

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070224\
 Data File : VX042145.D
 Acq On : 02 Jul 2024 17:18
 Operator : JC/MD
 Sample : P3092-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW1A-20240626

Quant Time: Jul 03 03:36:54 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)

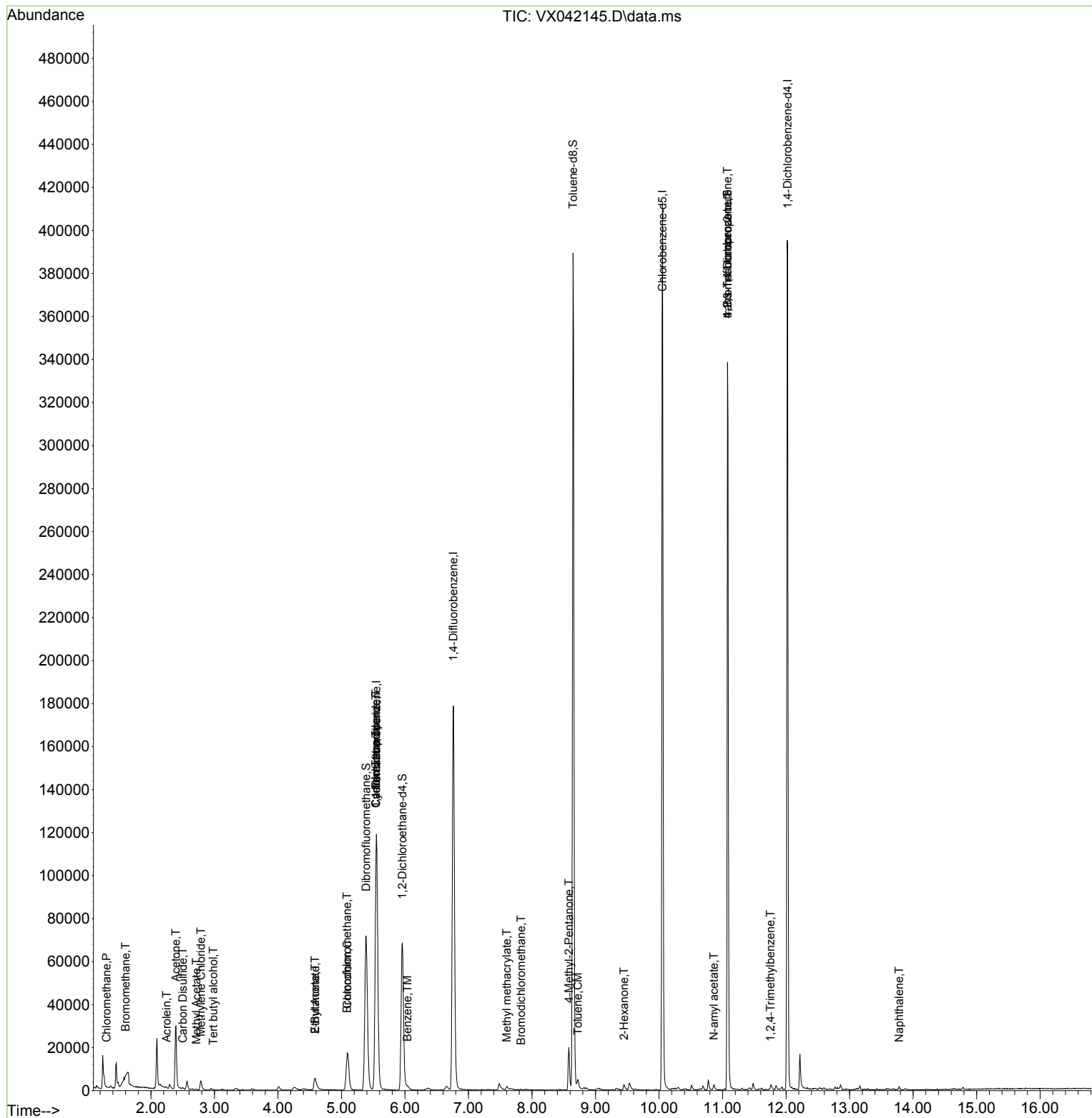
Internal Standards						
1) Pentafluorobenzene	5.550	168	132203	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	200832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65743	43.125	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.260%		
35) Dibromofluoromethane	5.385	113	63879	44.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.660%		
50) Toluene-d8	8.647	98	237632	47.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.940%		
62) 4-Bromofluorobenzene	11.079	95	88240	47.817	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.640%		
Target Compounds						Qvalue
3) Chloromethane	1.300	50	332	0.263	ug/l	# 43
5) Bromomethane	1.599	94	244	0.390	ug/l	87
6) Chloroethane	1.672	64	92	Below Cal	#	43
11) Tert butyl alcohol	2.983	59	432	1.493	ug/l	# 78
13) Acrolein	2.245	56	403	1.243	ug/l	88
16) Acetone	2.392	43	34119	50.970	ug/l	92
17) Carbon Disulfide	2.501	76	872	0.375	ug/l	# 76
18) Methyl Acetate	2.715	43	733	0.401	ug/l	# 65
20) Methylene Chloride	2.788	84	2575	1.757	ug/l	# 80
25) 2-Butanone	4.586	43	11959	11.483	ug/l	94
28) Bromochloromethane	5.086	49	1518	1.656	ug/l	# 16
30) Chloroform	5.092	83	22065	9.894	ug/l	95
31) Cyclohexane	5.544	56	1754	0.984	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	7236	4.782	ug/l	# 51
37) Ethyl Acetate	4.586	43	11959	6.067	ug/l	# 69
38) Carbon Tetrachloride	5.544	117	10955	6.552	ug/l	# 16
40) Benzene	6.037	78	2159	0.423	ug/l	99
47) Bromodichloromethane	7.830	83	355	0.211	ug/l	# 67
48) Methyl methacrylate	7.604	41	776	0.537	ug/l	# 36
51) 4-Methyl-2-Pentanone	8.580	43	12696	6.091	ug/l	96
52) Toluene	8.720	92	1616	0.497	ug/l	92
59) 2-Hexanone	9.451	43	1986	1.244	ug/l	92
74) N-amyl acetate	10.866	43	629	0.236	ug/l	# 33
76) 1,2,3-Trichloropropane	11.079	75	40774	22.715	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	40774	64.508	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	1127	0.224	ug/l	74
95) Naphthalene	13.780	128	1381	0.940	ug/l	# 92

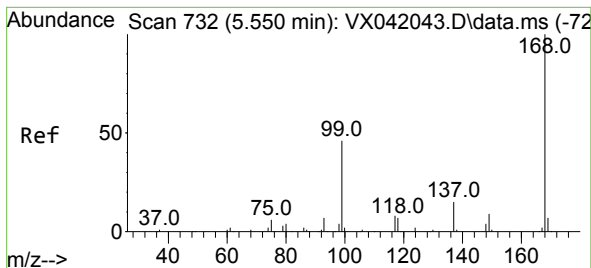
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX042145.D

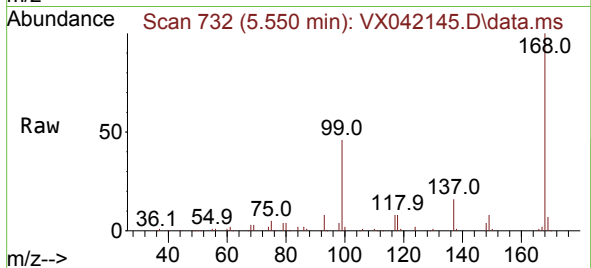
Acq: 02 Jul 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :

MW1A-20240626

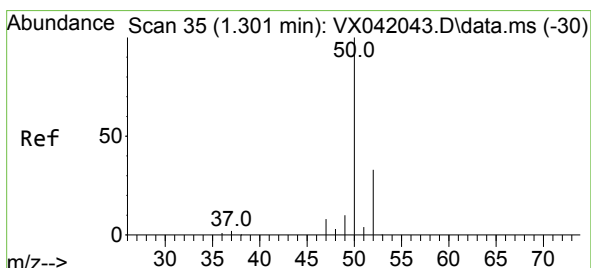
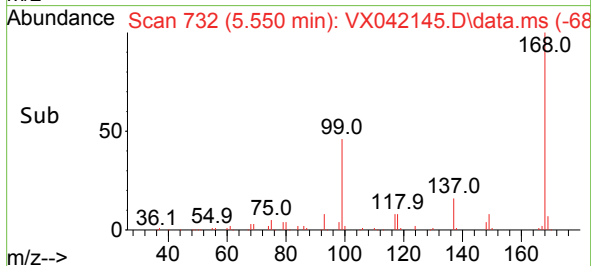
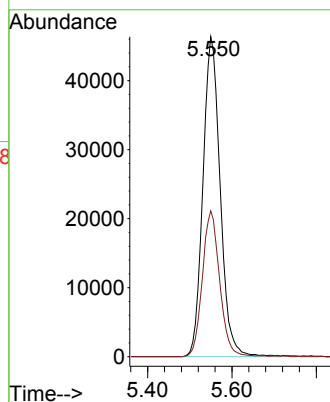


Tgt Ion:168 Resp: 132203

Ion Ratio Lower Upper

168 100

99 45.6 56.6 85.0#



#3

Chloromethane

Concen: 0.263 ug/l

RT: 1.300 min Scan# 35

Delta R.T. -0.006 min

Lab File: VX042145.D

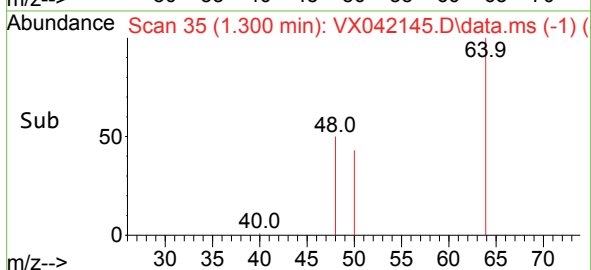
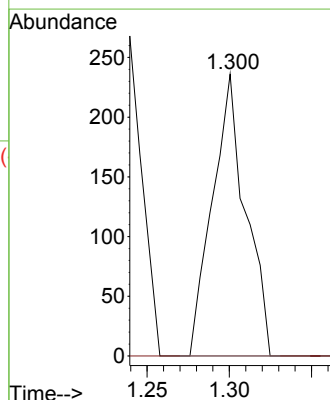
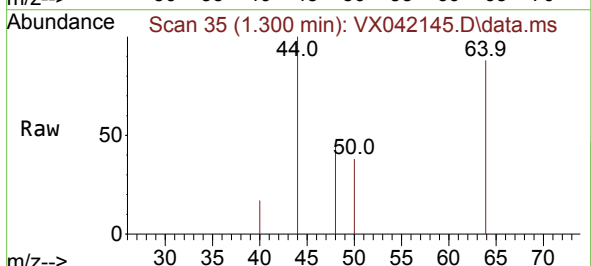
Acq: 02 Jul 2024 17:18

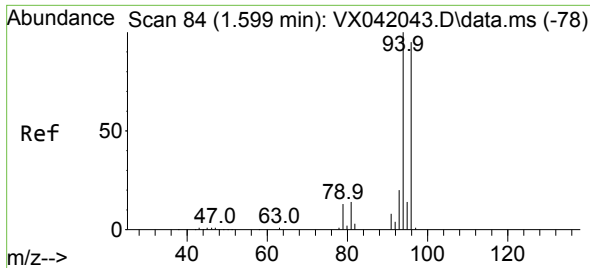
Tgt Ion: 50 Resp: 332

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

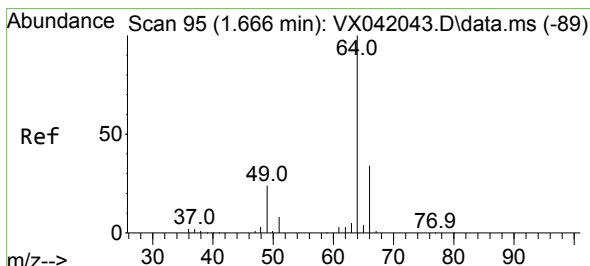
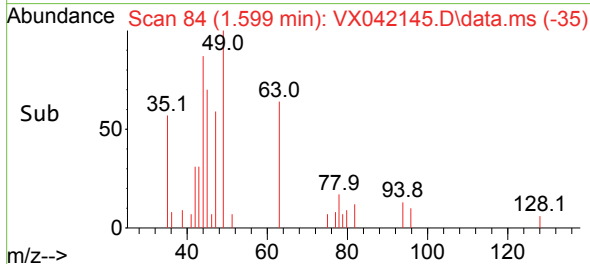
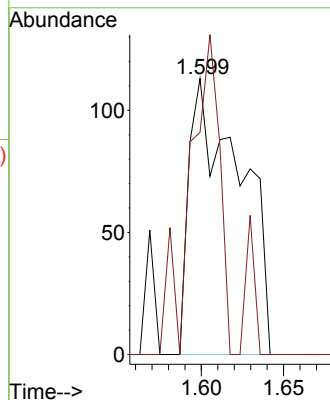
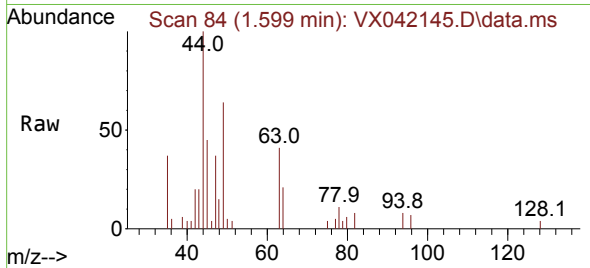




#5
 Bromomethane
 Concen: 0.390 ug/l
 RT: 1.599 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VX042145.D
 Acq: 02 Jul 2024 17:18

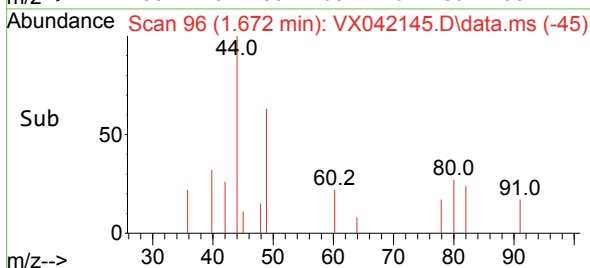
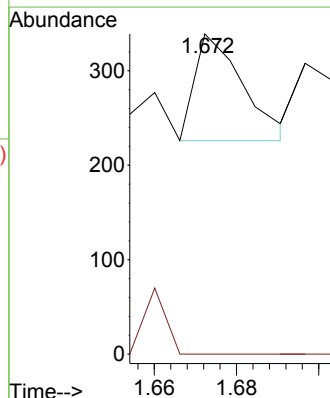
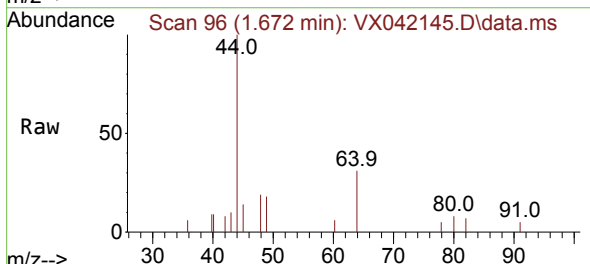
Instrument :
 MSVOA_X
 ClientSampleId :
 MW1A-20240626

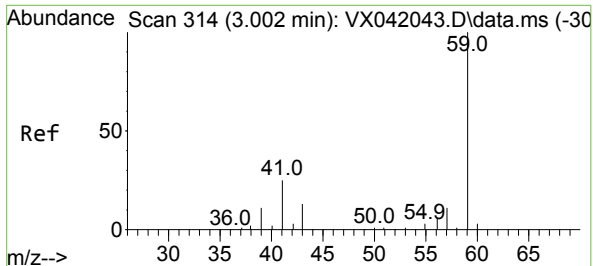
Tgt Ion: 94 Resp: 244
 Ion Ratio Lower Upper
 94 100
 96 80.5 74.6 111.8



#6
 Chloroethane
 Concen: Below Cal
 RT: 1.672 min Scan# 96
 Delta R.T. 0.012 min
 Lab File: VX042145.D
 Acq: 02 Jul 2024 17:18

Tgt Ion: 64 Resp: 92
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.493 ug/l

RT: 2.983 min Scan# 31

Delta R.T. -0.024 min

Lab File: VX042145.D

Acq: 02 Jul 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :

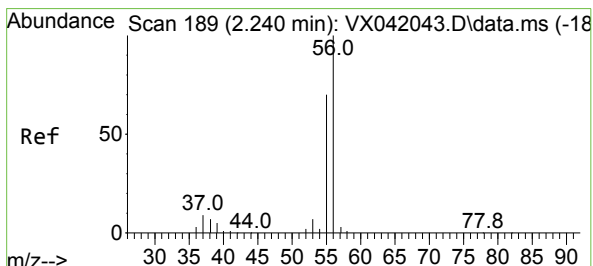
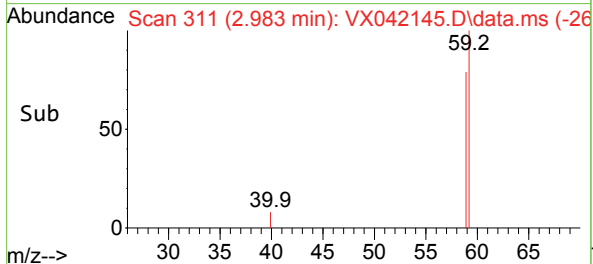
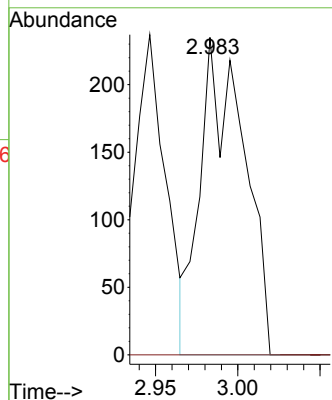
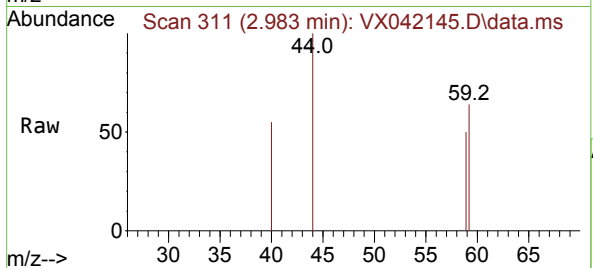
MW1A-20240626

Tgt Ion: 59 Resp: 432

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 1.243 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX042145.D

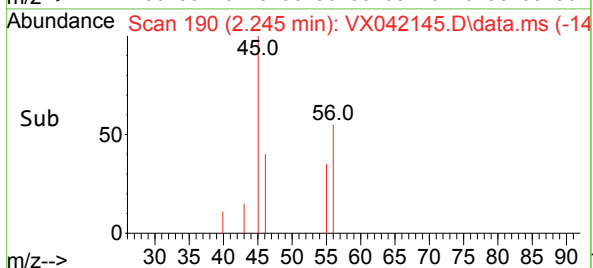
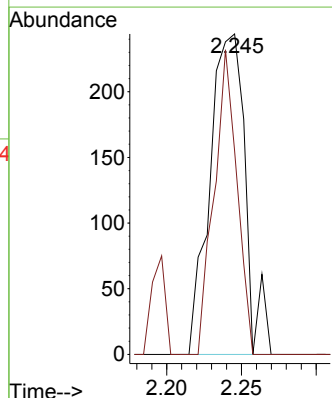
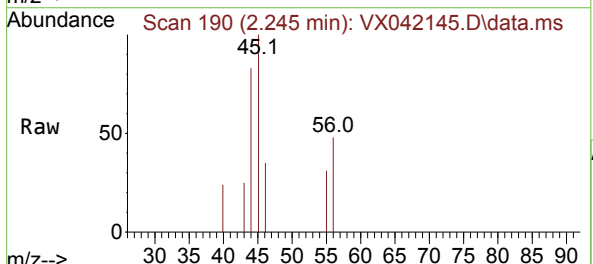
Acq: 02 Jul 2024 17:18

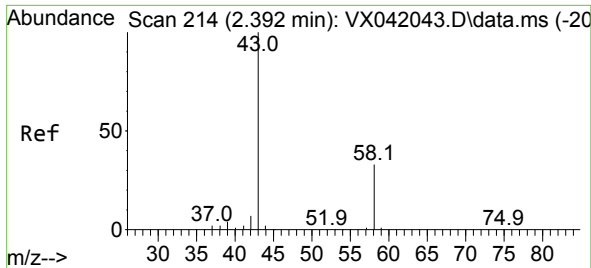
Tgt Ion: 56 Resp: 403

Ion Ratio Lower Upper

56 100

55 61.3 57.1 85.7

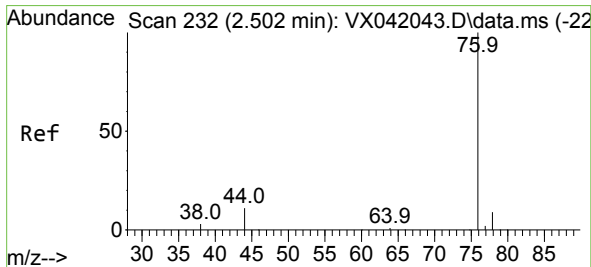
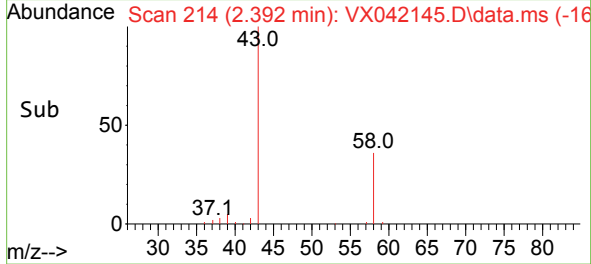
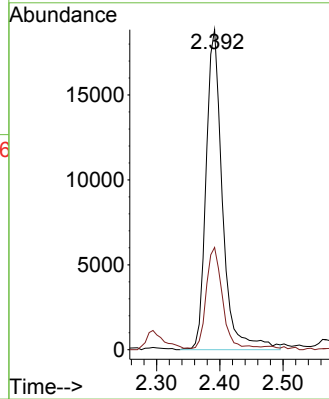
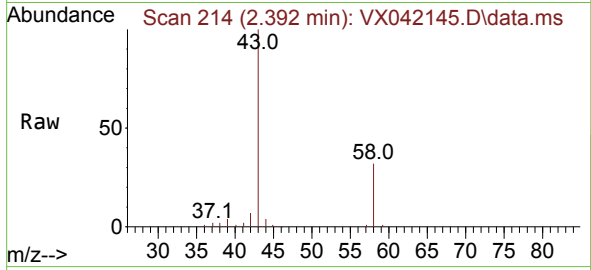




#16
Acetone
Concen: 50.970 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

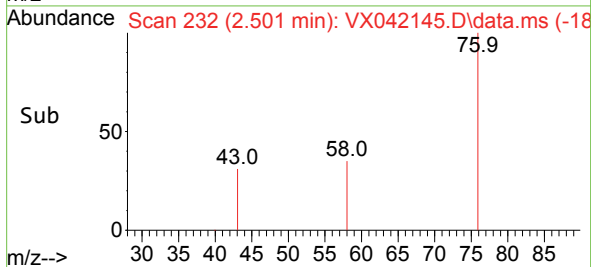
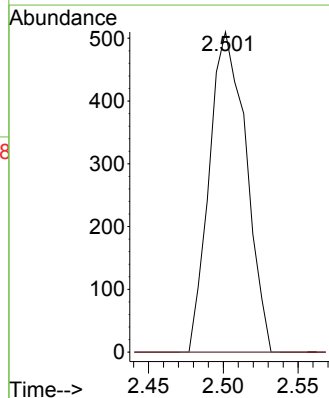
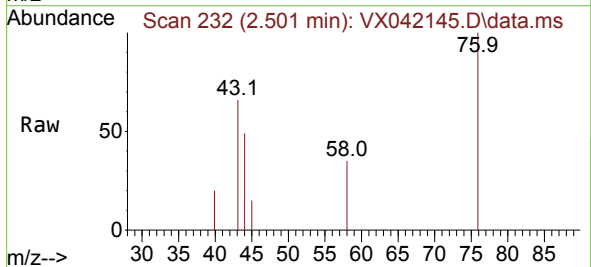
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

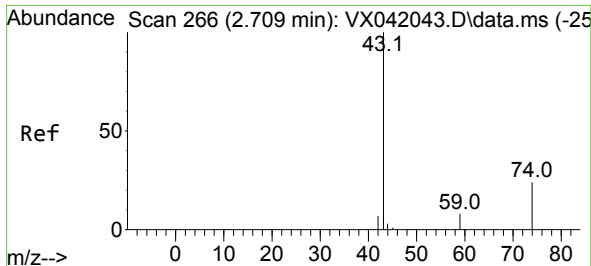
Tgt Ion: 43 Resp: 34119
Ion Ratio Lower Upper
43 100
58 31.4 21.9 32.9



#17
Carbon Disulfide
Concen: 0.375 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

Tgt Ion: 76 Resp: 872
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

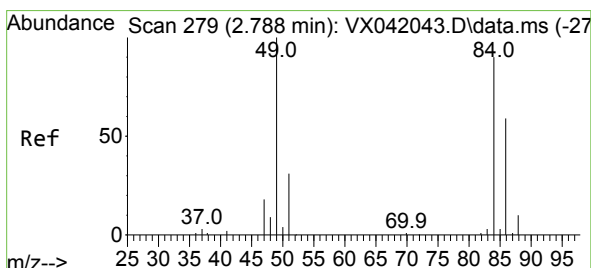
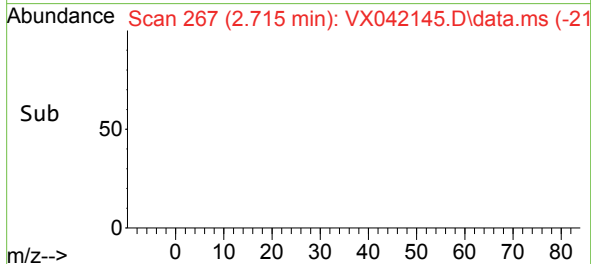
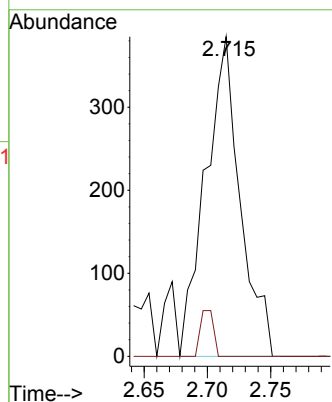
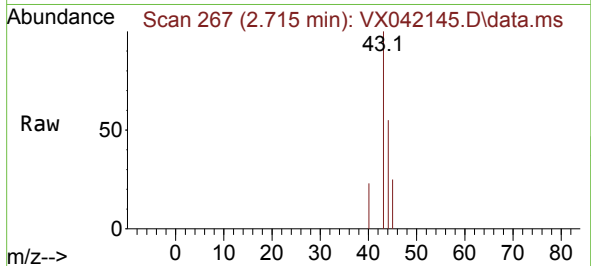




#18
Methyl Acetate
Concen: 0.401 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

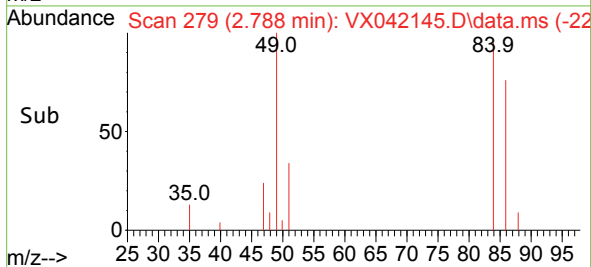
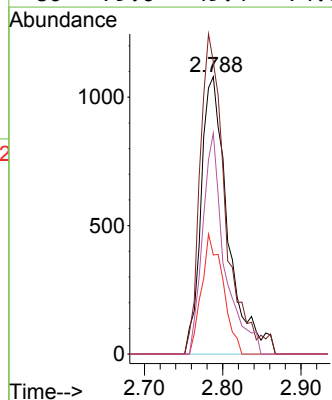
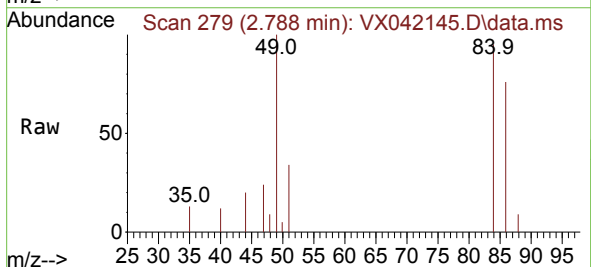
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MSVOA_X
ClientSampleId :
MW1A-20240626

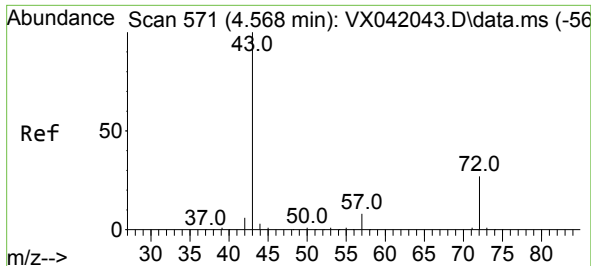
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
74 5.5 17.8 26.8#



#20
Methylene Chloride
Concen: 1.757 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

Tgt Ion: 84 Resp: 2575
Ion Ratio Lower Upper
84 100
49 105.3 103.6 155.4
51 35.7 33.8 50.6
86 79.6 49.4 74.0#

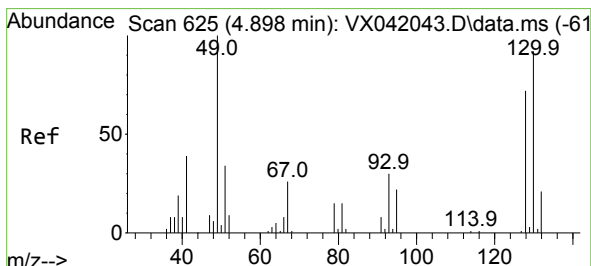
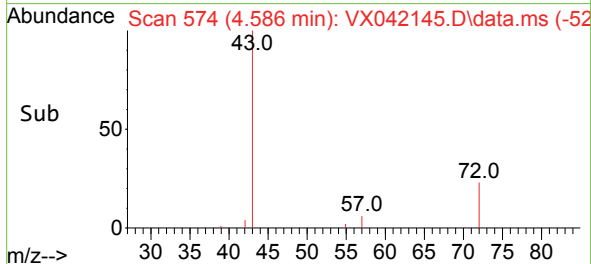
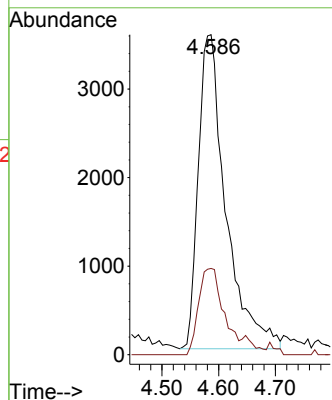
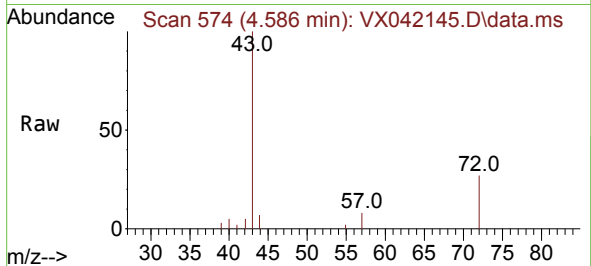




#25
2-Butanone
Concen: 11.483 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

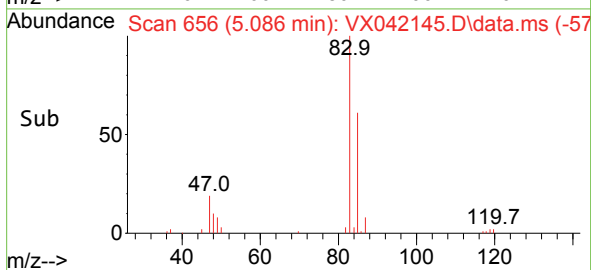
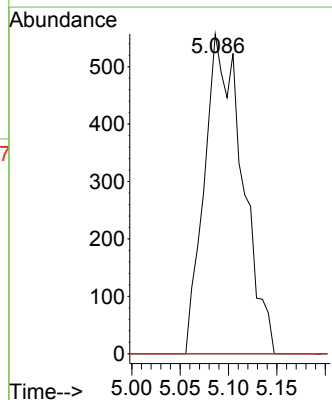
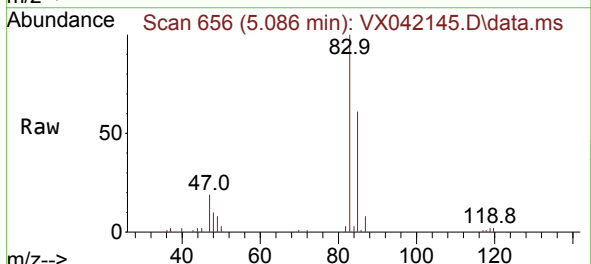
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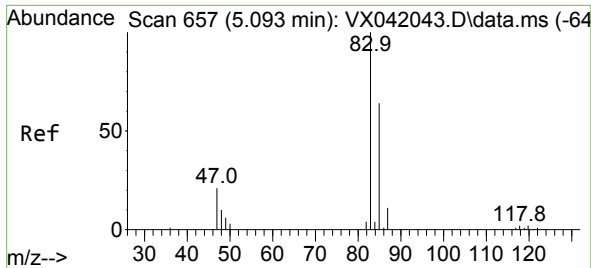
Tgt Ion: 43 Resp: 11959
Ion Ratio Lower Upper
43 100
72 27.5 19.4 29.2



#28
Bromochloromethane
Concen: 1.656 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.183 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

Tgt Ion: 49 Resp: 1518
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#

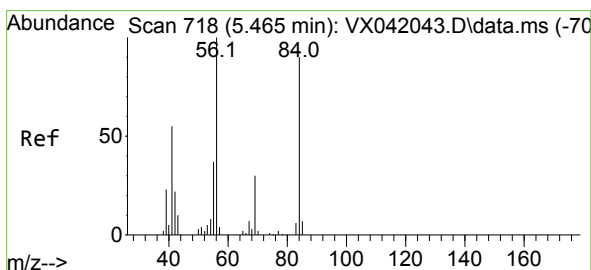
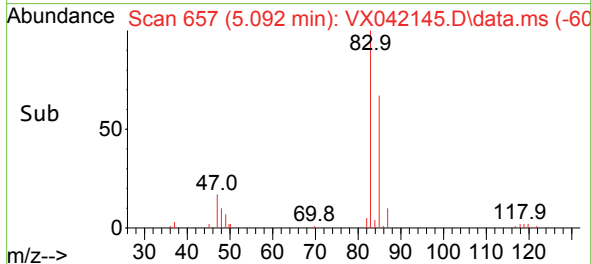
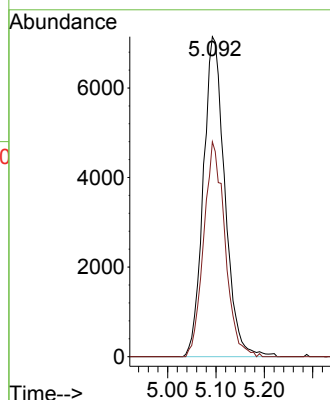
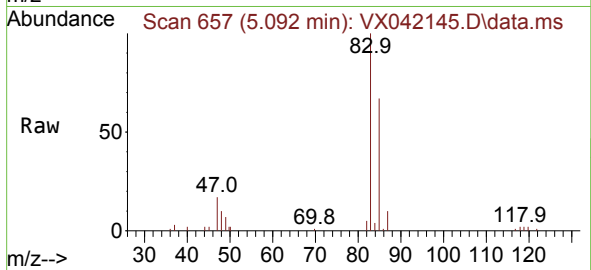




#30
Chloroform
Concen: 9.894 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

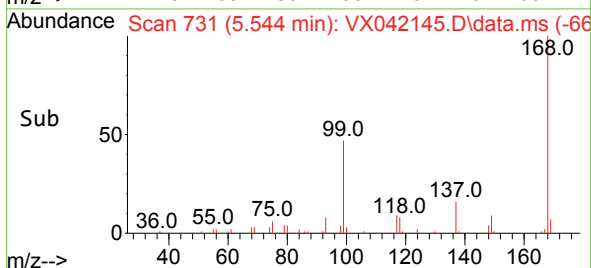
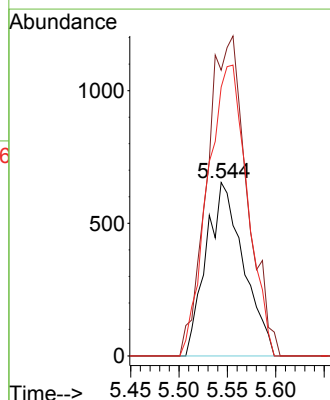
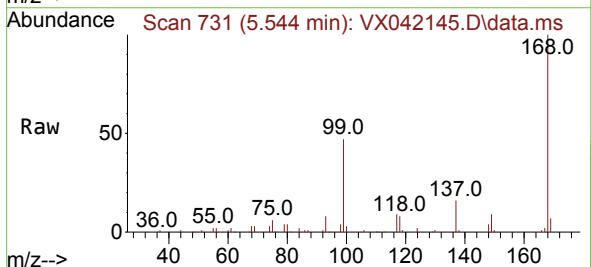
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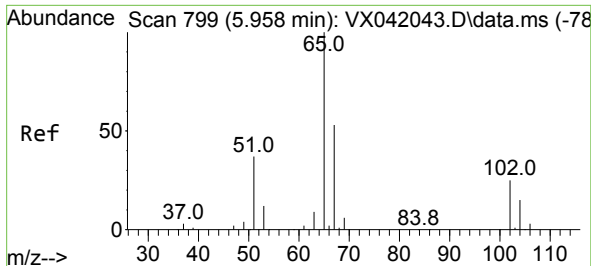
Tgt Ion: 83 Resp: 22065
Ion Ratio Lower Upper
83 100
85 67.1 50.3 75.5



#31
Cyclohexane
Concen: 0.984 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

Tgt Ion: 56 Resp: 1754
Ion Ratio Lower Upper
56 100
69 164.7 23.4 35.2#
84 154.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.125 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX042145.D

Acq: 02 Jul 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :

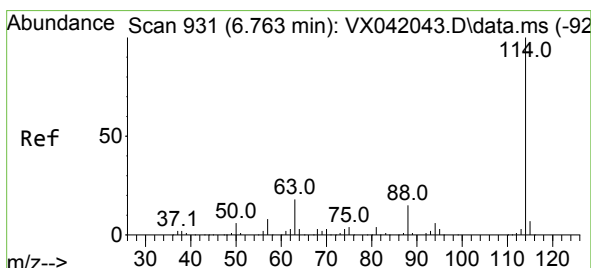
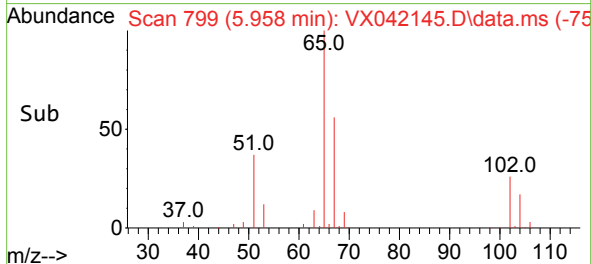
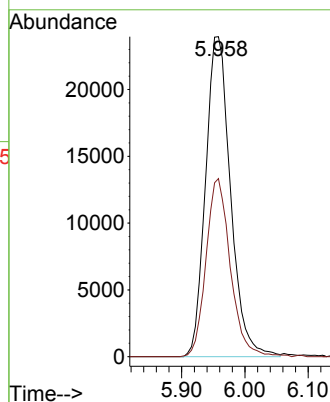
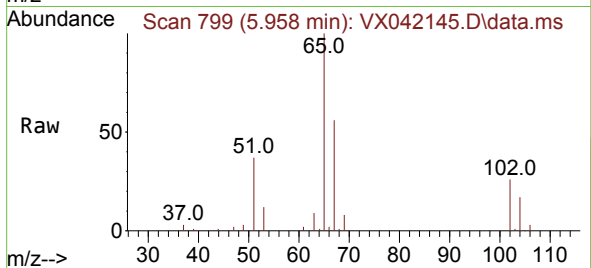
MW1A-20240626

Tgt Ion: 65 Resp: 65743

Ion Ratio Lower Upper

65 100

67 54.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042145.D

Acq: 02 Jul 2024 17:18

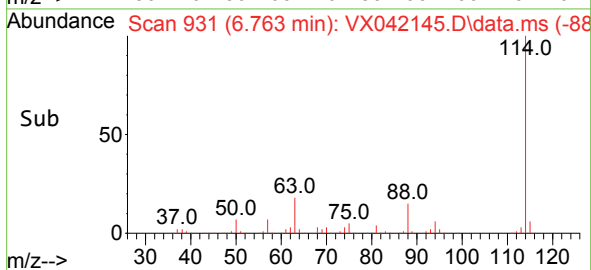
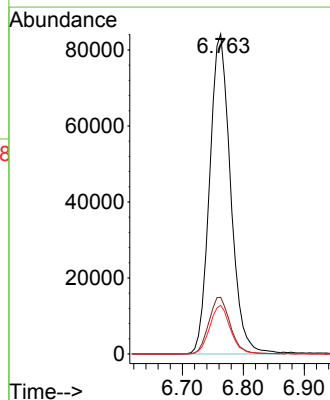
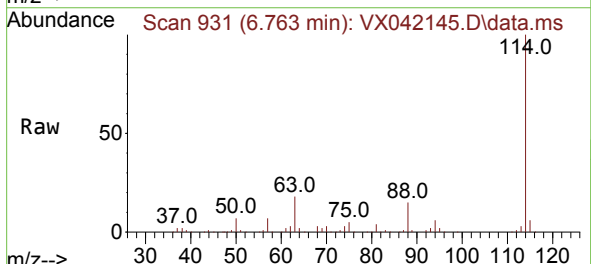
Tgt Ion: 114 Resp: 200832

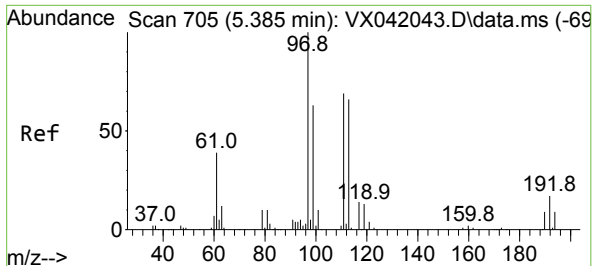
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

88 15.2 0.0 36.6

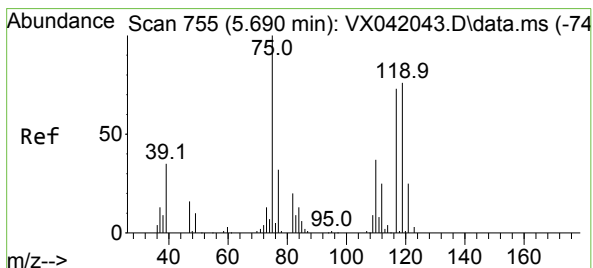
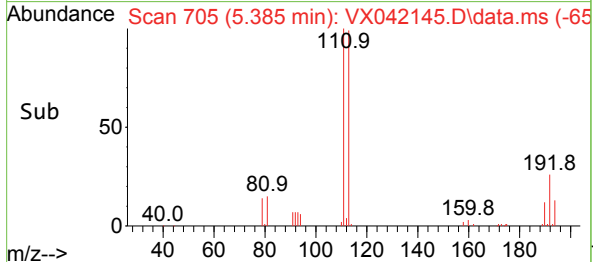
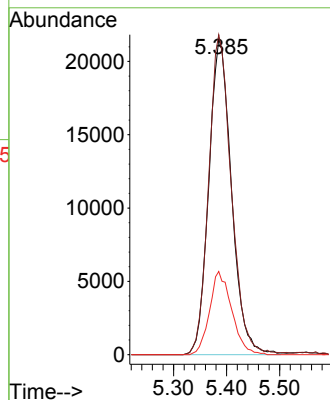
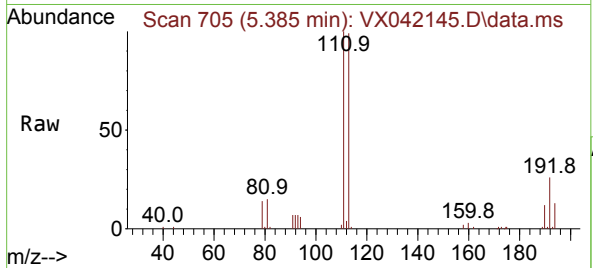




#35
Dibromofluoromethane
Concen: 44.827 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

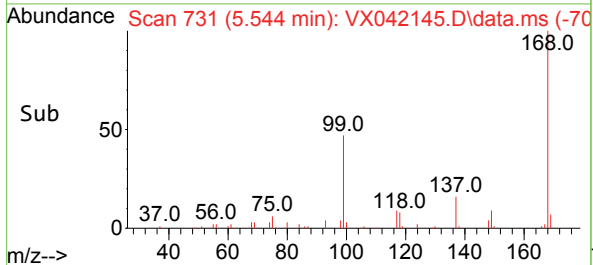
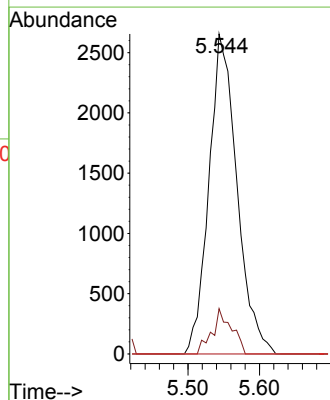
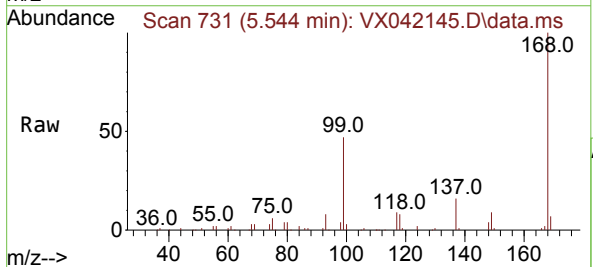
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

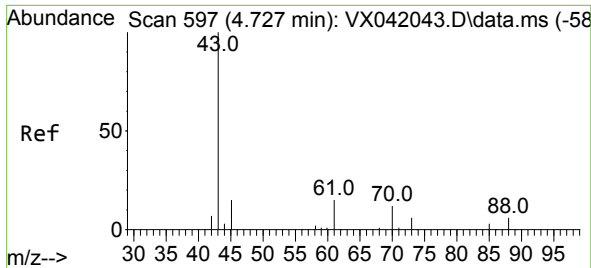
Tgt Ion:113 Resp: 63879
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 25.8 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.782 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

Tgt Ion: 75 Resp: 7236
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 6.067 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX042145.D

Acq: 02 Jul 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :

MW1A-20240626

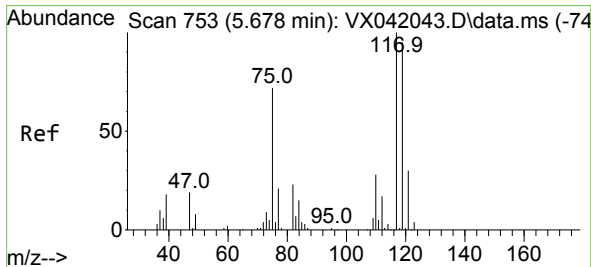
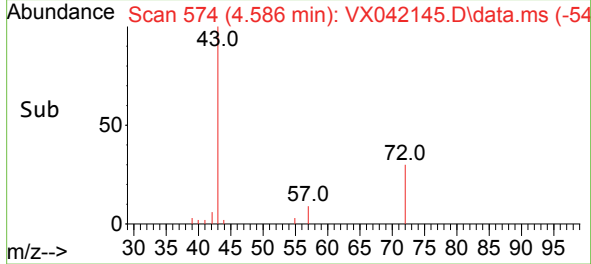
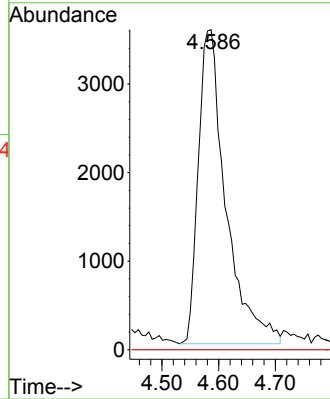
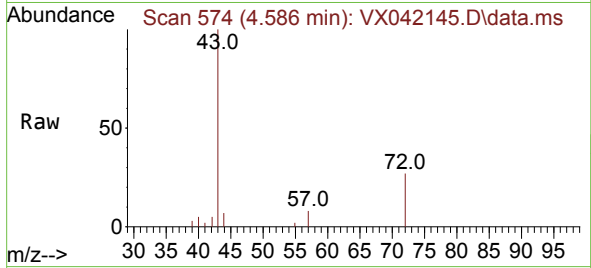
Tgt Ion: 43 Resp: 11959

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.552 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX042145.D

Acq: 02 Jul 2024 17:18

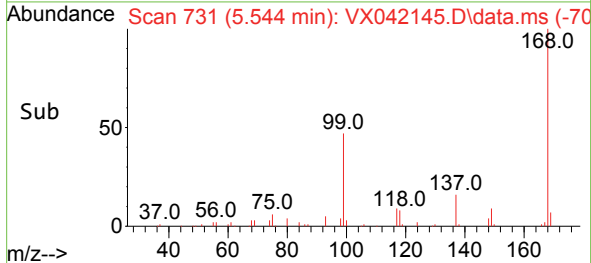
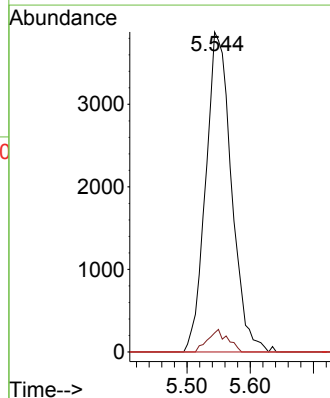
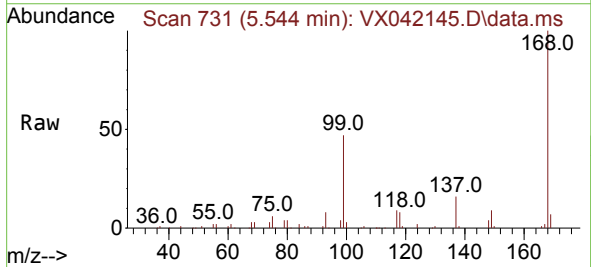
Tgt Ion: 117 Resp: 10955

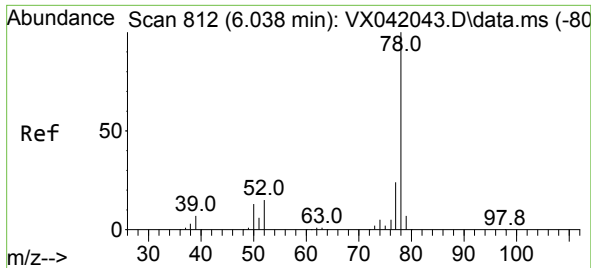
Ion Ratio Lower Upper

117 100

119 6.0 78.2 117.2#

121 0.0 24.4 36.6#

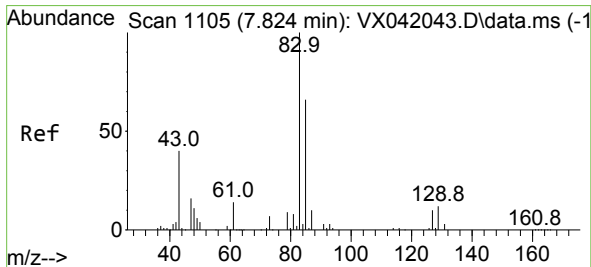
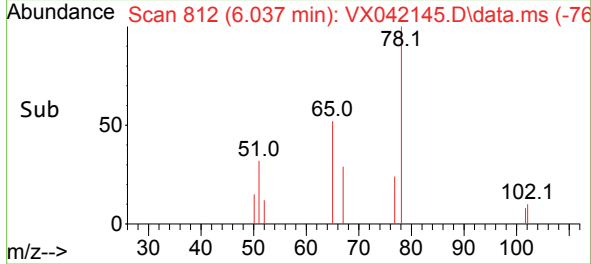
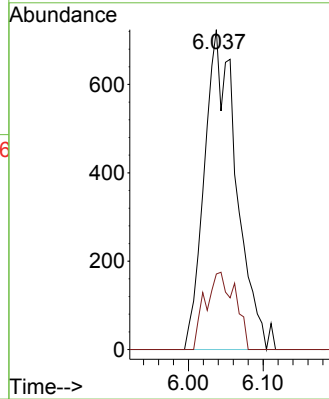
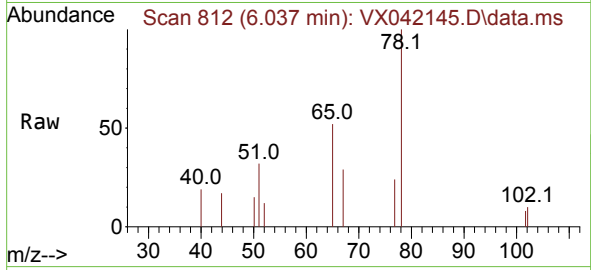




#40
Benzene
Concen: 0.423 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

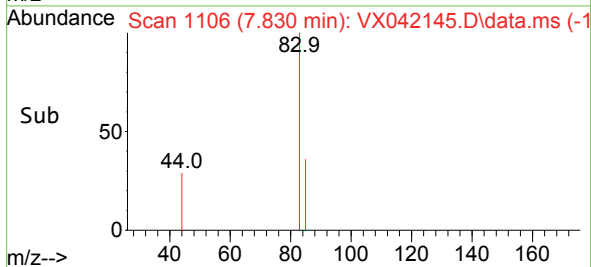
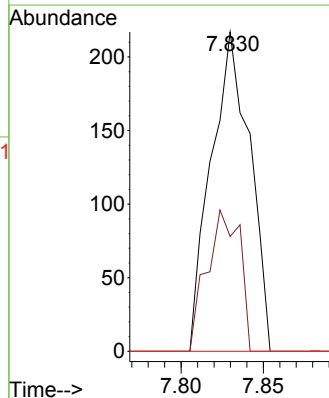
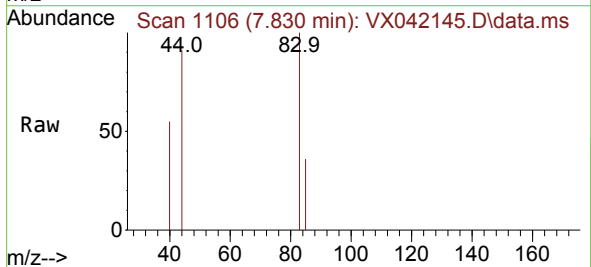
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

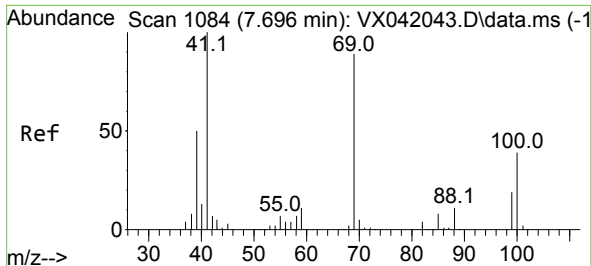
Tgt Ion: 78 Resp: 2159
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9



#47
Bromodichloromethane
Concen: 0.211 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

Tgt Ion: 83 Resp: 355
Ion Ratio Lower Upper
83 100
85 35.9 49.8 74.6#
127 0.0 7.1 10.7#

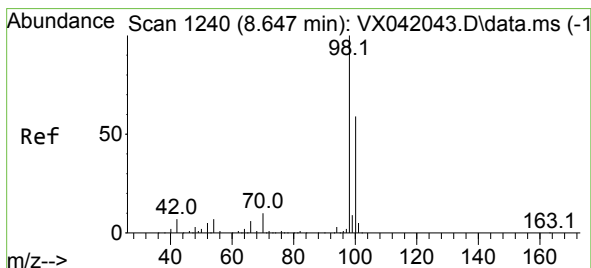
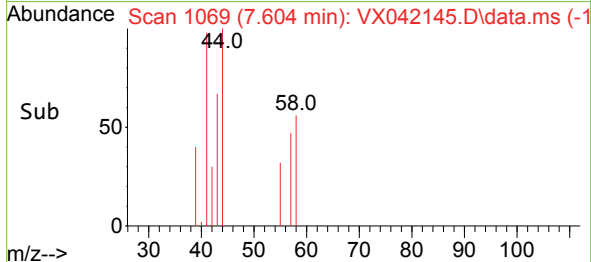
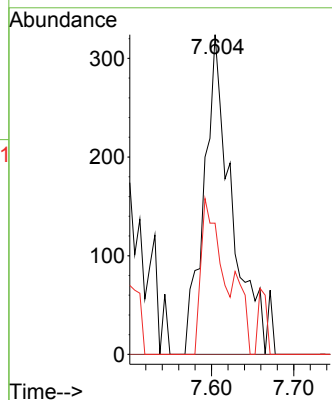
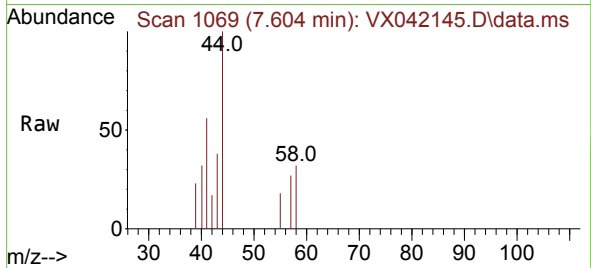




#48
Methyl methacrylate
Concen: 0.537 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

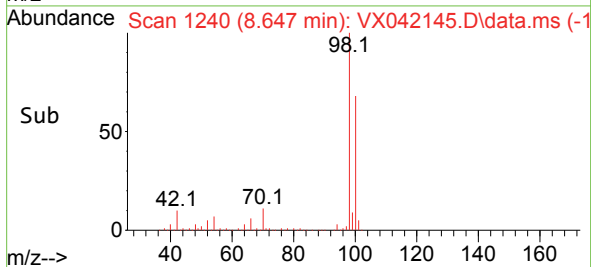
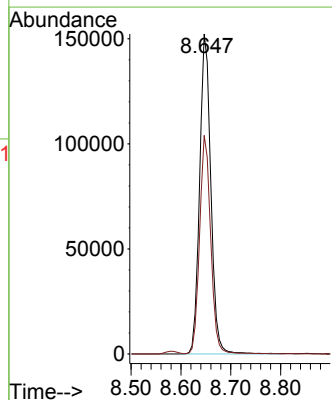
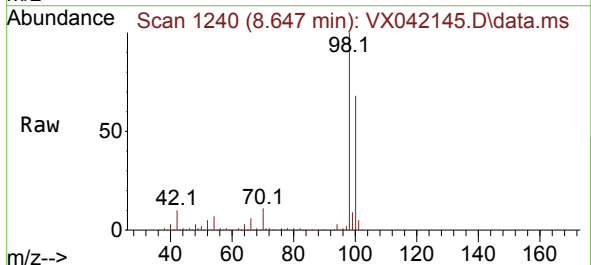
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

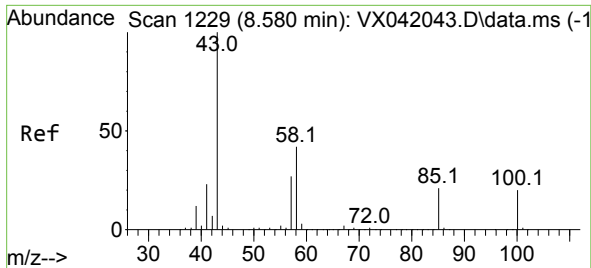
Tgt Ion: 41 Resp: 776
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 34.1 47.7 71.5#



#50
Toluene-d8
Concen: 47.468 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

Tgt Ion: 98 Resp: 237632
Ion Ratio Lower Upper
98 100
100 67.6 53.1 79.7

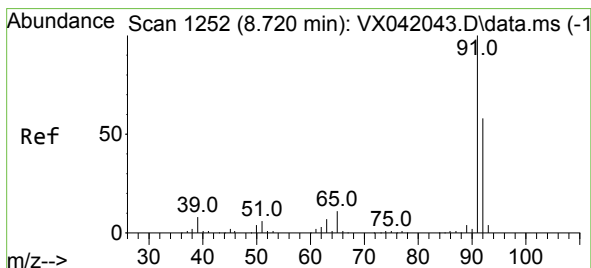
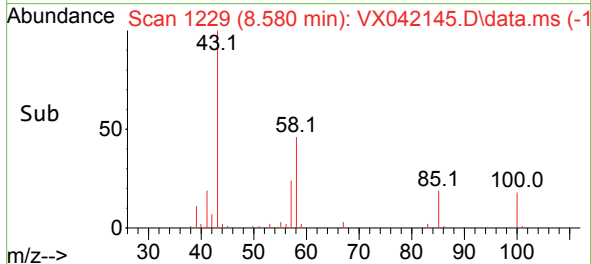
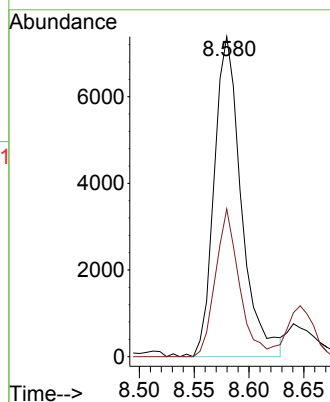
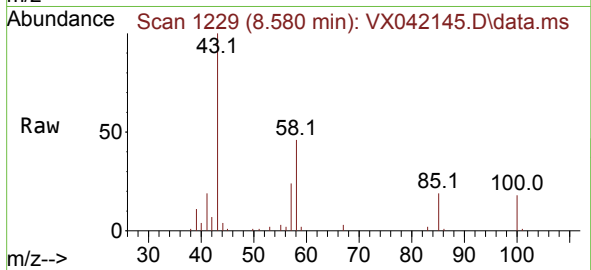




#51
4-Methyl-2-Pentanone
Concen: 6.091 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

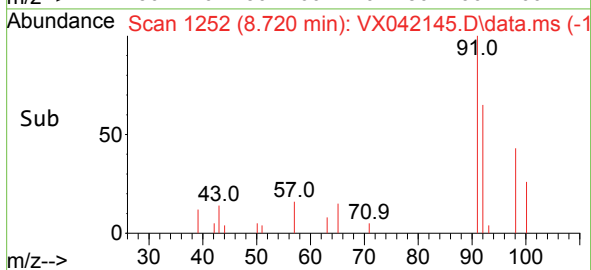
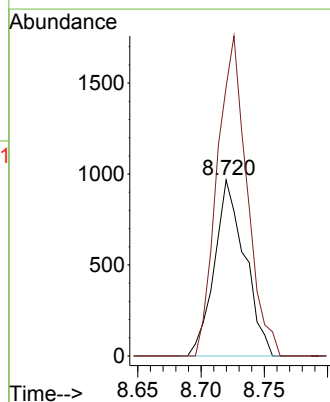
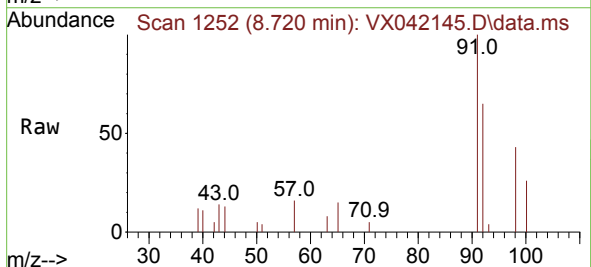
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

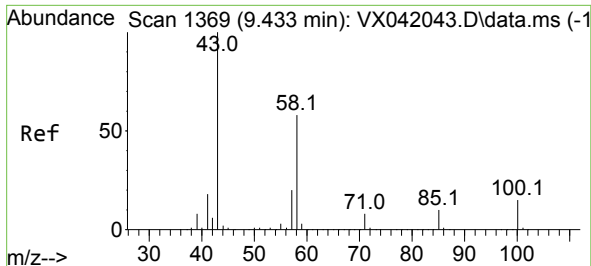
Tgt Ion: 43 Resp: 12696
Ion Ratio Lower Upper
43 100
58 40.4 30.4 45.6



#52
Toluene
Concen: 0.497 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

Tgt Ion: 92 Resp: 1616
Ion Ratio Lower Upper
92 100
91 178.3 134.2 201.2





#59

2-Hexanone

Concen: 1.244 ug/l

RT: 9.451 min Scan# 1372

Delta R.T. 0.018 min

Lab File: VX042145.D

Acq: 02 Jul 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :

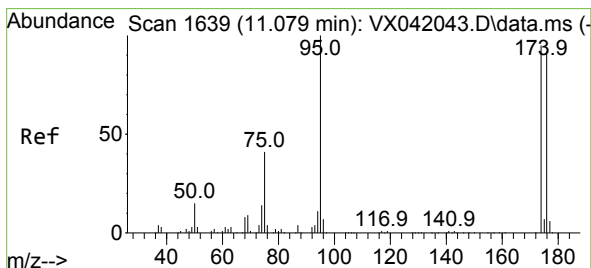
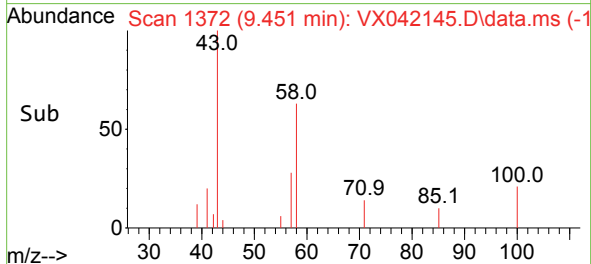
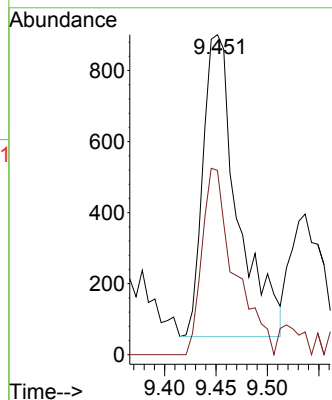
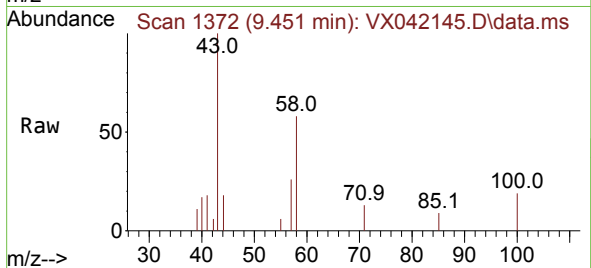
MW1A-20240626

Tgt Ion: 43 Resp: 1986

Ion Ratio Lower Upper

43 100

58 58.1 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 47.817 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX042145.D

Acq: 02 Jul 2024 17:18

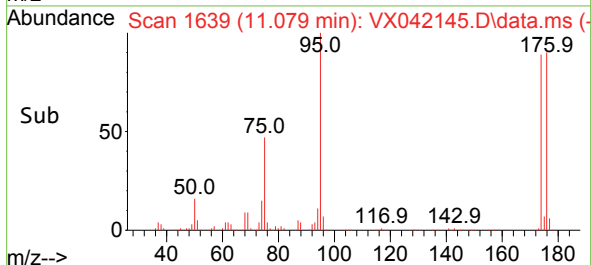
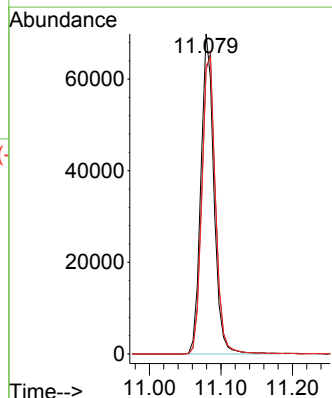
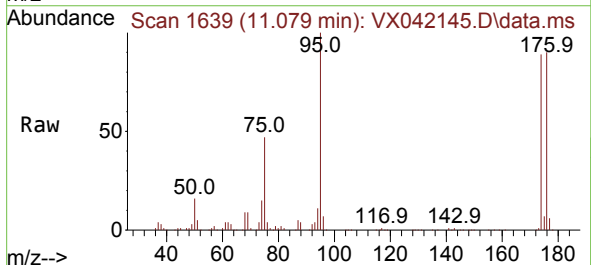
Tgt Ion: 95 Resp: 88240

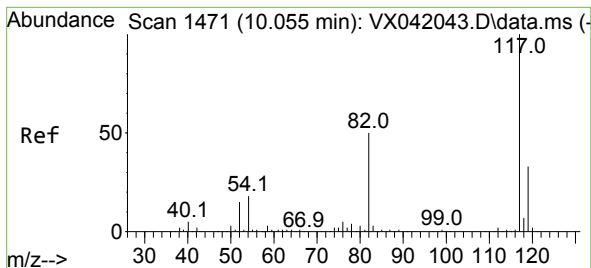
Ion Ratio Lower Upper

95 100

174 98.0 0.0 135.6

176 97.0 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: VX042145.D

Acq: 02 Jul 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :

MW1A-20240626

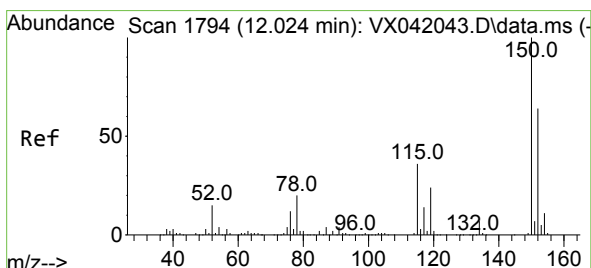
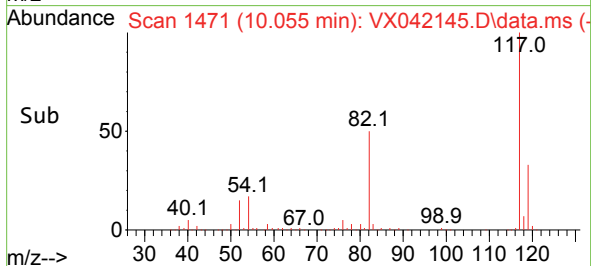
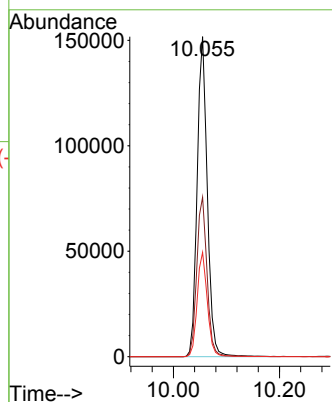
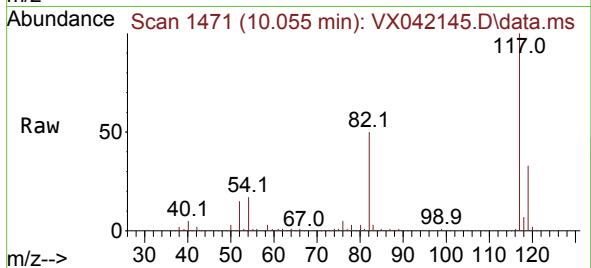
Tgt Ion:117 Resp: 201432

Ion Ratio Lower Upper

117 100

82 49.8 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# 1794

Delta R.T. -0.000 min

Lab File: VX042145.D

Acq: 02 Jul 2024 17:18

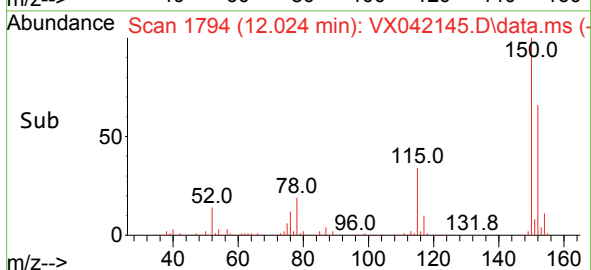
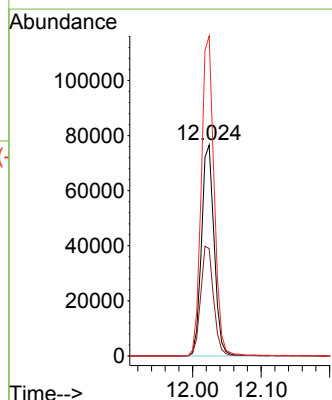
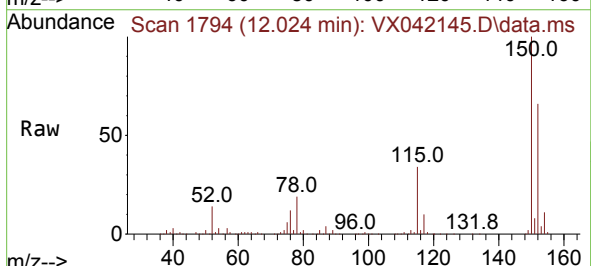
Tgt Ion:152 Resp: 98879

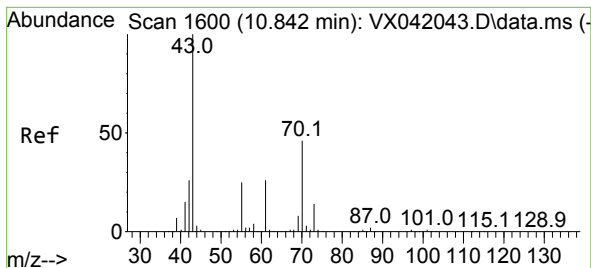
Ion Ratio Lower Upper

152 100

115 53.1 43.3 129.9

150 153.9 0.0 345.0





#74

N-amy1 acetate

Concen: 0.236 ug/l

RT: 10.866 min Scan# 1

Delta R.T. 0.024 min

Lab File: VX042145.D

Acq: 02 Jul 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :

MW1A-20240626

Tgt Ion: 43 Resp: 629

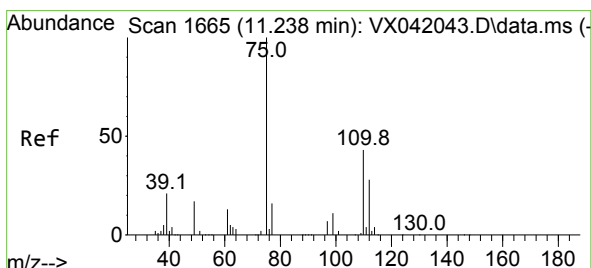
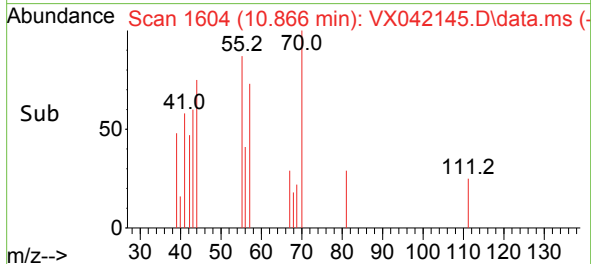
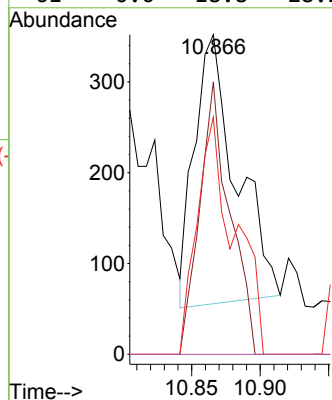
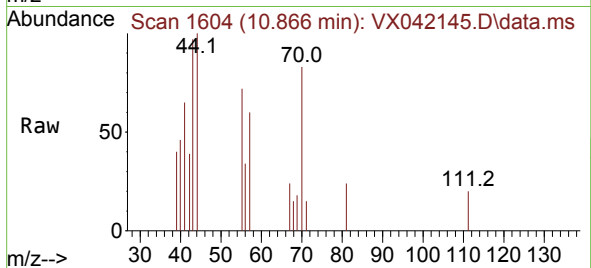
Ion Ratio Lower Upper

43 100

70 73.1 32.9 49.3#

55 79.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 22.715 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042145.D

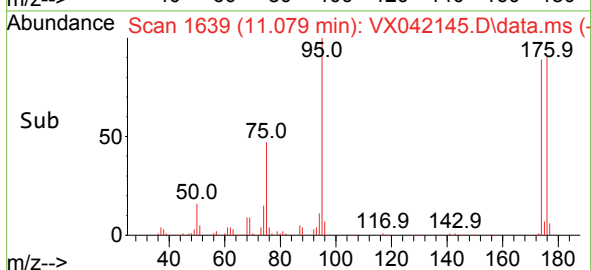
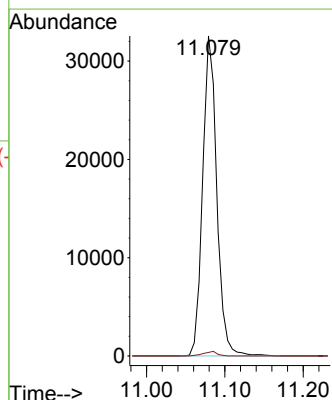
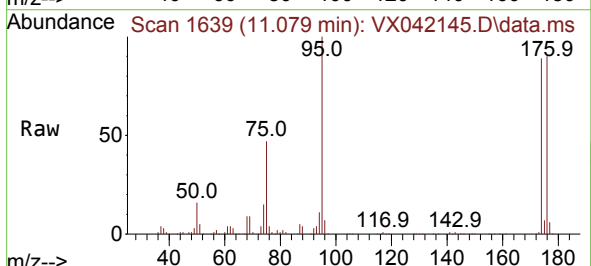
Acq: 02 Jul 2024 17:18

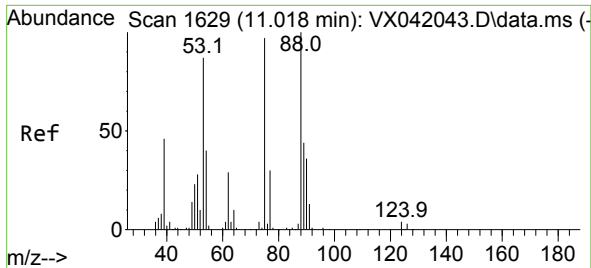
Tgt Ion: 75 Resp: 40774

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#

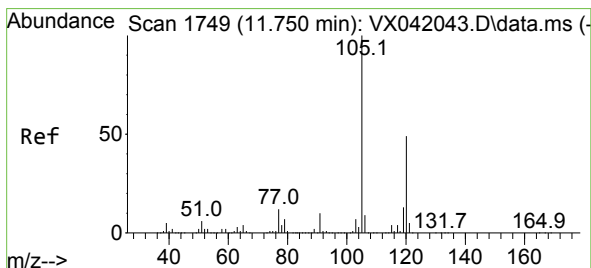
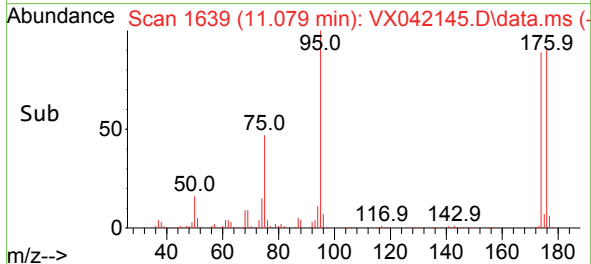
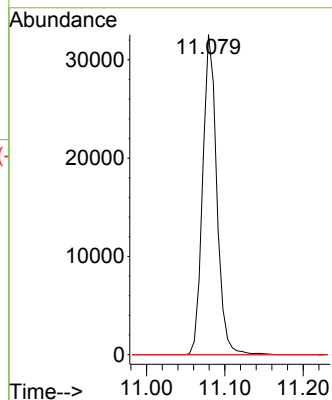
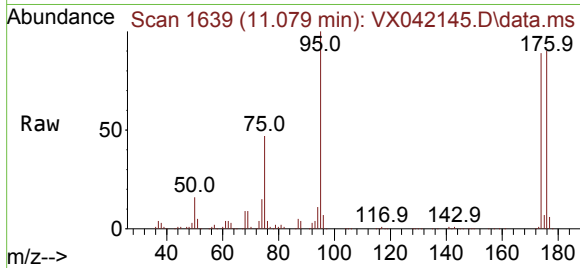




#81
trans-1,4-Dichloro-2-butene
Concen: 64.508 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

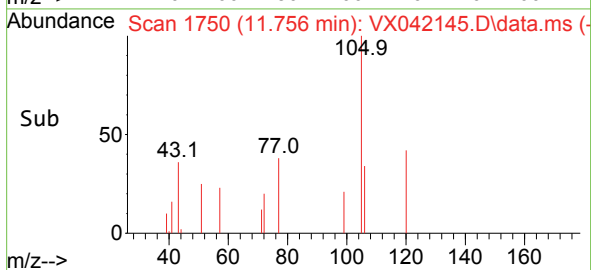
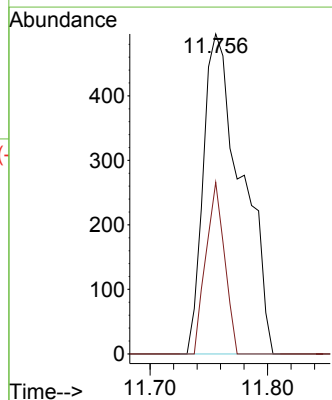
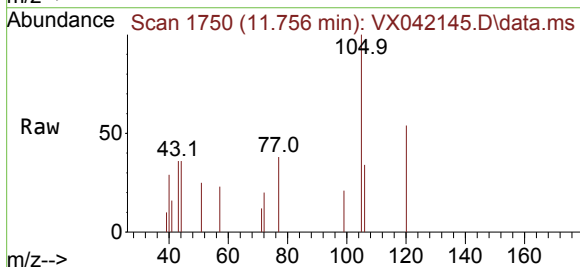
Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626

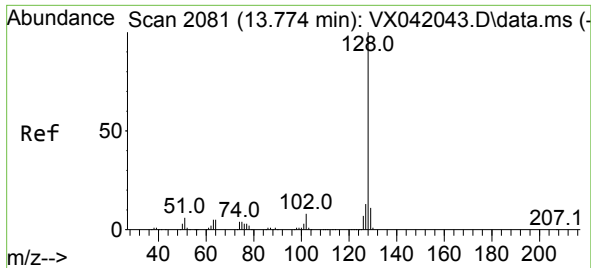
Tgt Ion: 75 Resp: 40774
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.224 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

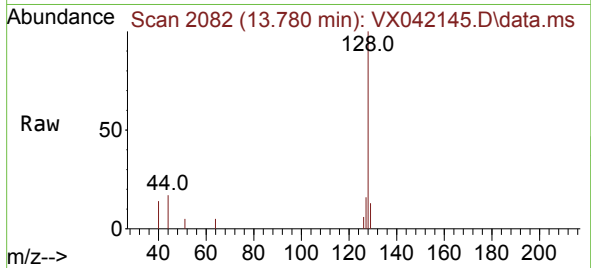
Tgt Ion: 105 Resp: 1127
Ion Ratio Lower Upper
105 100
120 26.0 21.2 63.6





#95
Naphthalene
Concen: 0.940 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042145.D
Acq: 02 Jul 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :
MW1A-20240626



Tgt Ion:	128	Resp:	1381
Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.3	15.5
129	6.7	8.8	13.2#

