp: 2447
Ion Ratio Lower Upper
56 100
69 186.0 23.4 35.2#
84 168.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 57.477 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Tgt Ion: 65 Resp: 121830
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.2

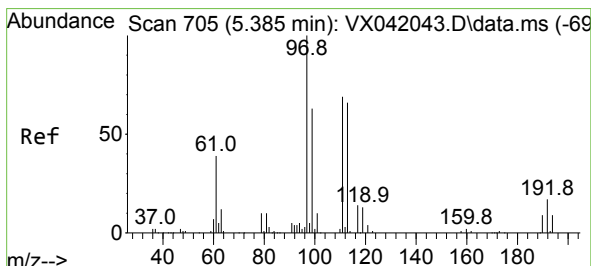
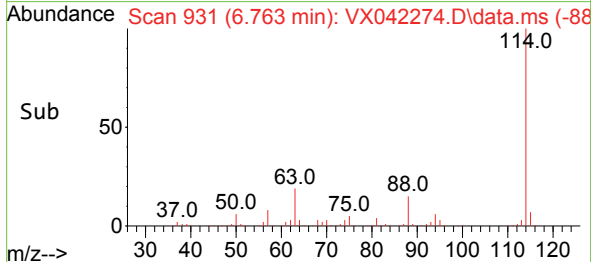
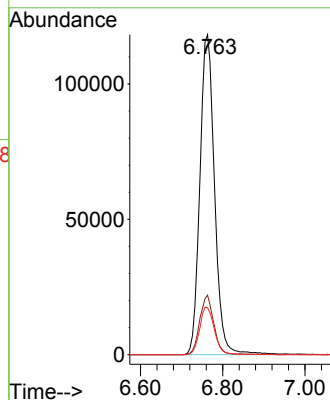
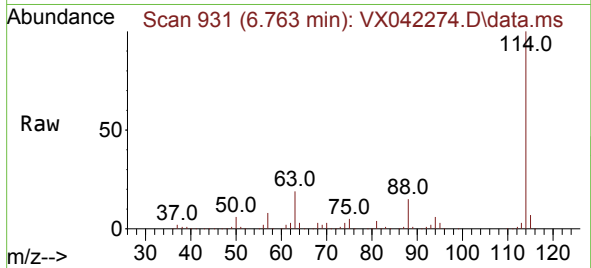




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

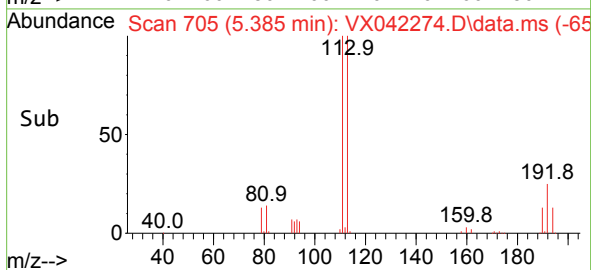
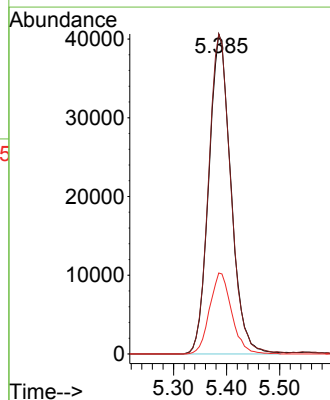
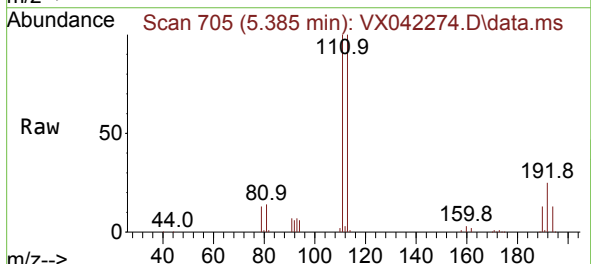
Instrument :
MSVOA_X
ClientSampleId :

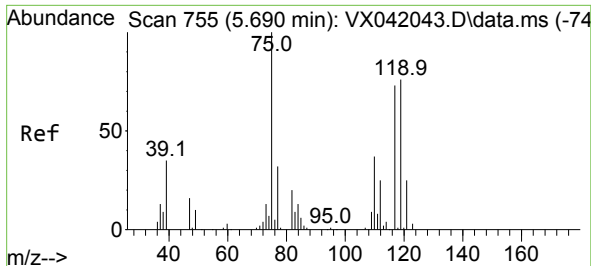
Tgt Ion:114 Resp: 293135
Ion Ratio Lower Upper
114 100
63 18.6 0.0 45.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 56.434 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

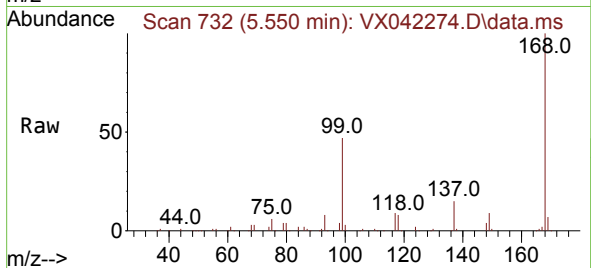
Tgt Ion:113 Resp: 117379
Ion Ratio Lower Upper
113 100
111 100.9 82.9 124.3
192 25.3 13.3 19.9#



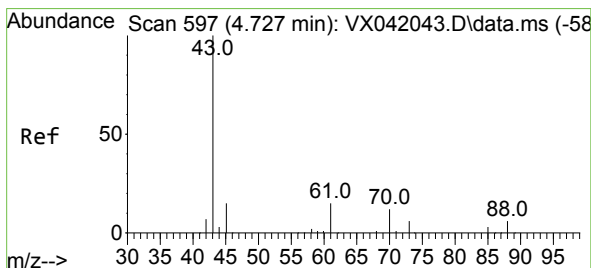
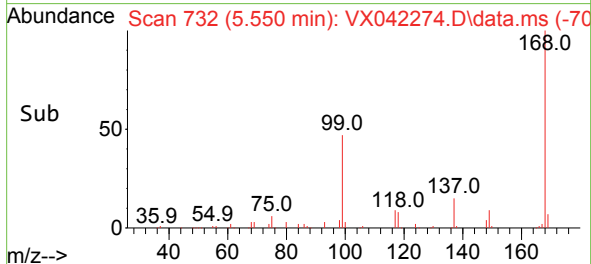
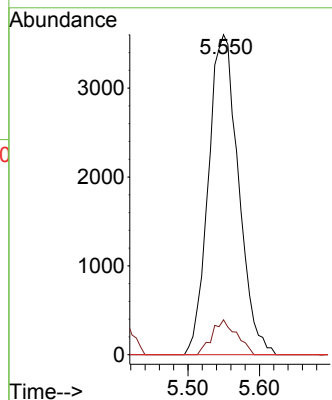


#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :

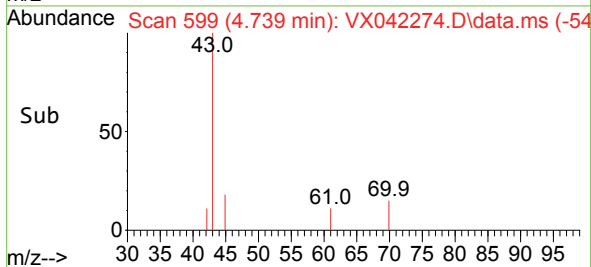
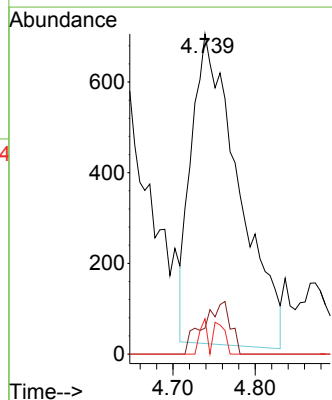
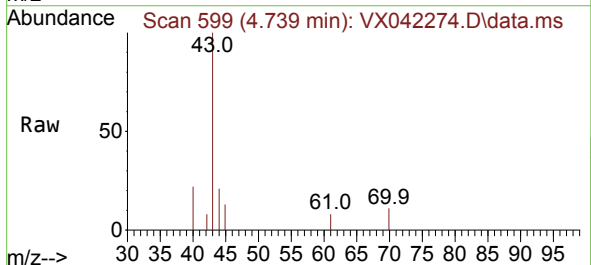


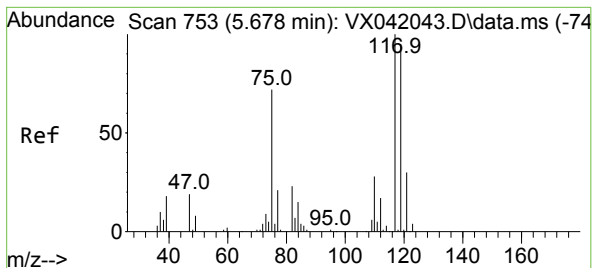
Tgt Ion: 75 Resp: 10517
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.947 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.012 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Tgt Ion: 43 Resp: 2725
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 1.8 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 6.331 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

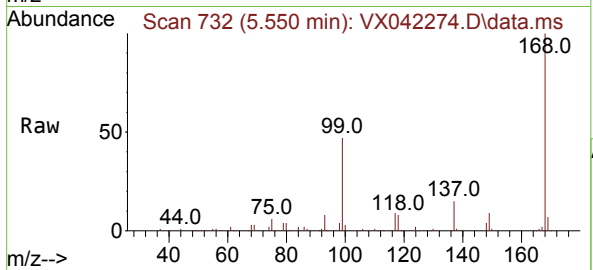
Lab File: VX042274.D

Acq: 10 Jul 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :



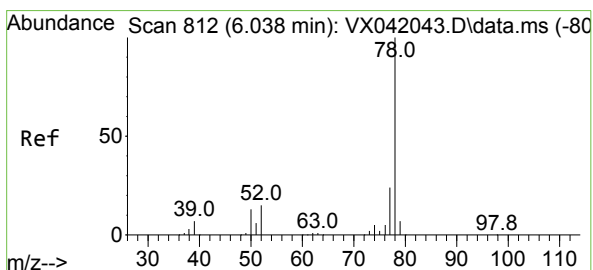
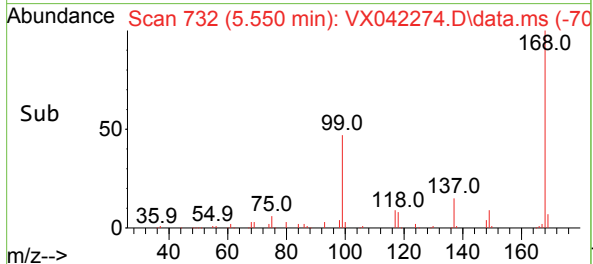
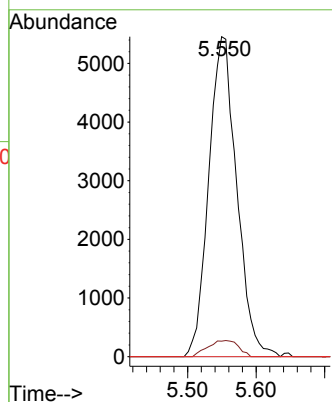
Tgt Ion:117 Resp: 15451

Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 0.259 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX042274.D

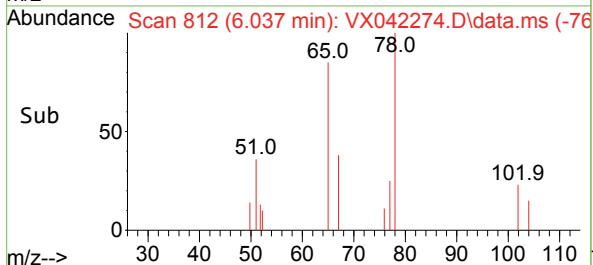
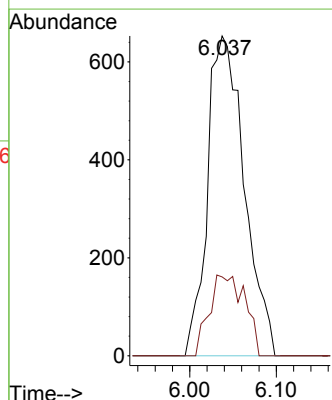
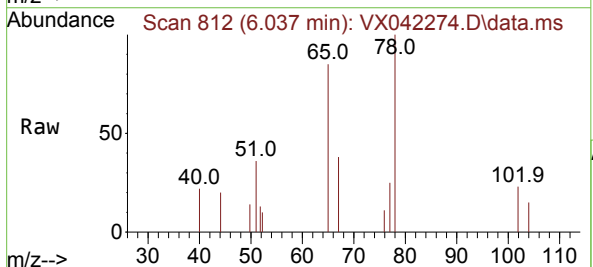
Acq: 10 Jul 2024 17:54

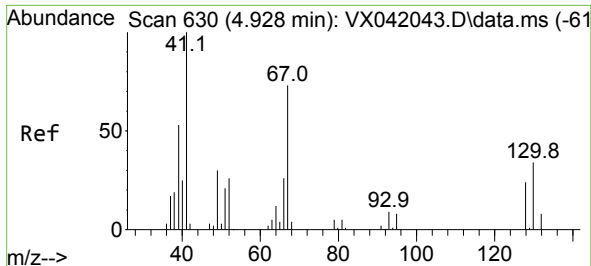
Tgt Ion: 78 Resp: 1927

Ion Ratio Lower Upper

78 100

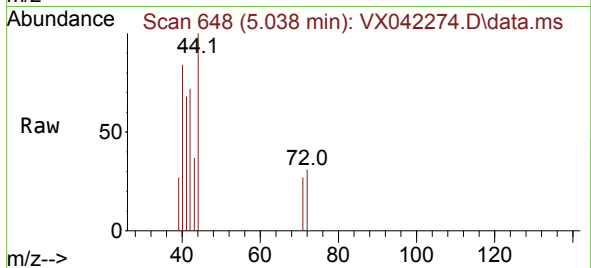
77 24.7 19.3 28.9



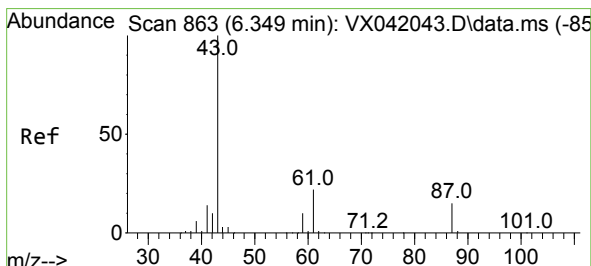
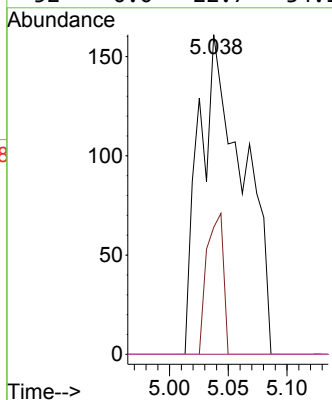
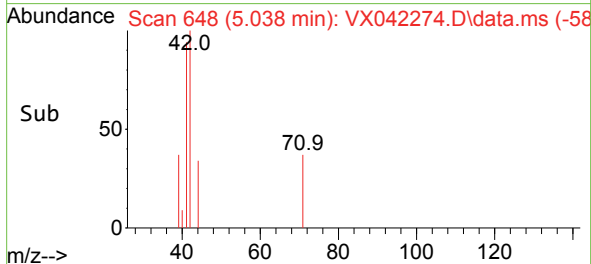


#41
Methacrylonitrile
Concen: 0.269 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :

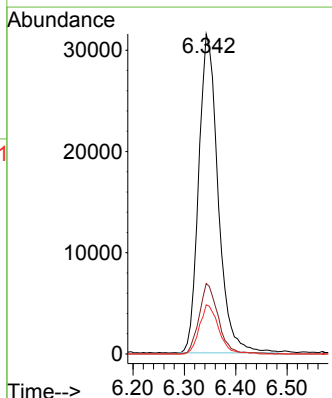
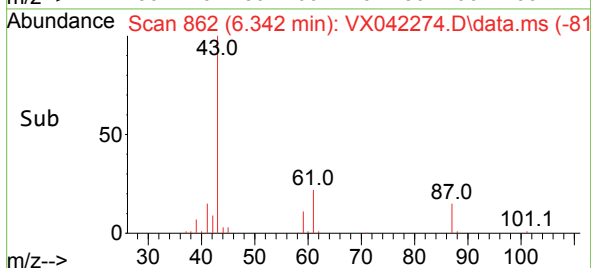
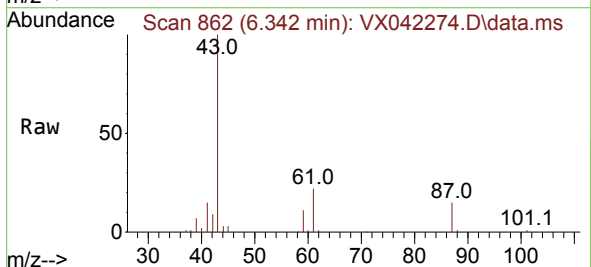


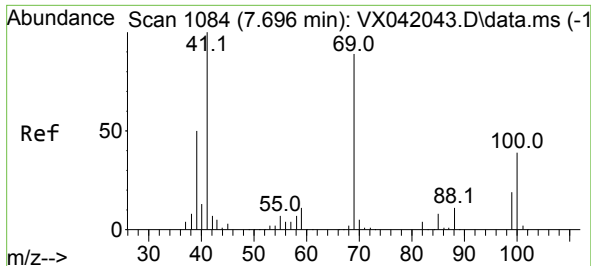
Tgt Ion: 41 Resp: 420
Ion Ratio Lower Upper
41 100
39 16.4 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 18.700 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Tgt Ion: 43 Resp: 82585
Ion Ratio Lower Upper
43 100
61 21.9 15.2 22.8
87 15.3 9.8 14.6#





#48

Methyl methacrylate

Concen: 0.907 ug/l

RT: 7.604 min Scan# 1100

Delta R.T. -0.091 min

Lab File: VX042274.D

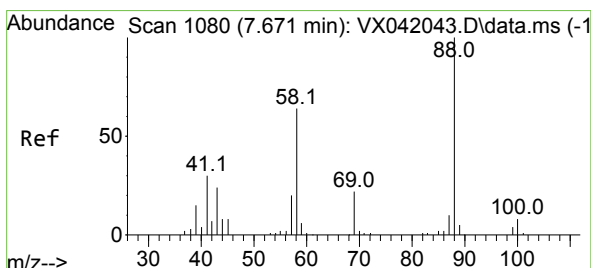
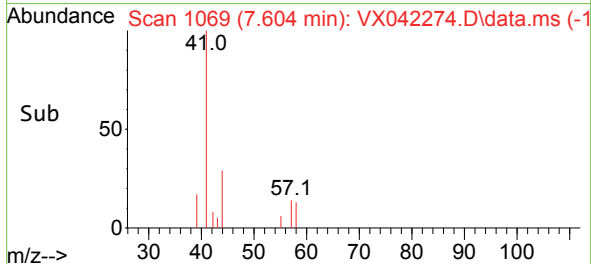
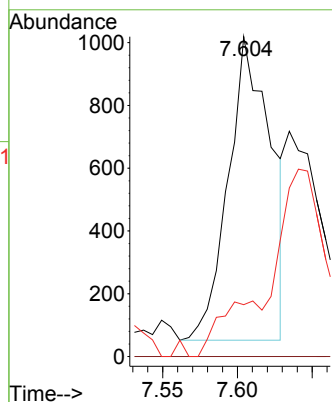
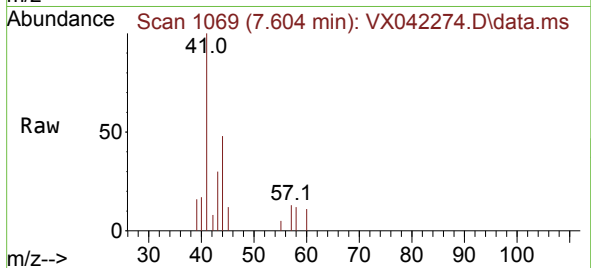
Acq: 10 Jul 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	41	Resp:	1912
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: 21.162 ug/l

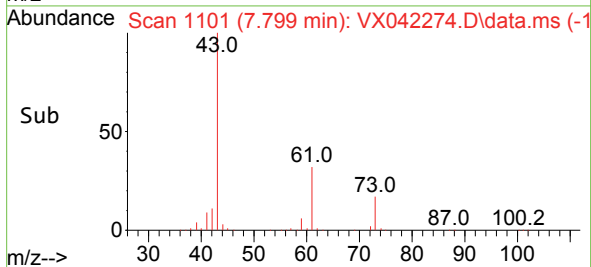
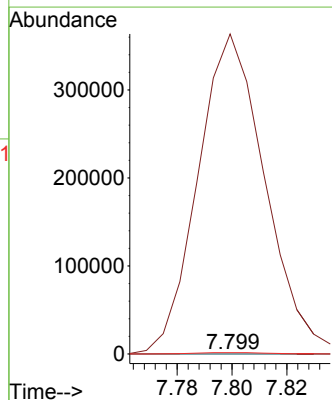
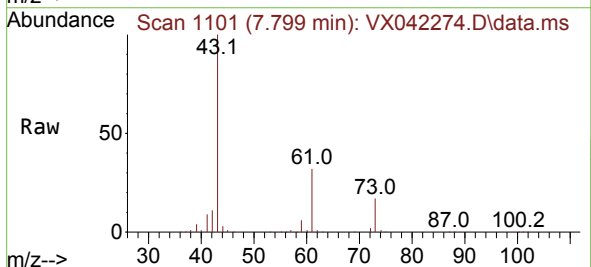
RT: 7.799 min Scan# 1101

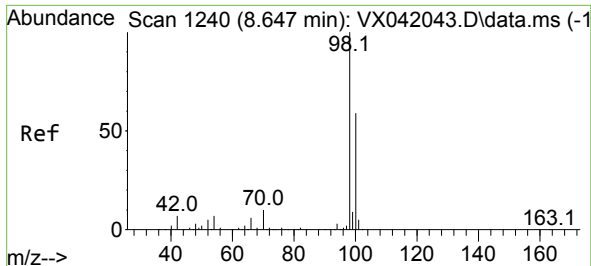
Delta R.T. 0.134 min

Lab File: VX042274.D

Acq: 10 Jul 2024 17:54

Tgt Ion:	88	Resp:	70
Ion	Ratio	Lower	Upper
88	100		
43	903252.9	0.0	0.0#
58	4241.4	60.1	90.1#

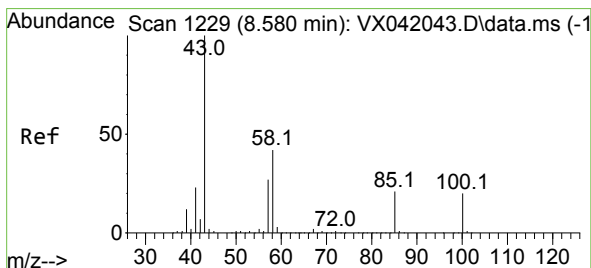
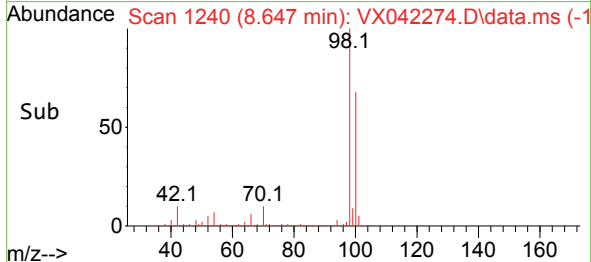
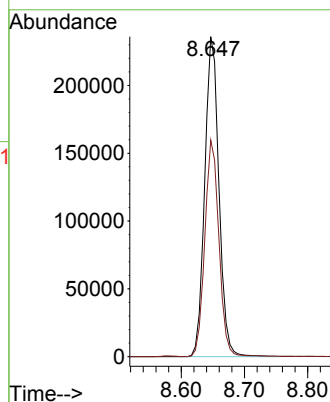
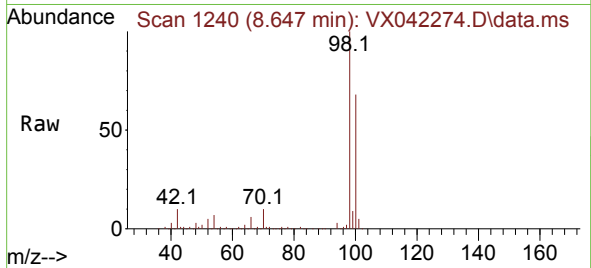




#50
Toluene-d8
Concen: 50.553 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

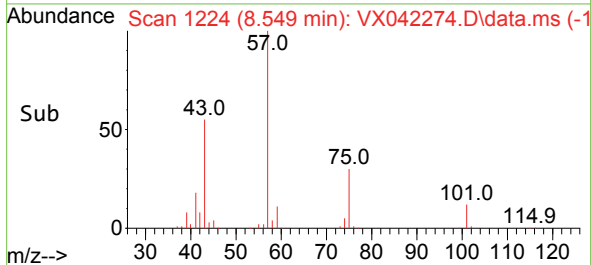
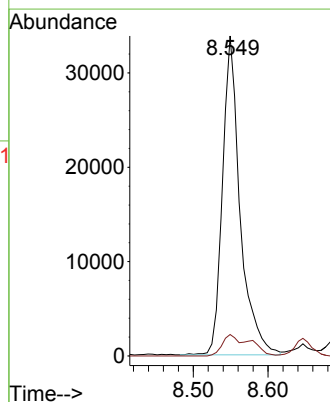
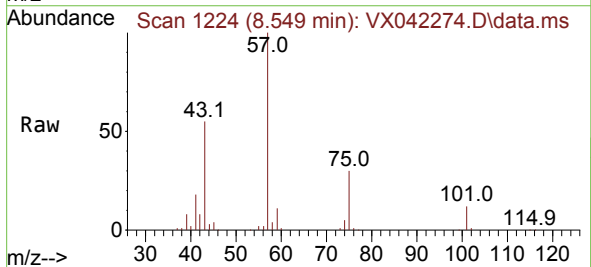
Instrument :
MSVOA_X
ClientSampleId :

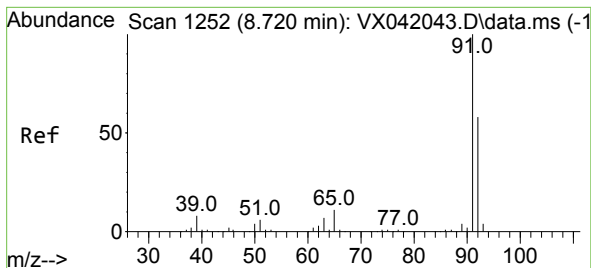
Tgt Ion: 98 Resp: 369392
Ion Ratio Lower Upper
98 100
100 67.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 18.230 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Tgt Ion: 43 Resp: 55457
Ion Ratio Lower Upper
43 100
58 6.9 30.4 45.6#





#52

Toluene

Concen: 0.208 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX042274.D

Acq: 10 Jul 2024 17:54

Instrument :

MSVOA_X

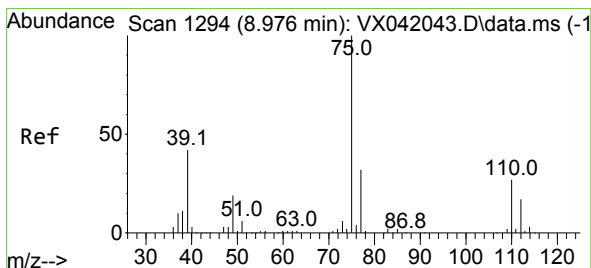
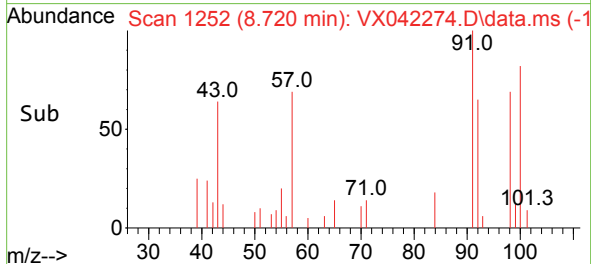
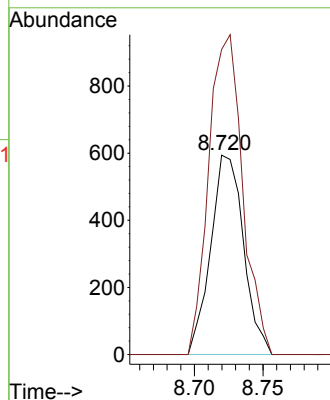
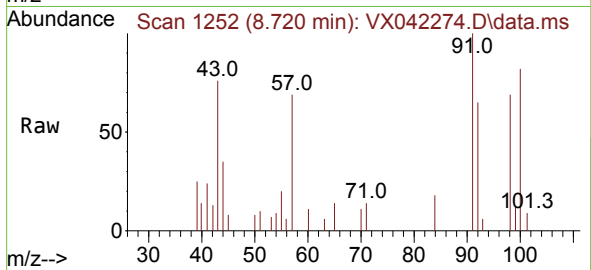
ClientSampleId :

Tgt Ion: 92 Resp: 989

Ion Ratio Lower Upper

92 100

91 165.7 134.2 201.2



#53

t-1,3-Dichloropropene

Concen: 1.026 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.030 min

Lab File: VX042274.D

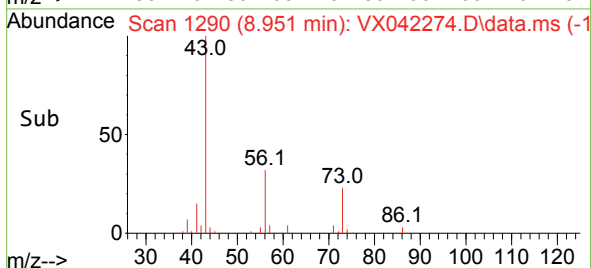
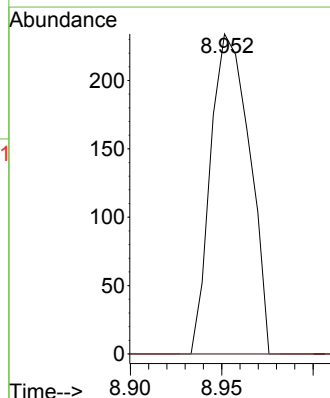
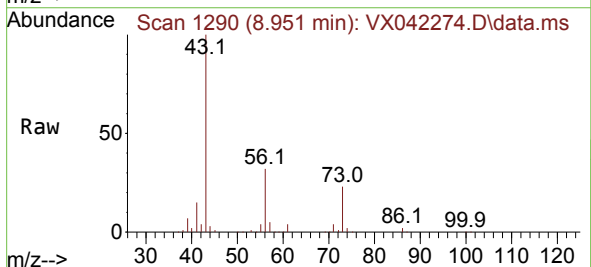
Acq: 10 Jul 2024 17:54

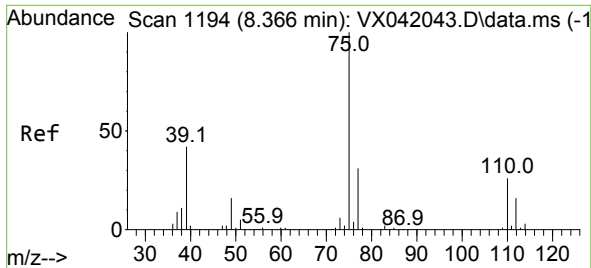
Tgt Ion: 75 Resp: 347

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

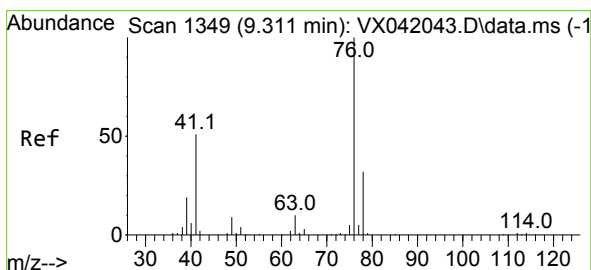
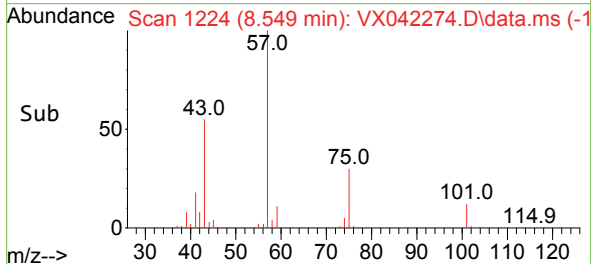
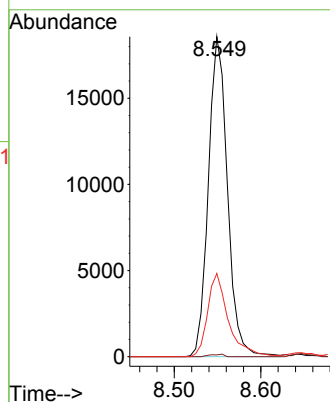
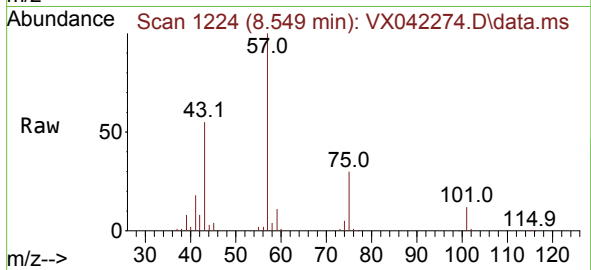




#54
 cis-1,3-Dichloropropene
 Concen: 10.597 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX042274.D
 Acq: 10 Jul 2024 17:54

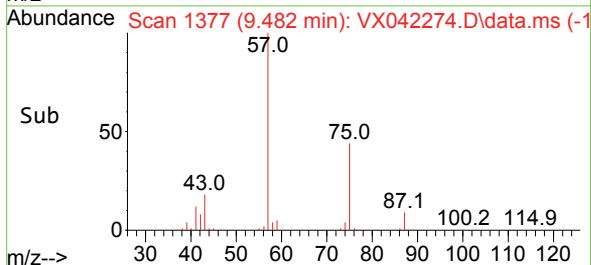
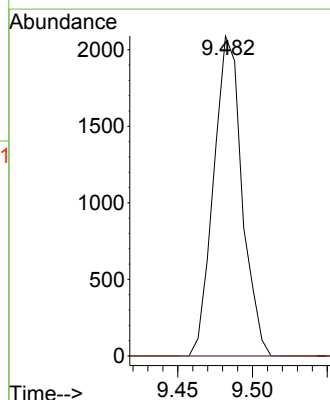
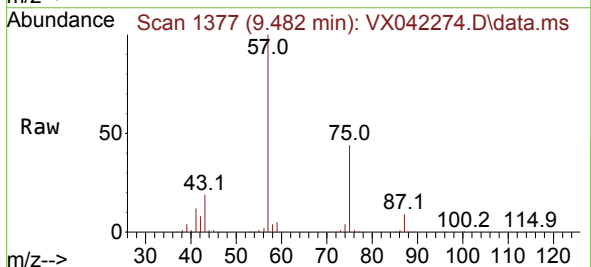
Instrument :
 MSVOA_X
 ClientSampleId :

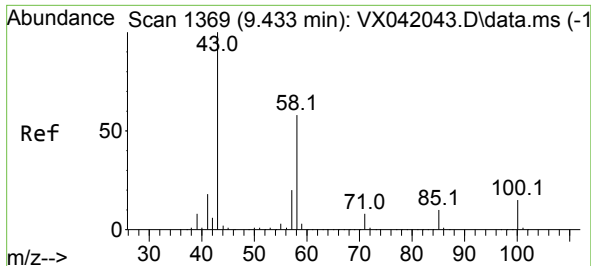
Tgt Ion: 75 Resp: 28428
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 26.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 0.865 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX042274.D
 Acq: 10 Jul 2024 17:54

Tgt Ion: 76 Resp: 2763
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 1.758 ug/l

RT: 9.439 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX042274.D

Acq: 10 Jul 2024 17:54

Instrument :

MSVOA_X

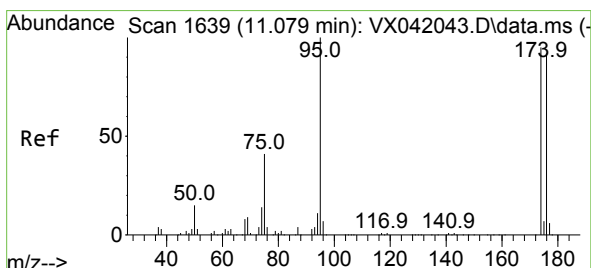
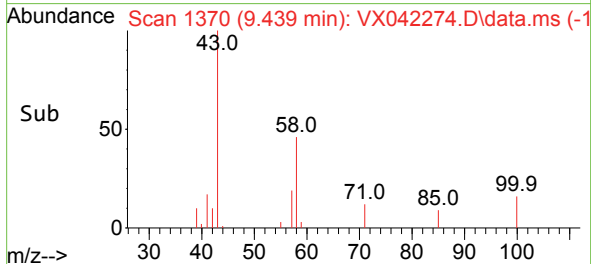
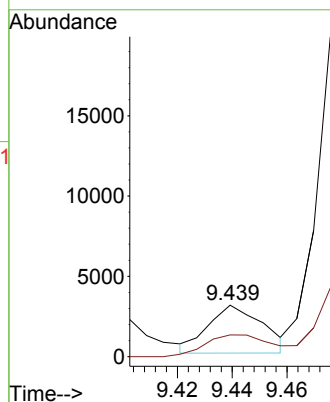
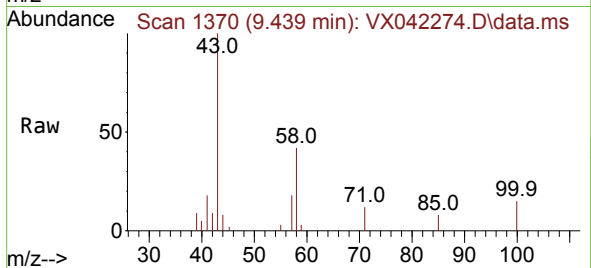
ClientSampleId :

Tgt Ion: 43 Resp: 4095

Ion Ratio Lower Upper

43 100

58 54.1 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 51.638 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX042274.D

Acq: 10 Jul 2024 17:54

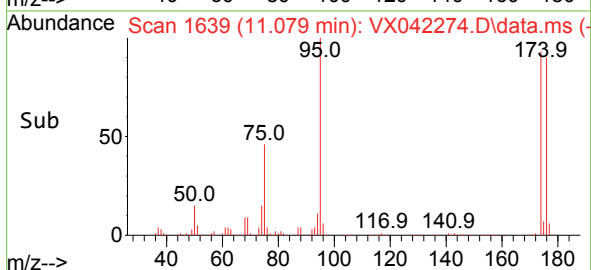
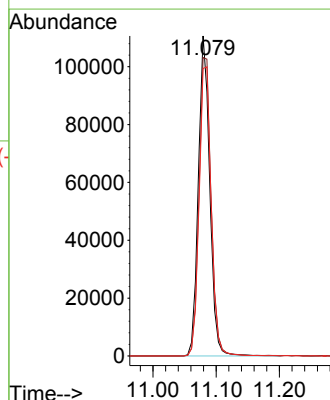
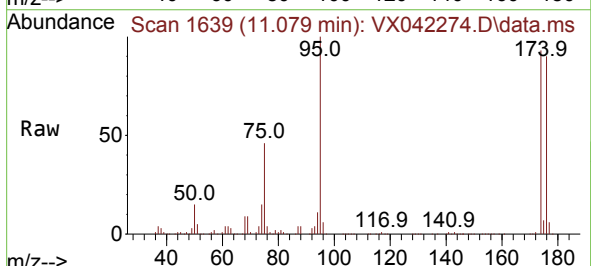
Tgt Ion: 95 Resp: 139088

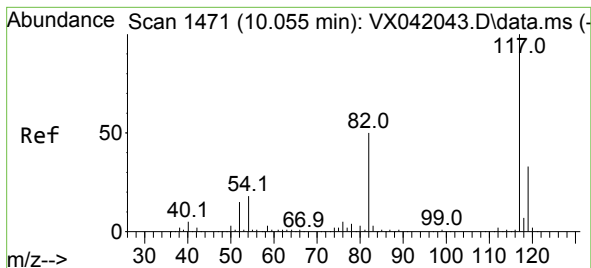
Ion Ratio Lower Upper

95 100

174 99.2 0.0 135.6

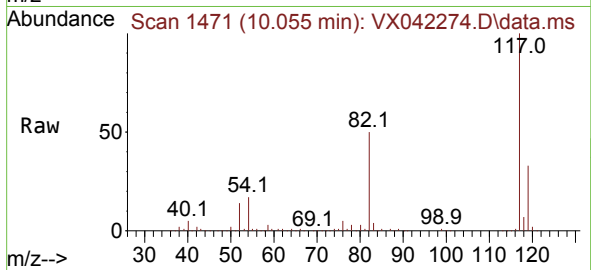
176 96.0 0.0 131.0



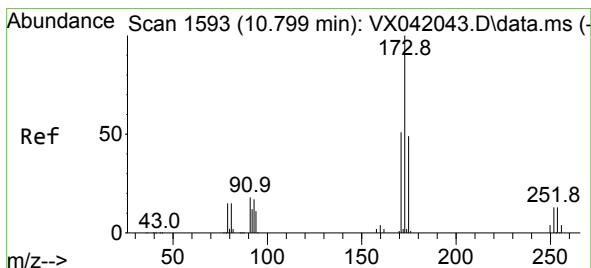
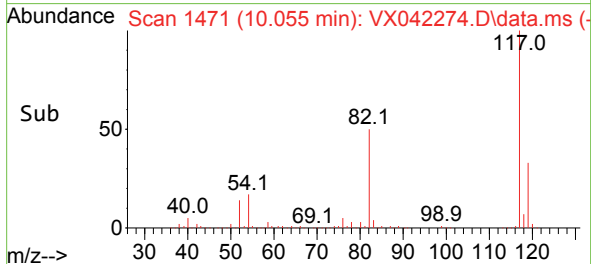
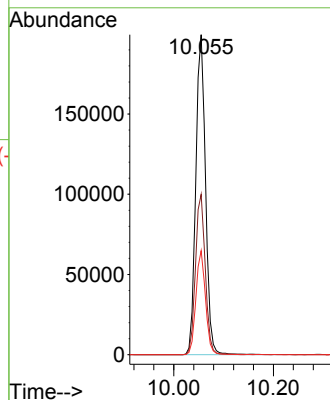


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :

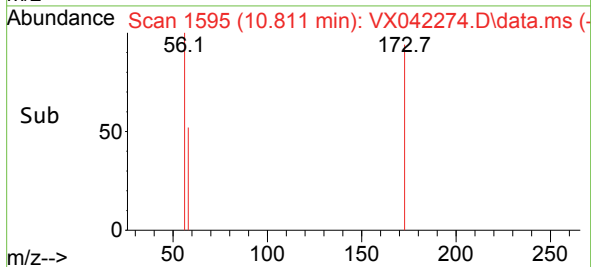
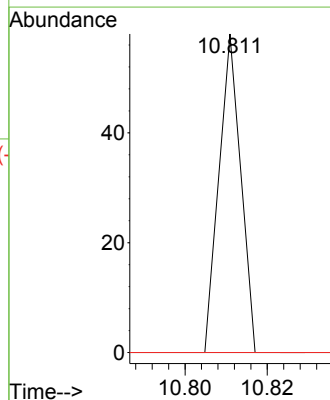
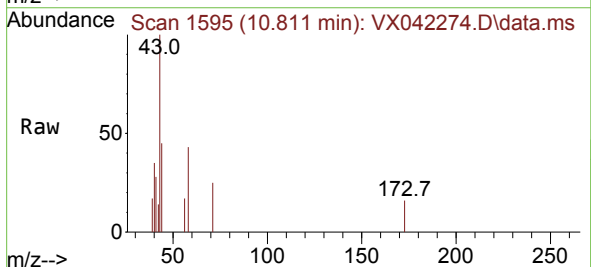


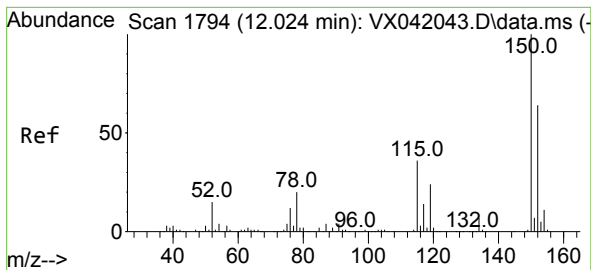
Tgt Ion:117 Resp: 270457
Ion Ratio Lower Upper
117 100
82 50.1 46.2 69.4
119 32.5 25.5 38.3



#71
Bromoform
Concen: 0.887 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. 0.012 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Tgt Ion:173 Resp: 21
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

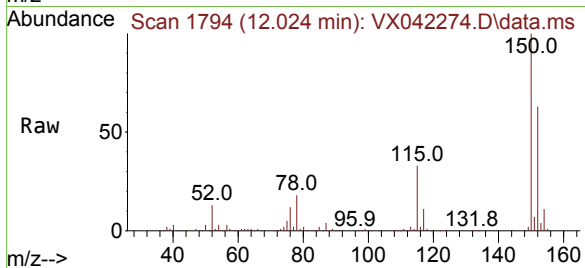
Lab File: VX042274.D

Acq: 10 Jul 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :



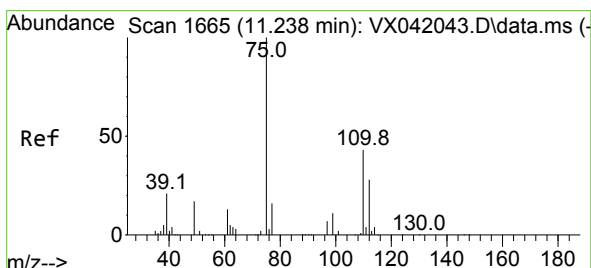
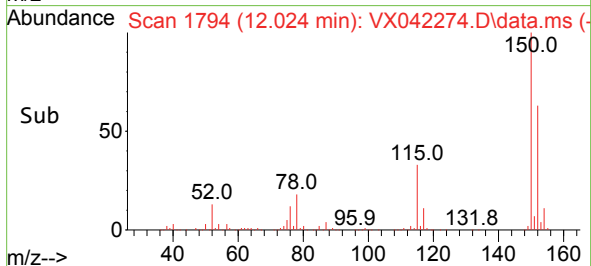
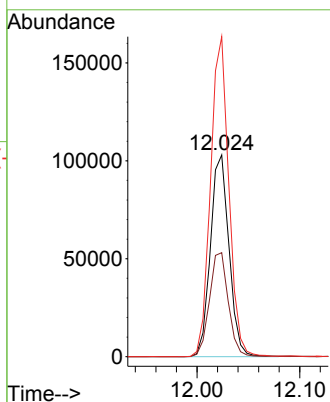
Tgt Ion:152 Resp: 129446

Ion Ratio Lower Upper

152 100

115 52.5 43.3 129.9

150 155.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.731 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042274.D

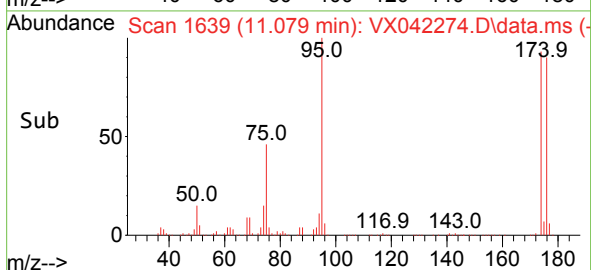
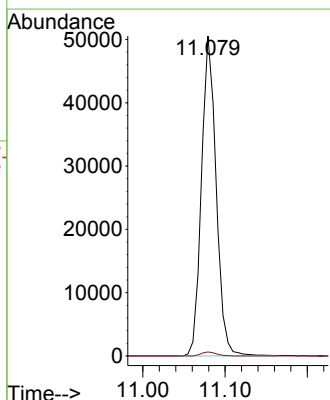
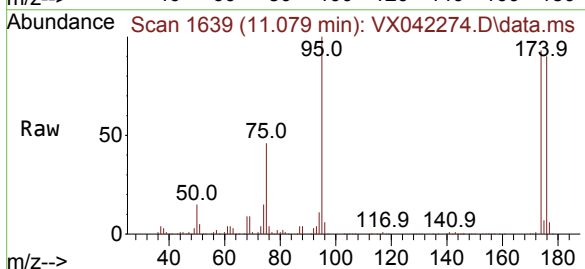
Acq: 10 Jul 2024 17:54

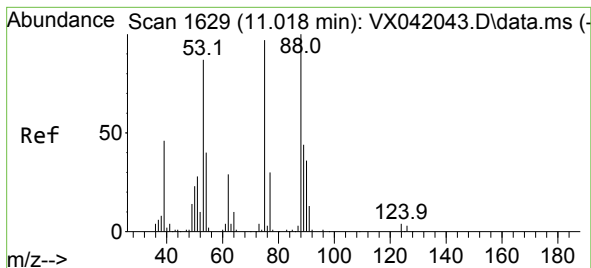
Tgt Ion: 75 Resp: 62818

Ion Ratio Lower Upper

75 100

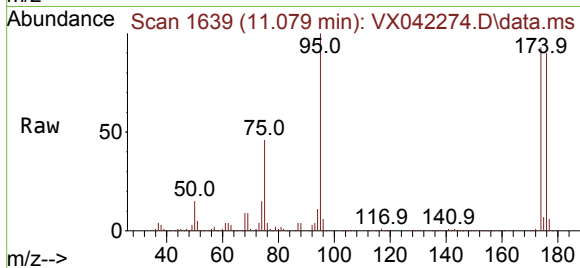
77 1.3 19.1 57.5#



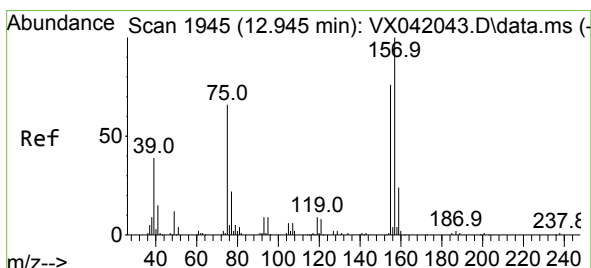
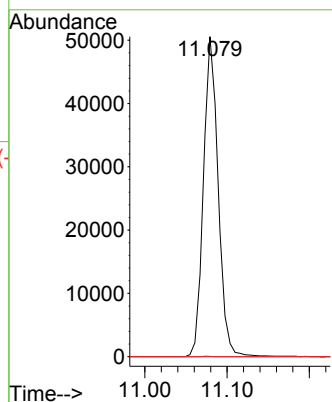
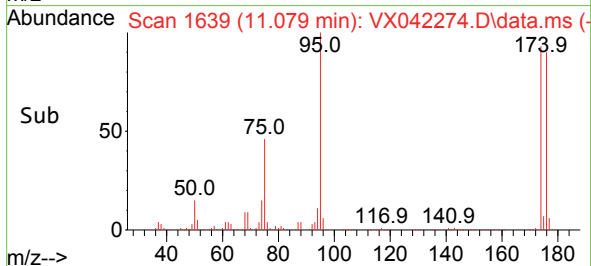


#81
trans-1,4-Dichloro-2-butene
Concen: 75.915 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :

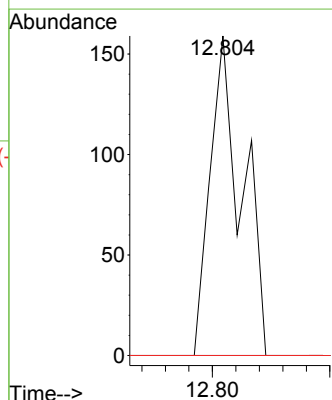
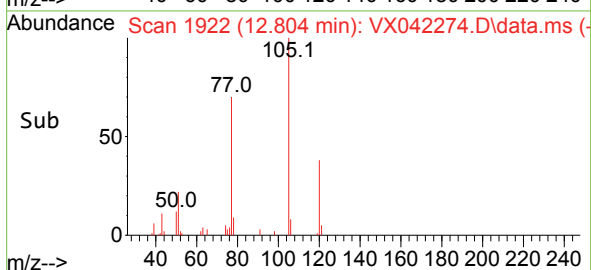
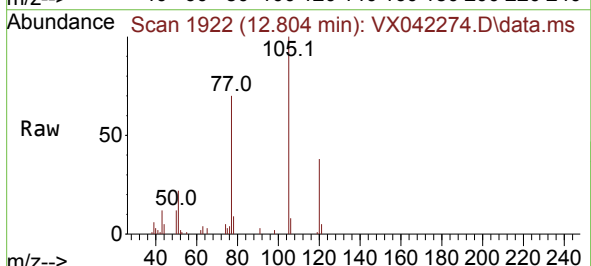


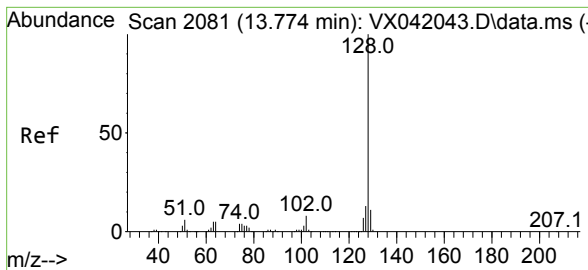
Tgt Ion: 75 Resp: 62818
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.259 ug/l
RT: 12.804 min Scan# 1922
Delta R.T. -0.140 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

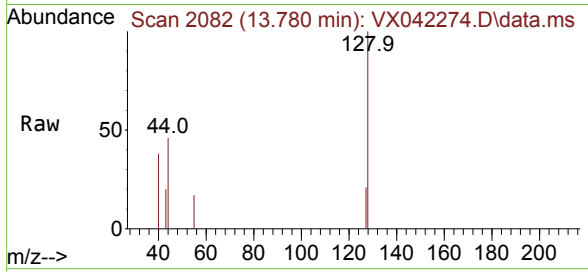
Tgt Ion: 75 Resp: 150
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#





#95
Naphthalene
Concen: 0.834 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042274.D
Acq: 10 Jul 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	812
Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.3	15.5#
129	0.0	8.8	13.2#

