

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042260.D
 Acq On : 10 Jul 2024 12:26
 Operator : JC/MD
 Sample : PB161974ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:54:28 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)

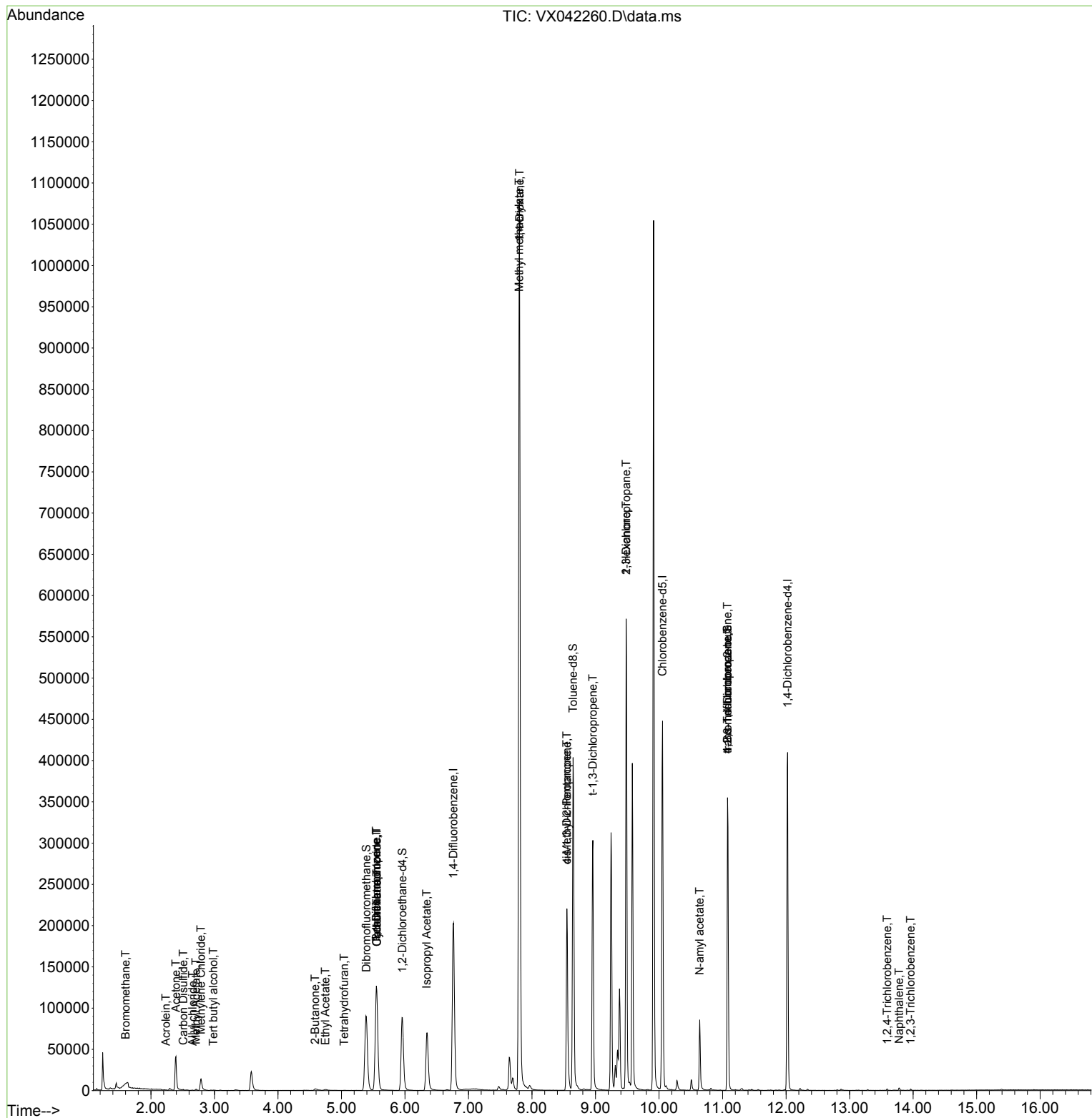
Internal Standards						
1) Pentafluorobenzene	5.550	168	139666	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	232617	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84714	52.600	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	105.200%	
35) Dibromofluoromethane	5.391	113	81796	49.557	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.120%	
50) Toluene-d8	8.647	98	249144	42.967	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	85.940%#	
62) 4-Bromofluorobenzene	11.079	95	93947	43.953	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	87.900%	
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	359	0.543	ug/l	# 71
6) Chloroethane	1.672	64	472	Below Cal		# 43
11) Tert butyl alcohol	2.983	59	673	2.202	ug/l	# 78
13) Acrolein	2.233	56	199	0.581	ug/l	88
14) Allyl chloride	2.654	41	383	0.200	ug/l	# 40
16) Acetone	2.392	43	47706	67.459	ug/l	# 89
17) Carbon Disulfide	2.508	76	665	0.271	ug/l	# 76
18) Methyl Acetate	2.709	43	1978	1.025	ug/l	99
20) Methylene Chloride	2.788	84	8250	5.328	ug/l	88
25) 2-Butanone	4.586	43	5116	4.650	ug/l	100
29) Tetrahydrofuran	5.044	42	174	0.245	ug/l	# 34
31) Cyclohexane	5.556	56	1942	1.031	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	8213	4.686	ug/l	# 51
37) Ethyl Acetate	4.745	43	2059	0.902	ug/l	# 91
38) Carbon Tetrachloride	5.556	117	12026	6.210	ug/l	# 15
43) Isopropyl Acetate	6.342	43	99901	28.506	ug/l	# 94
48) Methyl methacrylate	7.799	41	88512	52.921	ug/l	# 45
49) 1,4-Dioxane	7.805	88	105	22.257	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	75507	31.278	ug/l	# 48
53) t-1,3-Dichloropropene	8.958	75	867	1.316	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	38115	17.905	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	5045	1.991	ug/l	# 42
59) 2-Hexanone	9.482	43	66347	35.883	ug/l	# 56
74) N-amyl acetate	10.640	43	19750	7.421	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	43016	24.046	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43016	68.288	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	561	0.267	ug/l	82
95) Naphthalene	13.780	128	2497	1.096	ug/l	# 96
96) 1,2,3-Trichlorobenzene	13.963	180	710	0.320	ug/l	86

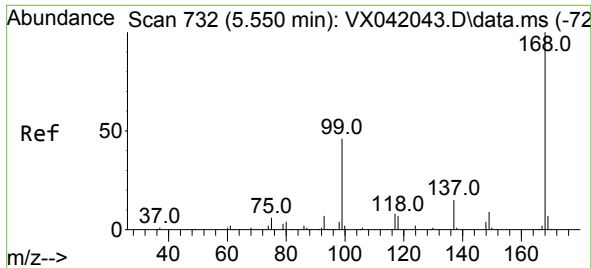
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
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Misc : 5.0mL/MSVOA_X/WATER
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MSVOA_X
ClientSampleId :

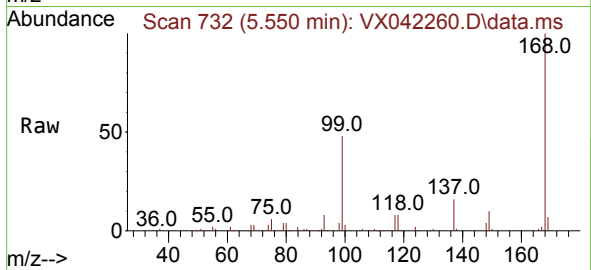
Quant Time: Jul 11 00:54:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



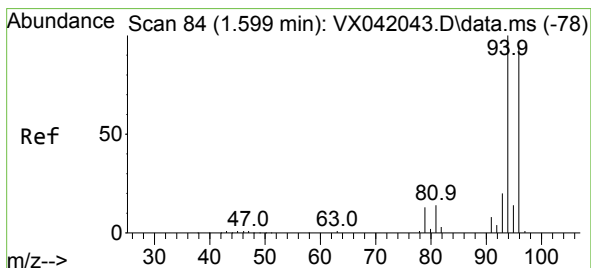
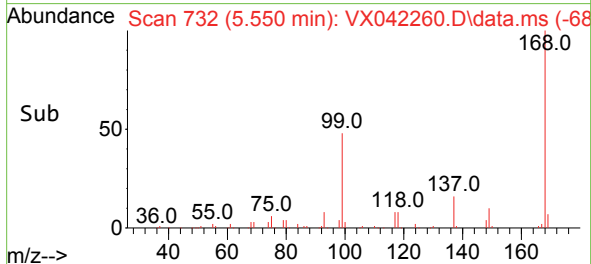
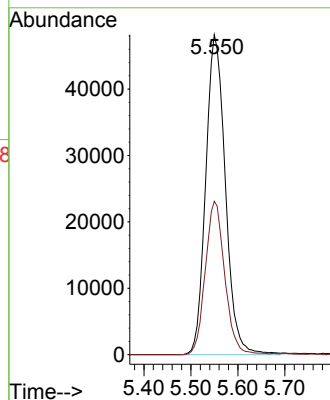


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :

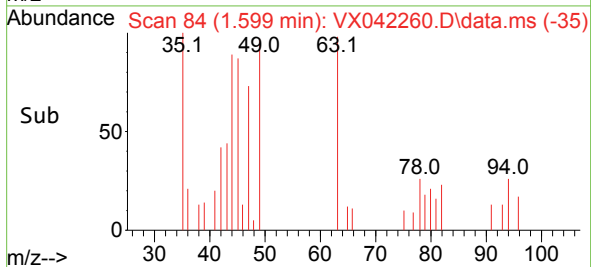
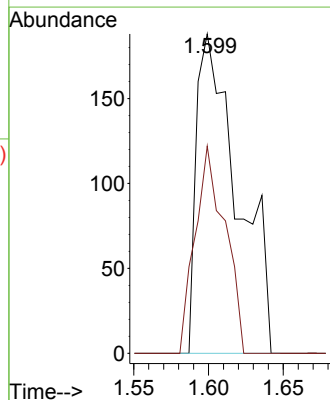
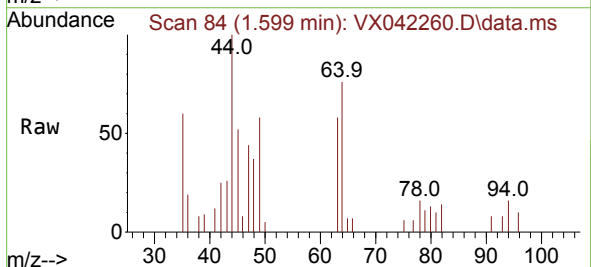


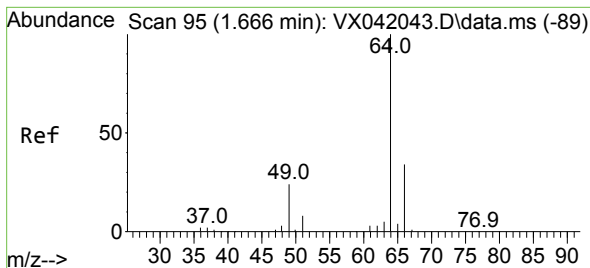
Tgt Ion:168 Resp: 139666
Ion Ratio Lower Upper
168 100
99 48.0 56.6 85.0#



#5
Bromomethane
Concen: 0.543 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 64.9 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.672 min Scan# 90

Delta R.T. 0.012 min

Lab File: VX042260.D

Acq: 10 Jul 2024 12:26

Instrument :

MSVOA_X

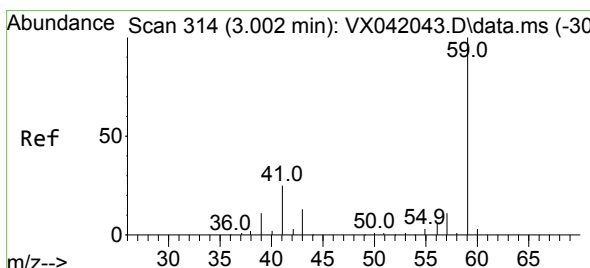
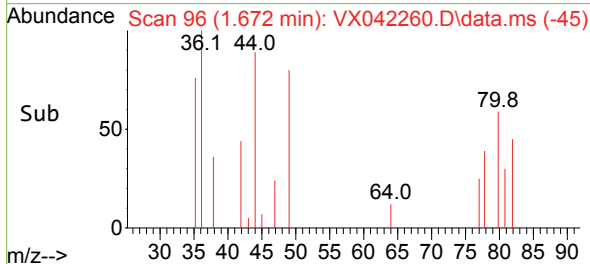
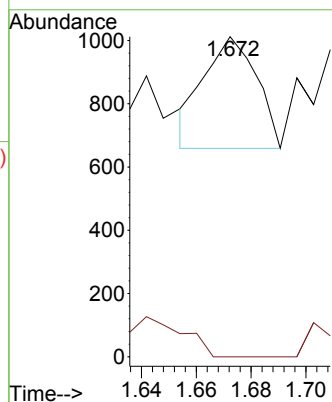
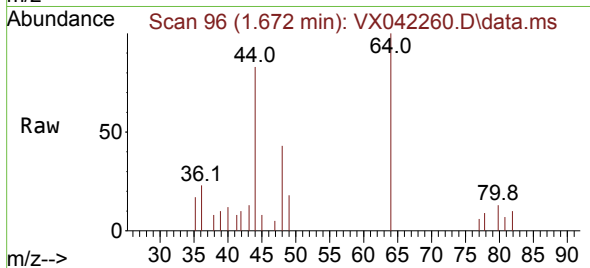
ClientSampleId :

Tgt Ion: 64 Resp: 472

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 2.202 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.024 min

Lab File: VX042260.D

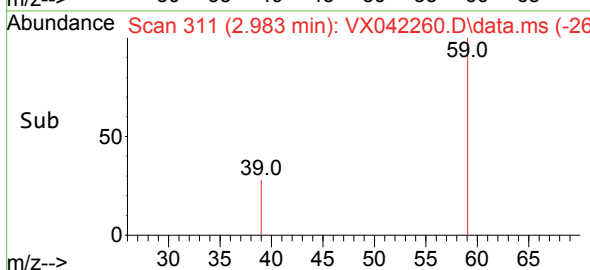
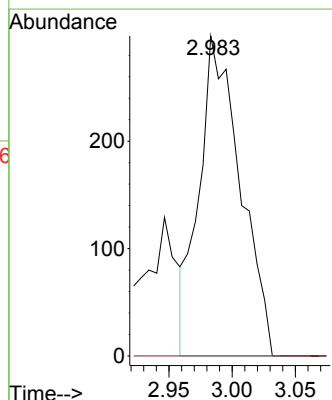
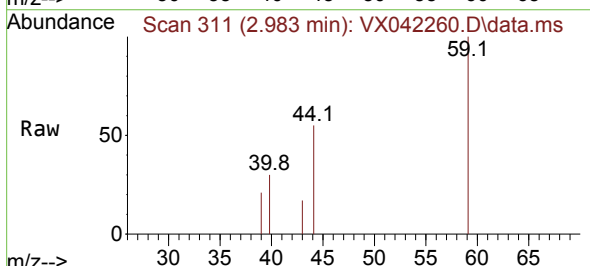
Acq: 10 Jul 2024 12:26

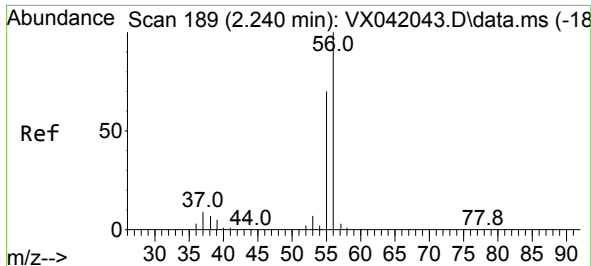
Tgt Ion: 59 Resp: 673

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.581 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX042260.D

Acq: 10 Jul 2024 12:26

Instrument :

MSVOA_X

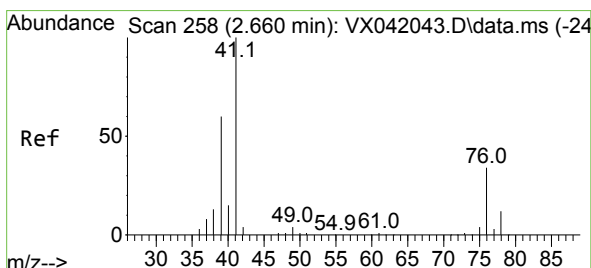
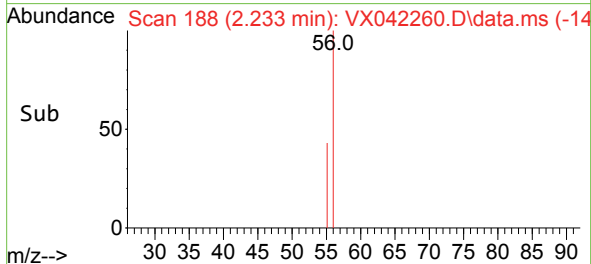
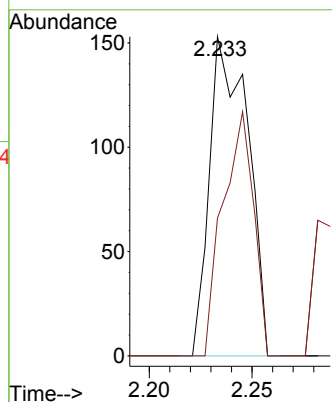
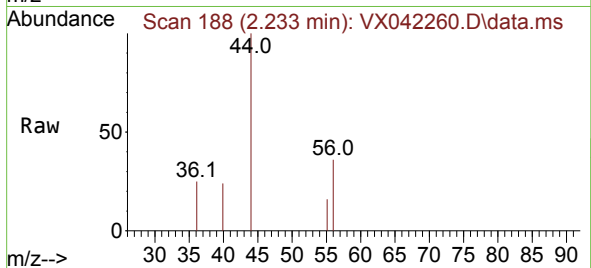
ClientSampleId :

Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

55 61.3 57.1 85.7



#14

Allyl chloride

Concen: 0.200 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX042260.D

Acq: 10 Jul 2024 12:26

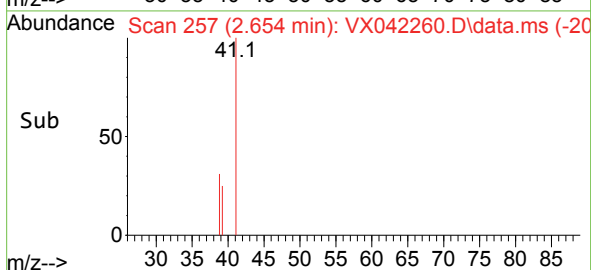
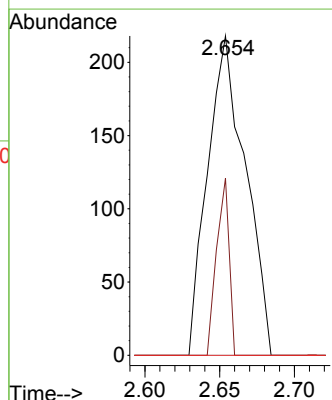
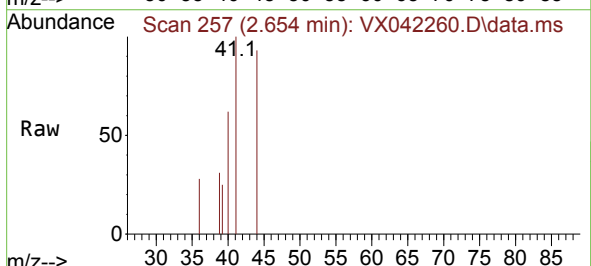
Tgt Ion: 41 Resp: 383

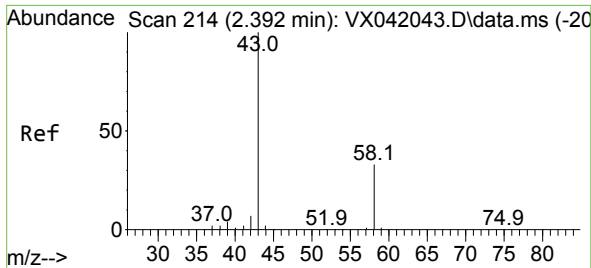
Ion Ratio Lower Upper

41 100

39 18.5 55.8 83.6#

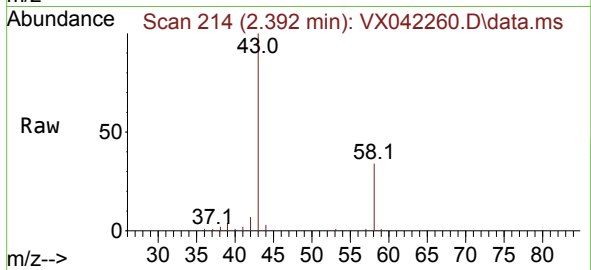
76 0.0 24.3 36.5#



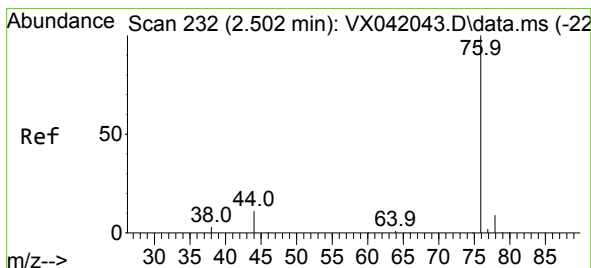
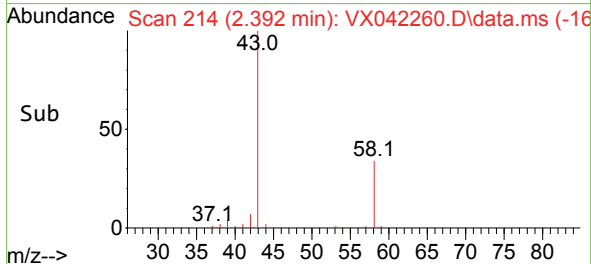
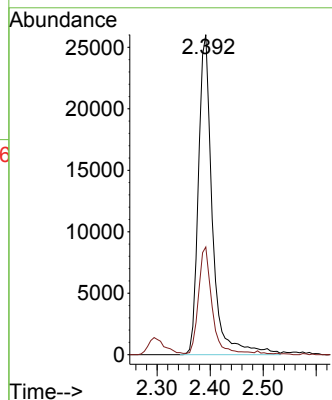


#16
 Acetone
 Concen: 67.459 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX042260.D
 Acq: 10 Jul 2024 12:26

Instrument :
 MSVOA_X
 ClientSampleId :

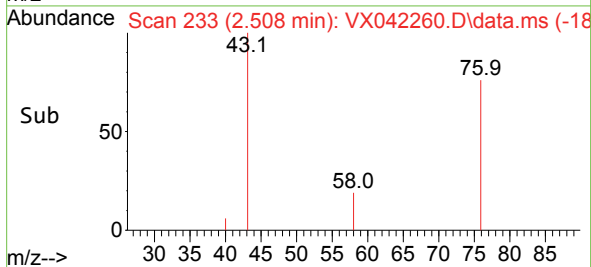
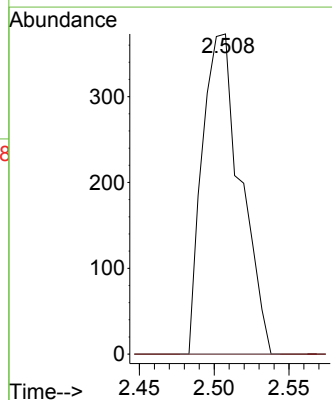
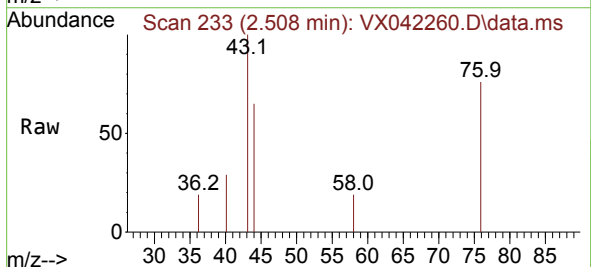


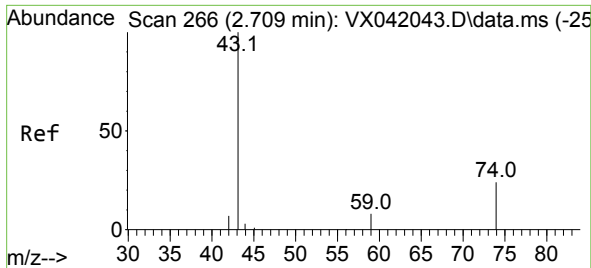
Tgt Ion: 43 Resp: 47706
 Ion Ratio Lower Upper
 43 100
 58 33.4 21.9 32.9#



#17
 Carbon Disulfide
 Concen: 0.271 ug/l
 RT: 2.508 min Scan# 233
 Delta R.T. 0.006 min
 Lab File: VX042260.D
 Acq: 10 Jul 2024 12:26

Tgt Ion: 76 Resp: 665
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.0 10.6#

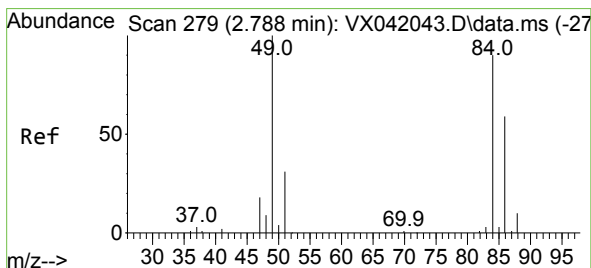
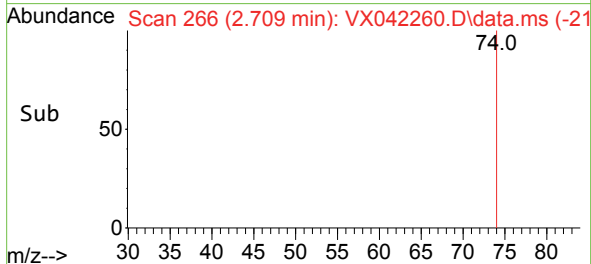
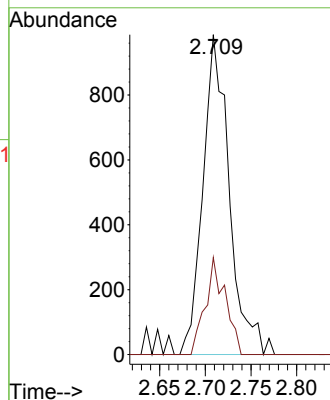
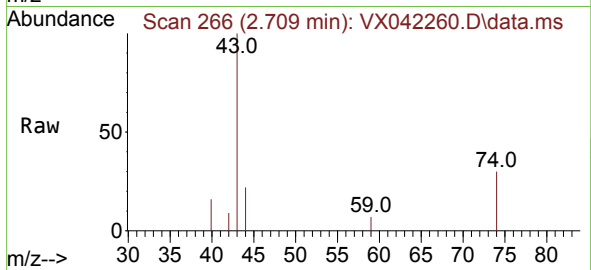




#18
Methyl Acetate
Concen: 1.025 ug/l
RT: 2.709 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

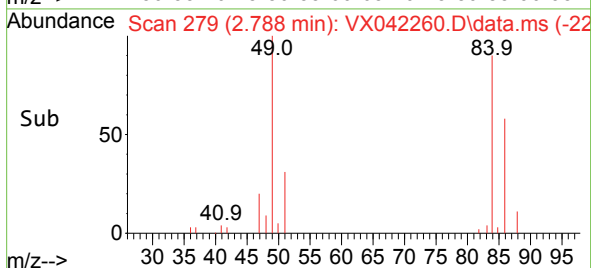
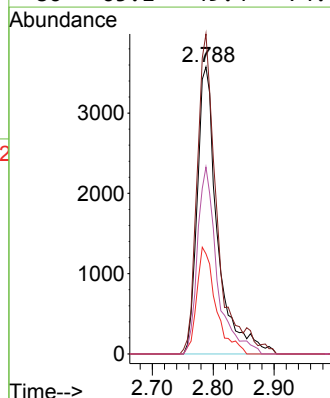
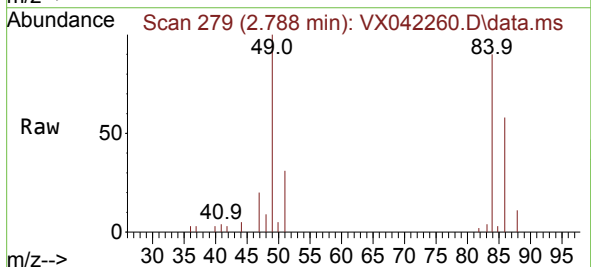
Instrument :
MSVOA_X
ClientSampleId :

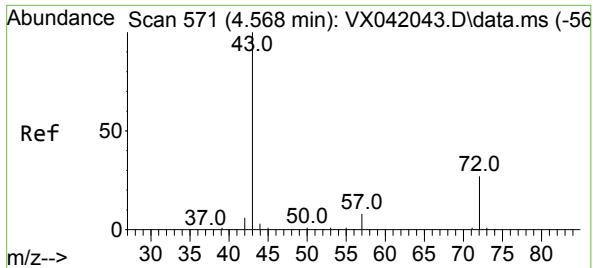
Tgt Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
74 23.0 17.8 26.8



#20
Methylene Chloride
Concen: 5.328 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Tgt Ion: 84 Resp: 8250
Ion Ratio Lower Upper
84 100
49 111.5 103.6 155.4
51 34.9 33.8 50.6
86 65.1 49.4 74.0

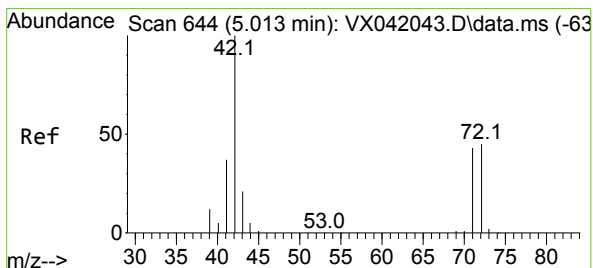
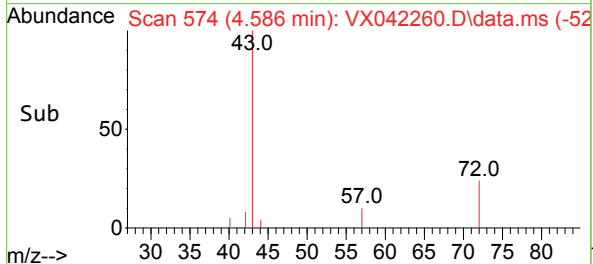
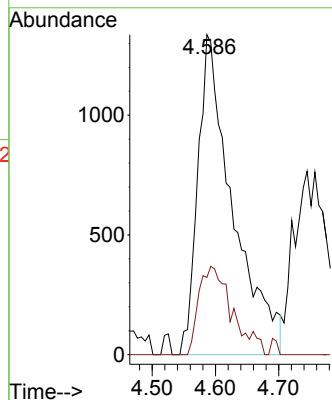
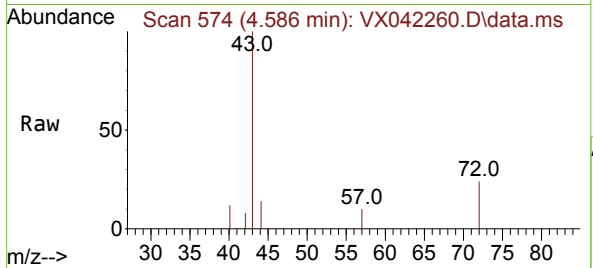




#25
2-Butanone
Concen: 4.650 ug/l
RT: 4.586 min Scan# 511
Delta R.T. 0.012 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

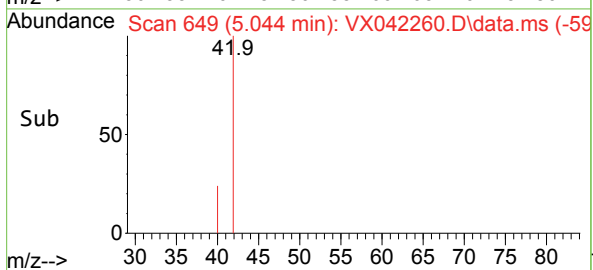
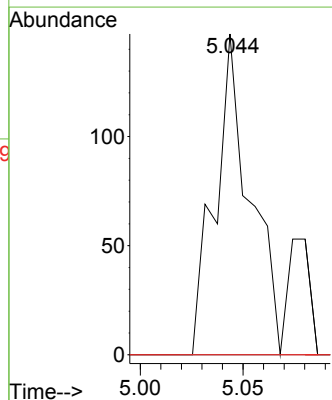
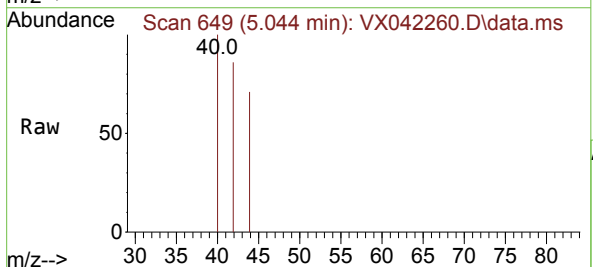
Instrument :
MSVOA_X
ClientSampleId :

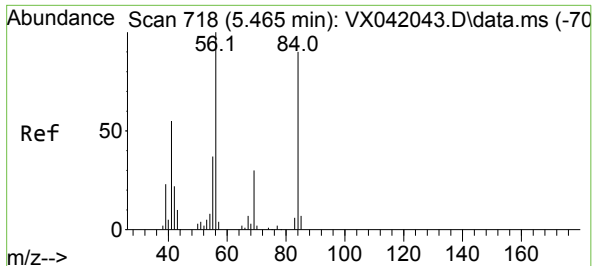
Tgt Ion: 43 Resp: 5116
Ion Ratio Lower Upper
43 100
72 24.2 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.245 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.024 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

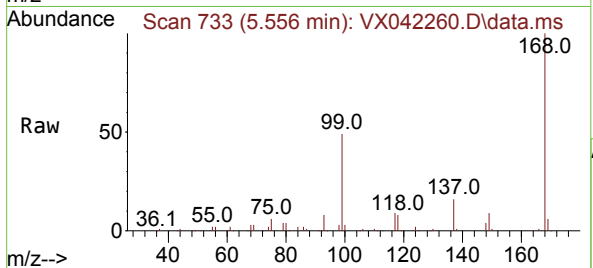
Tgt Ion: 42 Resp: 174
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



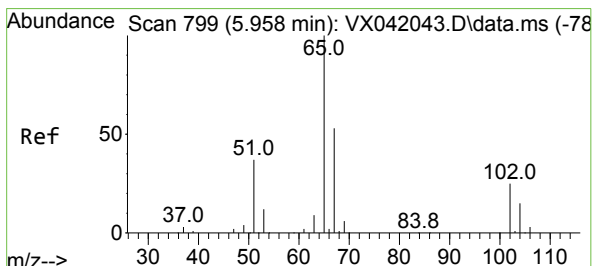
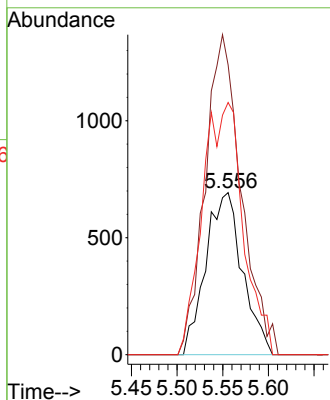
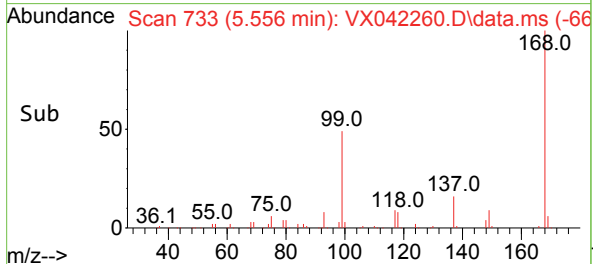


#31
Cyclohexane
Concen: 1.031 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :

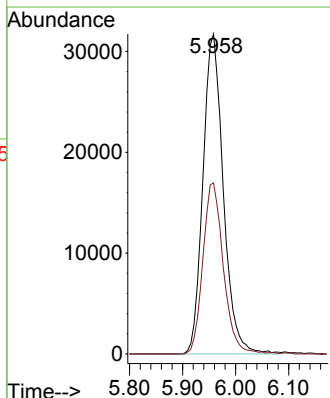
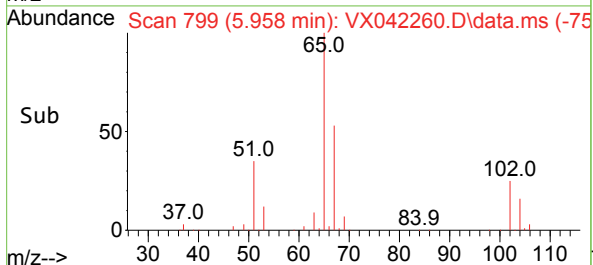
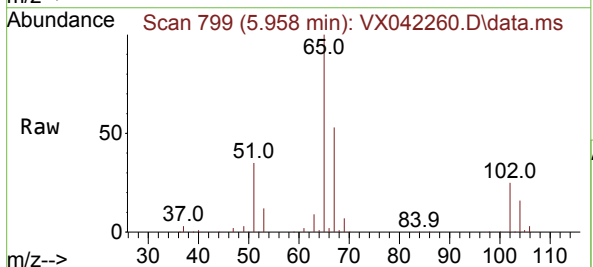


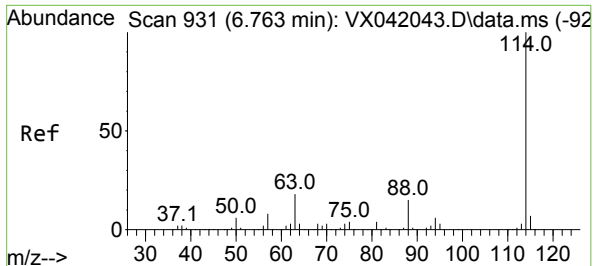
Tgt Ion: 56 Resp: 1942
Ion Ratio Lower Upper
56 100
69 178.8 23.4 35.2#
84 155.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 52.600 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

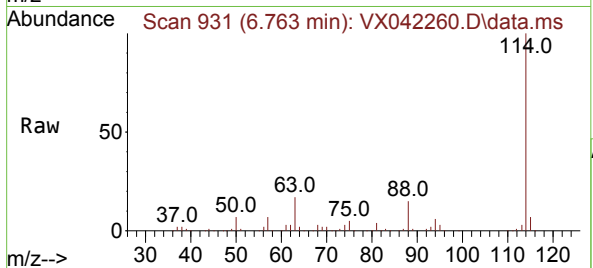
Tgt Ion: 65 Resp: 84714
Ion Ratio Lower Upper
65 100
67 53.7 0.0 100.2



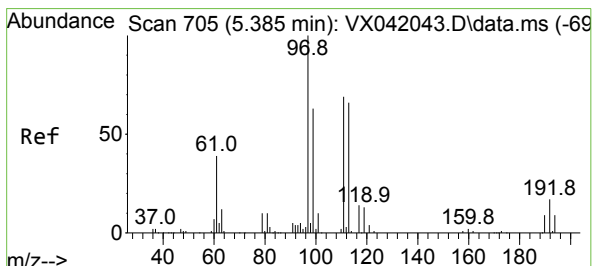
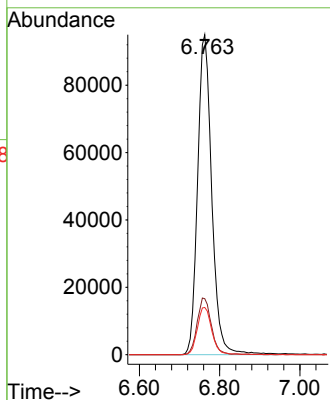
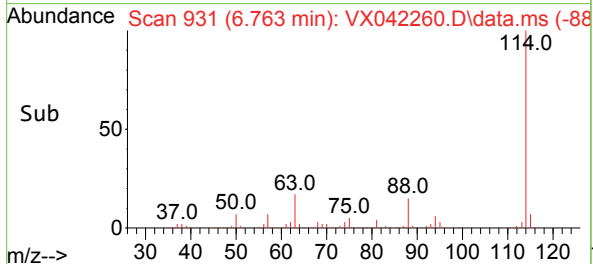


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :

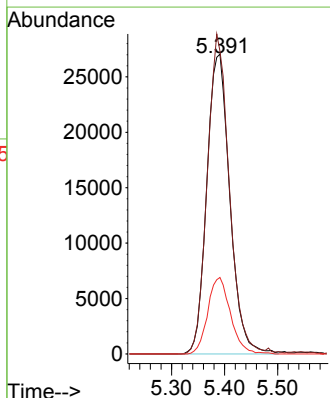
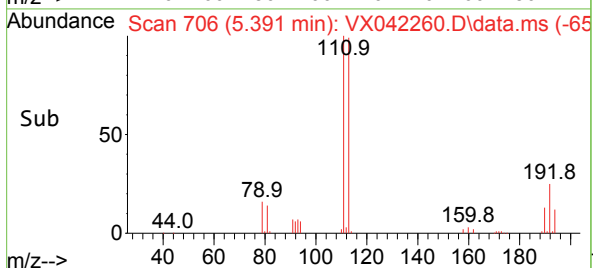
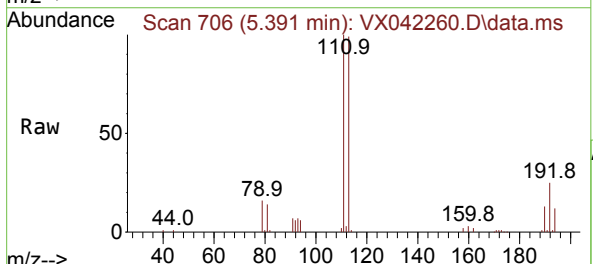


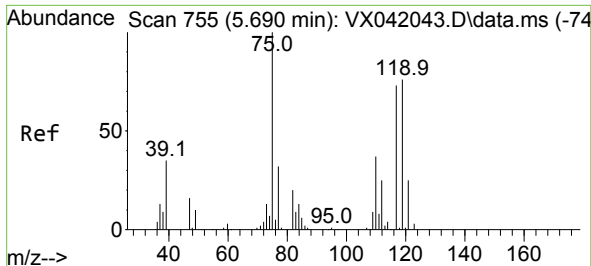
Tgt Ion:114 Resp: 232617
Ion Ratio Lower Upper
114 100
63 17.5 0.0 45.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.557 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

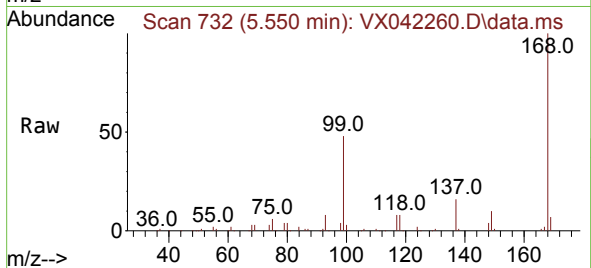
Tgt Ion:113 Resp: 81796
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 25.1 13.3 19.9#



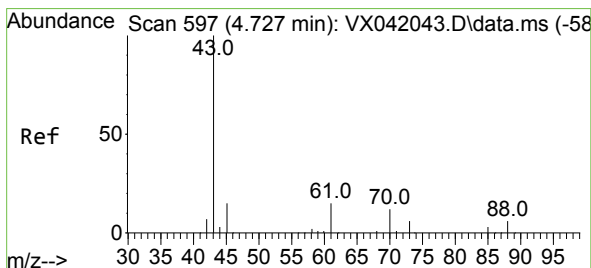
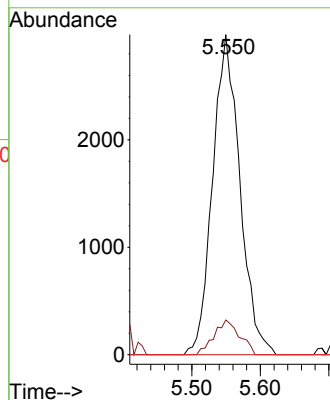
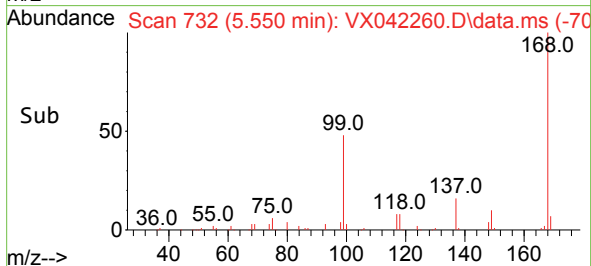


#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :

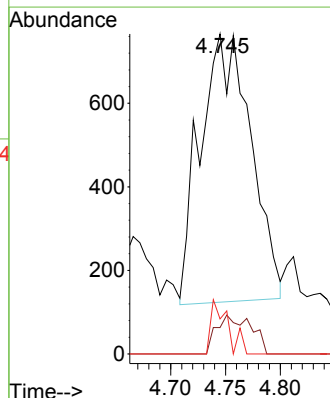
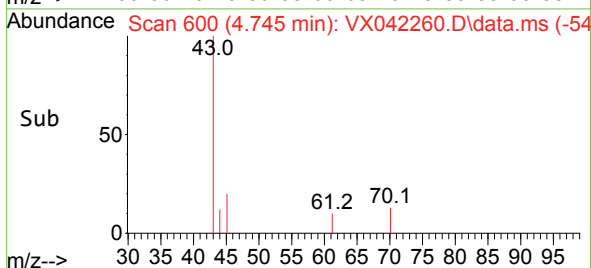
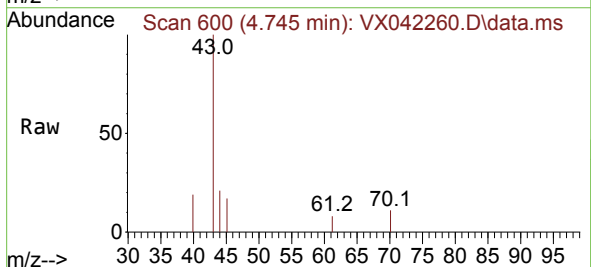


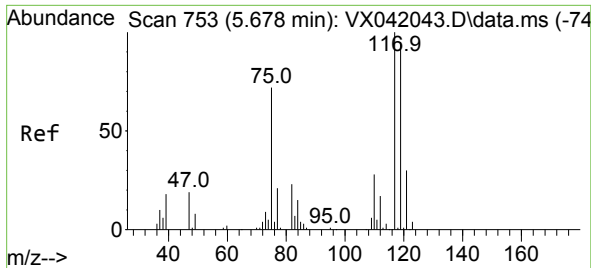
Tgt Ion: 75 Resp: 8213
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.902 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.018 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

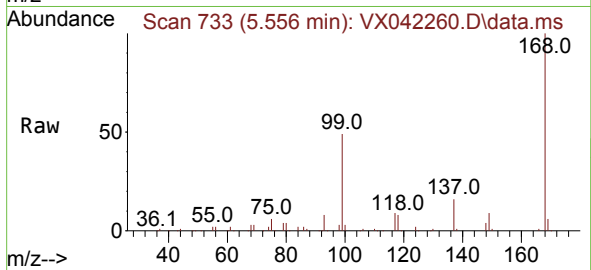
Tgt Ion: 43 Resp: 2059
Ion Ratio Lower Upper
43 100
61 9.9 10.6 16.0#
70 6.8 8.3 12.5#



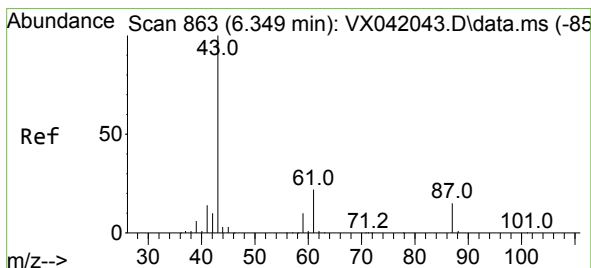
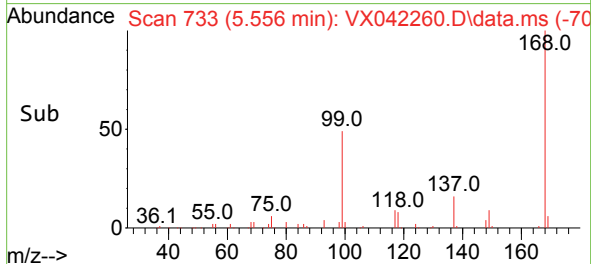
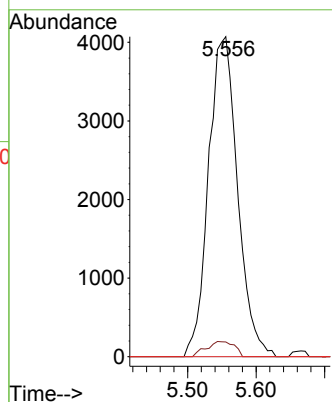


#38
Carbon Tetrachloride
Concen: 6.210 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :

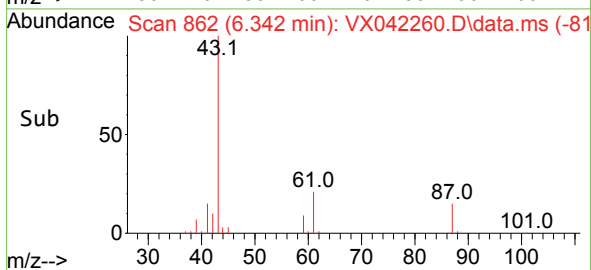
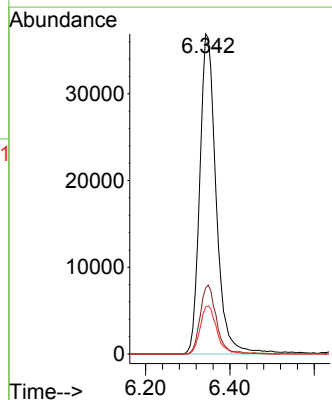
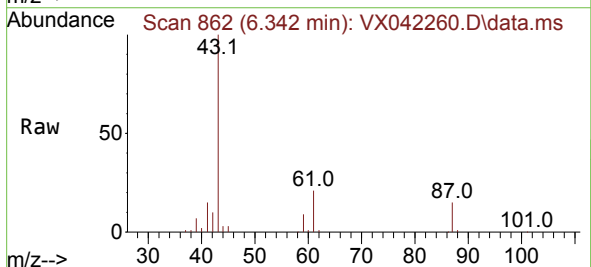


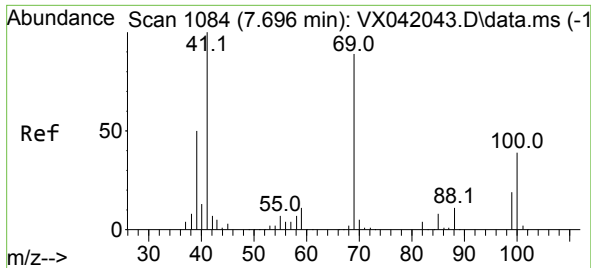
Tgt Ion:117 Resp: 12026
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 28.506 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Tgt Ion: 43 Resp: 99901
Ion Ratio Lower Upper
43 100
61 21.2 15.2 22.8
87 15.1 9.8 14.6#

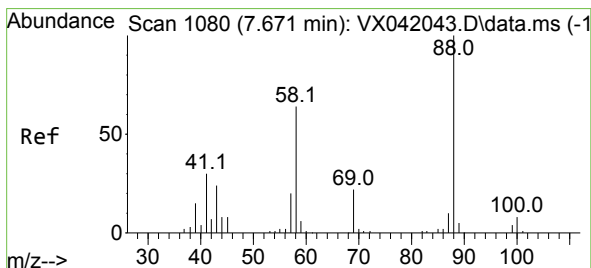
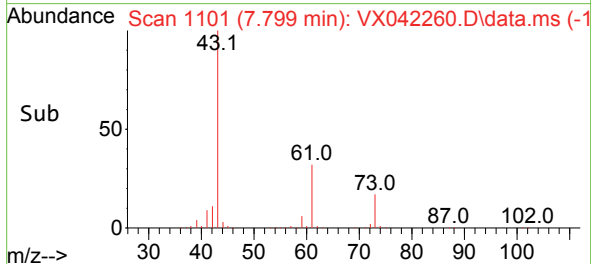
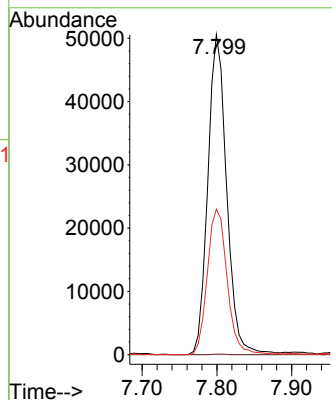
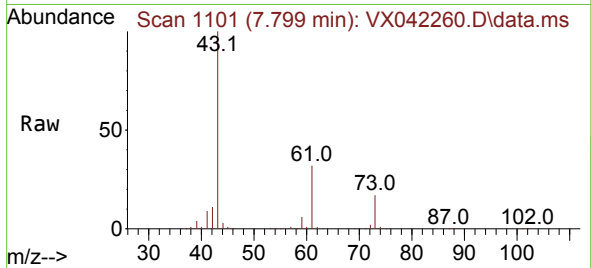




#48
Methyl methacrylate
Concen: 52.921 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

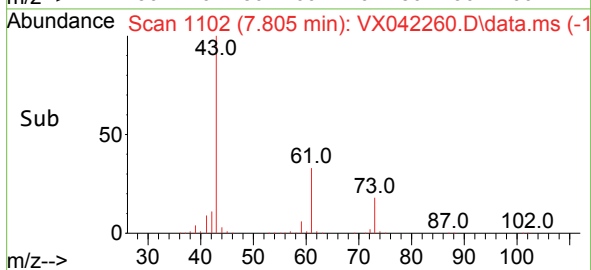
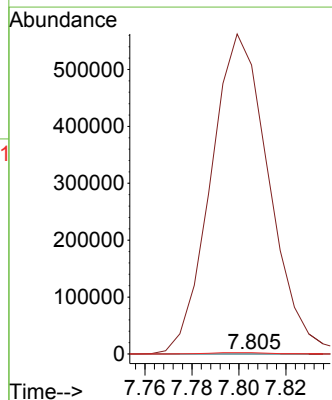
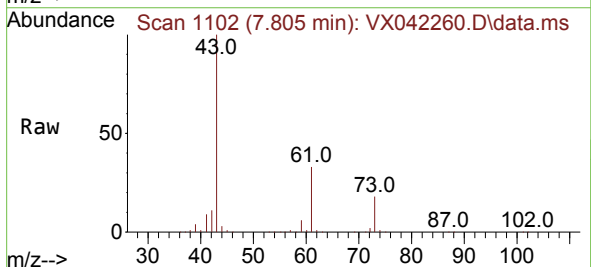
Instrument :
MSVOA_X
ClientSampleId :

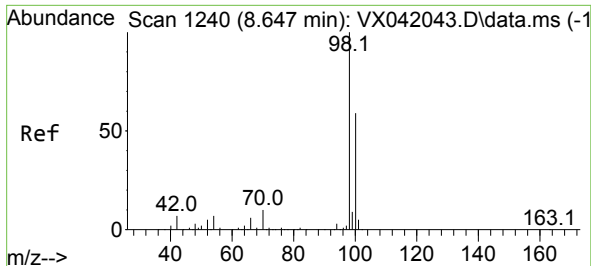
Tgt Ion: 41 Resp: 88512
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 47.9 47.7 71.5



#49
1,4-Dioxane
Concen: 22.257 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Tgt Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 942484.8 0.0 0.0#
58 4301.9 60.1 90.1#

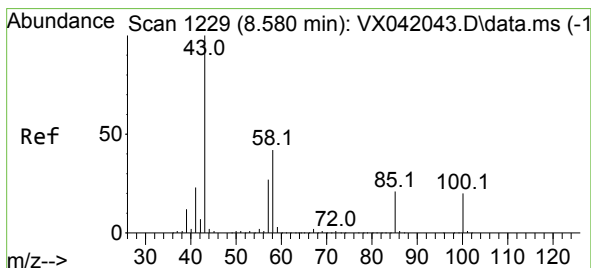
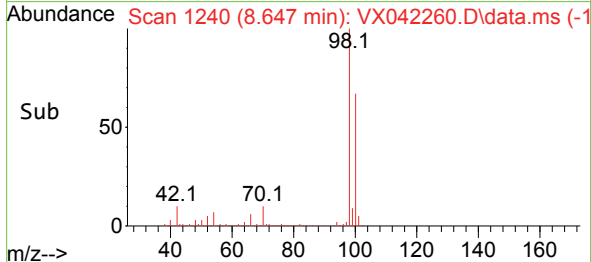
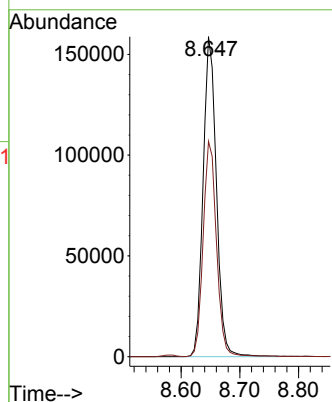
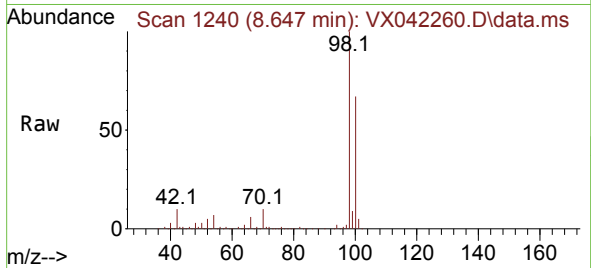




#50
Toluene-d8
Concen: 42.967 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

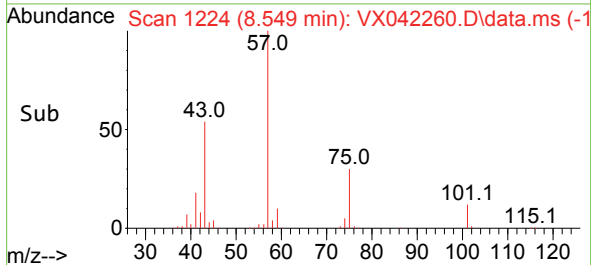
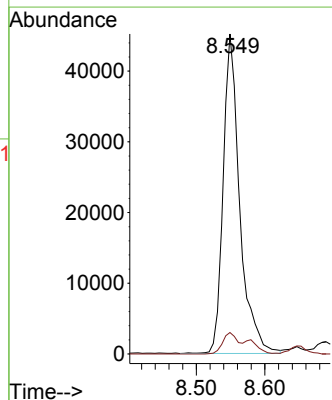
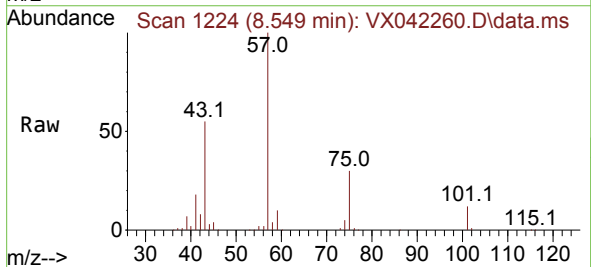
Instrument :
MSVOA_X
ClientSampleId :

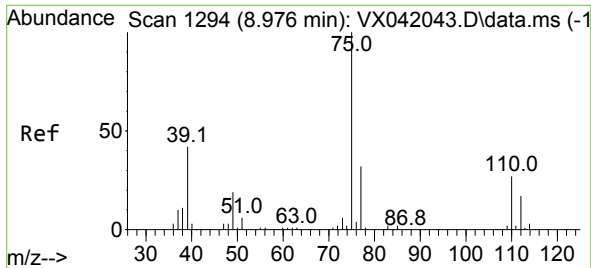
Tgt Ion: 98 Resp: 249144
Ion Ratio Lower Upper
98 100
100 67.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 31.278 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Tgt Ion: 43 Resp: 75507
Ion Ratio Lower Upper
43 100
58 6.4 30.4 45.6#

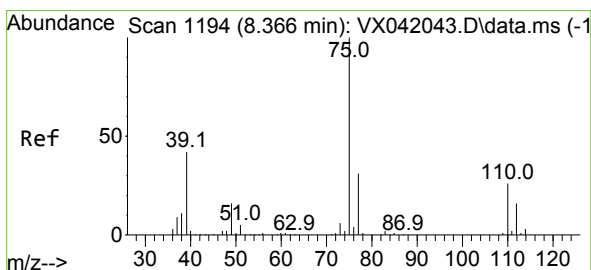
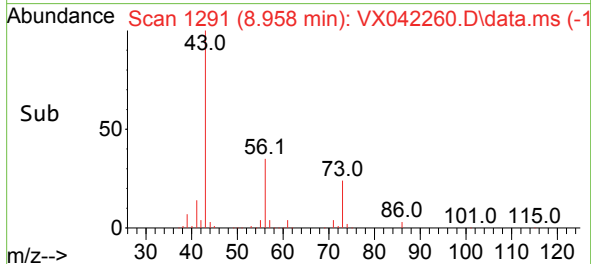
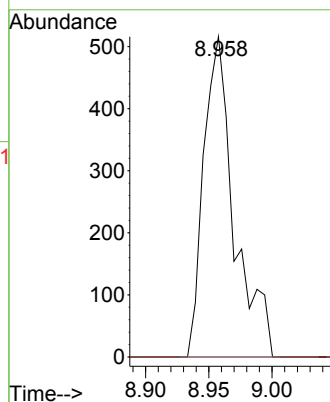
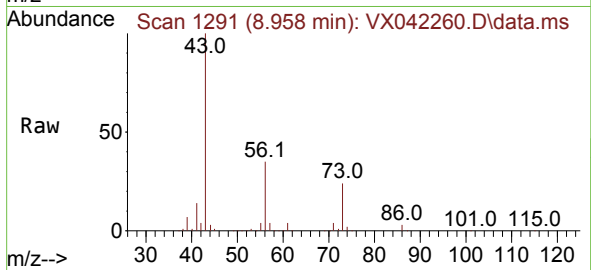




#53
 t-1,3-Dichloropropene
 Concen: 1.316 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX042260.D
 Acq: 10 Jul 2024 12:26

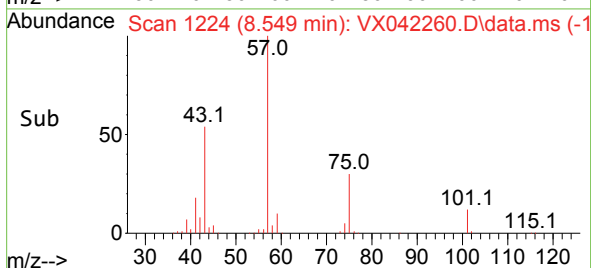
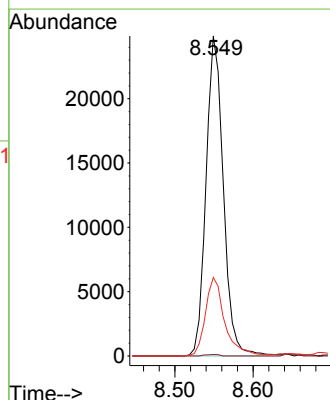
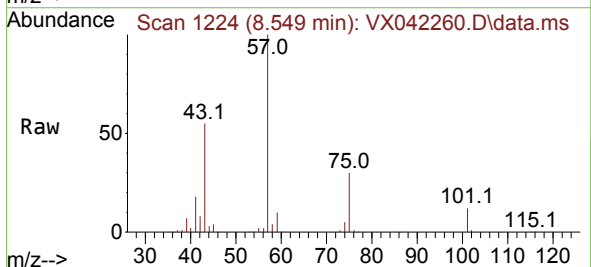
Instrument :
 MSVOA_X
 ClientSampleId :

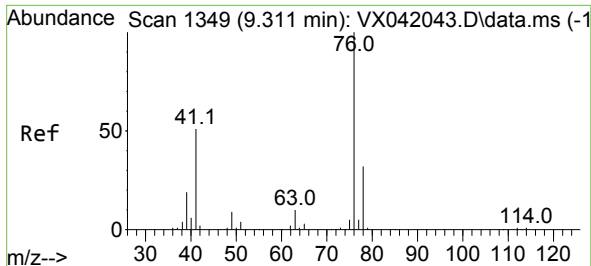
Tgt Ion: 75 Resp: 867
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 17.905 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042260.D
 Acq: 10 Jul 2024 12:26

Tgt Ion: 75 Resp: 38115
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 24.5 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.991 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042260.D

Acq: 10 Jul 2024 12:26

Instrument :

MSVOA_X

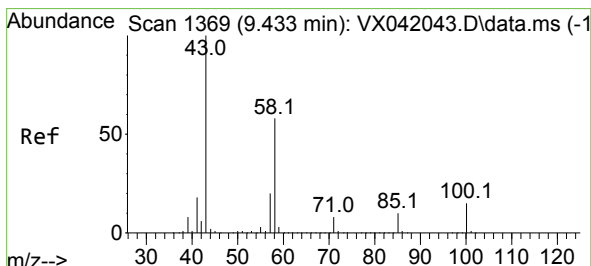
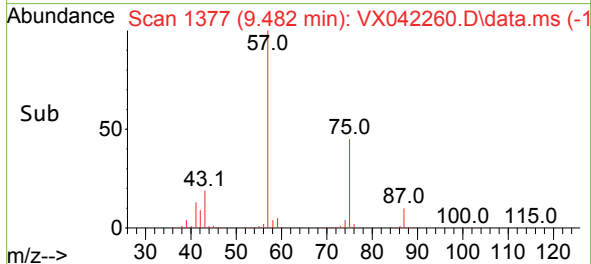
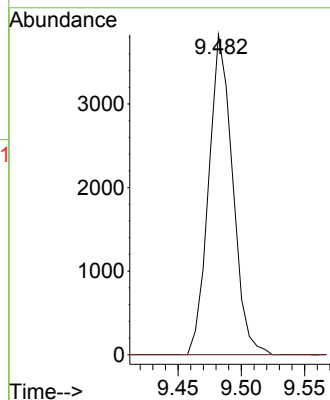
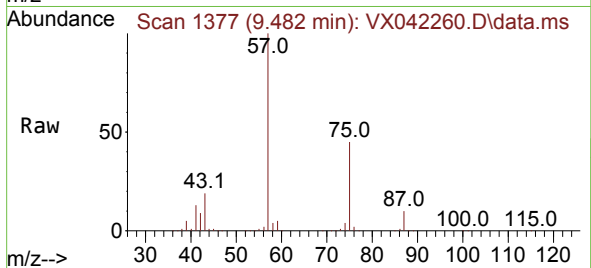
ClientSampleId :

Tgt Ion: 76 Resp: 5045

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 35.883 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042260.D

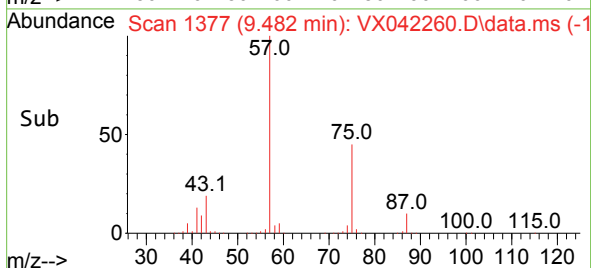
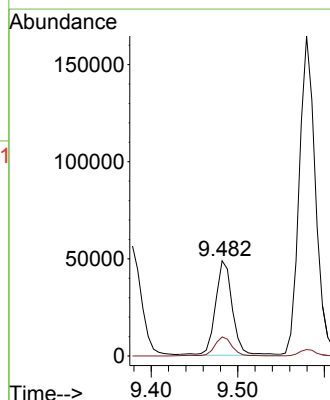
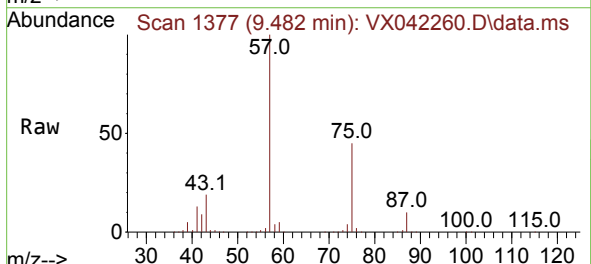
Acq: 10 Jul 2024 12:26

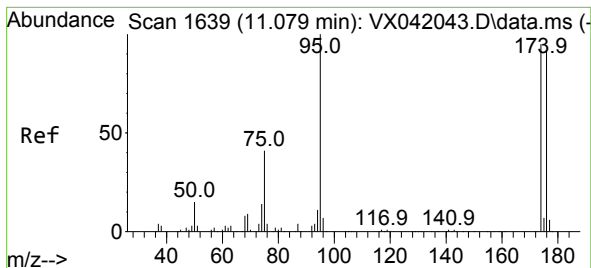
Tgt Ion: 43 Resp: 66347

Ion Ratio Lower Upper

43 100

58 21.3 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 43.953 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX042260.D

Acq: 10 Jul 2024 12:26

Instrument :

MSVOA_X

ClientSampleId :

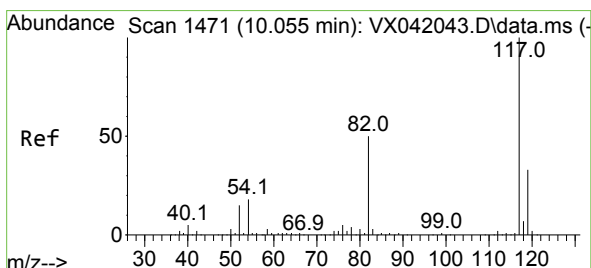
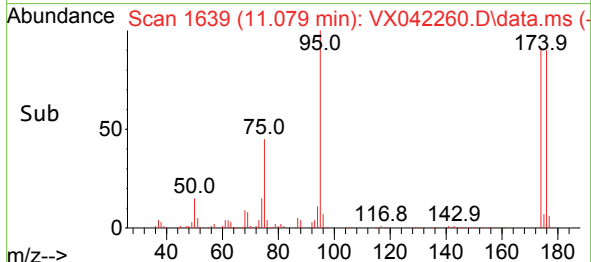
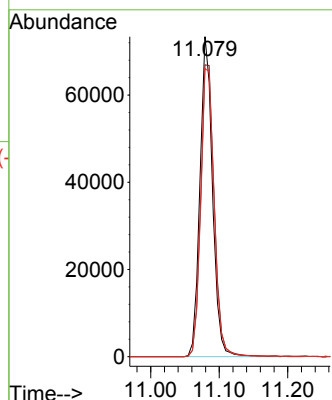
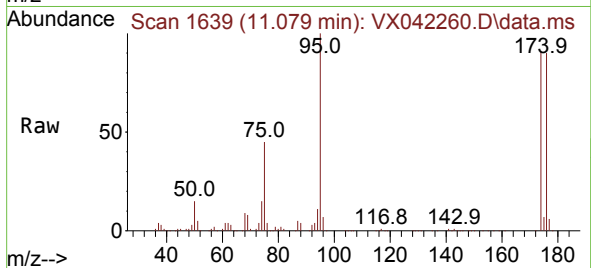
Tgt Ion: 95 Resp: 93947

Ion Ratio Lower Upper

95 100

174 98.7 0.0 135.6

176 96.4 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: VX042260.D

Acq: 10 Jul 2024 12:26

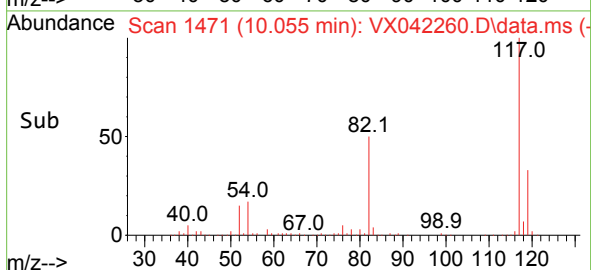
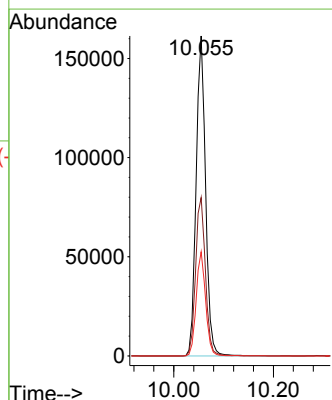
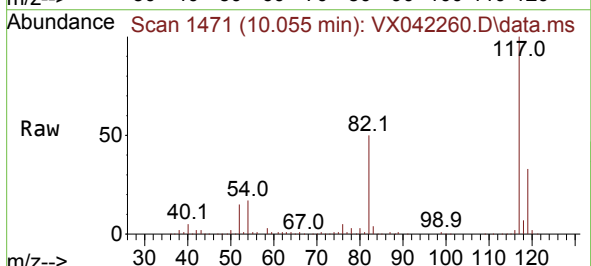
Tgt Ion: 117 Resp: 212598

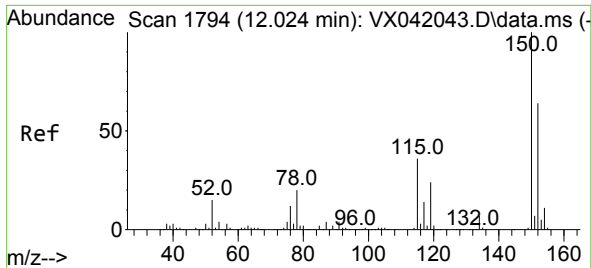
Ion Ratio Lower Upper

117 100

82 49.5 46.2 69.4

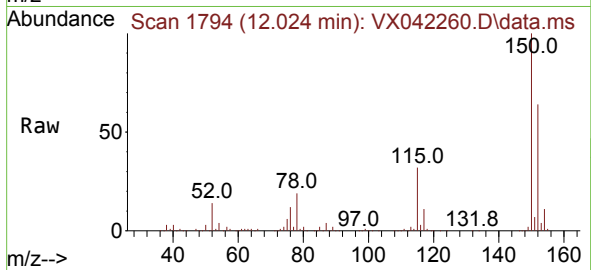
119 32.6 25.5 38.3



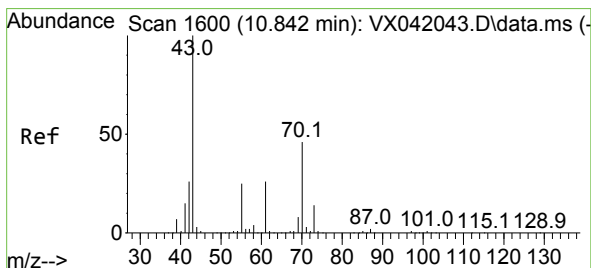
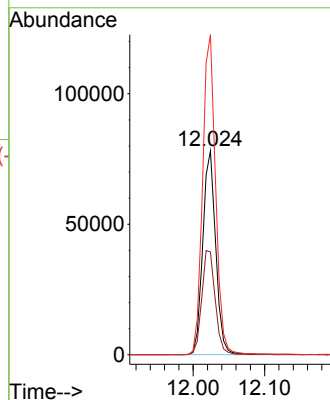
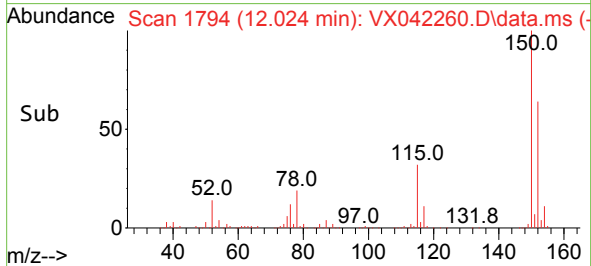


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

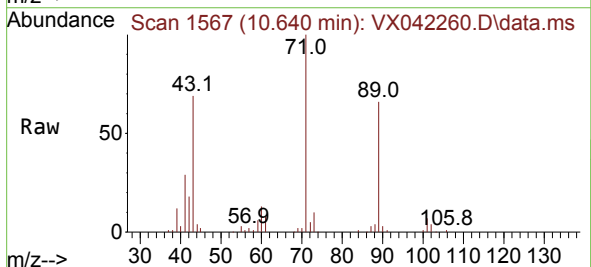
Instrument :
MSVOA_X
ClientSampleId :



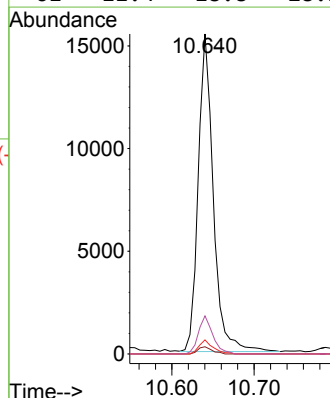
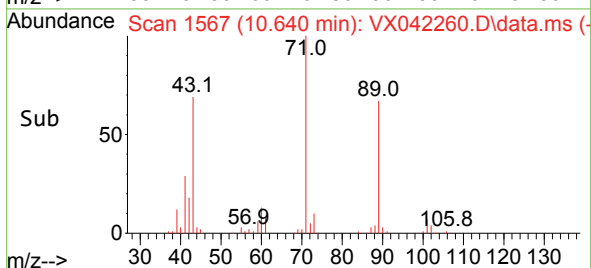
Tgt Ion:152 Resp: 98541
Ion Ratio Lower Upper
152 100
115 52.8 43.3 129.9
150 157.3 0.0 345.0

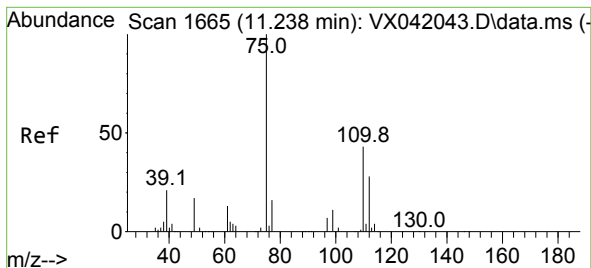


#74
N-ethyl acetate
Concen: 7.421 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26



Tgt Ion: 43 Resp: 19750
Ion Ratio Lower Upper
43 100
70 2.1 32.9 49.3#
55 4.1 19.3 28.9#
61 11.4 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.046 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042260.D

Acq: 10 Jul 2024 12:26

Instrument :

MSVOA_X

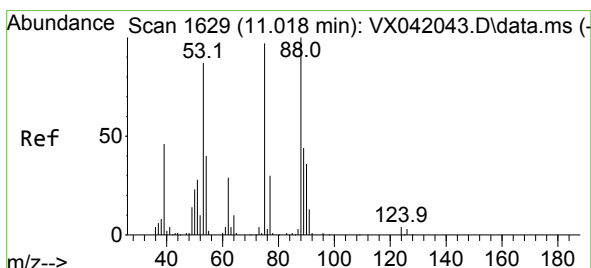
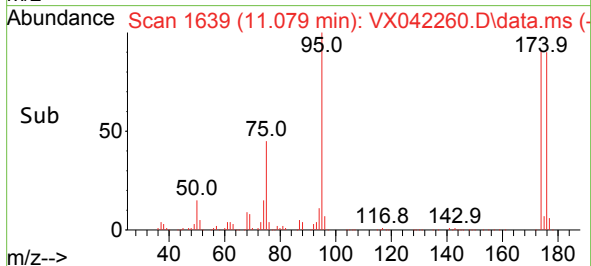
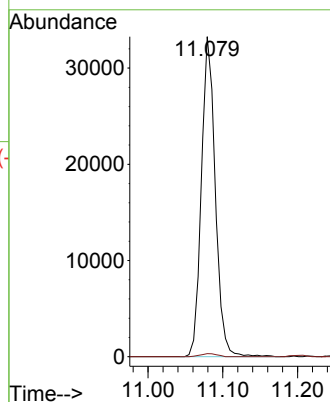
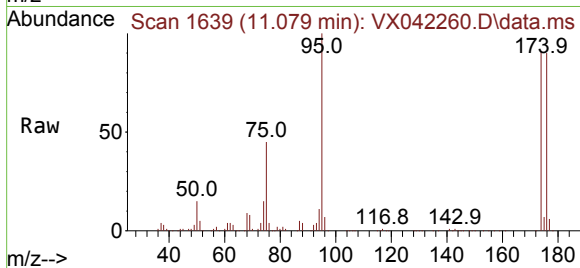
ClientSampleId :

Tgt Ion: 75 Resp: 43016

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.288 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042260.D

Acq: 10 Jul 2024 12:26

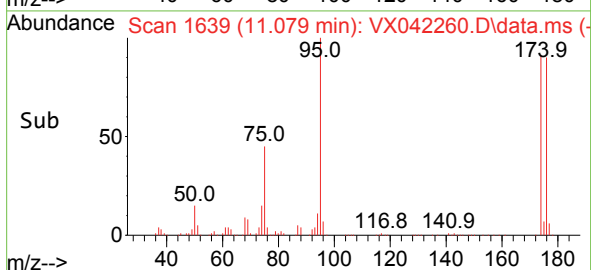
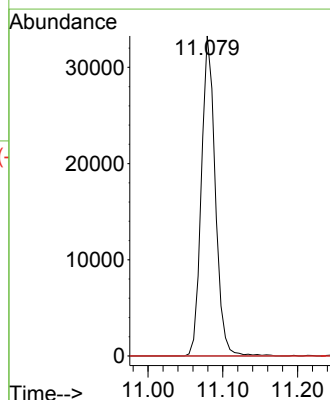
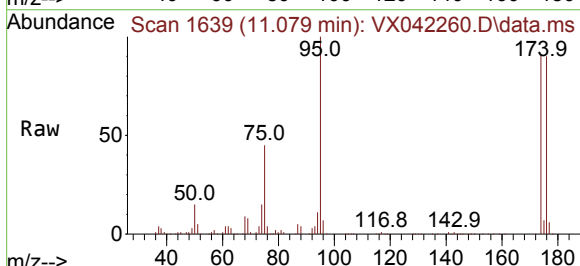
Tgt Ion: 75 Resp: 43016

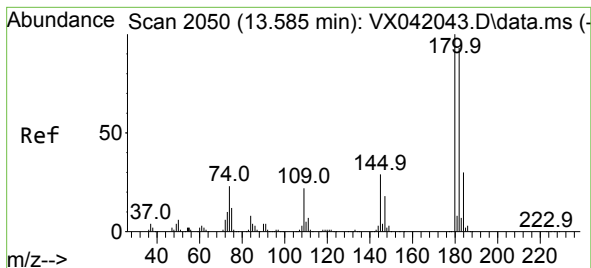
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.267 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX042260.D

Acq: 10 Jul 2024 12:26

Instrument :

MSVOA_X

ClientSampleId :

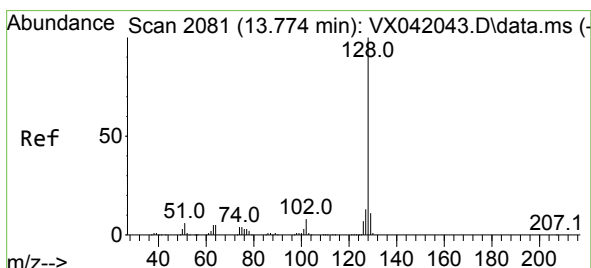
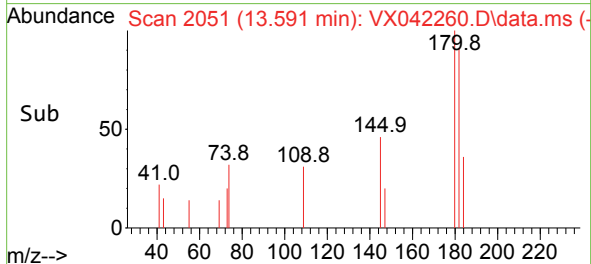
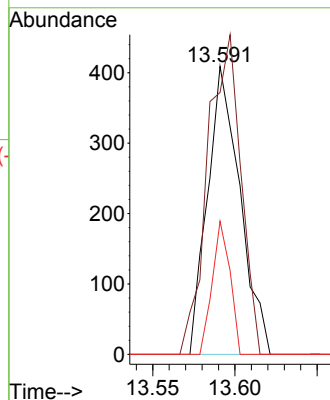
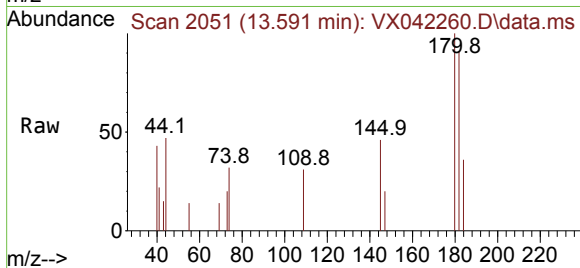
Tgt Ion:180 Resp: 561

Ion Ratio Lower Upper

180 100

182 113.4 48.3 144.8

145 25.1 18.0 54.0



#95

Naphthalene

Concen: 1.096 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042260.D

Acq: 10 Jul 2024 12:26

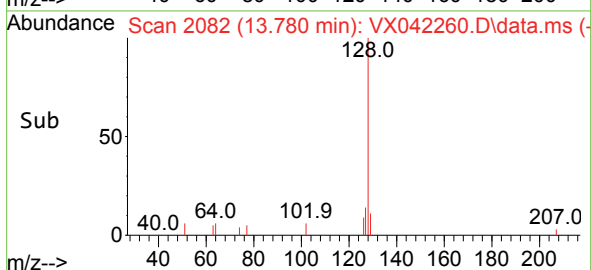
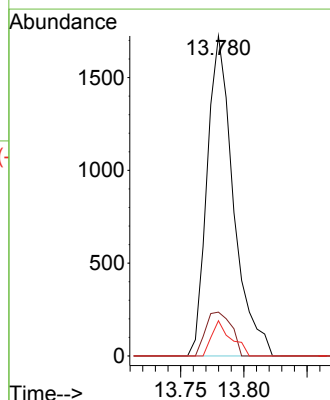
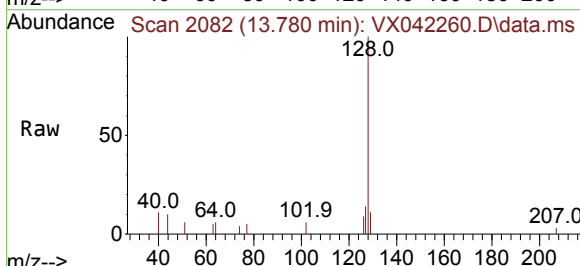
Tgt Ion:128 Resp: 2497

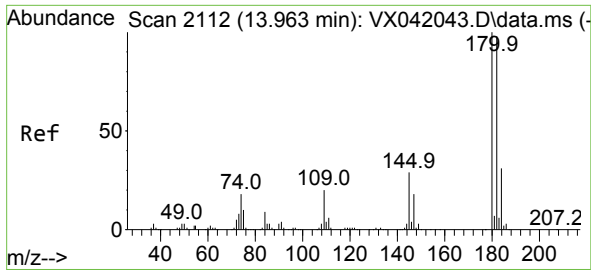
Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

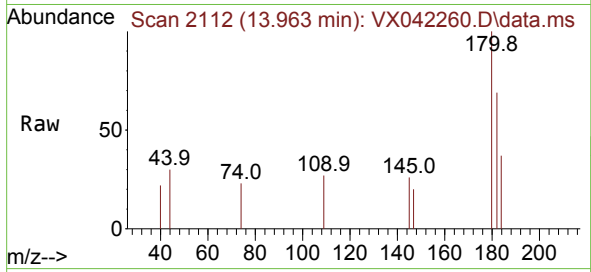
129 8.1 8.8 13.2#





#96
1,2,3-Trichlorobenzene
Concen: 0.320 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX042260.D
Acq: 10 Jul 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.3	46.9	140.6
145	24.1	17.8	53.5

