

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020124\
 Data File : VX040065.D
 Acq On : 01 Feb 2024 12:53
 Operator : JC/MD
 Sample : P1312-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NWB-1999

Quant Time: Feb 02 01:39:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

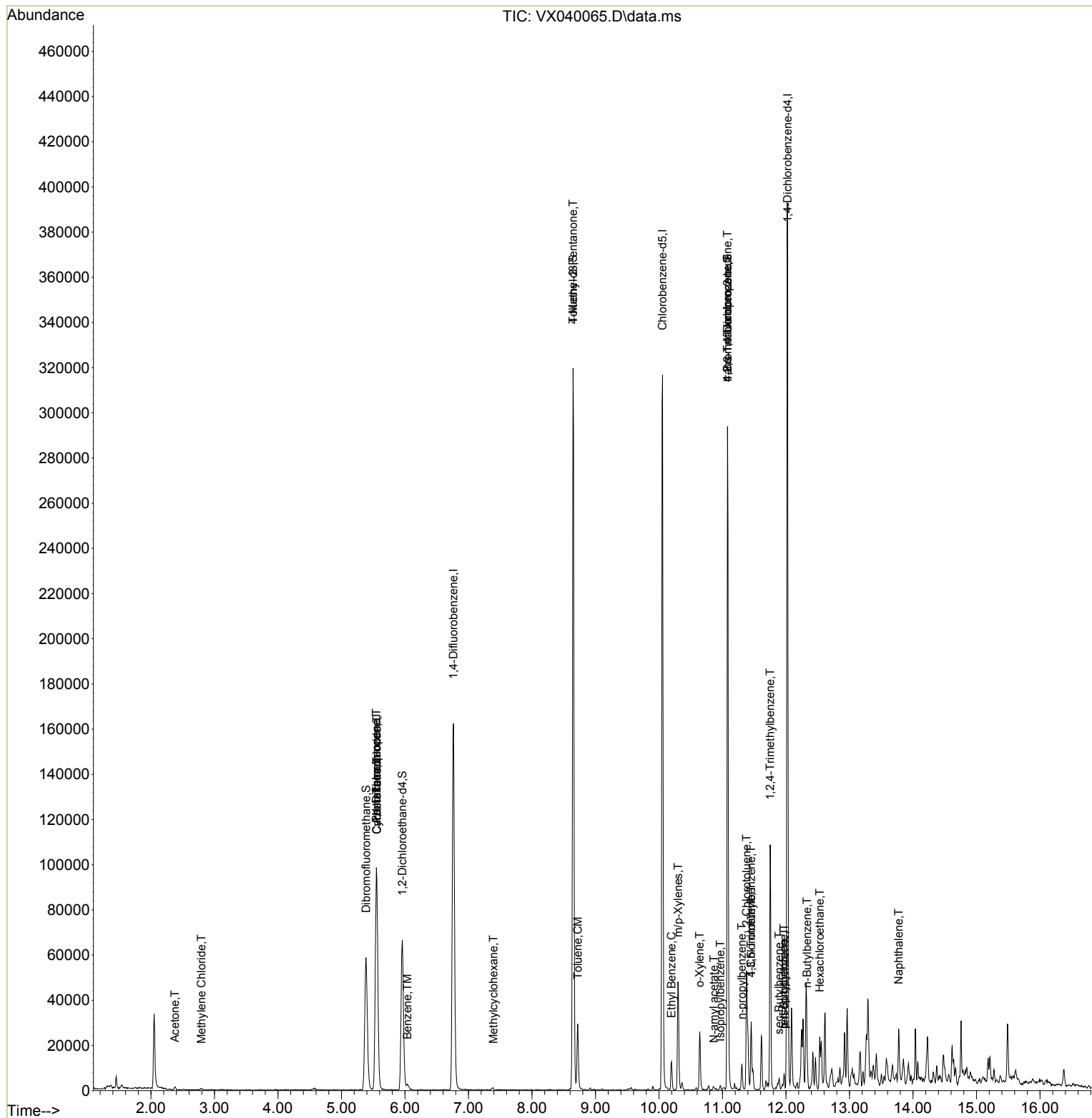
Internal Standards						
1) Pentafluorobenzene	5.550	168	86795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	163051	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62877	45.013	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.020%		
35) Dibromofluoromethane	5.385	113	49822	44.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.780%		
50) Toluene-d8	8.647	98	186273	44.876	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.760%#		
62) 4-Bromofluorobenzene	11.079	95	75771	47.407	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.820%		
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	1344	2.053	ug/l #	80
20) Methylene Chloride	2.794	84	290	0.249	ug/l	97
31) Cyclohexane	5.556	56	2184	1.248	ug/l #	53
36) 1,1-Dichloropropene	5.550	75	7375	4.594	ug/l #	52
38) Carbon Tetrachloride	5.556	117	9442	6.147	ug/l #	16
39) Methylcyclohexane	7.391	83	563	0.288	ug/l #	62
40) Benzene	6.038	78	2773	0.593	ug/l #	88
51) 4-Methyl-2-Pentanone	8.647	43	1022	0.542	ug/l #	1
52) Toluene	8.720	92	11043	3.789	ug/l	100
67) Ethyl Benzene	10.195	91	7241	1.396	ug/l	98
68) m/p-Xylenes	10.299	106	11680	5.986	ug/l	100
69) o-Xylene	10.640	106	5451	2.945	ug/l	93
73) Isopropylbenzene	10.964	105	1130	0.207	ug/l	96
74) N-amyl acetate	10.866	43	190	0.275	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	41589	25.633	ug/l #	39
78) n-propylbenzene	11.305	91	7833	1.163	ug/l	98
79) 2-Chlorotoluene	11.378	91	4940	1.219	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	12394	2.635	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	41589	75.484	ug/l #	5
82) 4-Chlorotoluene	11.451	91	1681	0.361	ug/l #	54
83) tert-Butylbenzene	11.969	119	2395	0.532	ug/l	69
84) 1,2,4-Trimethylbenzene	11.750	105	46333	9.873	ug/l	98
85) sec-Butylbenzene	11.890	105	2112	0.354	ug/l #	73
86) p-Isopropyltoluene	11.969	119	2395	0.492	ug/l	90
89) n-Butylbenzene	12.329	91	7976	1.688	ug/l #	43
90) Hexachloroethane	12.530	117	1103	1.415	ug/l #	17
95) Naphthalene	13.774	128	13799	2.648	ug/l	98

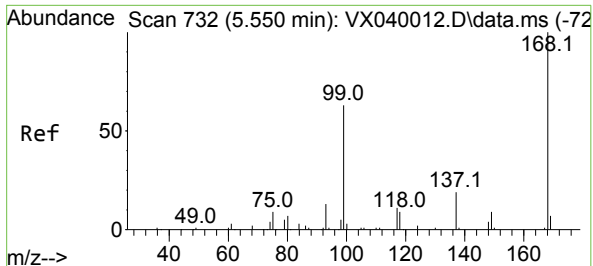
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration

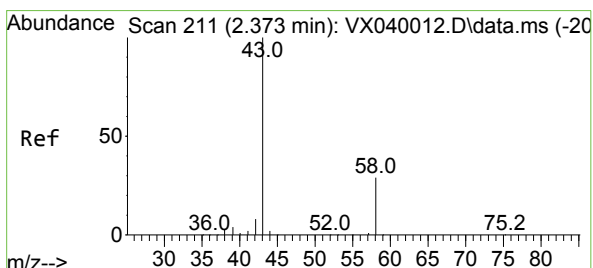
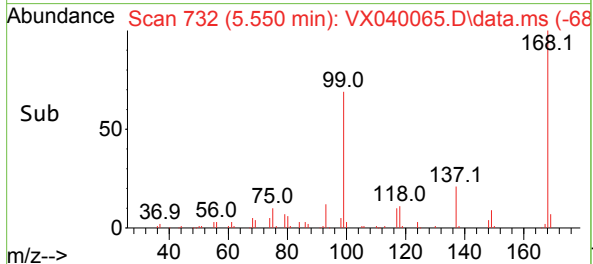
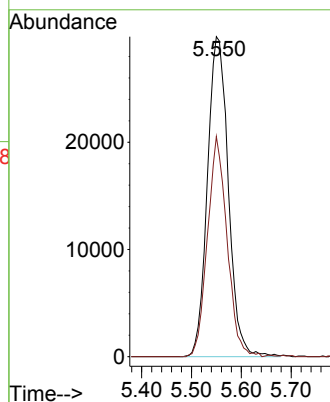
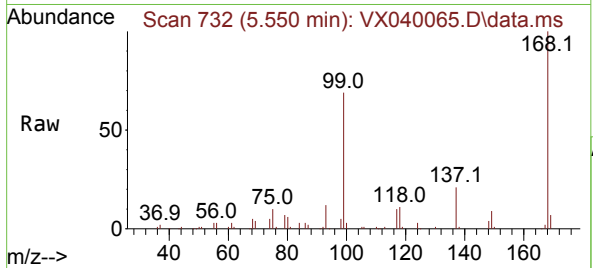




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

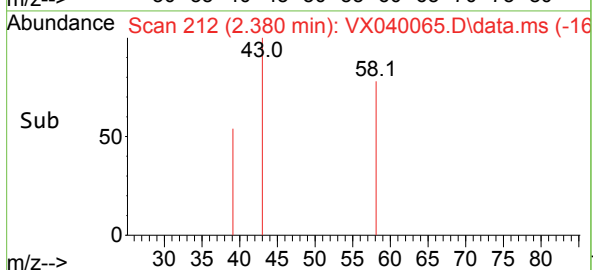
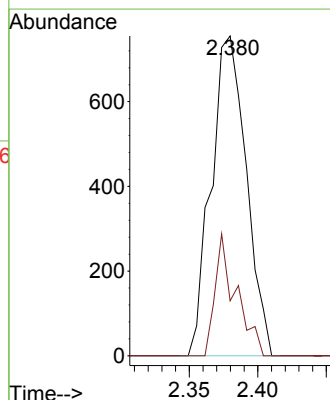
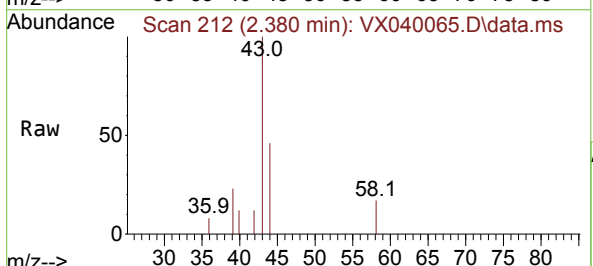
Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

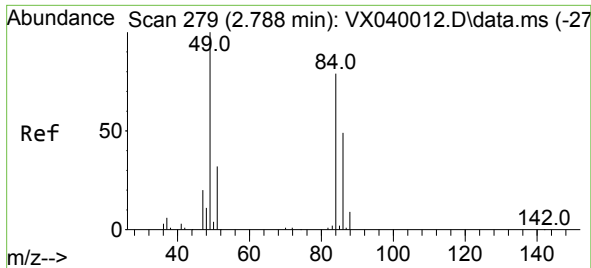
Tgt Ion:168 Resp: 86795
Ion Ratio Lower Upper
168 100
99 68.8 56.6 85.0



#16
Acetone
Concen: 2.053 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
58 17.2 21.9 32.9#



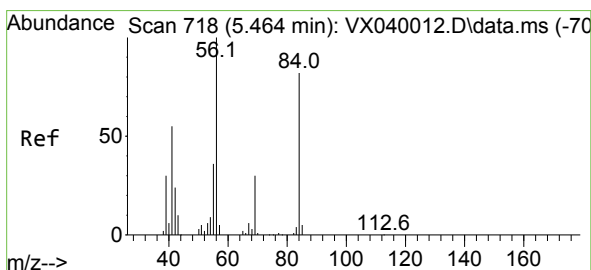
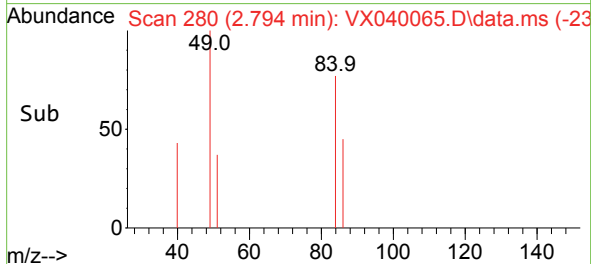
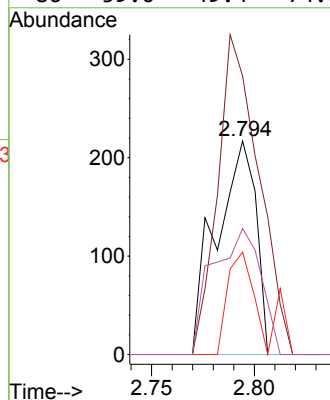
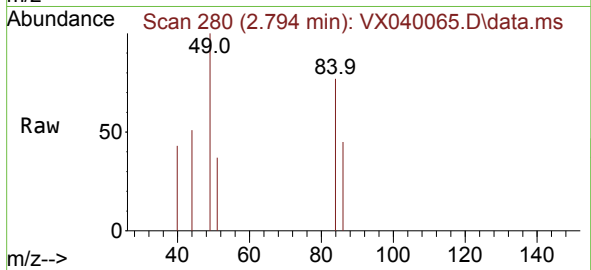


#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

Tgt Ion: 84 Resp: 290

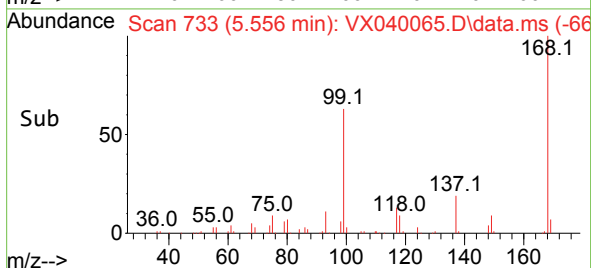
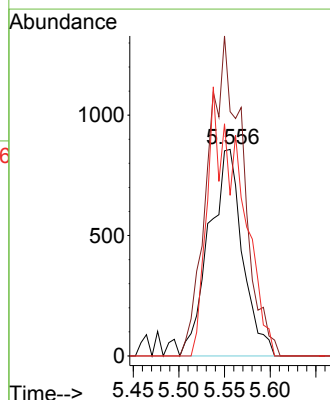
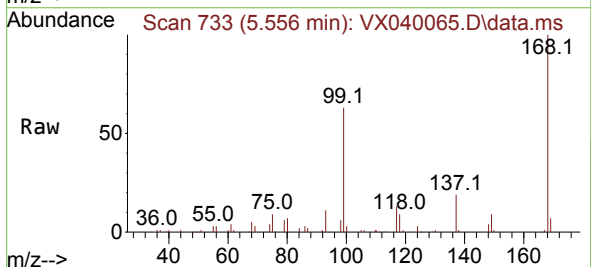
Ion	Ratio	Lower	Upper
84	100		
49	130.4	103.6	155.4
51	47.9	33.8	50.6
86	59.0	49.4	74.0

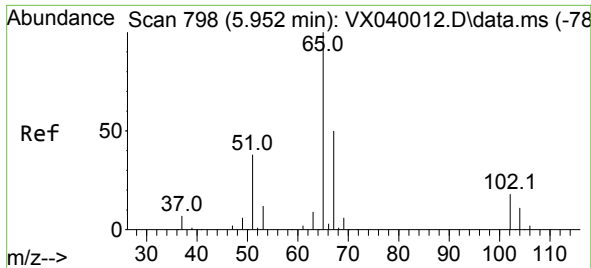


#31
Cyclohexane
Concen: 1.248 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.092 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 56 Resp: 2184

Ion	Ratio	Lower	Upper
56	100		
69	118.3	23.4	35.2#
84	77.7	65.9	98.9

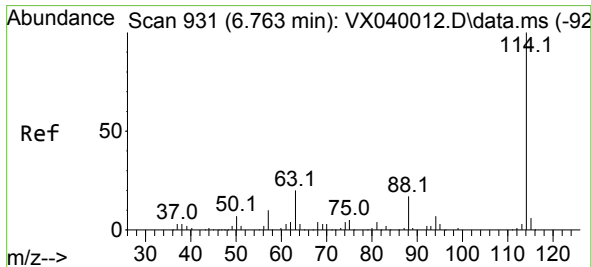
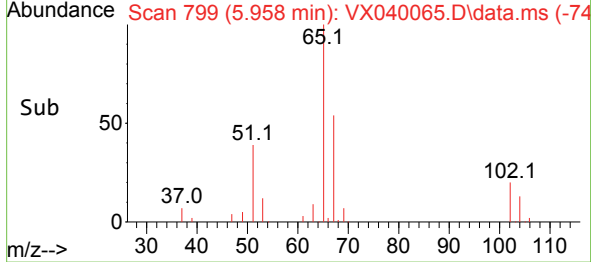
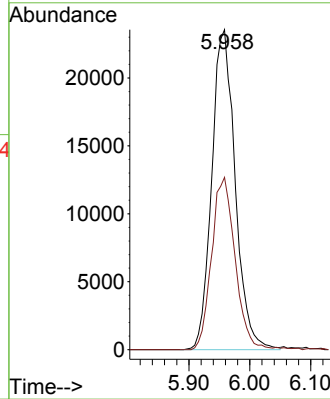
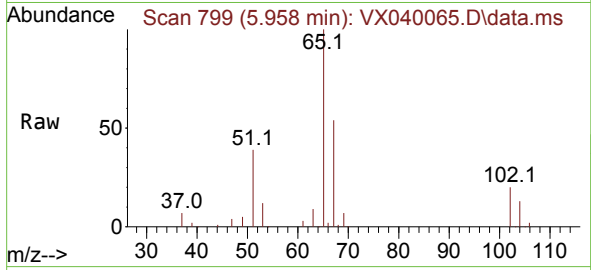




#33
1,2-Dichloroethane-d4
Concen: 45.013 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

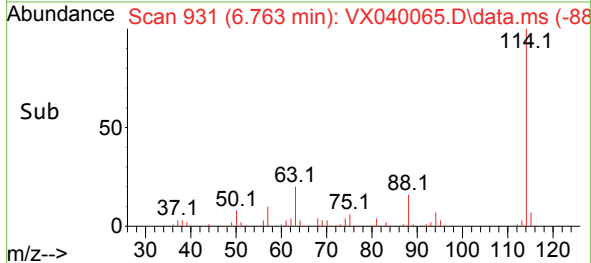
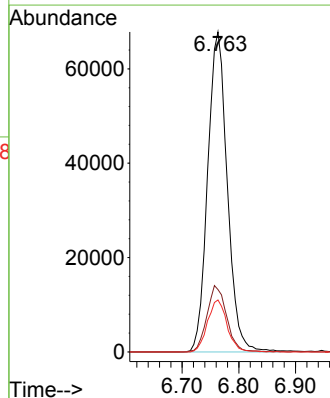
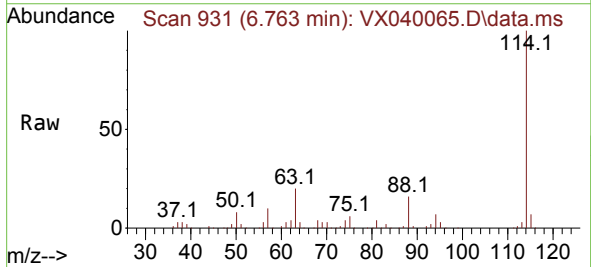
Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

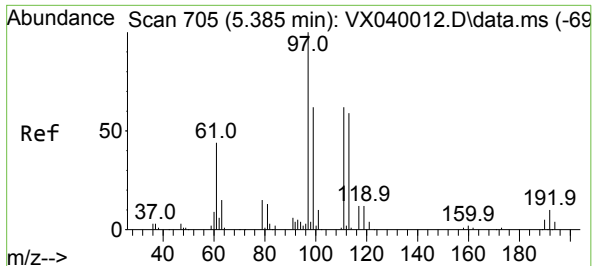
Tgt Ion: 65 Resp: 62877
Ion Ratio Lower Upper
65 100
67 53.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 114 Resp: 163051
Ion Ratio Lower Upper
114 100
63 19.5 0.0 45.0
88 16.2 0.0 36.6

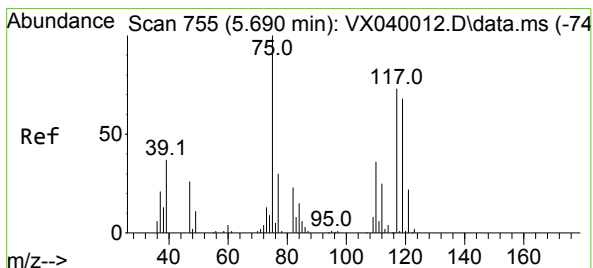
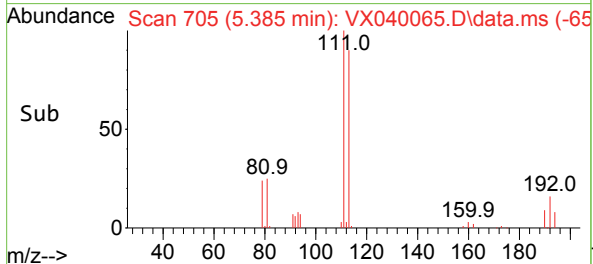
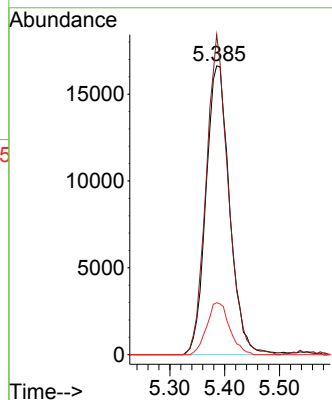
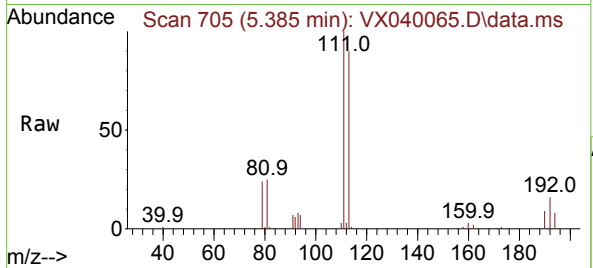




#35
Dibromofluoromethane
Concen: 44.887 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

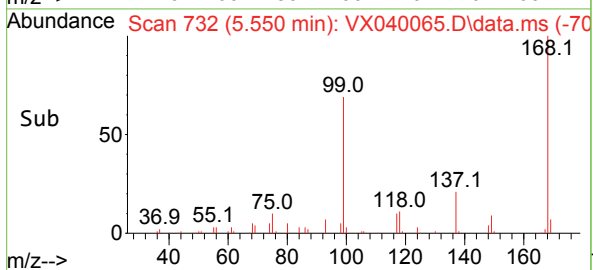
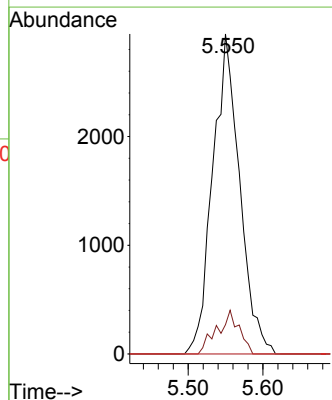
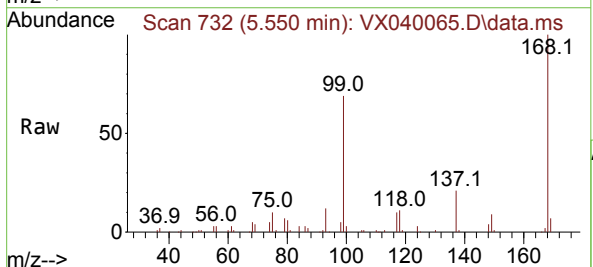
Instrument :
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NWB-1999

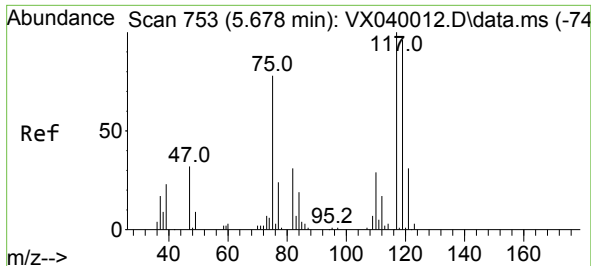
Tgt Ion:113 Resp: 49822
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.594 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

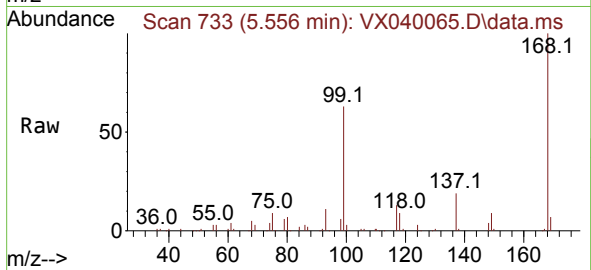
Tgt Ion: 75 Resp: 7375
Ion Ratio Lower Upper
75 100
110 11.2 17.0 50.9#
77 0.0 24.7 37.1#



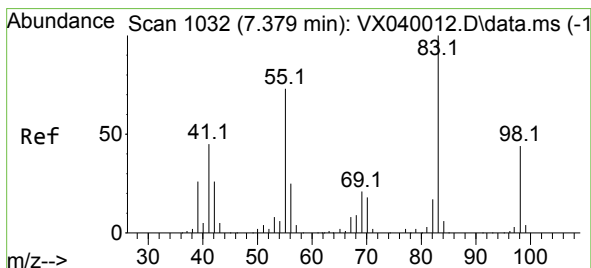
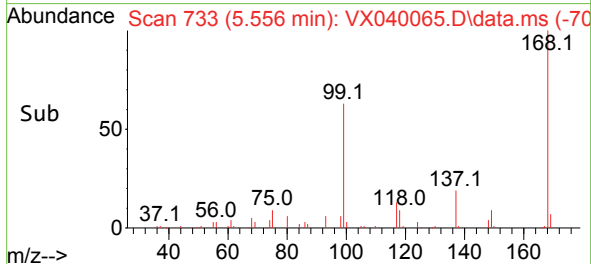
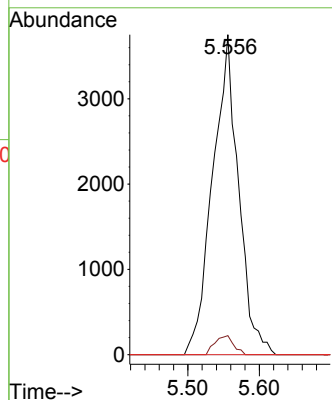


#38
Carbon Tetrachloride
Concen: 6.147 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

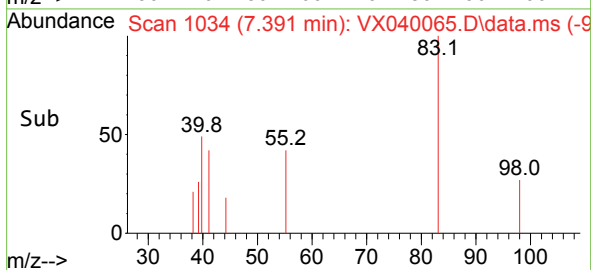
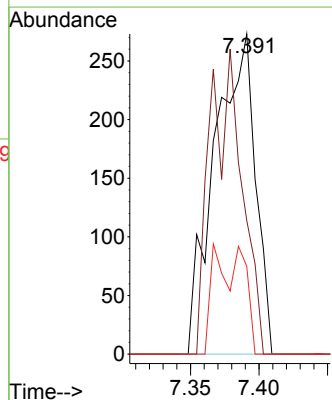
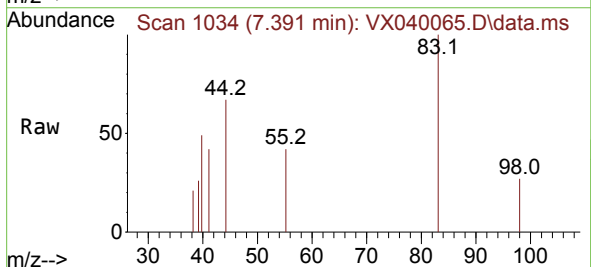


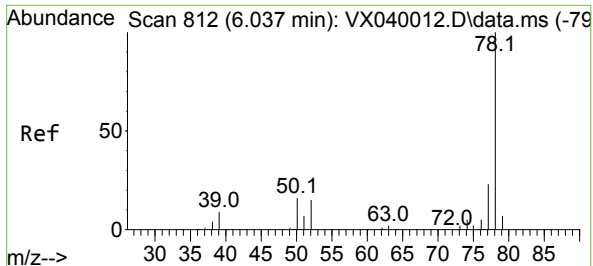
Tgt Ion:117 Resp: 9442
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.288 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.012 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 83 Resp: 563
Ion Ratio Lower Upper
83 100
55 41.8 64.6 97.0#
98 27.5 36.7 55.1#

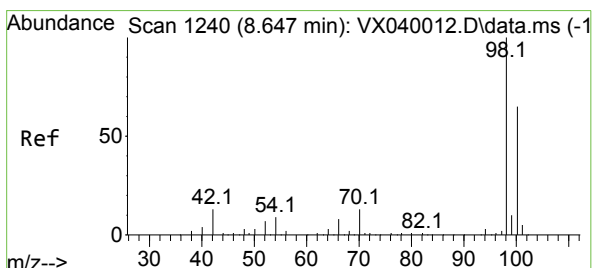
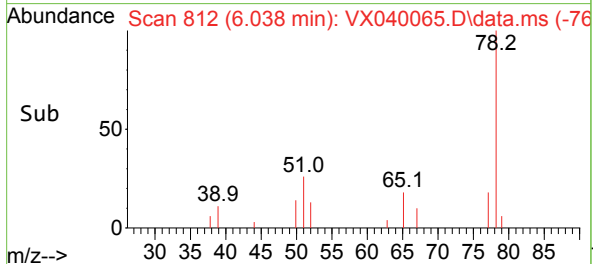
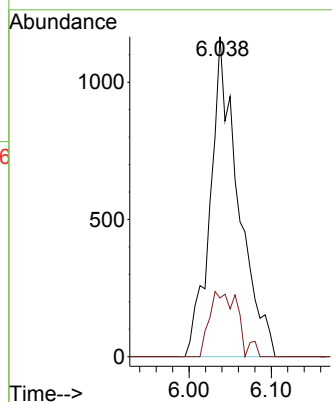
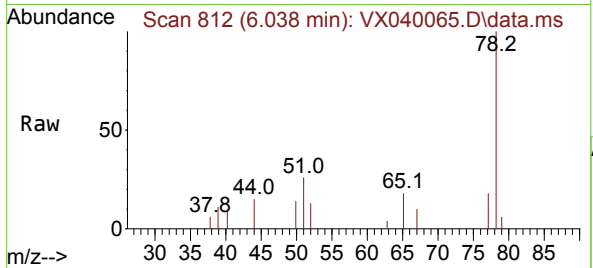




#40
Benzene
Concen: 0.593 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

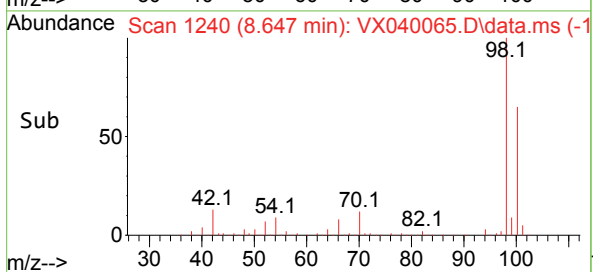
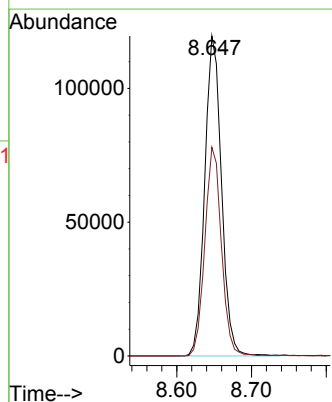
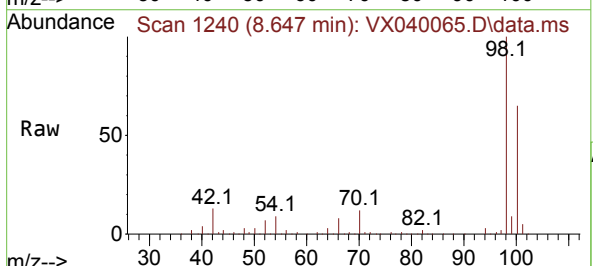
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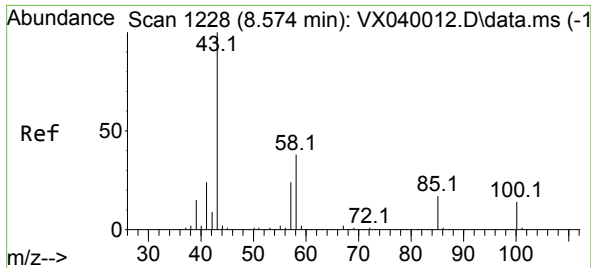
Tgt Ion: 78 Resp: 2773
Ion Ratio Lower Upper
78 100
77 18.4 19.3 28.9#



#50
Toluene-d8
Concen: 44.876 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 98 Resp: 186273
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7

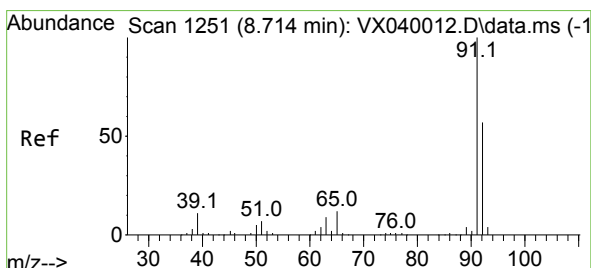
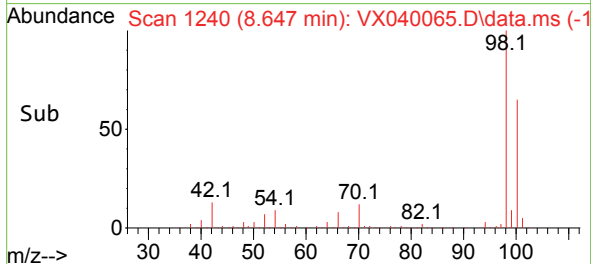
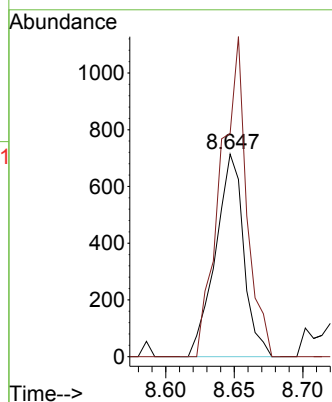
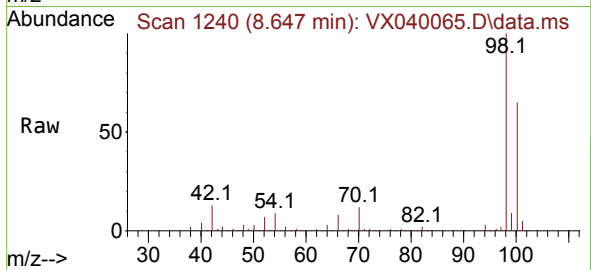




#51
4-Methyl-2-Pentanone
Concen: 0.542 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

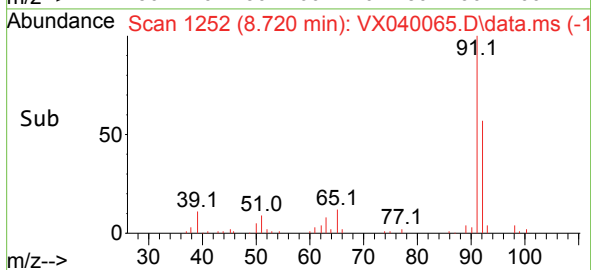
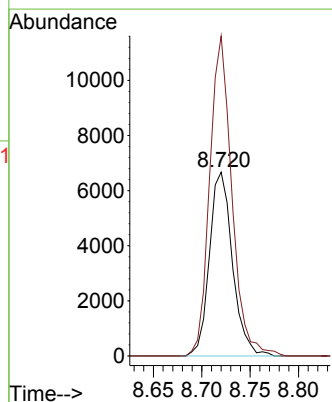
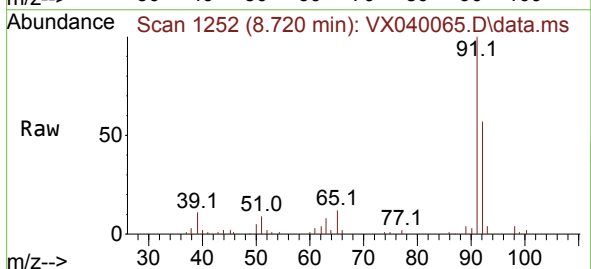
Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

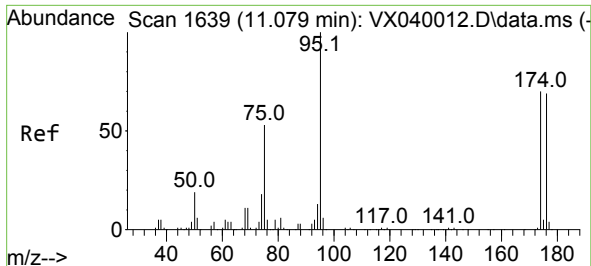
Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
58 146.9 30.4 45.6#



#52
Toluene
Concen: 3.789 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 92 Resp: 11043
Ion Ratio Lower Upper
92 100
91 167.4 134.2 201.2

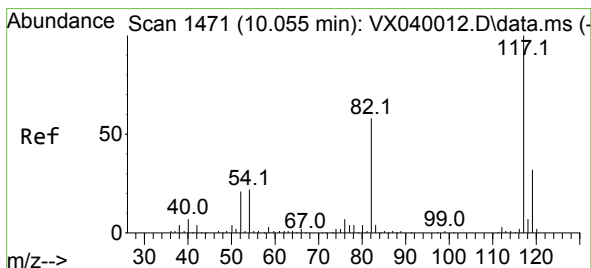
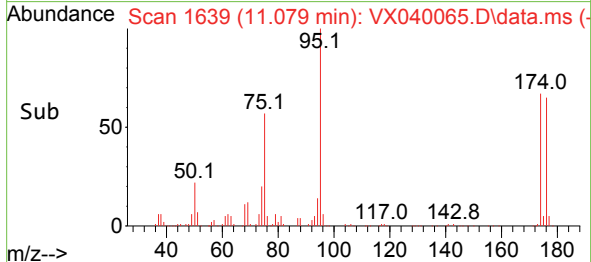
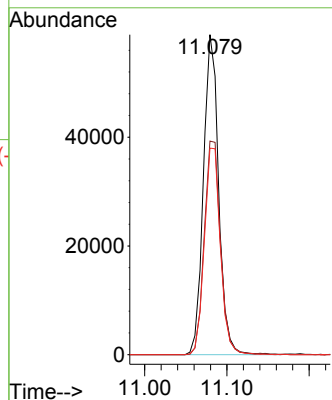
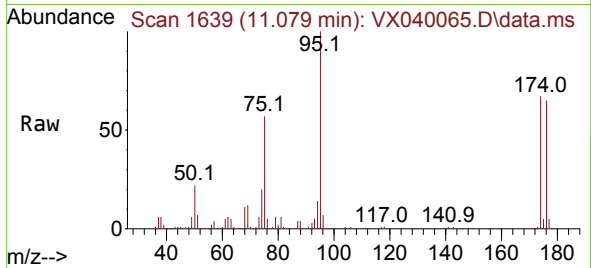




#62
4-Bromofluorobenzene
Concen: 47.407 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

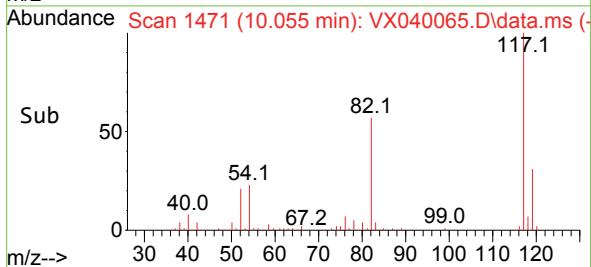
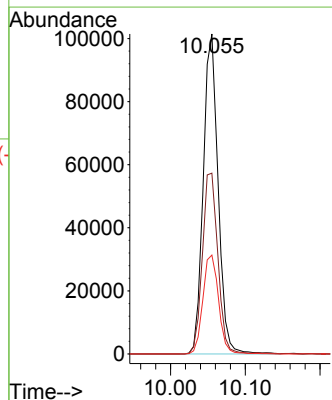
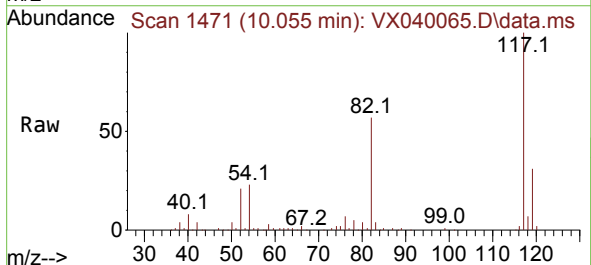
Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

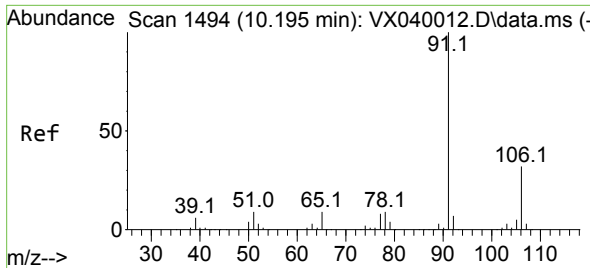
Tgt Ion: 95 Resp: 75771
Ion Ratio Lower Upper
95 100
174 70.9 0.0 135.6
176 68.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 117 Resp: 139851
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 30.9 25.5 38.3

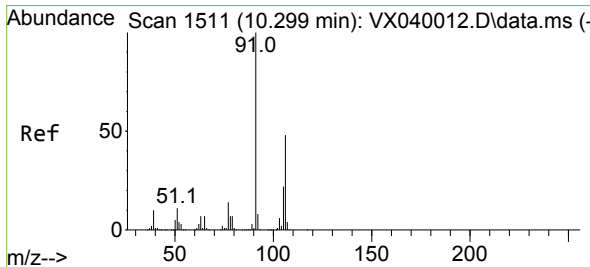
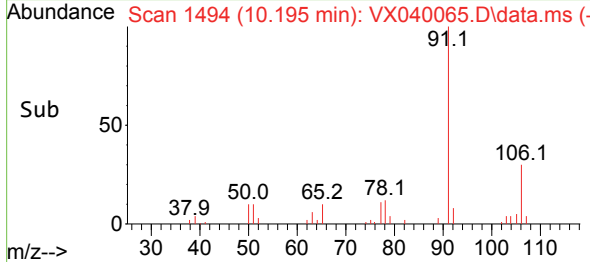
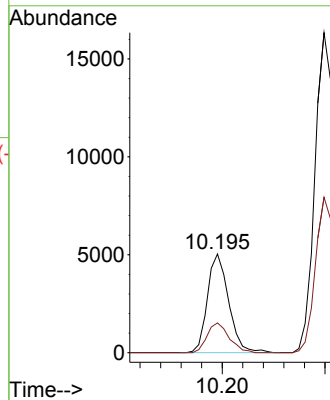
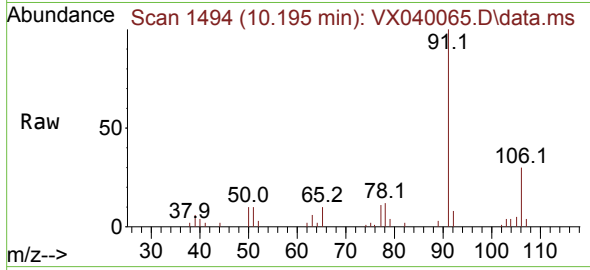




#67
Ethyl Benzene
Concen: 1.396 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

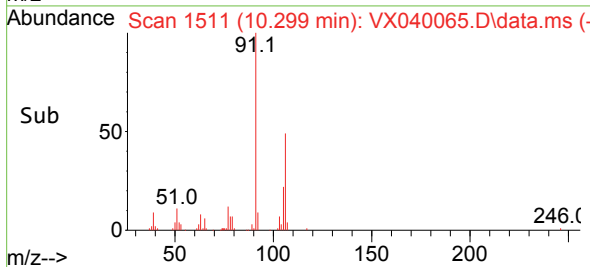
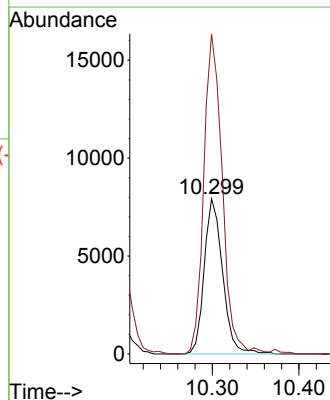
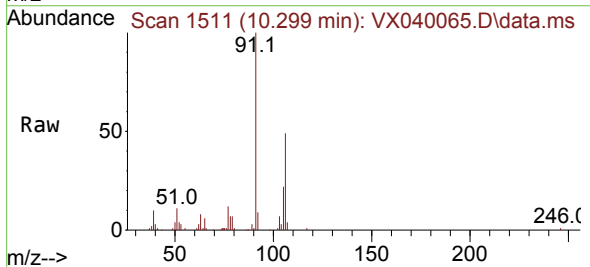
Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

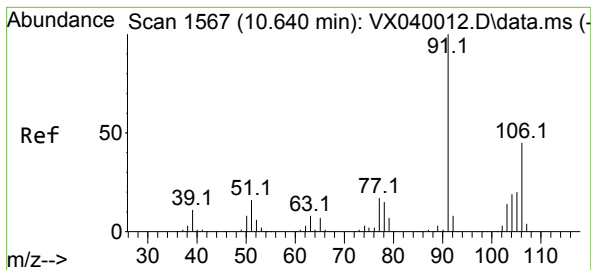
Tgt Ion: 91 Resp: 7241
Ion Ratio Lower Upper
91 100
106 30.1 24.9 37.3



#68
m/p-Xylenes
Concen: 5.986 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 106 Resp: 11680
Ion Ratio Lower Upper
106 100
91 207.6 165.5 248.3





#69

o-Xylene

Concen: 2.945 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040065.D

Acq: 01 Feb 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

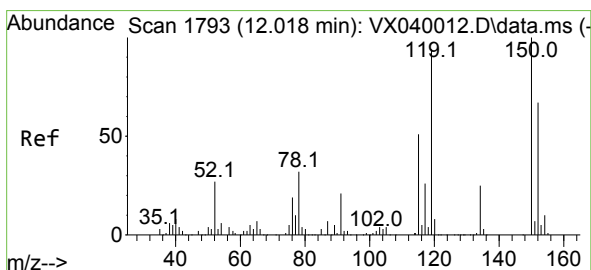
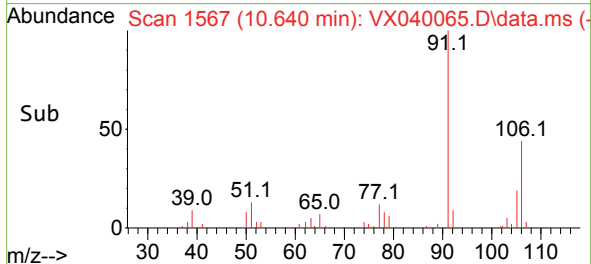
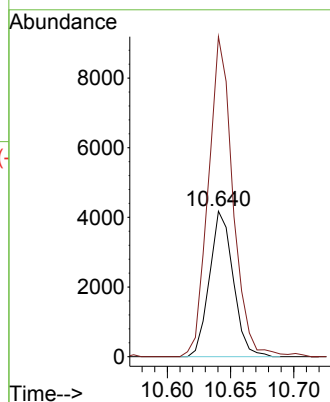
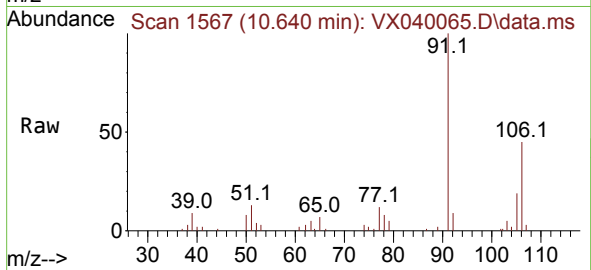
NWB-1999

Tgt Ion:106 Resp: 5451

Ion Ratio Lower Upper

106 100

91 228.6 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX040065.D

Acq: 01 Feb 2024 12:53

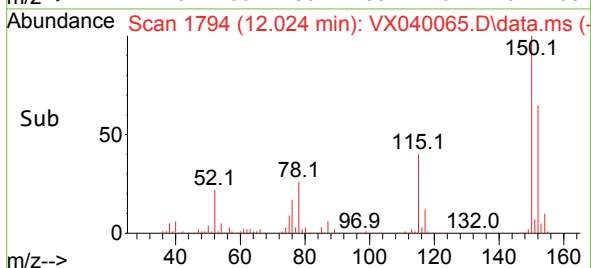
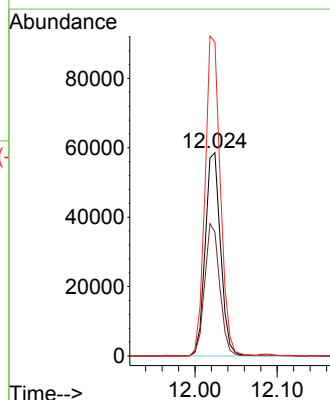
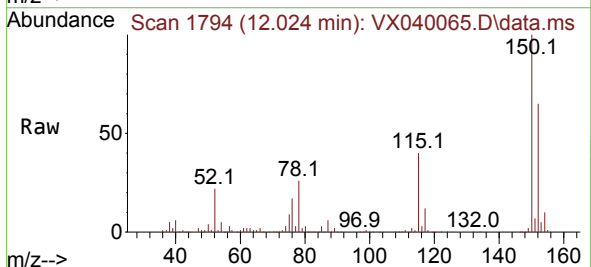
Tgt Ion:152 Resp: 76190

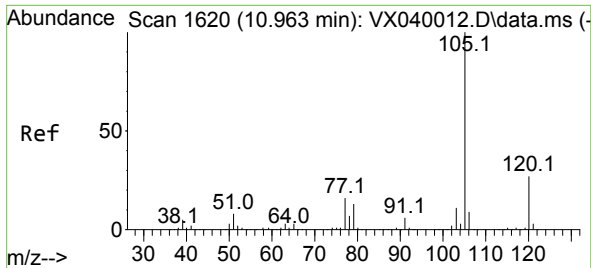
Ion Ratio Lower Upper

152 100

115 63.7 43.3 129.9

150 156.9 0.0 345.0

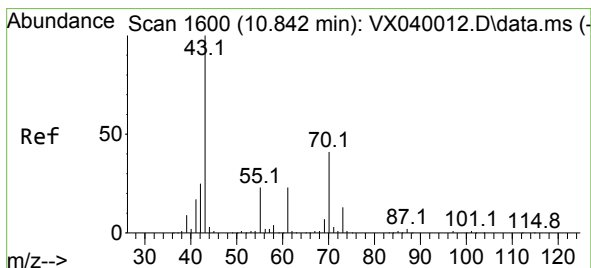
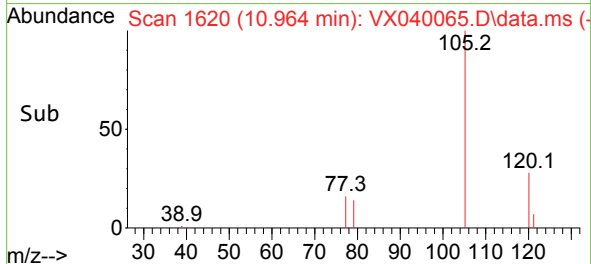
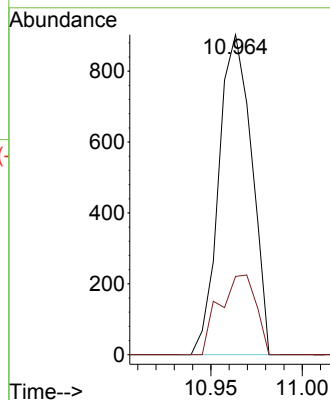
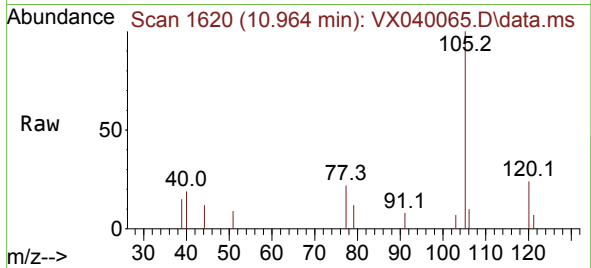




#73
Isopropylbenzene
Concen: 0.207 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

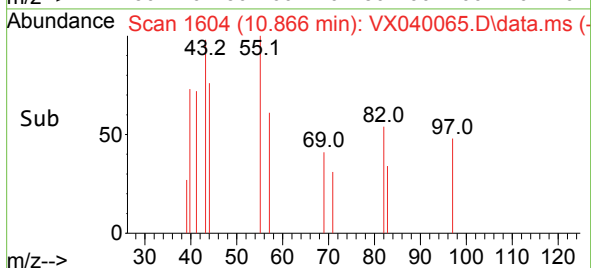
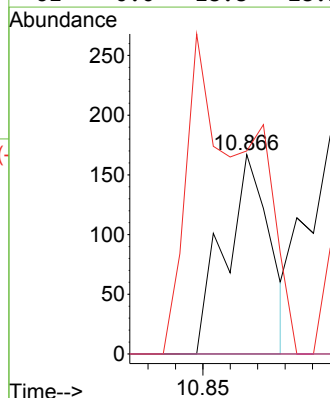
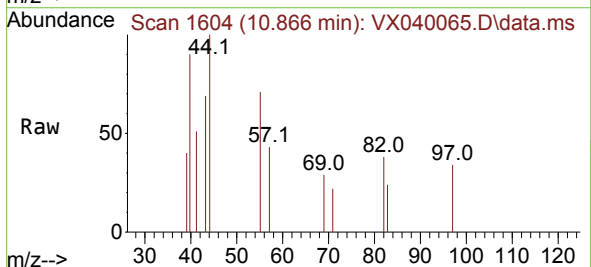
Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

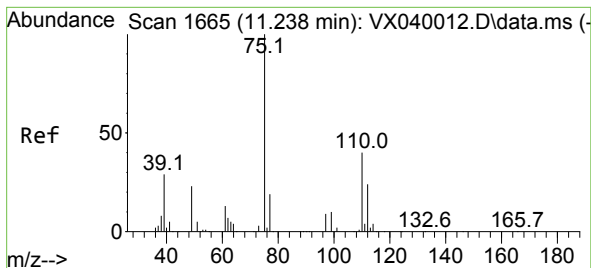
Tgt Ion:105 Resp: 1130
Ion Ratio Lower Upper
105 100
120 27.8 12.9 38.6



#74
N-ethyl acetate
Concen: 0.275 ug/l
RT: 10.866 min Scan# 1604
Delta R.T. 0.024 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 43 Resp: 190
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 218.9 19.3 28.9#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.633 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX040065.D

Acq: 01 Feb 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

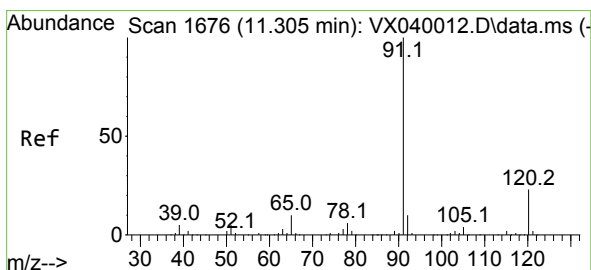
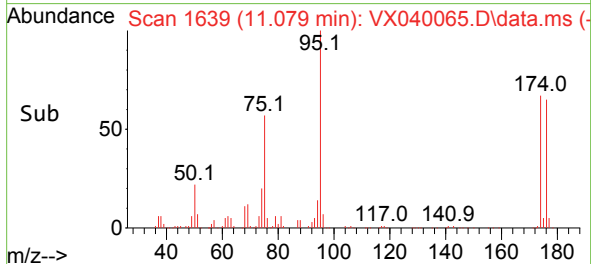
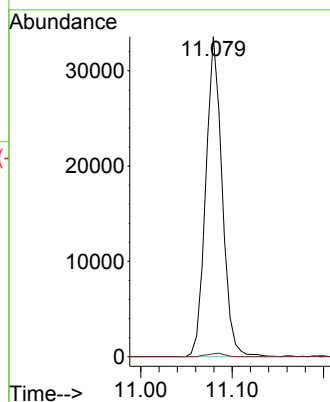
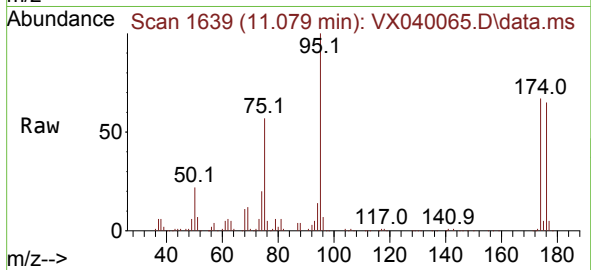
NWB-1999

Tgt Ion: 75 Resp: 41589

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#78

n-propylbenzene

Concen: 1.163 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX040065.D

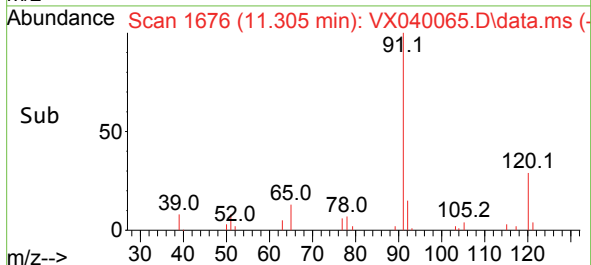
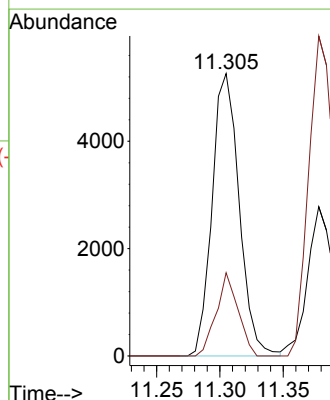
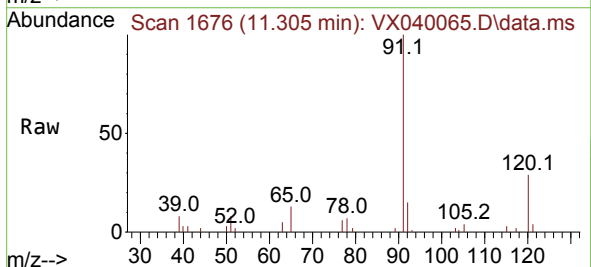
Acq: 01 Feb 2024 12:53

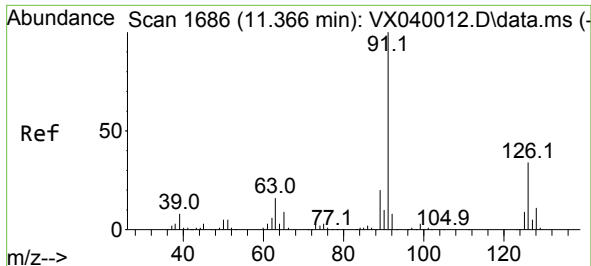
Tgt Ion: 91 Resp: 7833

Ion Ratio Lower Upper

91 100

120 23.7 11.5 34.4

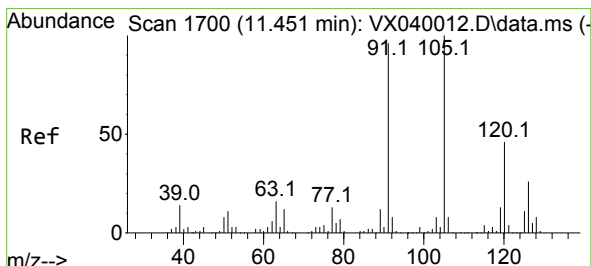
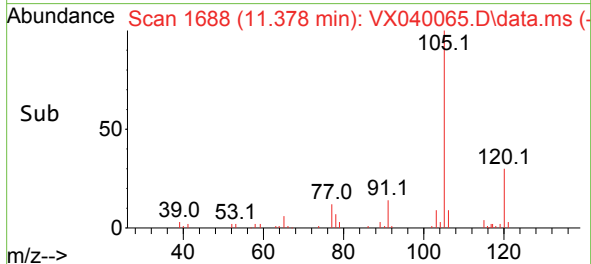
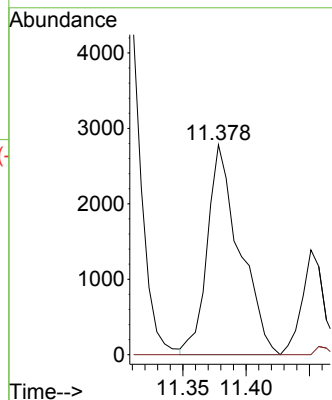
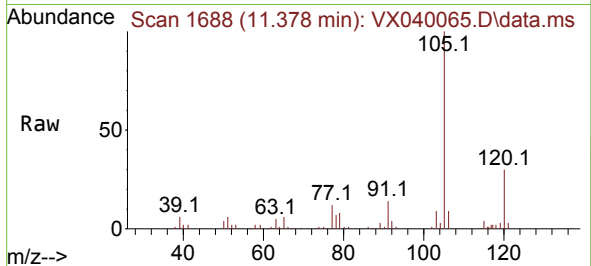




#79
2-Chlorotoluene
Concen: 1.219 ug/l
RT: 11.378 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

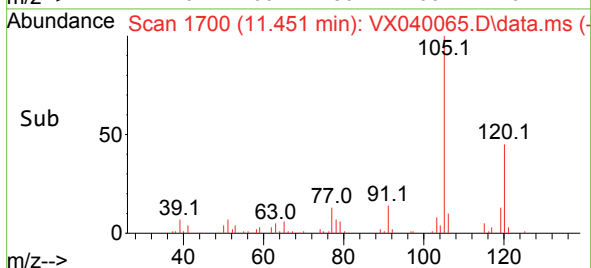
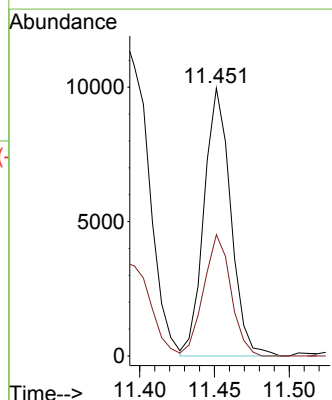
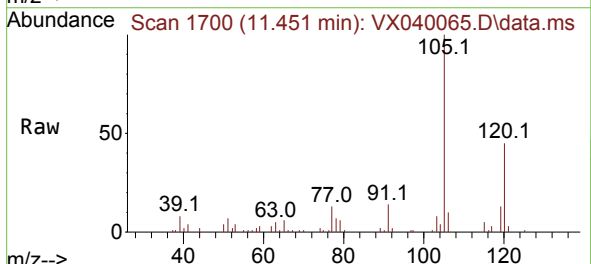
Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

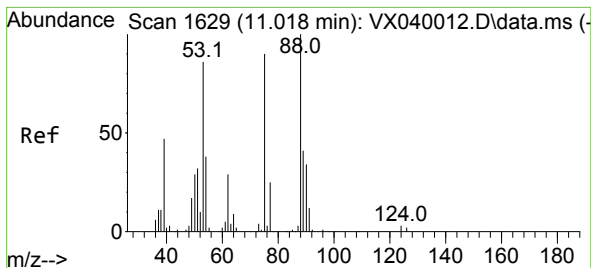
Tgt Ion: 91 Resp: 4940
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



#80
1,3,5-Trimethylbenzene
Concen: 2.635 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 105 Resp: 12394
Ion Ratio Lower Upper
105 100
120 46.1 24.1 72.3

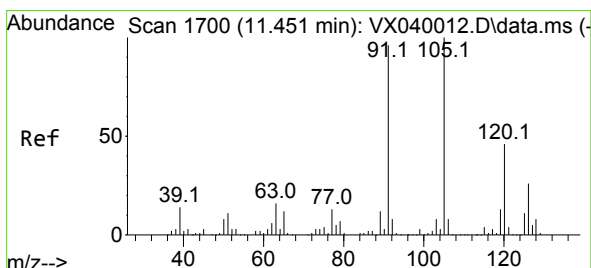
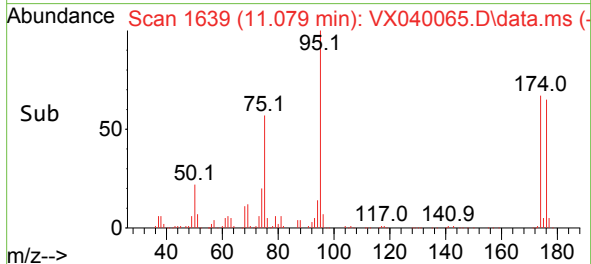
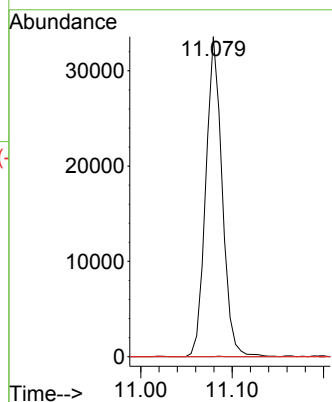
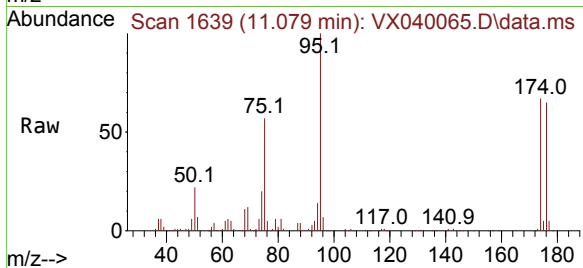




#81
trans-1,4-Dichloro-2-butene
Concen: 75.484 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

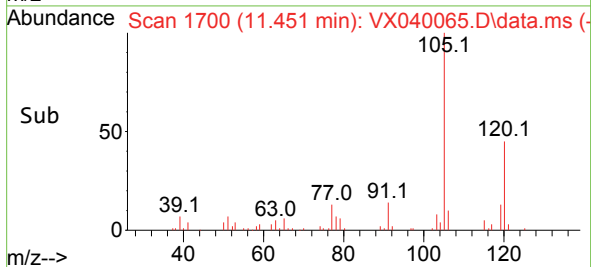
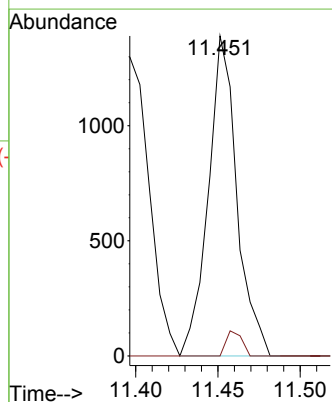
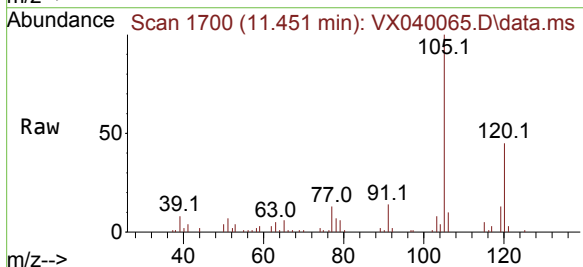
Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

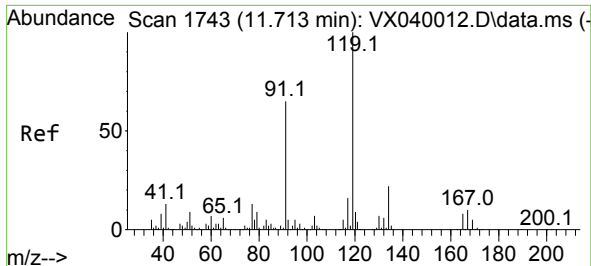
Tgt Ion: 75 Resp: 41589
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.361 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion: 91 Resp: 1681
Ion Ratio Lower Upper
91 100
126 4.3 14.2 42.6#

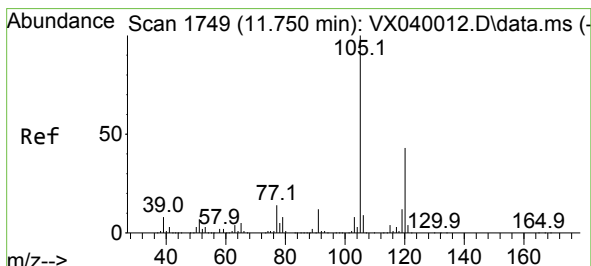
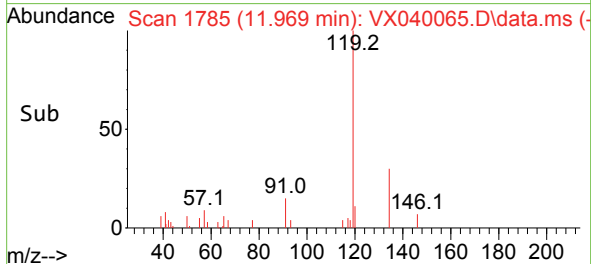
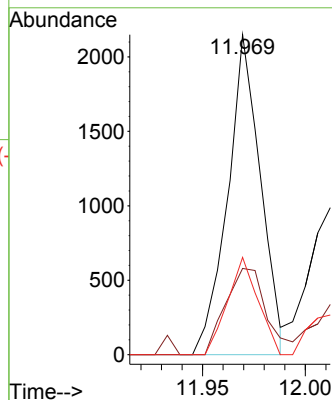
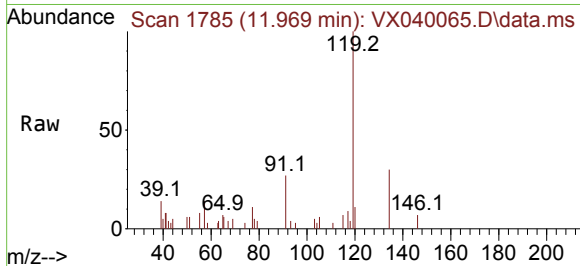




#83
tert-Butylbenzene
Concen: 0.532 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.256 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

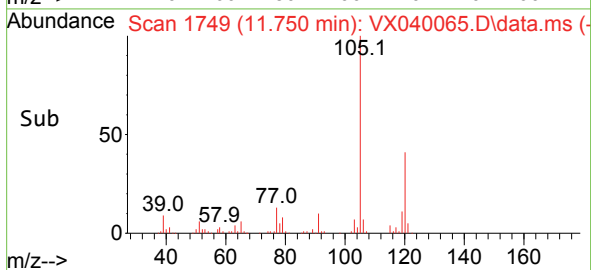
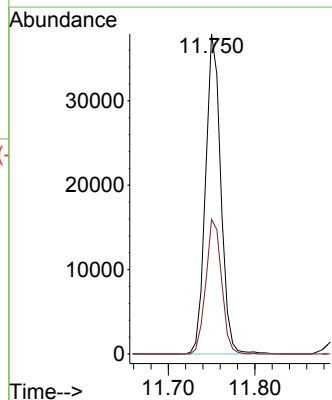
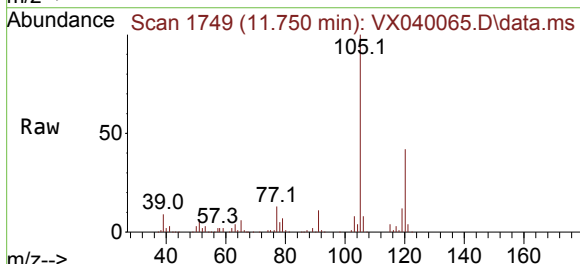
Instrument :
MSVOA_X
ClientSampleId :
NWB-1999

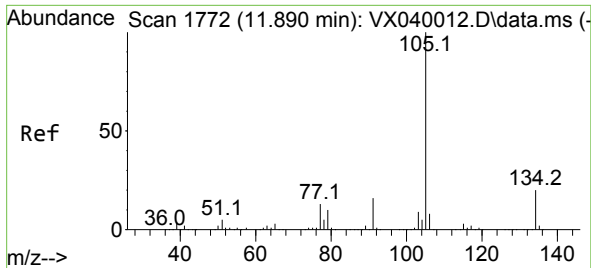
Tgt Ion:119 Resp: 2395
Ion Ratio Lower Upper
119 100
91 32.4 31.2 93.6
134 28.4 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 9.873 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Tgt Ion:105 Resp: 46333
Ion Ratio Lower Upper
105 100
120 43.4 21.2 63.6

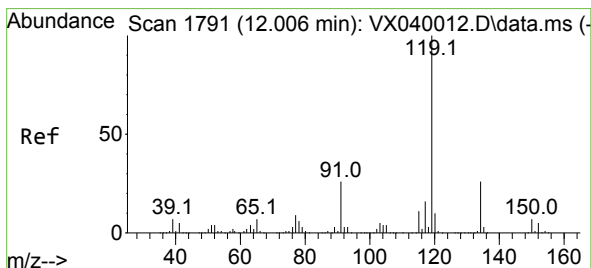
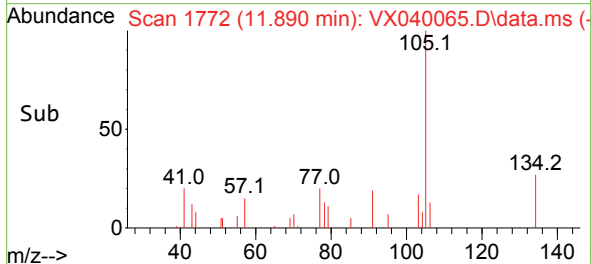
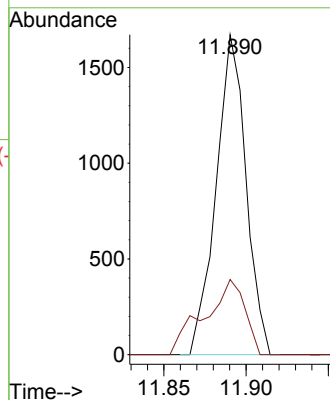
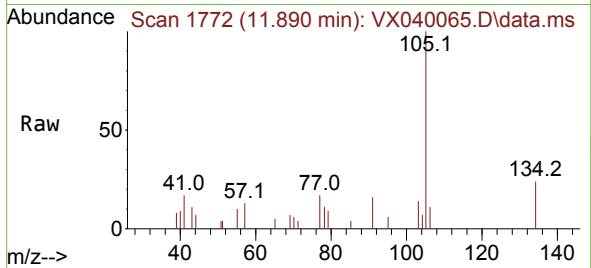




#85
 sec-Butylbenzene
 Concen: 0.354 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX040065.D
 Acq: 01 Feb 2024 12:53

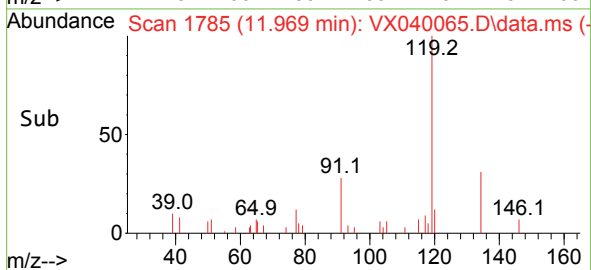
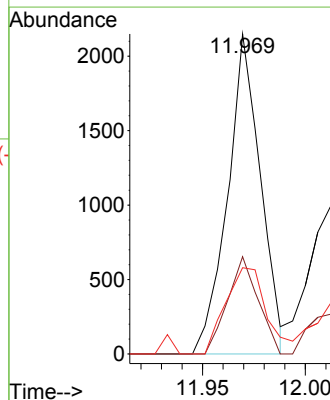
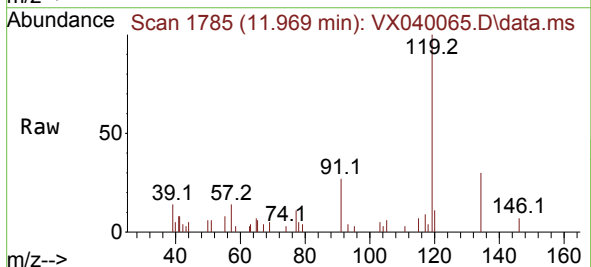
Instrument :
 MSVOA_X
 ClientSampleId :
 NWB-1999

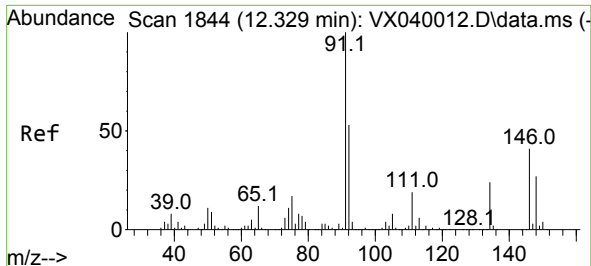
Tgt Ion:105 Resp: 2112
 Ion Ratio Lower Upper
 105 100
 134 31.8 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 0.492 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.036 min
 Lab File: VX040065.D
 Acq: 01 Feb 2024 12:53

Tgt Ion:119 Resp: 2395
 Ion Ratio Lower Upper
 119 100
 134 28.4 12.8 38.3
 91 33.7 13.1 39.3





#89

n-Butylbenzene

Concen: 1.688 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX040065.D

Acq: 01 Feb 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

NWB-1999

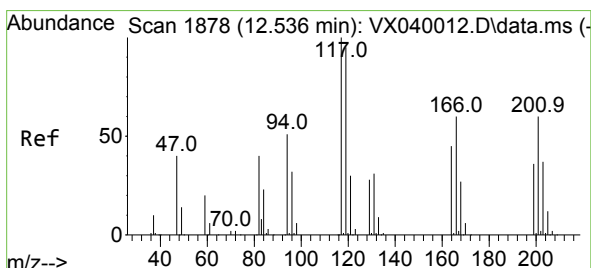
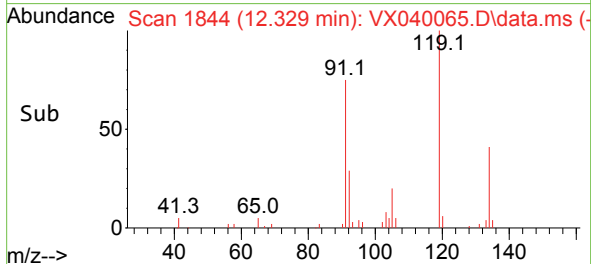
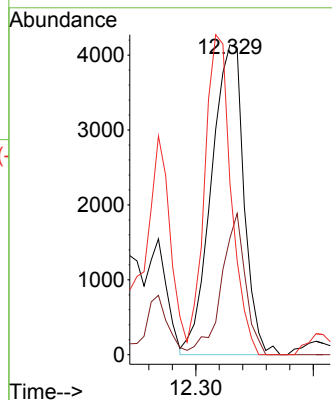
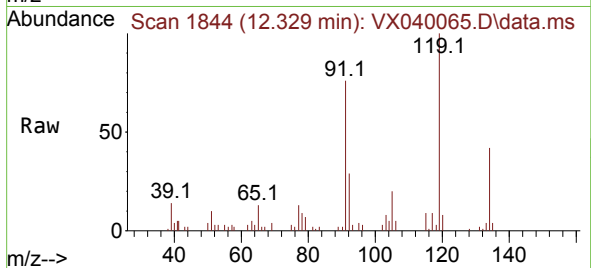
Tgt Ion: 91 Resp: 7976

Ion Ratio Lower Upper

91 100

92 33.5 27.4 82.0

134 83.9 12.6 37.8#



#90

Hexachloroethane

Concen: 1.415 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.006 min

Lab File: VX040065.D

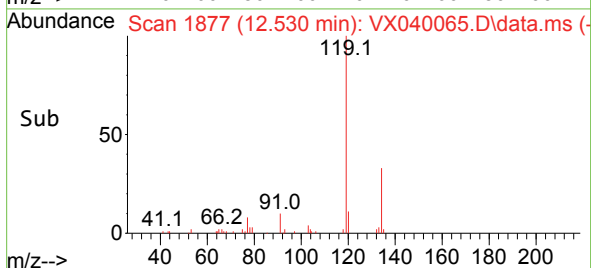
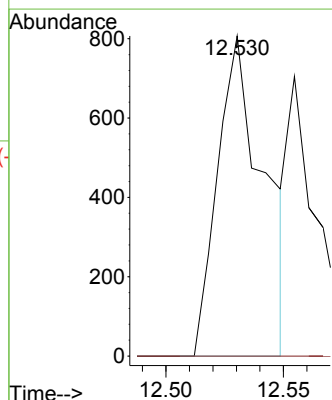
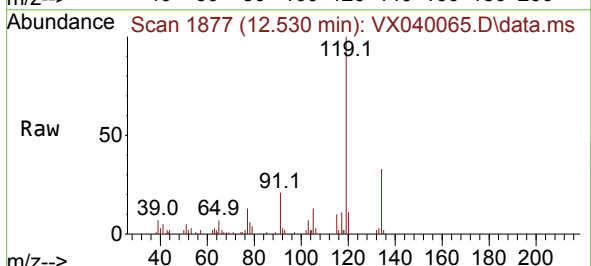
Acq: 01 Feb 2024 12:53

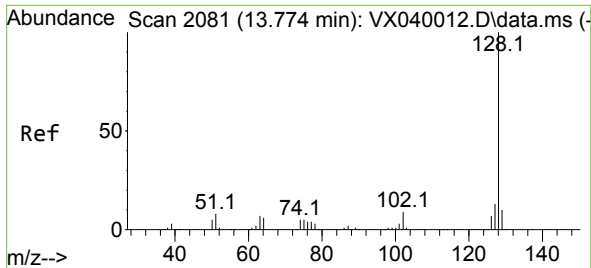
Tgt Ion: 117 Resp: 1103

Ion Ratio Lower Upper

117 100

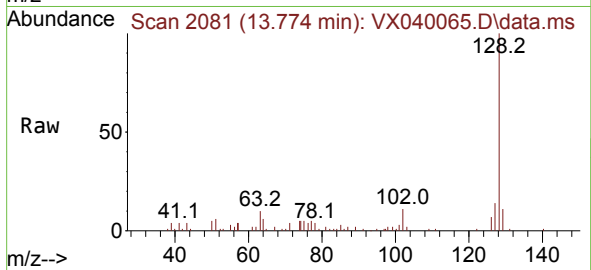
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 2.648 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX040065.D
Acq: 01 Feb 2024 12:53

Instrument :
MSVOA_X
ClientSampleId :
NWB-1999



Tgt Ion:	128	Resp:	13799
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	12.2	8.8	13.2

