

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042224\
 Data File : VX041201.D
 Acq On : 22 Apr 2024 19:38
 Operator : JC/MD
 Sample : P2186-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NWB-2030

Quant Time: Apr 23 05:41:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

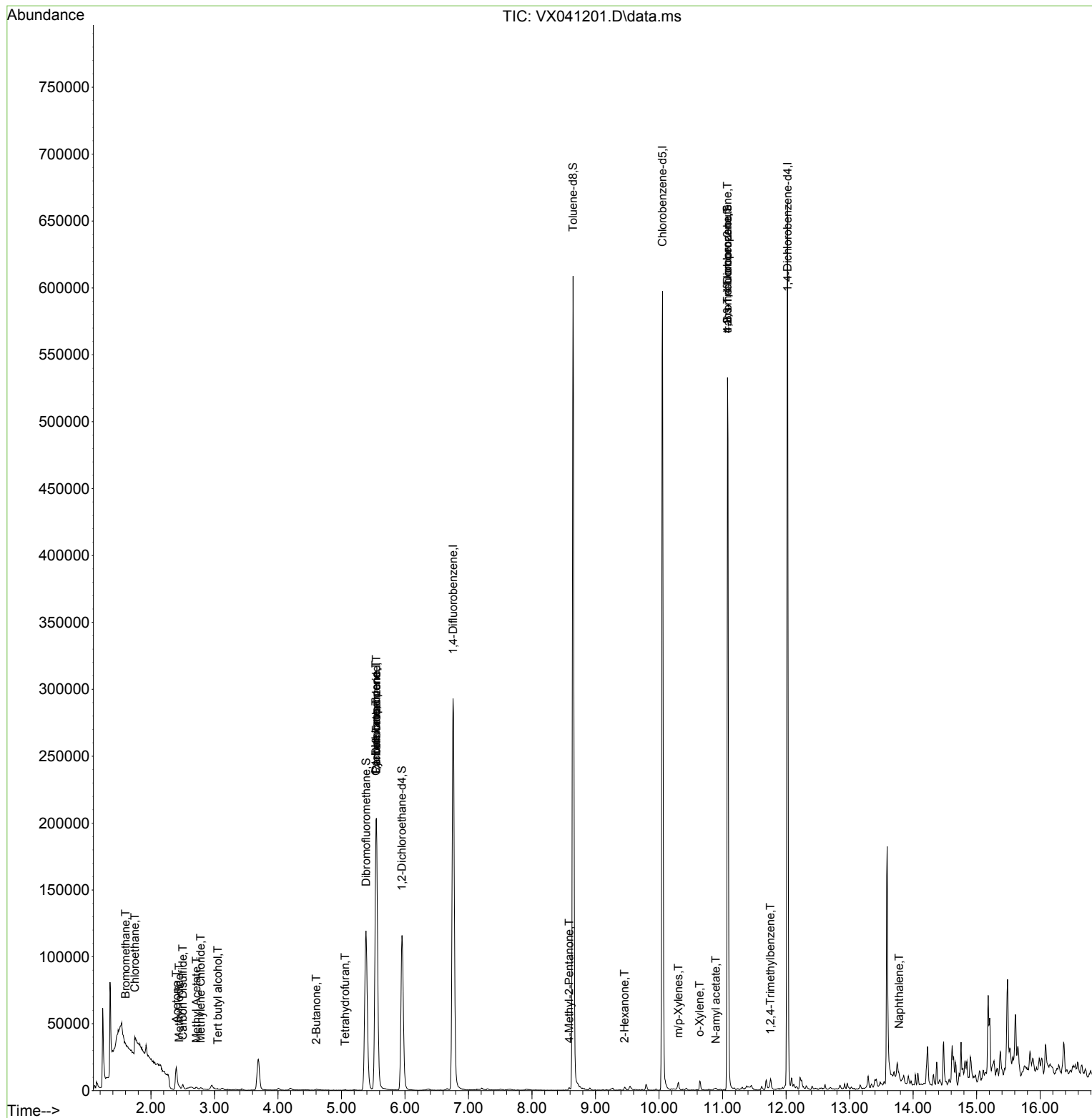
Internal Standards						
1) Pentafluorobenzene	5.550	168	230123	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	333776	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115192	52.585	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.160%			
35) Dibromofluoromethane	5.385	113	104827	51.631	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.260%			
50) Toluene-d8	8.647	98	379026	55.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.660%			
62) 4-Bromofluorobenzene	11.079	95	139445	55.152	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.300%			
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	569	0.513	ug/l	# 80
6) Chloroethane	1.746	64	5840	7.801	ug/l	# 55
10) Methyl Iodide	2.447	142	1352	0.624	ug/l	# 86
11) Tert butyl alcohol	3.050	59	426	1.086	ug/l	# 95
16) Acetone	2.398	43	22855	28.663	ug/l	94
17) Carbon Disulfide	2.501	76	5480	1.564	ug/l	# 89
18) Methyl Acetate	2.715	43	1613	0.684	ug/l	92
20) Methylene Chloride	2.782	84	622	0.319	ug/l	# 71
25) 2-Butanone	4.605	43	1821	1.337	ug/l	# 87
29) Tetrahydrofuran	5.056	42	211	0.227	ug/l	# 58
31) Cyclohexane	5.544	56	3370	1.143	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	12784	4.921	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	18985	6.543	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.586	43	1491	0.519	ug/l	97
59) 2-Hexanone	9.458	43	722	0.328	ug/l	85
68) m/p-Xylenes	10.305	106	1569	0.386	ug/l	93
69) o-Xylene	10.640	106	2033	0.514	ug/l	80
74) N-amyl acetate	10.896	43	1129	0.293	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	66018	26.041	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	66018	73.469	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	2870	0.355	ug/l	85
95) Naphthalene	13.780	128	3144	0.308	ug/l	99

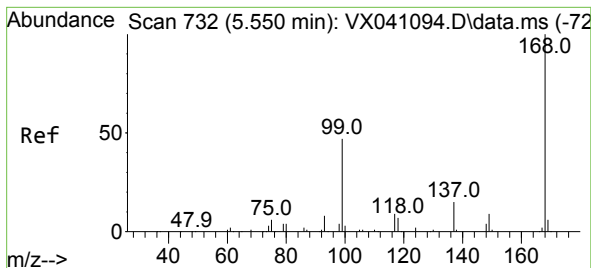
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX041201.D

Acq: 22 Apr 2024 19:38

Instrument :

MSVOA_X

ClientSampleId :

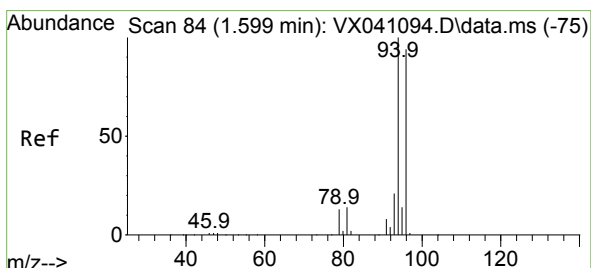
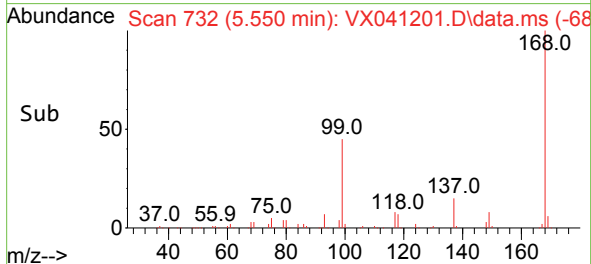
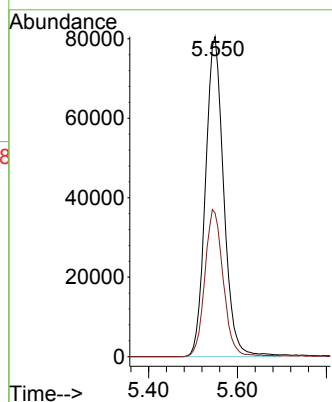
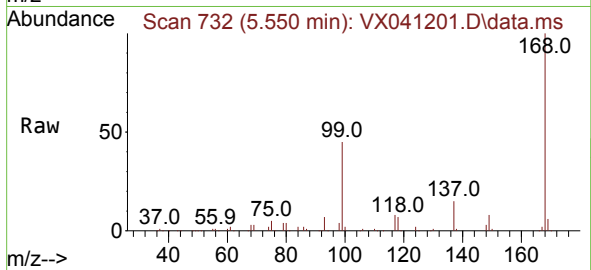
NWB-2030

Tgt Ion:168 Resp: 230123

Ion Ratio Lower Upper

168 100

99 44.9 56.6 85.0#



#5

Bromomethane

Concen: 0.513 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX041201.D

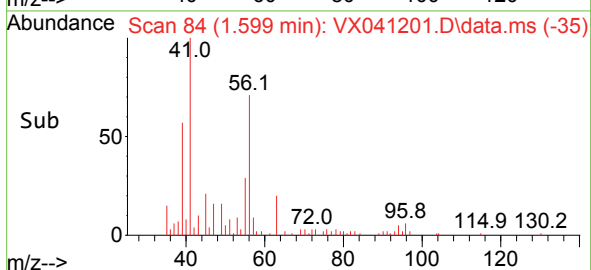
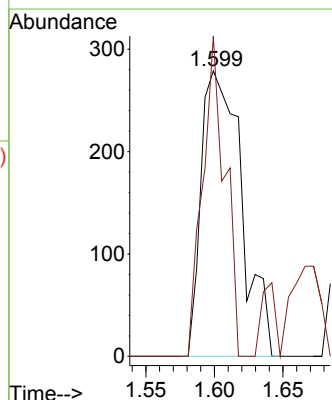
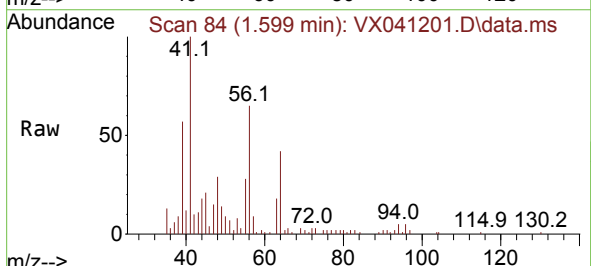
Acq: 22 Apr 2024 19:38

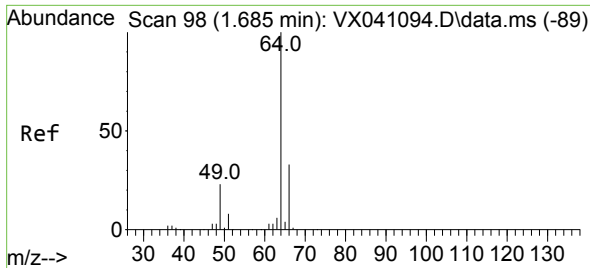
Tgt Ion: 94 Resp: 569

Ion Ratio Lower Upper

94 100

96 112.2 74.6 111.8#

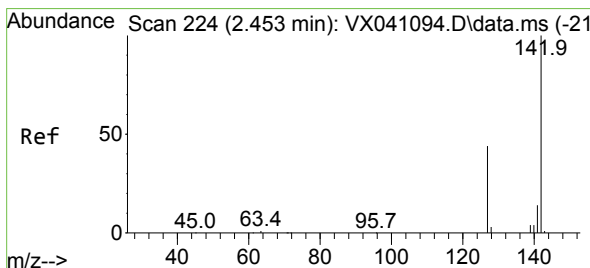
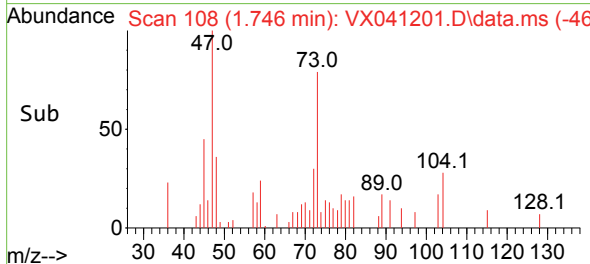
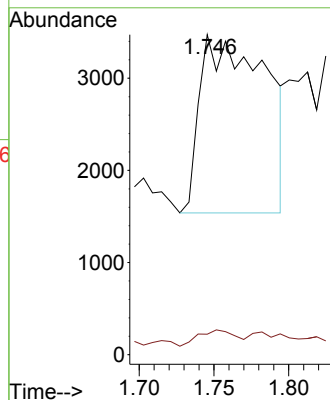
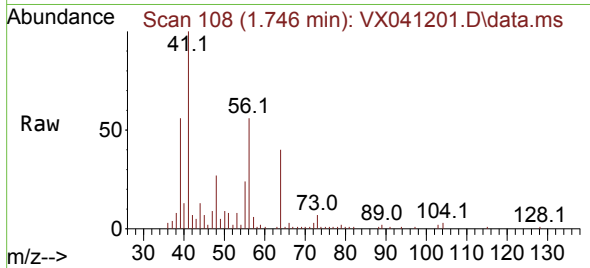




#6
Chloroethane
Concen: 7.801 ug/l
RT: 1.746 min Scan# 108
Delta R.T. 0.079 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

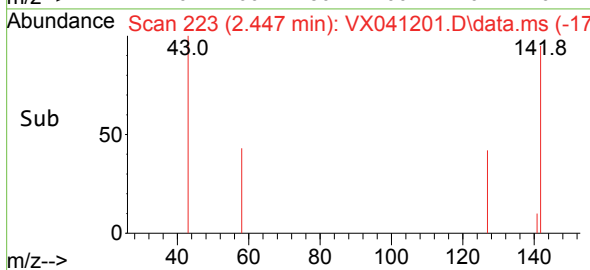
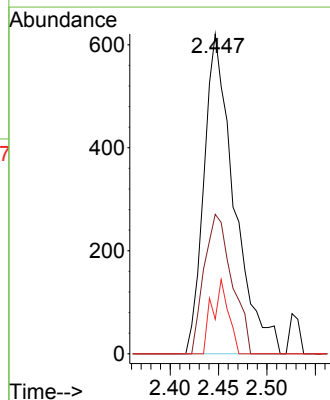
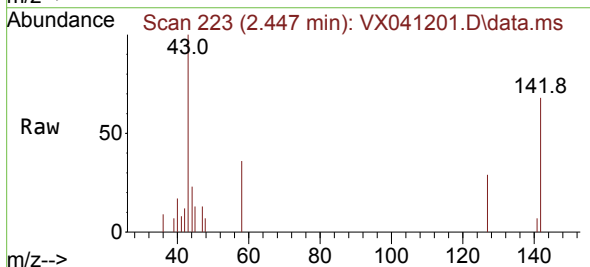
Instrument :
MSVOA_X
ClientSampleId :
NWB-2030

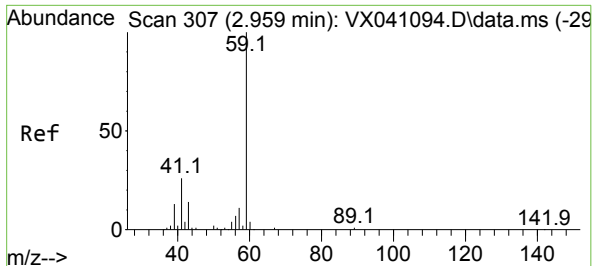
Tgt Ion: 64 Resp: 5840
Ion Ratio Lower Upper
64 100
66 6.7 25.1 37.7#



#10
Methyl Iodide
Concen: 0.624 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

Tgt Ion: 142 Resp: 1352
Ion Ratio Lower Upper
142 100
127 40.0 41.6 62.4#
141 12.4 11.6 17.4





#11

Tert butyl alcohol

Concen: 1.086 ug/l

RT: 3.050 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX041201.D

Acq: 22 Apr 2024 19:38

Instrument :

MSVOA_X

ClientSampleId :

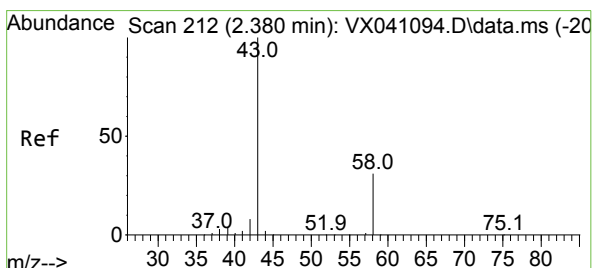
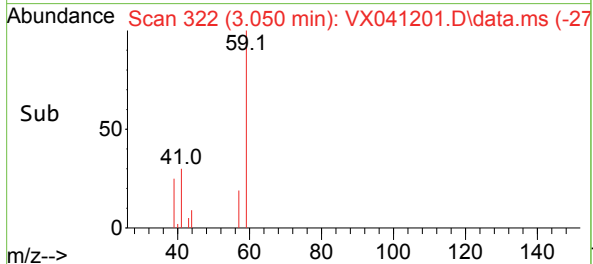
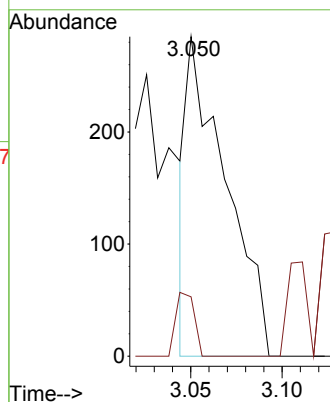
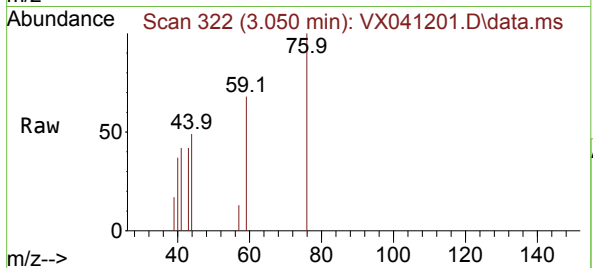
NWB-2030

Tgt Ion: 59 Resp: 426

Ion Ratio Lower Upper

59 100

57 9.4 6.0 9.0#



#16

Acetone

Concen: 28.663 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.000 min

Lab File: VX041201.D

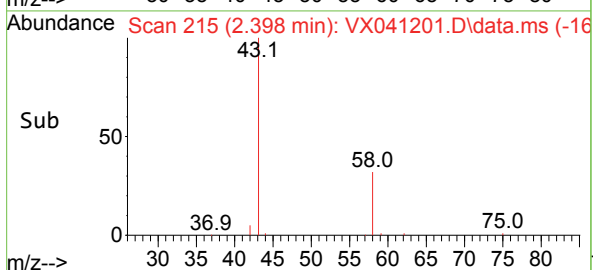
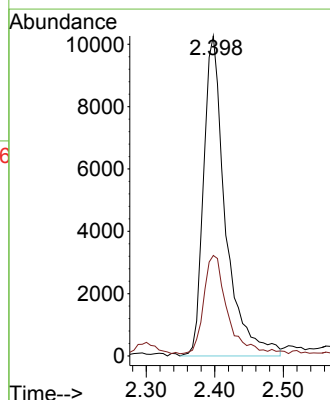
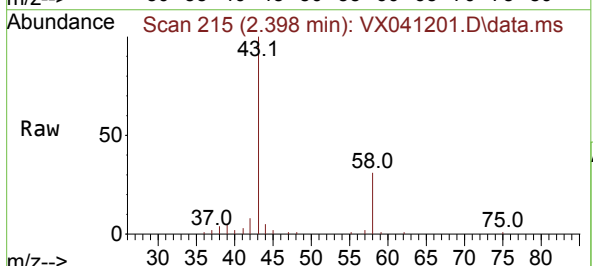
Acq: 22 Apr 2024 19:38

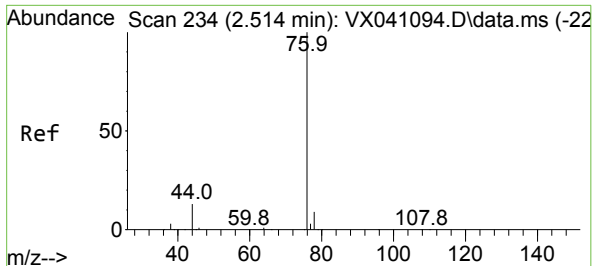
Tgt Ion: 43 Resp: 22855

Ion Ratio Lower Upper

43 100

58 30.7 21.9 32.9





#17

Carbon Disulfide

Concen: 1.564 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041201.D

Acq: 22 Apr 2024 19:38

Instrument :

MSVOA_X

ClientSampleId :

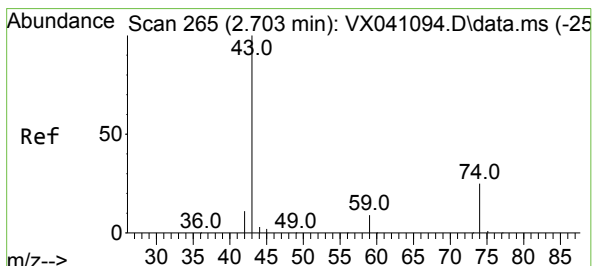
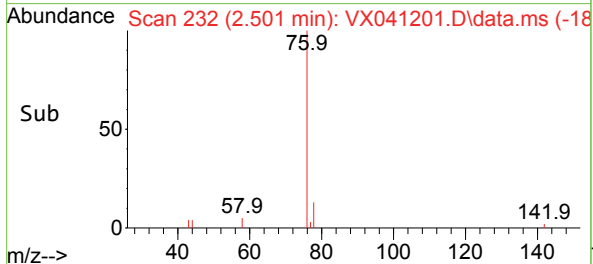
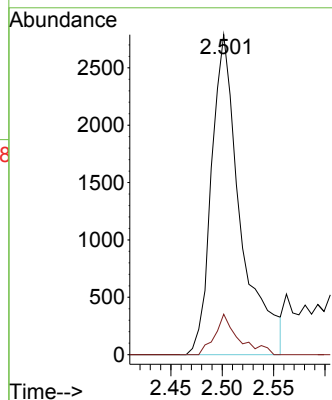
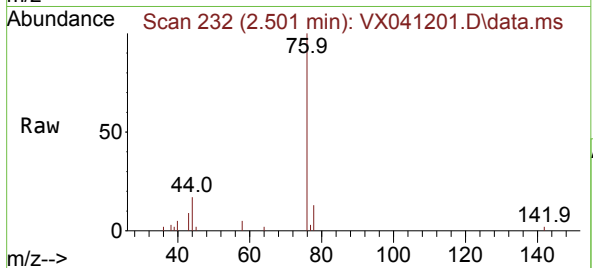
NWB-2030

Tgt Ion: 76 Resp: 5480

Ion Ratio Lower Upper

76 100

78 12.7 7.0 10.6#



#18

Methyl Acetate

Concen: 0.684 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX041201.D

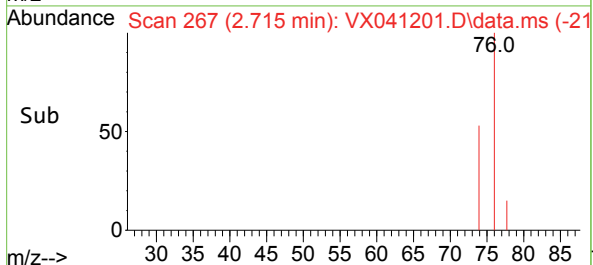
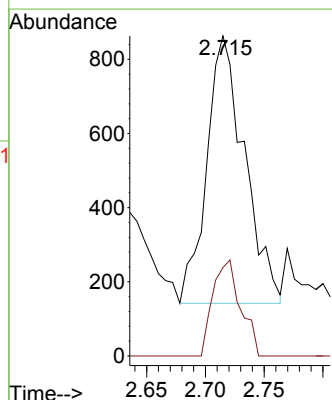
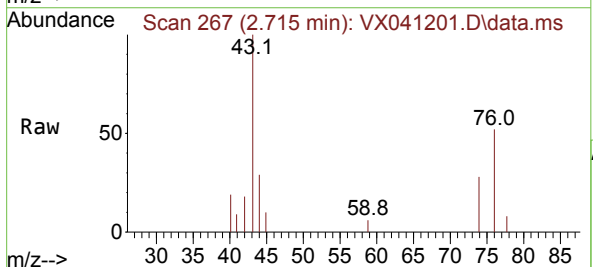
Acq: 22 Apr 2024 19:38

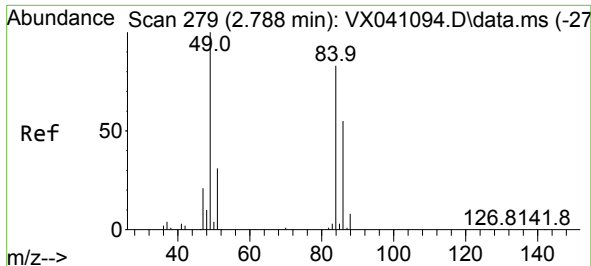
Tgt Ion: 43 Resp: 1613

Ion Ratio Lower Upper

43 100

74 26.3 17.8 26.8

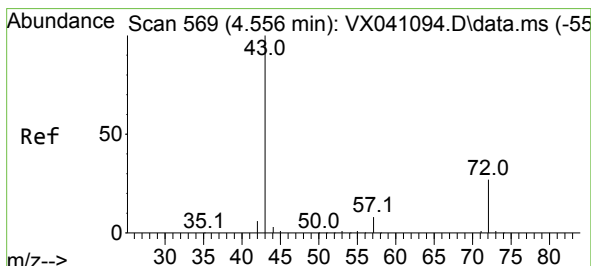
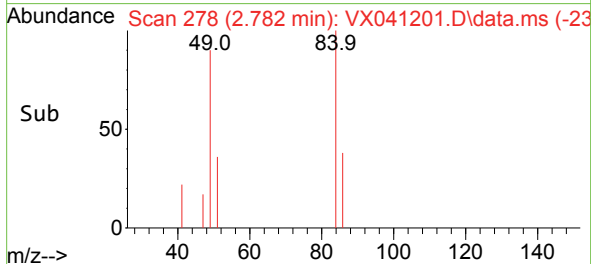
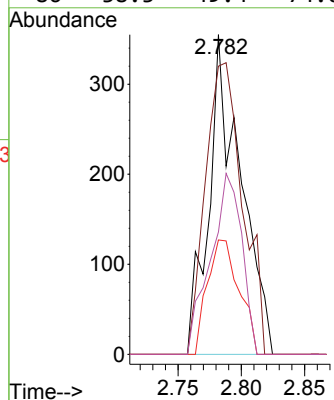
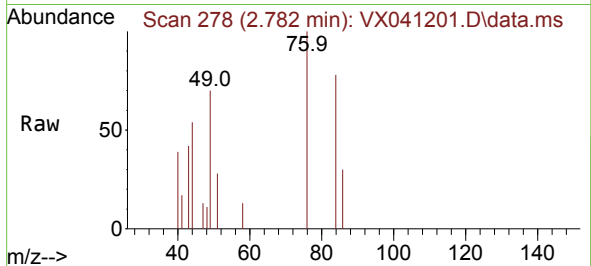




#20
Methylene Chloride
Concen: 0.319 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

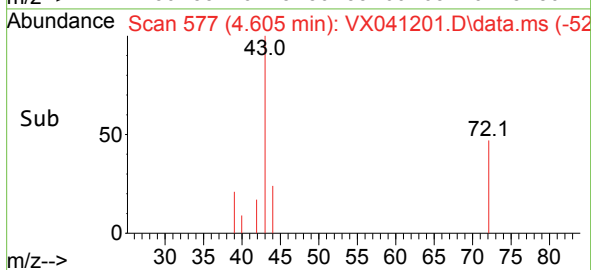
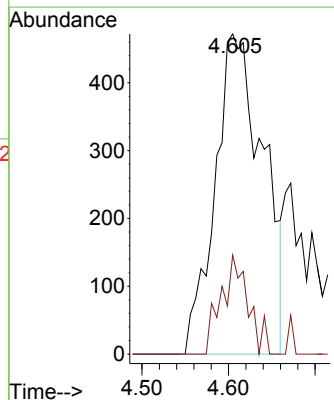
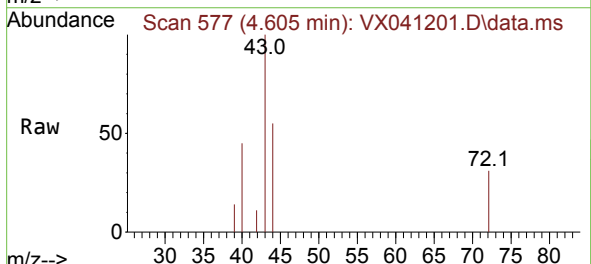
Instrument :
MSVOA_X
ClientSampleId :
NWB-2030

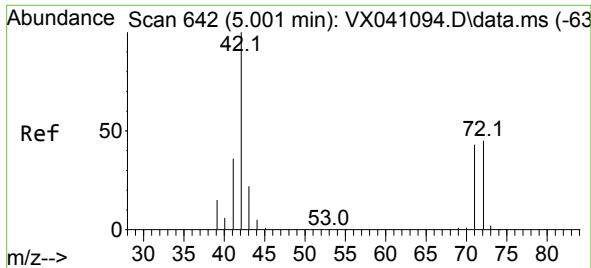
Tgt Ion:	84	Resp:	622
Ion	Ratio	Lower	Upper
84	100		
49	90.1	103.6	155.4#
51	35.8	33.8	50.6
86	38.3	49.4	74.0#



#25
2-Butanone
Concen: 1.337 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.036 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

Tgt Ion:	43	Resp:	1821
Ion	Ratio	Lower	Upper
43	100		
72	30.9	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.227 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX041201.D

Acq: 22 Apr 2024 19:38

Instrument :

MSVOA_X

ClientSampleId :

NWB-2030

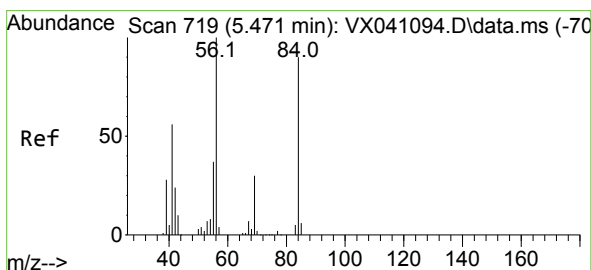
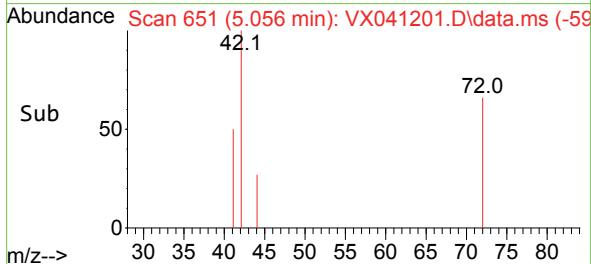
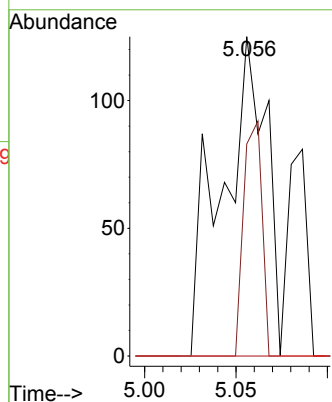
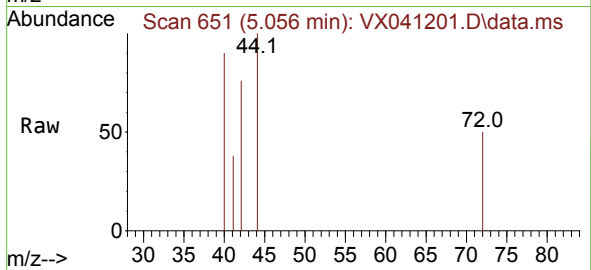
Tgt Ion: 42 Resp: 211

Ion Ratio Lower Upper

42 100

72 30.3 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX041201.D

Acq: 22 Apr 2024 19:38

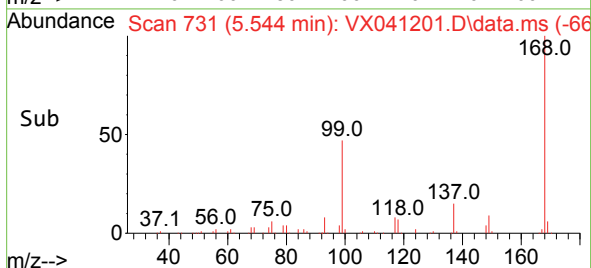
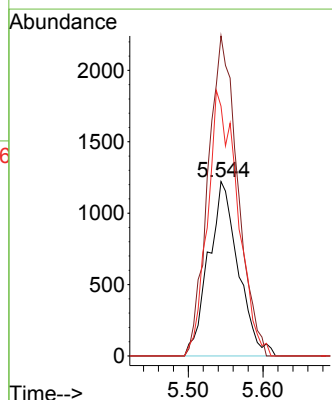
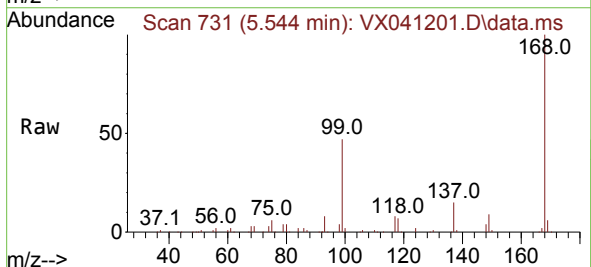
Tgt Ion: 56 Resp: 3370

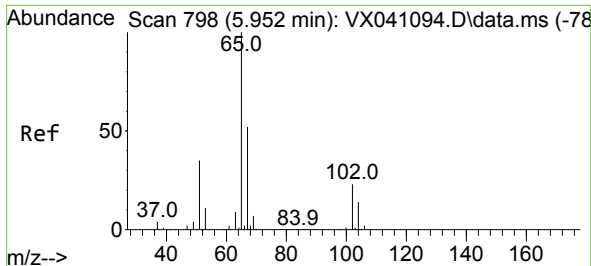
Ion Ratio Lower Upper

56 100

69 183.4 23.4 35.2#

84 143.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 52.585 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041201.D

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ClientSampleId :

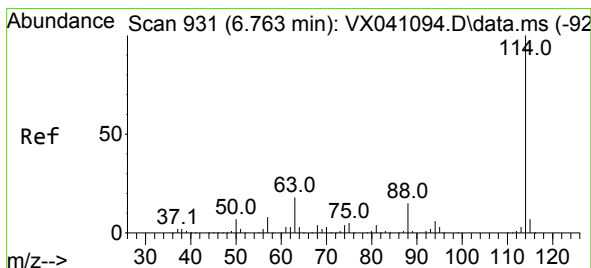
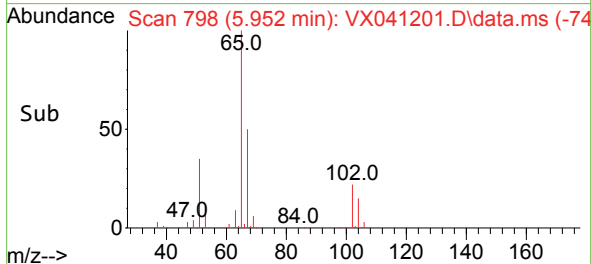
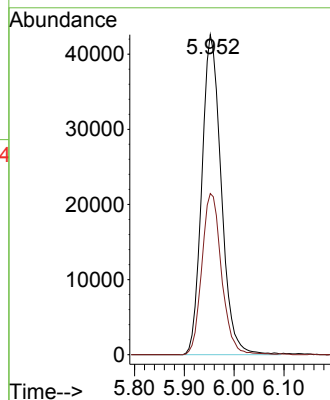
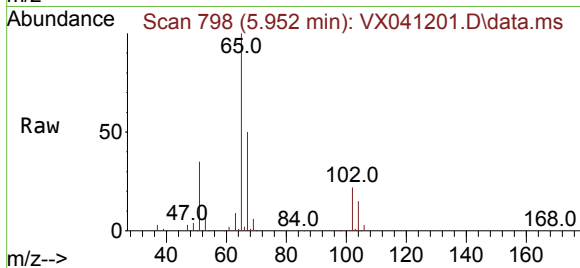
NWB-2030

Tgt Ion: 65 Resp: 115192

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX041201.D

Acq: 22 Apr 2024 19:38

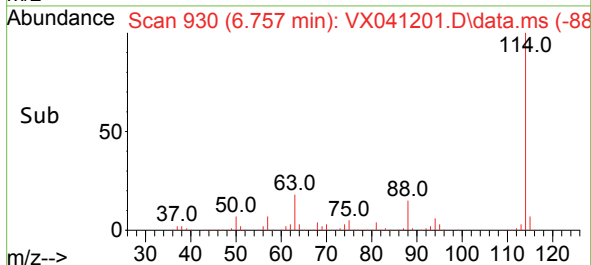
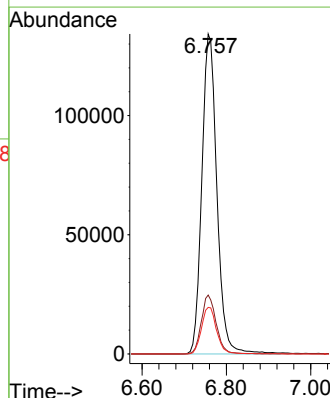
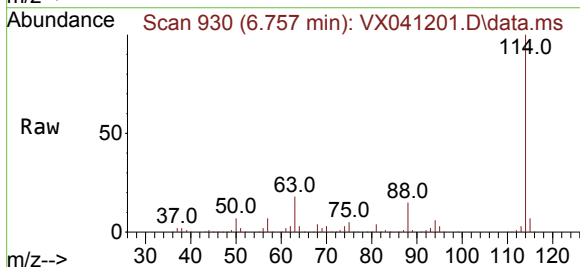
Tgt Ion: 114 Resp: 333776

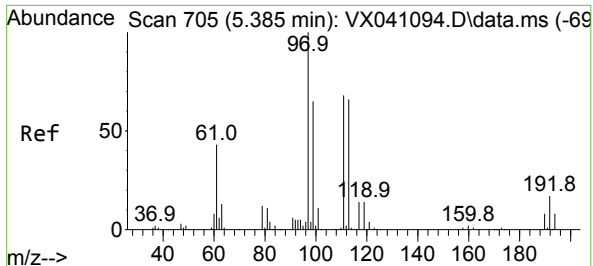
Ion Ratio Lower Upper

114 100

63 18.4 0.0 45.0

88 14.6 0.0 36.6

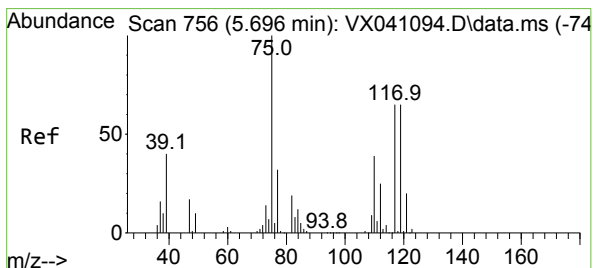
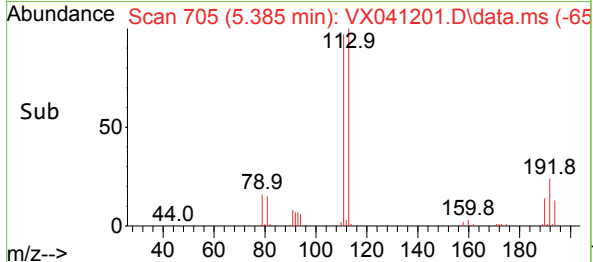
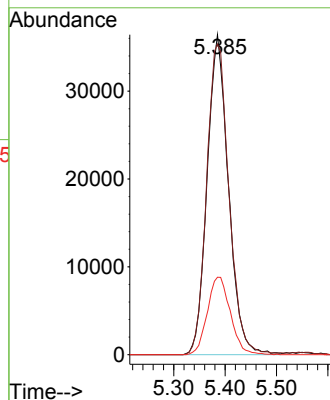
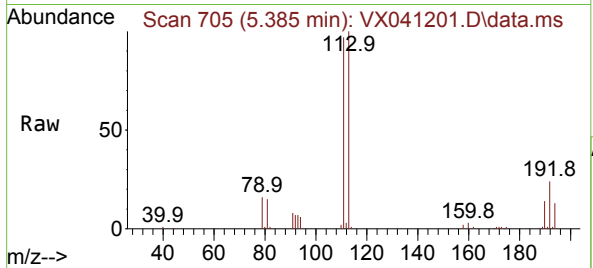




#35
Dibromofluoromethane
Concen: 51.631 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

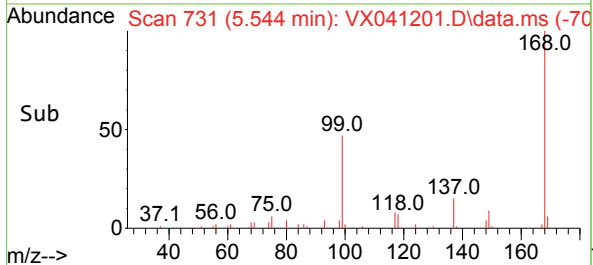
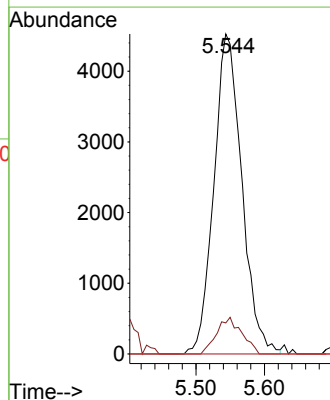
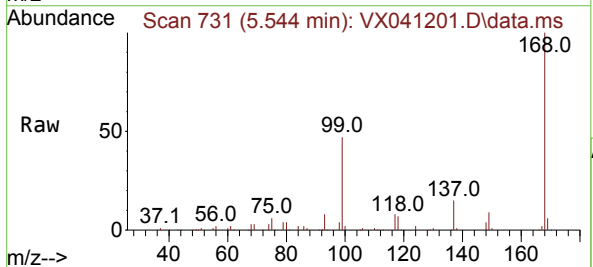
Instrument :
MSVOA_X
ClientSampleId :
NWB-2030

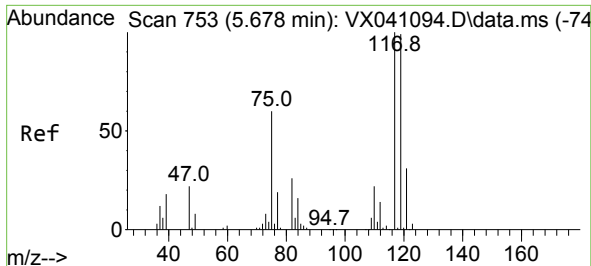
Tgt Ion:113 Resp: 104827
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 26.2 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.921 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

Tgt Ion: 75 Resp: 12784
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#

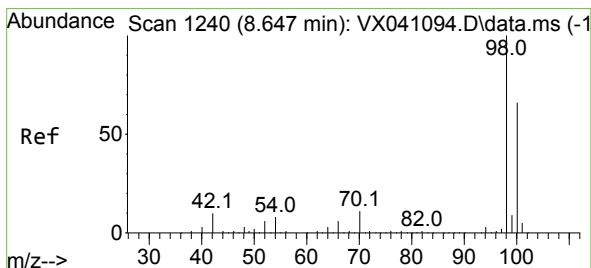
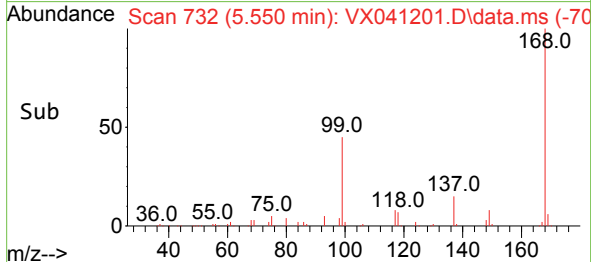
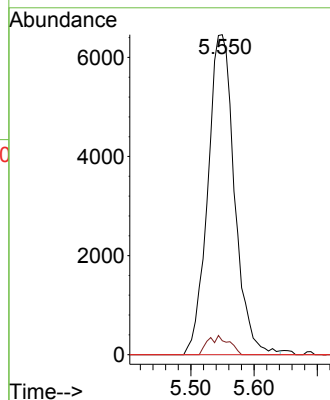
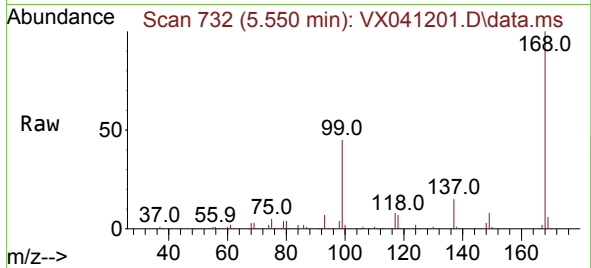




#38
Carbon Tetrachloride
Concen: 6.543 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

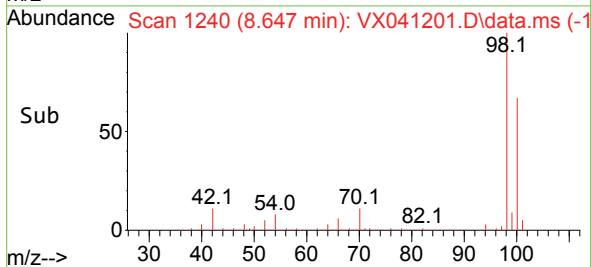
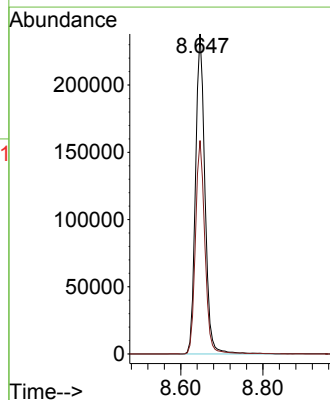
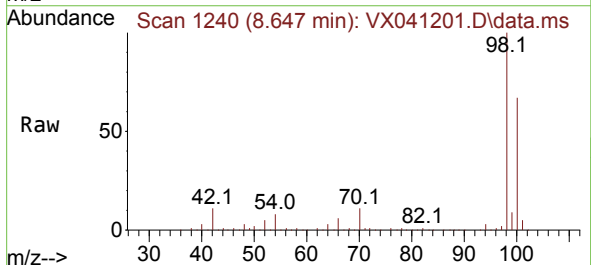
Instrument :
MSVOA_X
ClientSampleId :
NWB-2030

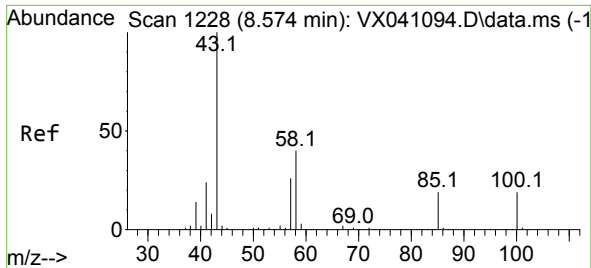
Tgt Ion:117 Resp: 18985
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 55.332 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

Tgt Ion: 98 Resp: 379026
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7

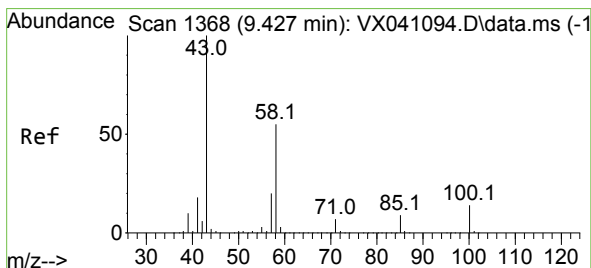
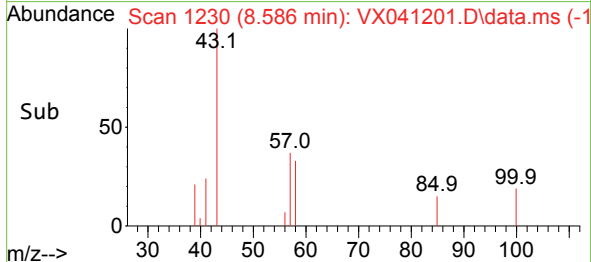
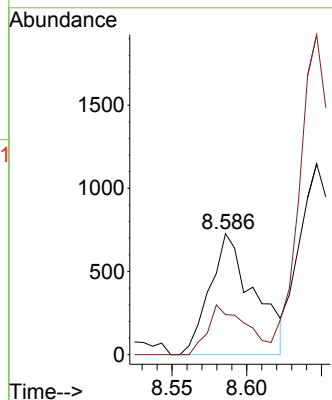
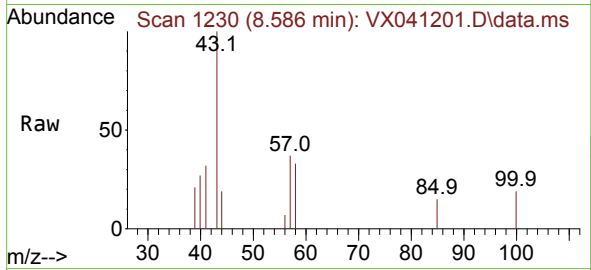




#51
4-Methyl-2-Pentanone
Concen: 0.519 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

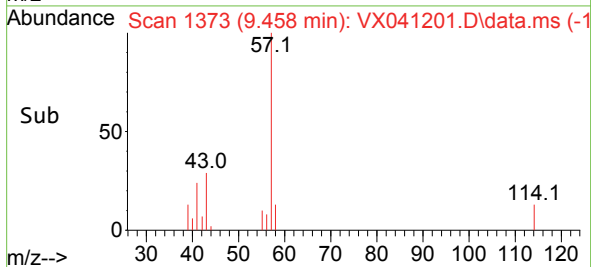
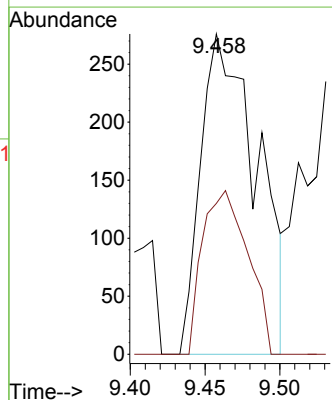
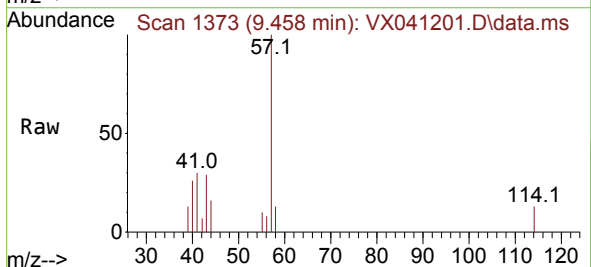
Instrument :
MSVOA_X
ClientSampleId :
NWB-2030

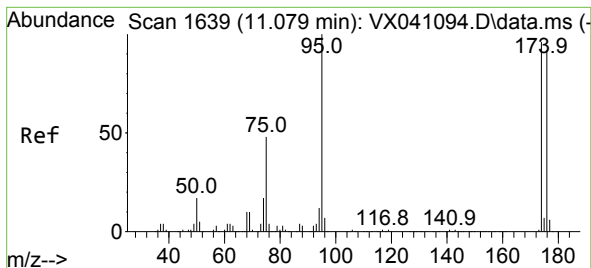
Tgt Ion: 43 Resp: 1491
Ion Ratio Lower Upper
43 100
58 36.5 30.4 45.6



#59
2-Hexanone
Concen: 0.328 ug/l
RT: 9.458 min Scan# 1373
Delta R.T. 0.024 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 41.4 26.2 78.5

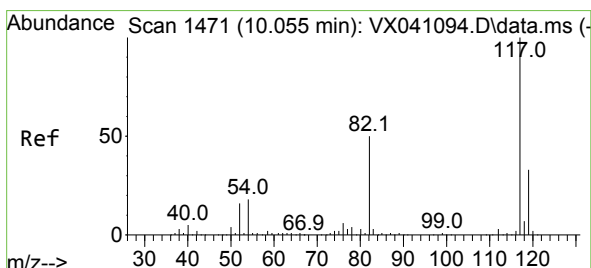
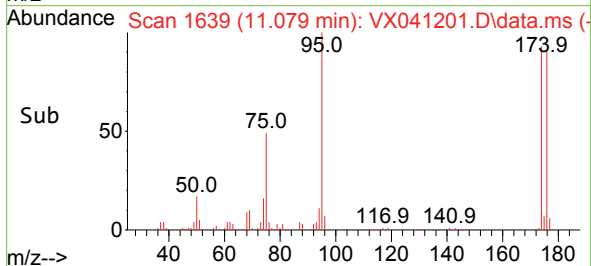
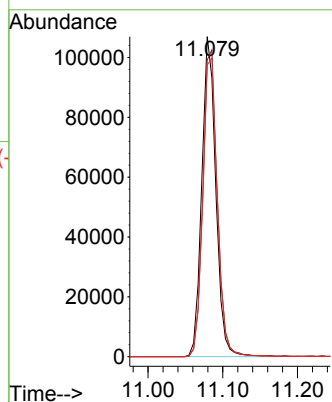
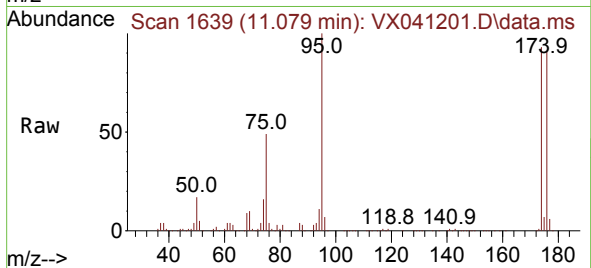




#62
4-Bromofluorobenzene
Concen: 55.152 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

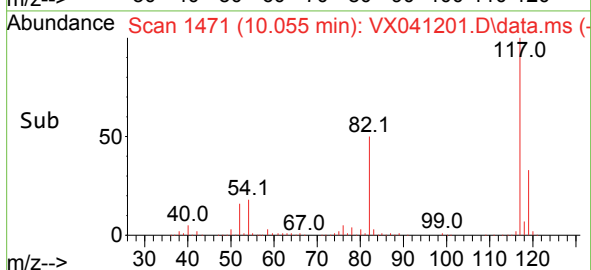
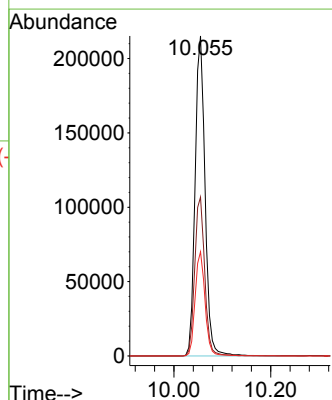
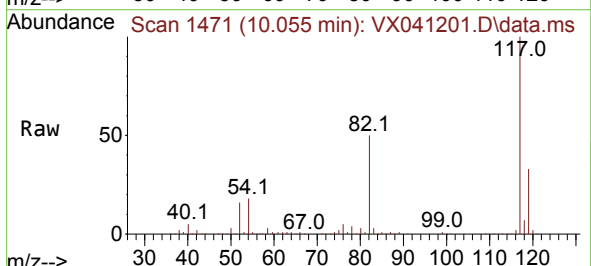
Instrument :
MSVOA_X
ClientSampleId :
NWB-2030

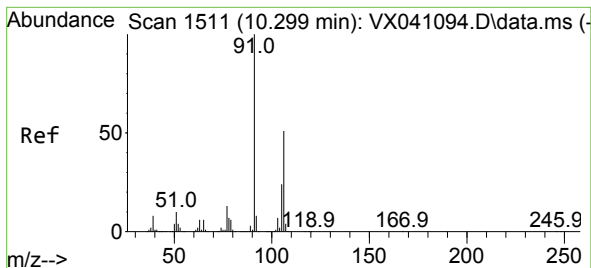
Tgt Ion: 95 Resp: 139445
Ion Ratio Lower Upper
95 100
174 99.0 0.0 135.6
176 97.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

Tgt Ion: 117 Resp: 306766
Ion Ratio Lower Upper
117 100
82 49.7 46.2 69.4
119 32.6 25.5 38.3





#68

m/p-Xylenes

Concen: 0.386 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041201.D

Acq: 22 Apr 2024 19:38

Instrument :

MSVOA_X

ClientSampleId :

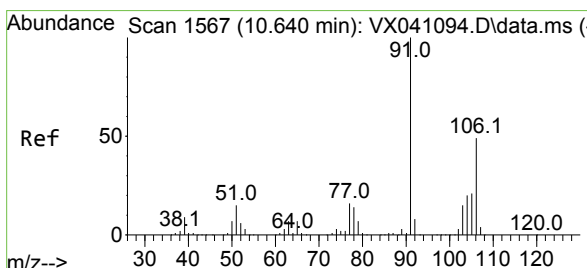
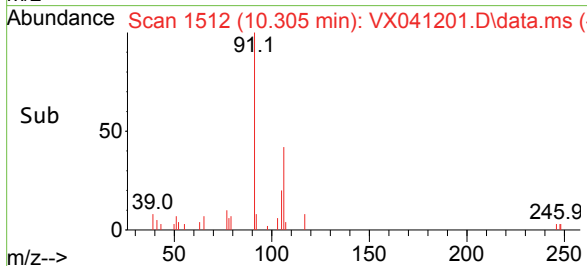
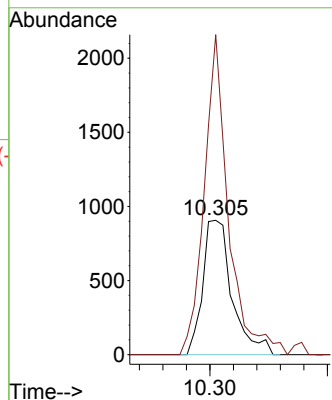
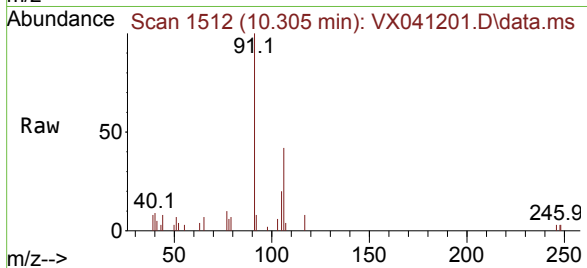
NWB-2030

Tgt Ion:106 Resp: 1569

Ion Ratio Lower Upper

106 100

91 195.9 165.5 248.3



#69

o-Xylene

Concen: 0.514 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX041201.D

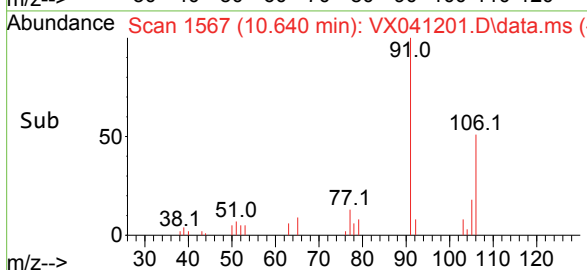
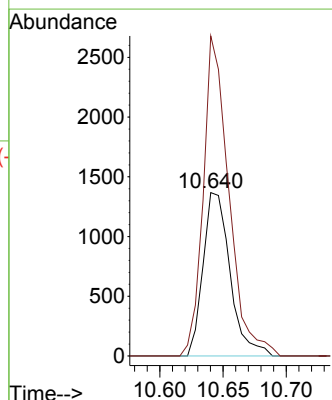
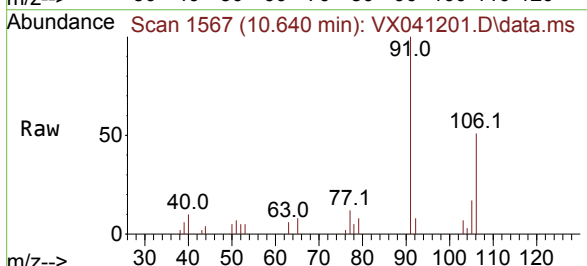
Acq: 22 Apr 2024 19:38

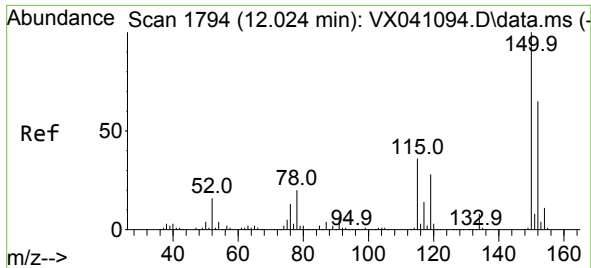
Tgt Ion:106 Resp: 2033

Ion Ratio Lower Upper

106 100

91 185.6 108.9 326.8

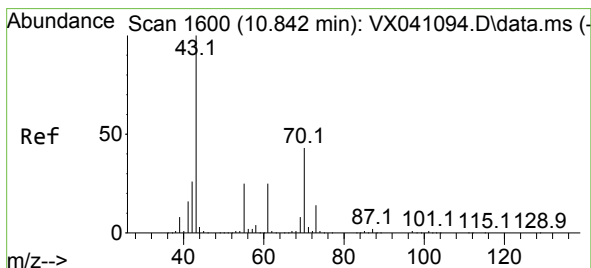
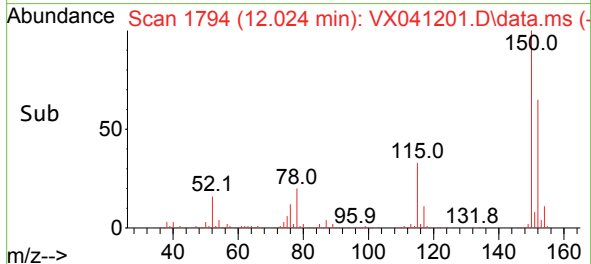
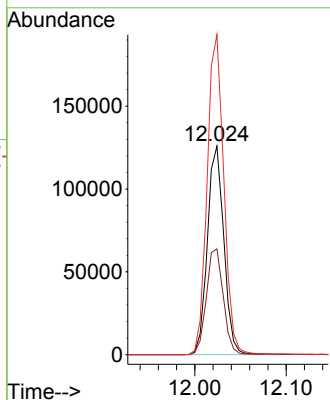
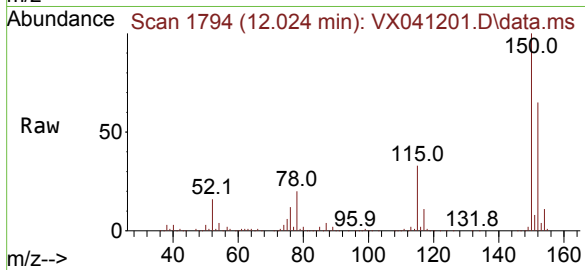




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

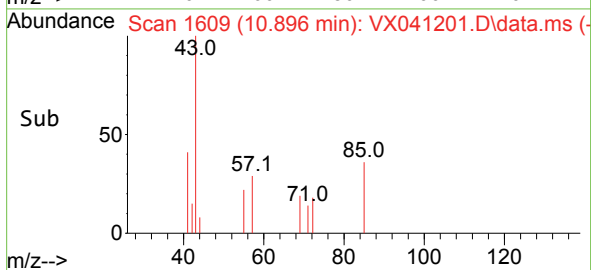
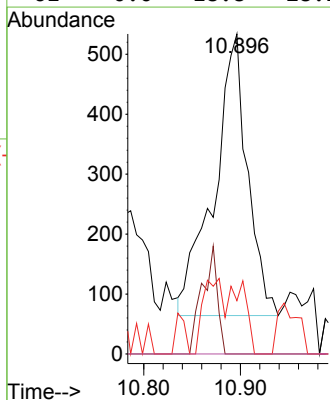
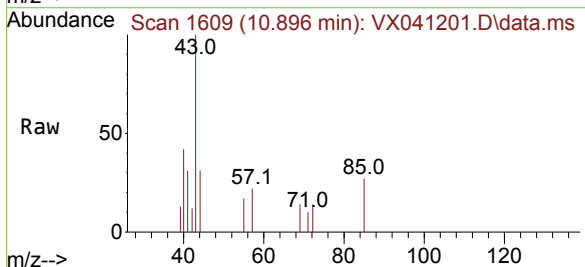
Instrument :
MSVOA_X
ClientSampleId :
NWB-2030

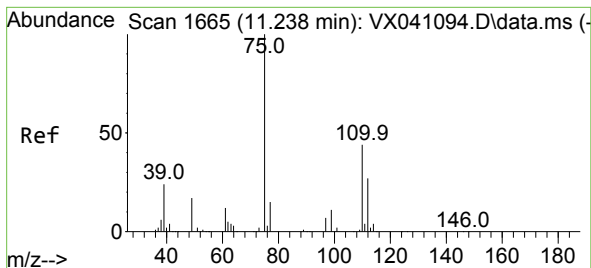
Tgt Ion:152 Resp: 157349
Ion Ratio Lower Upper
152 100
115 52.2 43.3 129.9
150 155.7 0.0 345.0



#74
N-ethyl acetate
Concen: 0.293 ug/l
RT: 10.896 min Scan# 1609
Delta R.T. 0.055 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

Tgt Ion: 43 Resp: 1129
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 19.3 28.9#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.041 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041201.D

Acq: 22 Apr 2024 19:38

Instrument :

MSVOA_X

ClientSampleId :

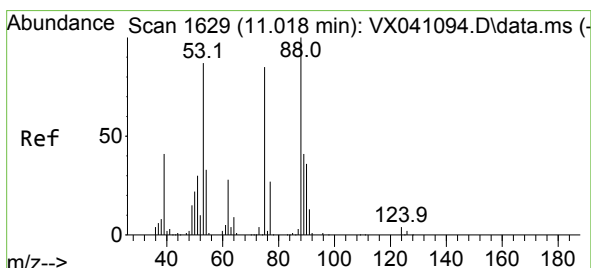
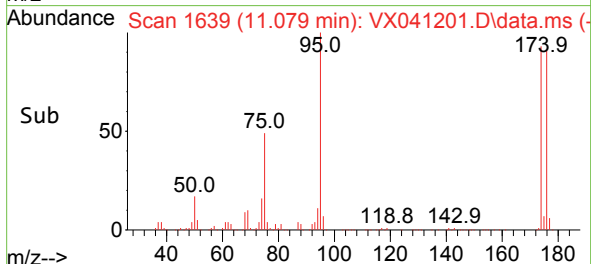
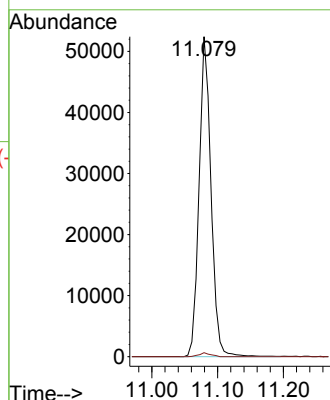
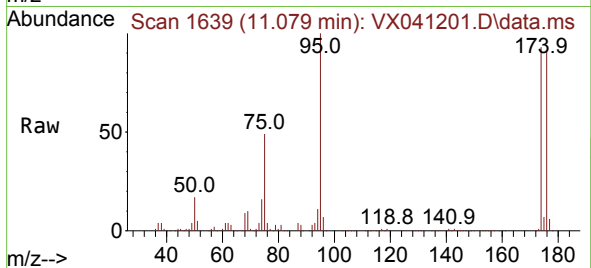
NWB-2030

Tgt Ion: 75 Resp: 66018

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.469 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041201.D

Acq: 22 Apr 2024 19:38

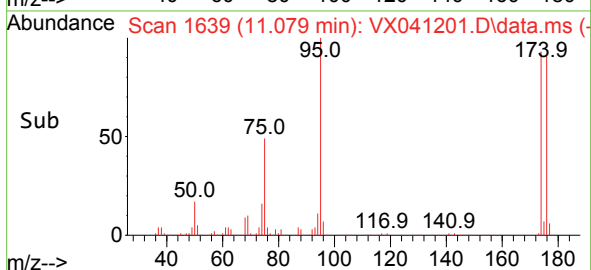
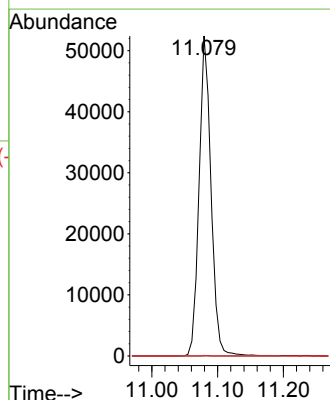
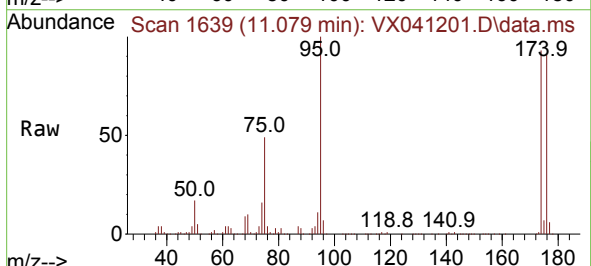
Tgt Ion: 75 Resp: 66018

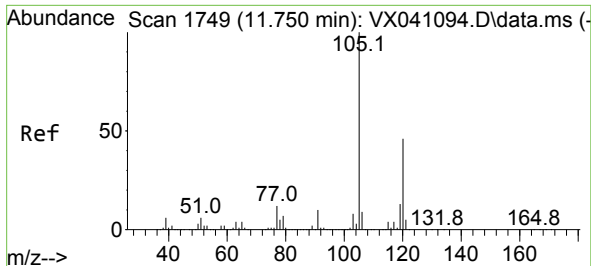
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

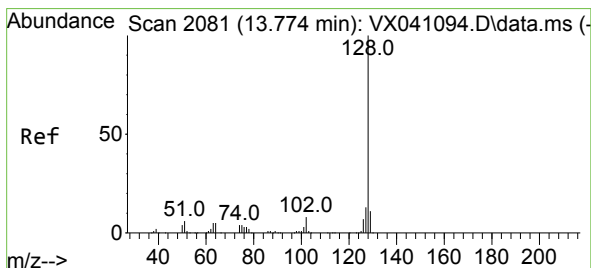
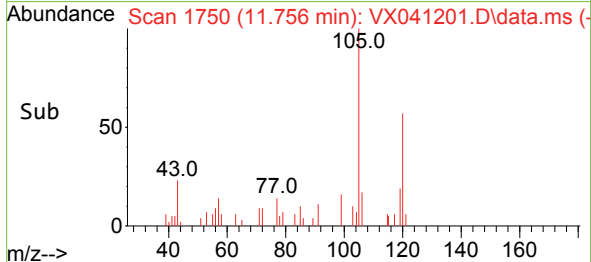
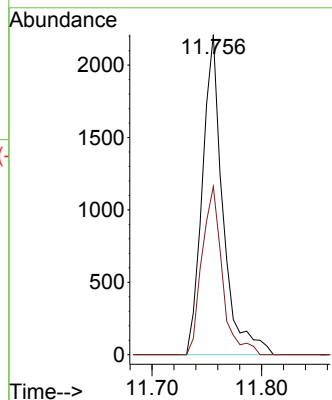
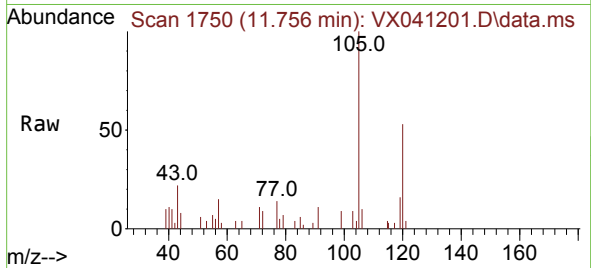




#84
1,2,4-Trimethylbenzene
Concen: 0.355 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

Instrument :
MSVOA_X
ClientSampleId :
NWB-2030

Tgt Ion:105 Resp: 2870
Ion Ratio Lower Upper
105 100
120 52.1 21.2 63.6



#95
Naphthalene
Concen: 0.308 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041201.D
Acq: 22 Apr 2024 19:38

Tgt Ion:128 Resp: 3144
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 10.7 8.8 13.2

