

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037180.D
 Acq On : 23 Aug 2023 13:52
 Operator : JC/MD
 Sample : 03994-01DL 400X
 Misc : 6.76g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NEVINS-SB06-Z22-23DL

Quant Time: Aug 24 05:31:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

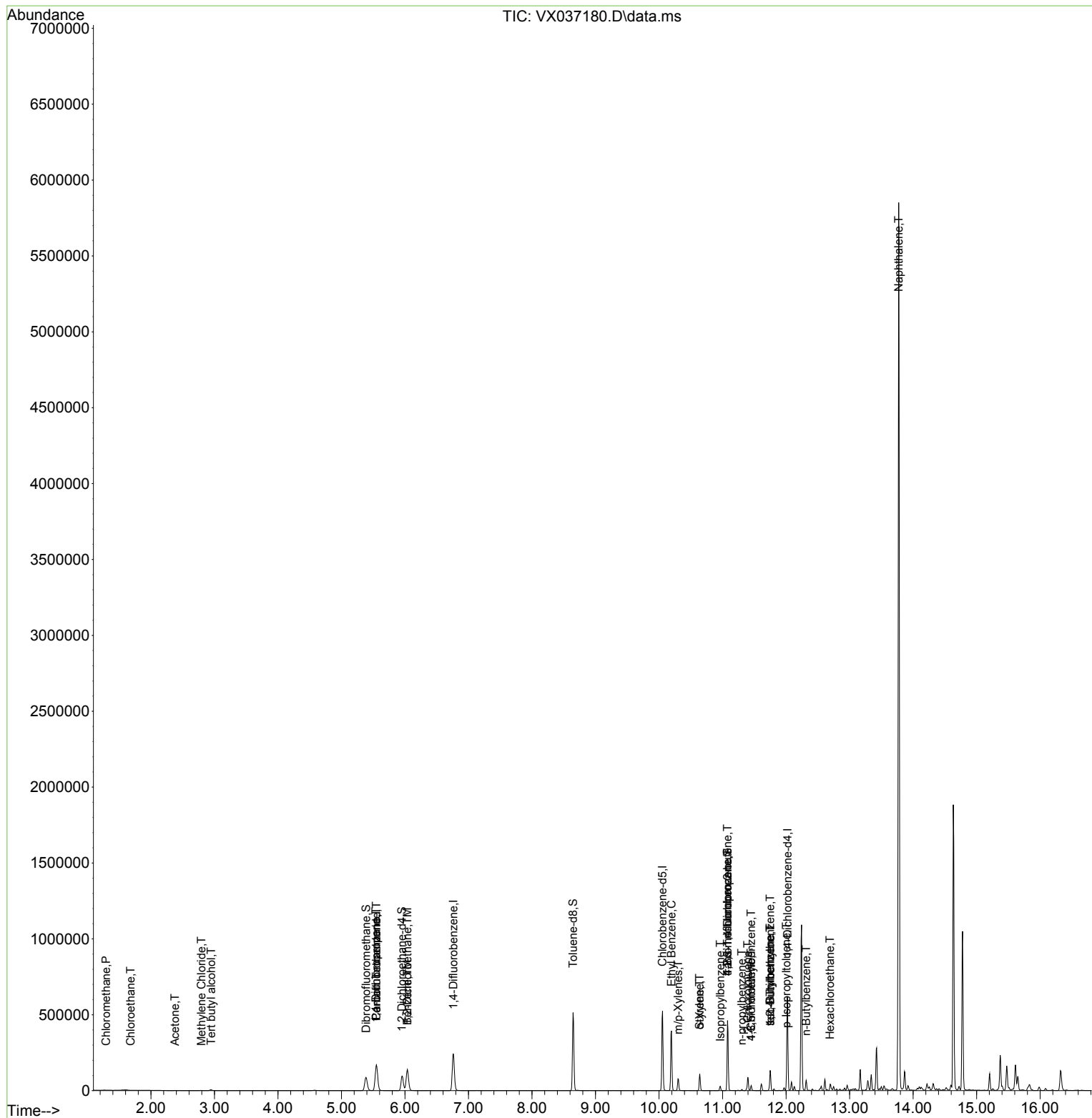
Internal Standards						
1) Pentafluorobenzene	5.550	168	156356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	257902	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98238	43.581	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.160%		
35) Dibromofluoromethane	5.385	113	77567	45.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.820%		
50) Toluene-d8	8.647	98	300973	48.578	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.160%		
62) 4-Bromofluorobenzene	11.079	95	124861	51.282	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.560%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	540	0.340	ug/l #	43
6) Chloroethane	1.678	64	265	0.260	ug/l #	43
11) Tert butyl alcohol	2.947	59	3750	7.092	ug/l #	78
16) Acetone	2.380	43	639	0.725	ug/l	98
20) Methylene Chloride	2.794	84	825	0.418	ug/l #	68
36) 1,1-Dichloropropene	5.544	75	12409	5.114	ug/l #	51
38) Carbon Tetrachloride	5.550	117	16521	6.267	ug/l #	14
40) Benzene	6.037	78	171917	24.702	ug/l	98
42) 1,2-Dichloroethane	6.037	62	1610	0.590	ug/l #	77
67) Ethyl Benzene	10.195	91	230869	26.132	ug/l	100
68) m/p-Xylenes	10.299	106	19207	5.630	ug/l	96
69) o-Xylene	10.640	106	23208	6.895	ug/l	97
70) Styrene	10.640	104	1330	0.240	ug/l #	1
73) Isopropylbenzene	10.963	105	15420	1.684	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	64631	24.085	ug/l #	38
78) n-propylbenzene	11.305	91	5233	0.513	ug/l	97
79) 2-Chlorotoluene	11.396	91	6274	0.963	ug/l #	48
80) 1,3,5-Trimethylbenzene	11.451	105	14585	1.909	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	64631	67.272	ug/l #	5
82) 4-Chlorotoluene	11.451	91	2051	0.273	ug/l #	55
83) tert-Butylbenzene	11.750	119	6956	0.955	ug/l #	51
84) 1,2,4-Trimethylbenzene	11.750	105	58226	7.541	ug/l	98
85) sec-Butylbenzene	11.750	105	58226	6.842	ug/l #	57
86) p-Isopropyltoluene	12.006	119	6145	0.839	ug/l #	71
89) n-Butylbenzene	12.317	91	6838	1.126	ug/l #	1
90) Hexachloroethane	12.695	117	18325	14.986	ug/l #	17
95) Naphthalene	13.774	128	3514467	334.389	ug/l	98

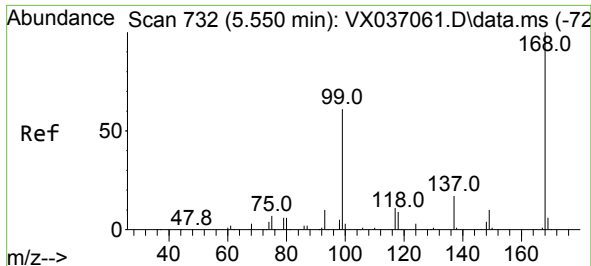
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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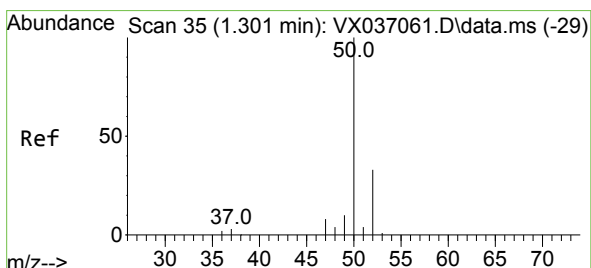
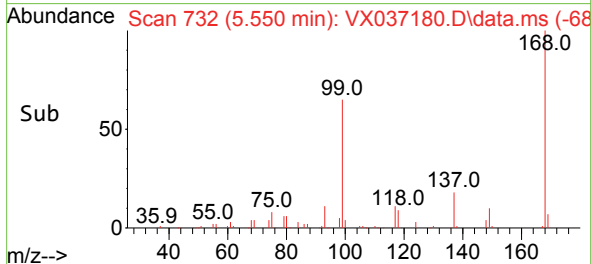
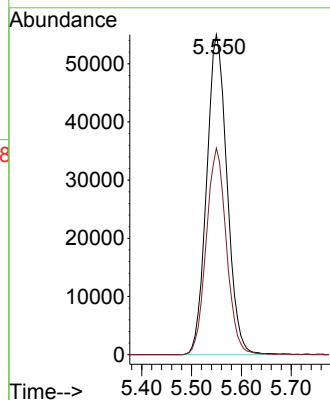
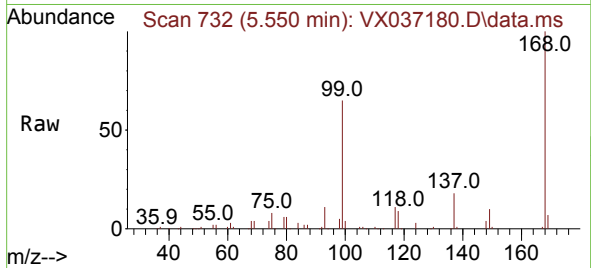




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

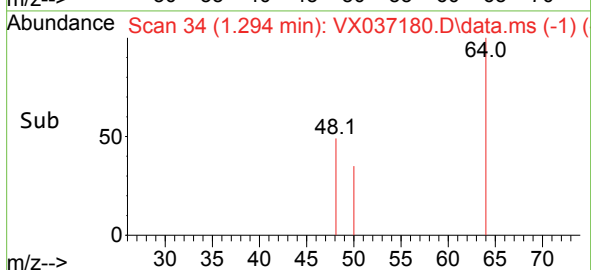
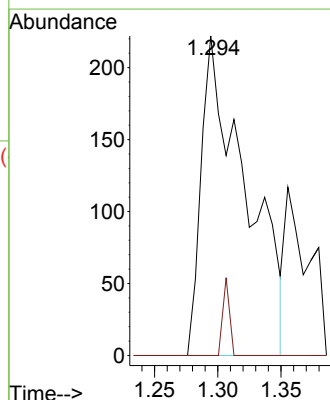
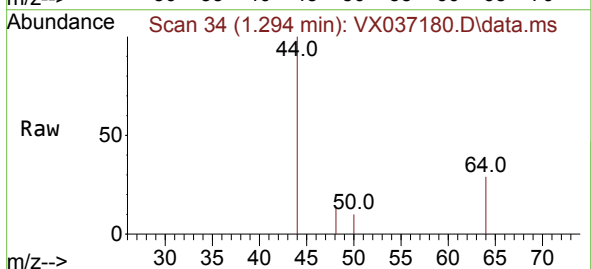
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB06-Z22-23DL

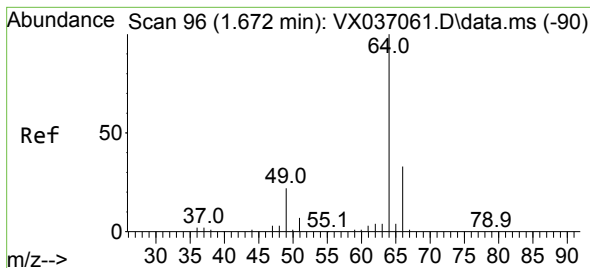
Tgt Ion:168 Resp: 156356
Ion Ratio Lower Upper
168 100
99 64.5 56.6 85.0



#3
Chloromethane
Concen: 0.340 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

Tgt Ion: 50 Resp: 540
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#6

Chloroethane

Concen: 0.260 ug/l

RT: 1.678 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX037180.D

Acq: 23 Aug 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

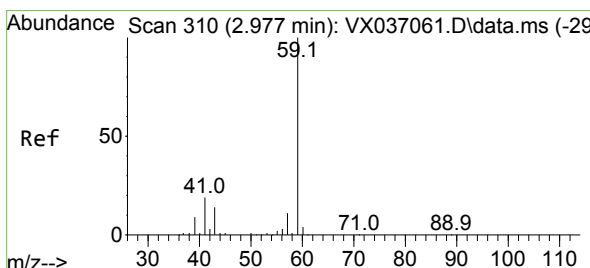
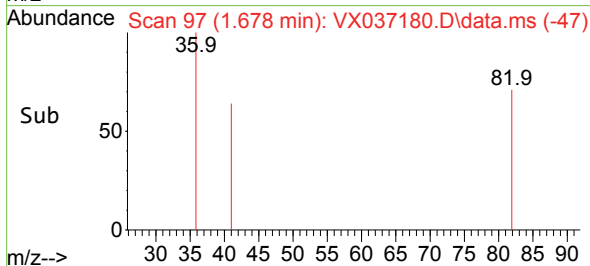
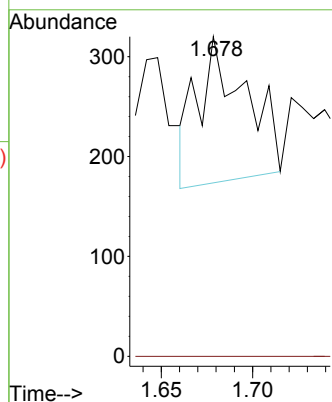
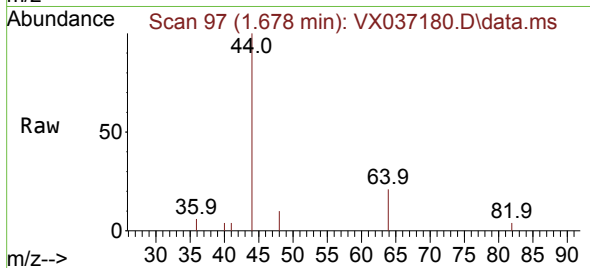
NEVINS-SB06-Z22-23DL

Tgt Ion: 64 Resp: 265

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 7.092 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX037180.D

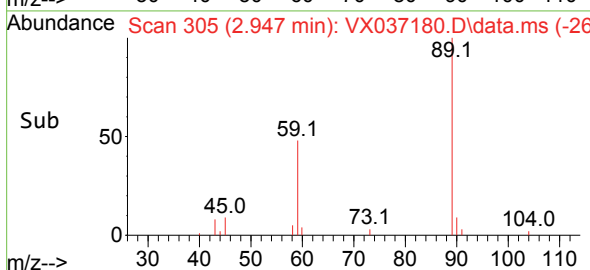
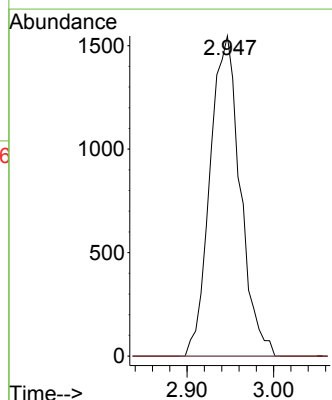
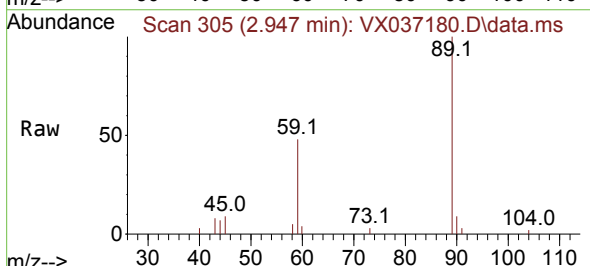
Acq: 23 Aug 2023 13:52

Tgt Ion: 59 Resp: 3750

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

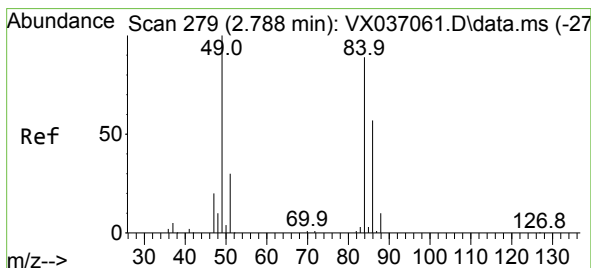
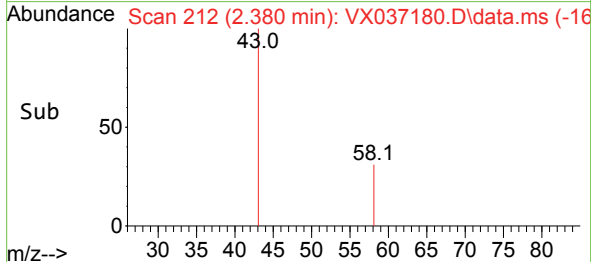
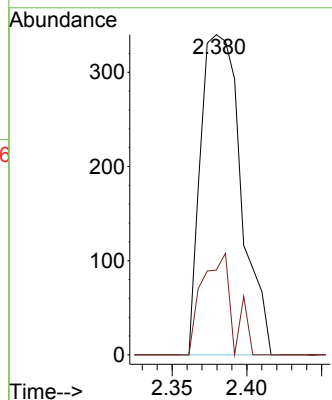
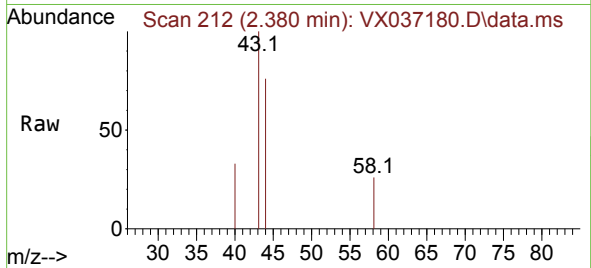




#16
Acetone
Concen: 0.725 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

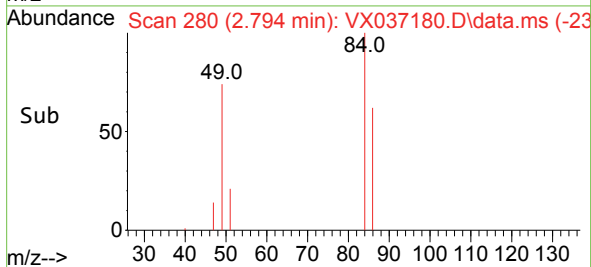
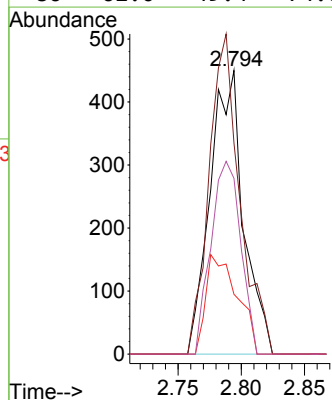
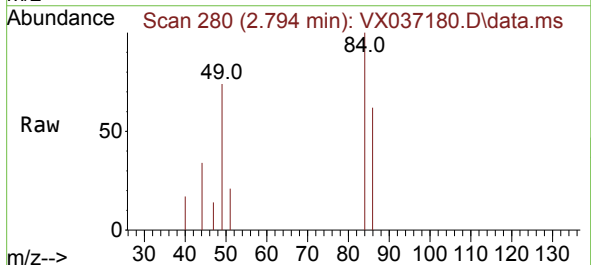
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB06-Z22-23DL

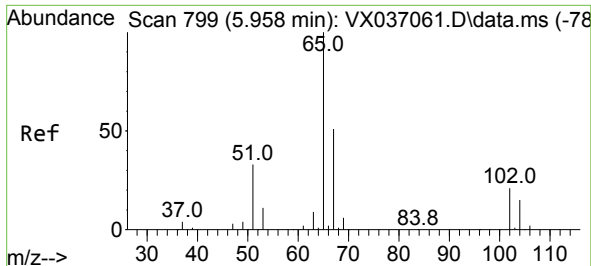
Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
58 26.5 21.9 32.9



#20
Methylene Chloride
Concen: 0.418 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

Tgt Ion: 84 Resp: 825
Ion Ratio Lower Upper
84 100
49 74.4 103.6 155.4#
51 21.1 33.8 50.6#
86 62.0 49.4 74.0





#33

1,2-Dichloroethane-d4

Concen: 43.581 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037180.D

Acq: 23 Aug 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

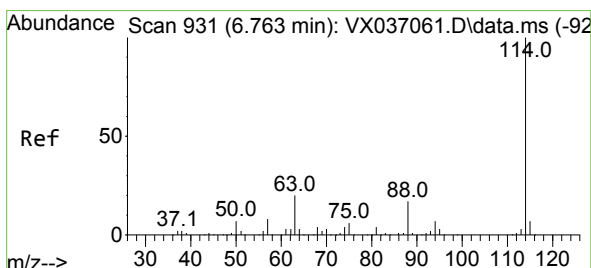
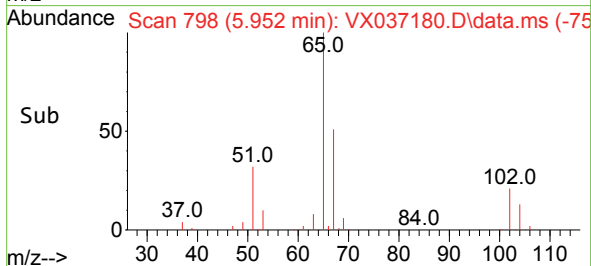
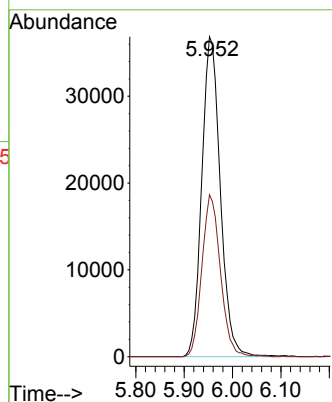
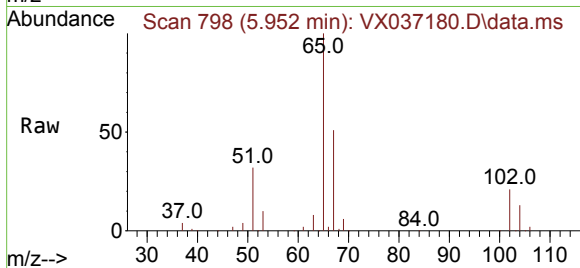
NEVINS-SB06-Z22-23DL

Tgt Ion: 65 Resp: 98238

Ion Ratio Lower Upper

65 100

67 50.5 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: VX037180.D

Acq: 23 Aug 2023 13:52

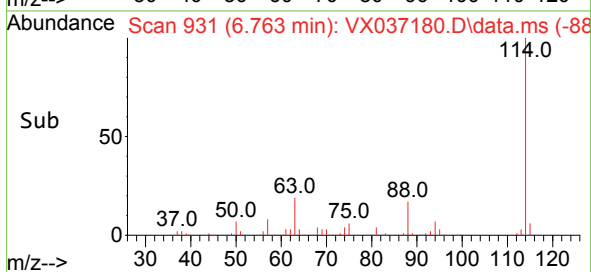
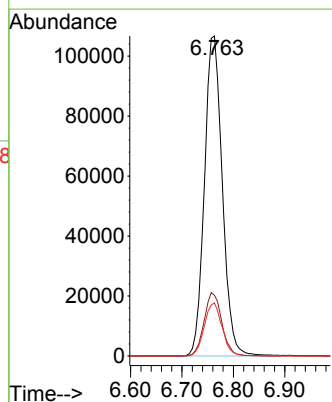
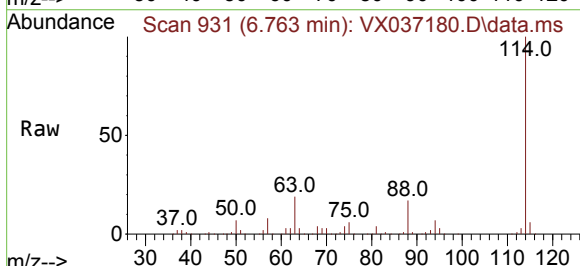
Tgt Ion: 114 Resp: 257902

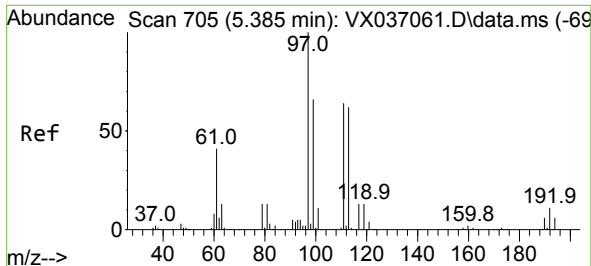
Ion Ratio Lower Upper

114 100

63 19.0 0.0 45.0

88 16.6 0.0 36.6

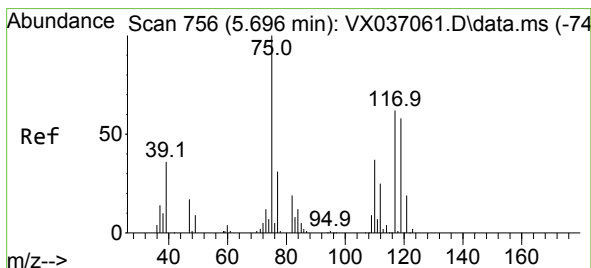
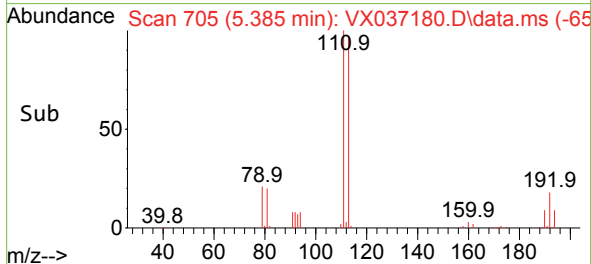
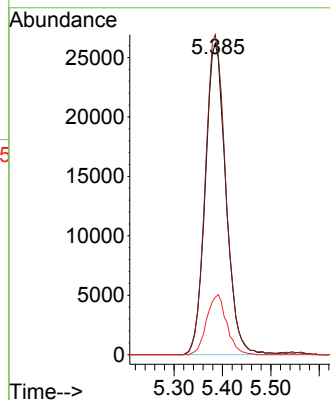
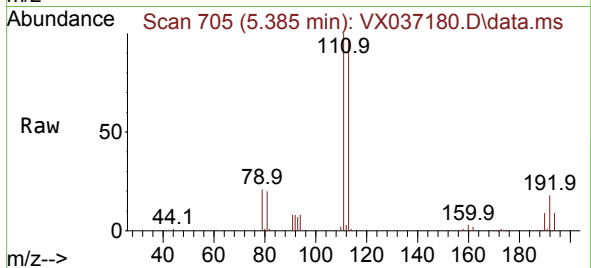




#35
Dibromofluoromethane
Concen: 45.413 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

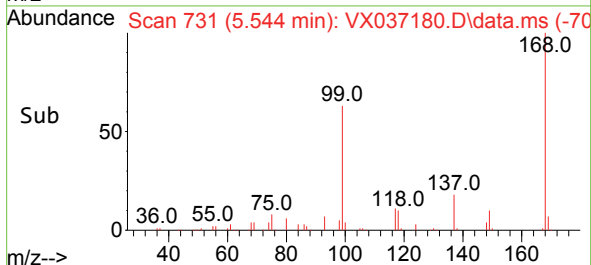
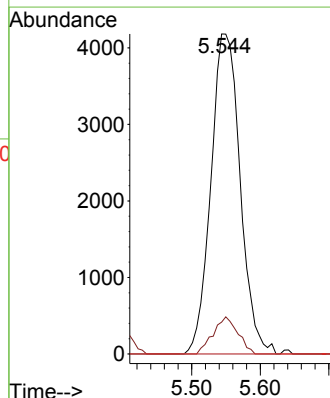
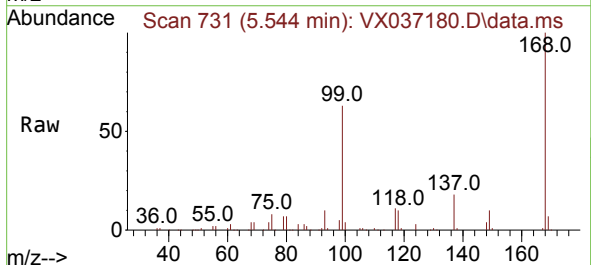
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NEVINS-SB06-Z22-23DL

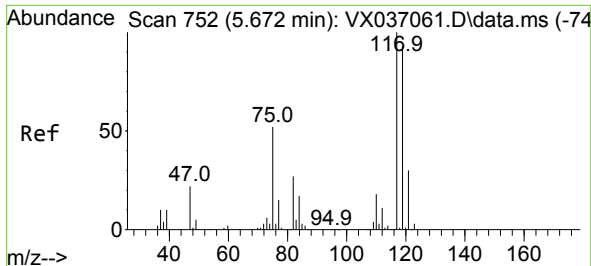
Tgt Ion:113 Resp: 77567
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.114 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

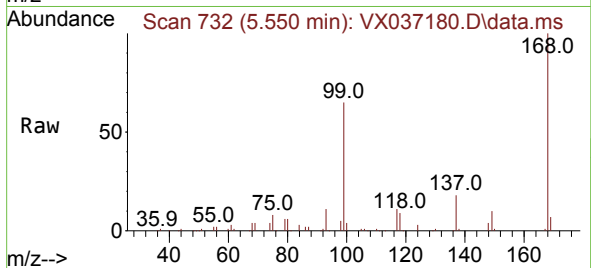
Tgt Ion: 75 Resp: 12409
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



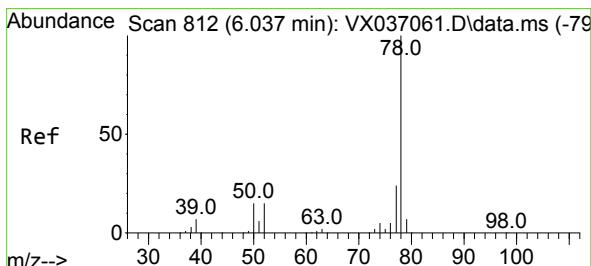
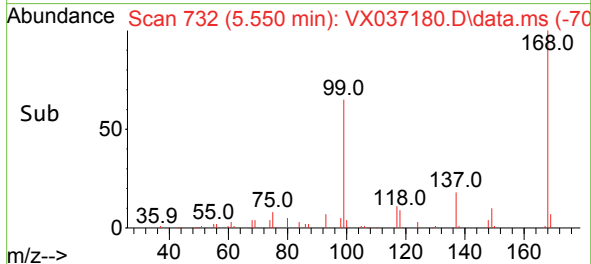
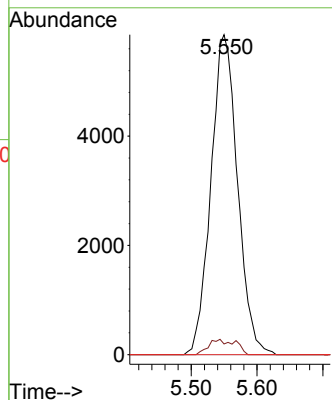


#38
Carbon Tetrachloride
Concen: 6.267 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

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NEVINS-SB06-Z22-23DL

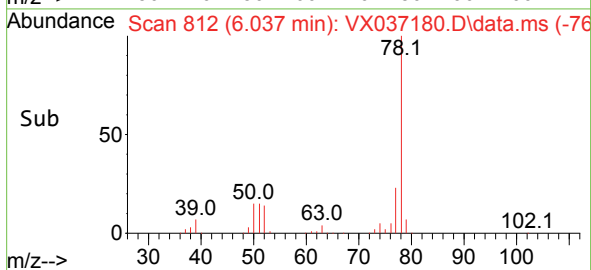
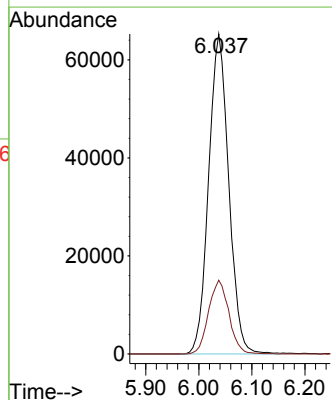
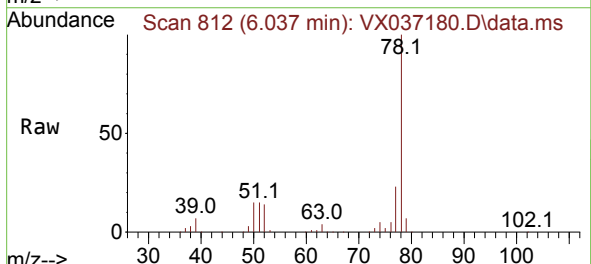


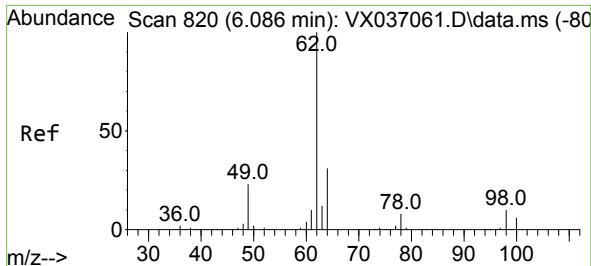
Tgt Ion:117 Resp: 16521
Ion Ratio Lower Upper
117 100
119 3.3 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 24.702 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

Tgt Ion: 78 Resp: 171917
Ion Ratio Lower Upper
78 100
77 23.0 19.3 28.9





#42

1,2-Dichloroethane

Concen: 0.590 ug/l

RT: 6.037 min Scan# 81

Delta R.T. -0.049 min

Lab File: VX037180.D

Acq: 23 Aug 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

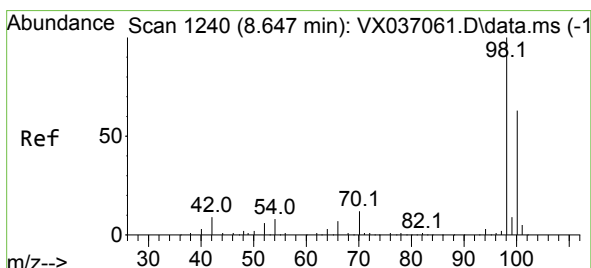
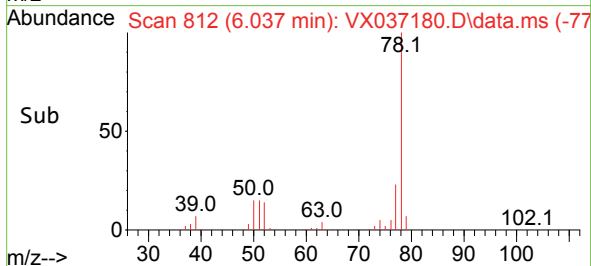
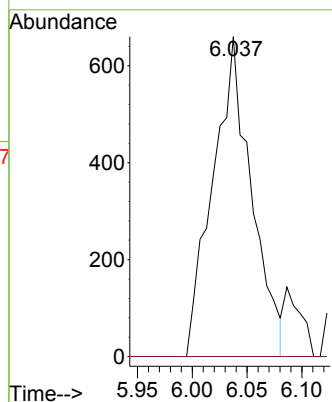
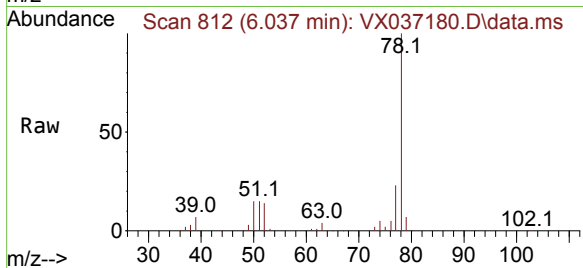
NEVINS-SB06-Z22-23DL

Tgt Ion: 62 Resp: 1610

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#50

Toluene-d8

Concen: 48.578 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037180.D

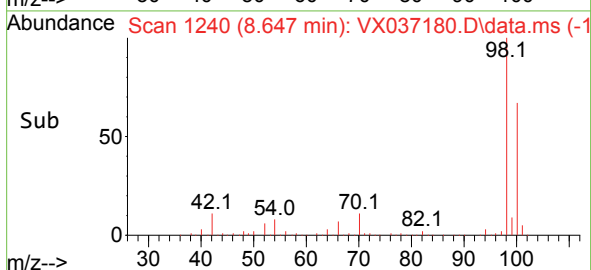
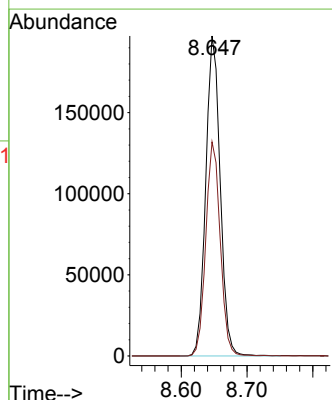
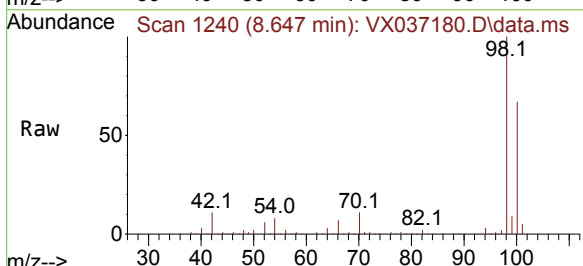
Acq: 23 Aug 2023 13:52

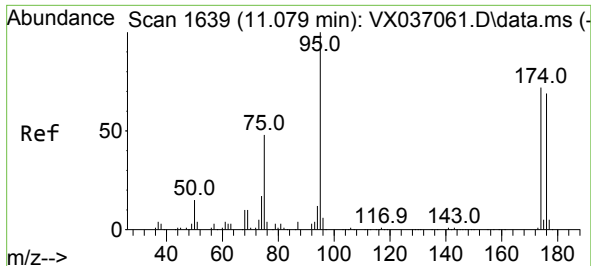
Tgt Ion: 98 Resp: 300973

Ion Ratio Lower Upper

98 100

100 67.0 53.1 79.7

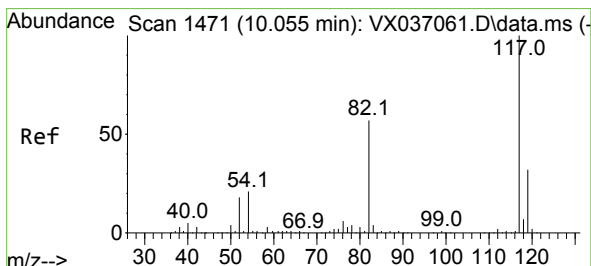
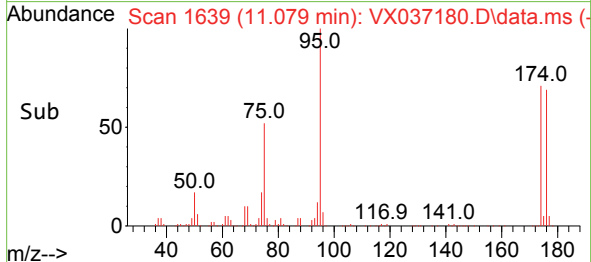
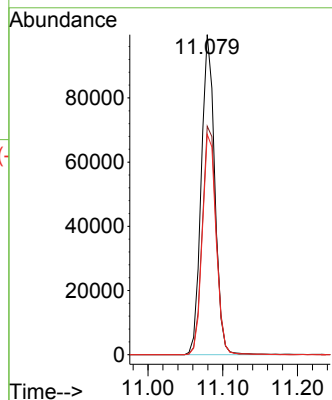
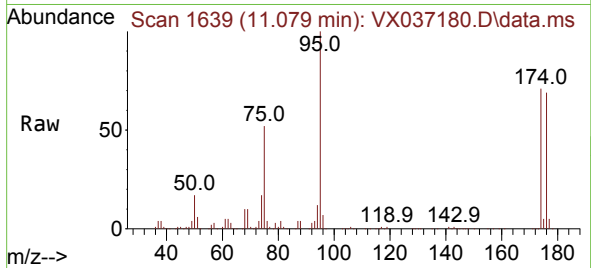




#62
4-Bromofluorobenzene
Concen: 51.282 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

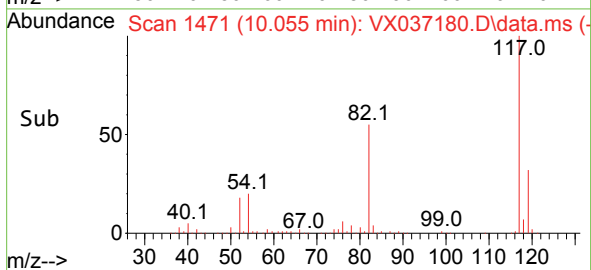
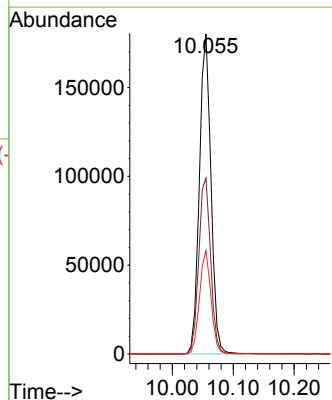
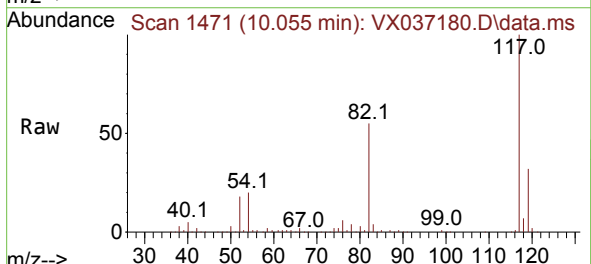
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB06-Z22-23DL

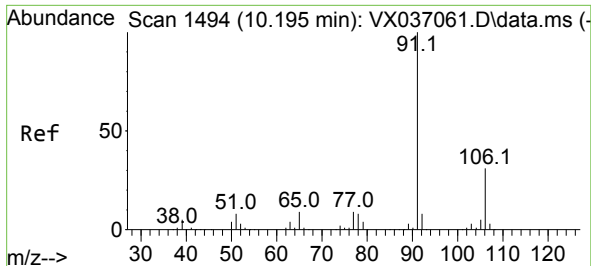
Tgt Ion: 95 Resp: 124861
Ion Ratio Lower Upper
95 100
174 74.1 0.0 135.6
176 70.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

Tgt Ion: 117 Resp: 237552
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.3 25.5 38.3

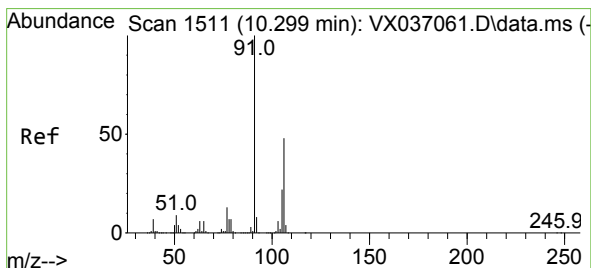
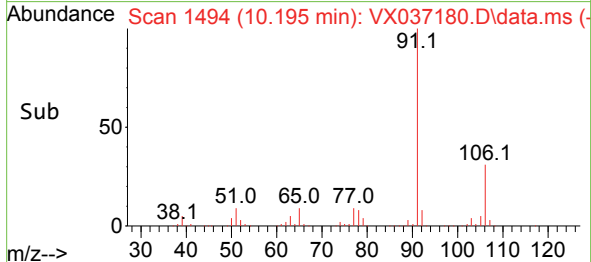
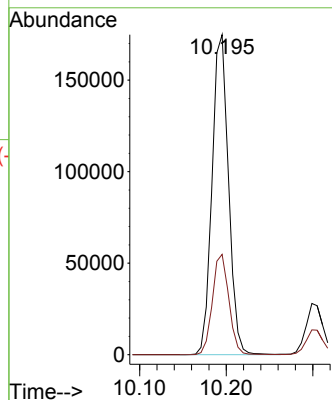
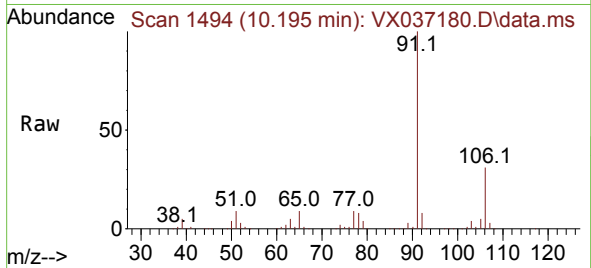




#67
Ethyl Benzene
Concen: 26.132 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

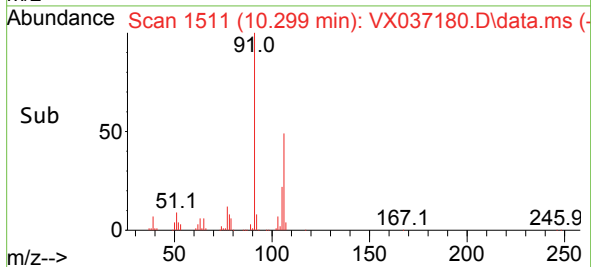
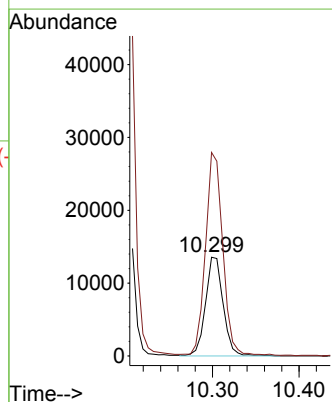
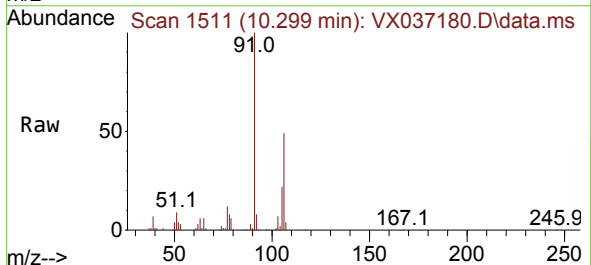
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB06-Z22-23DL

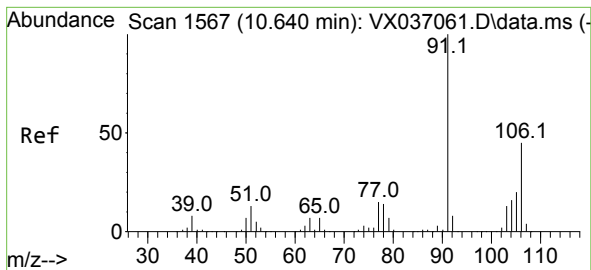
Tgt Ion: 91 Resp: 230869
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 5.630 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

Tgt Ion: 106 Resp: 19207
Ion Ratio Lower Upper
106 100
91 201.3 165.5 248.3





#69

o-Xylene

Concen: 6.895 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037180.D

Acq: 23 Aug 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

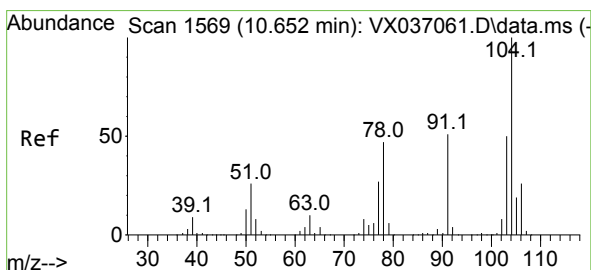
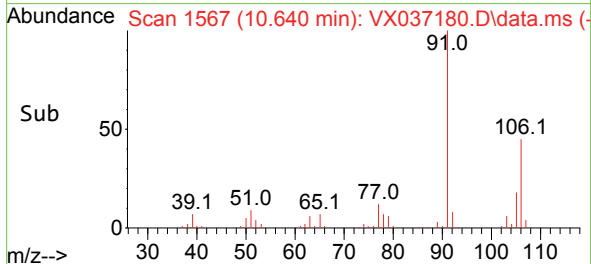
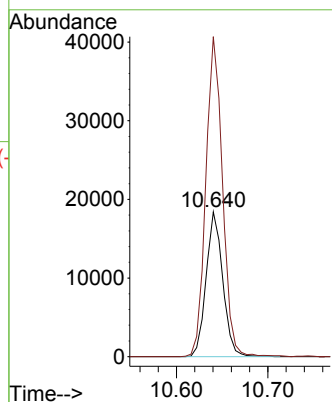
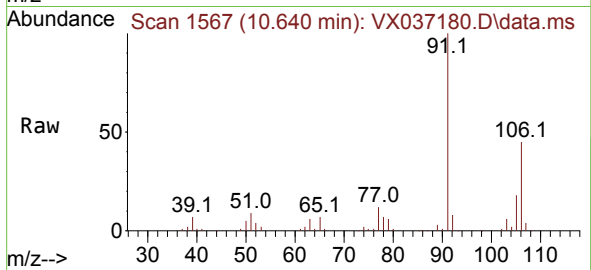
NEVINS-SB06-Z22-23DL

Tgt Ion:106 Resp: 23208

Ion Ratio Lower Upper

106 100

91 222.1 108.9 326.8



#70

Styrene

Concen: 0.240 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.012 min

Lab File: VX037180.D

Acq: 23 Aug 2023 13:52

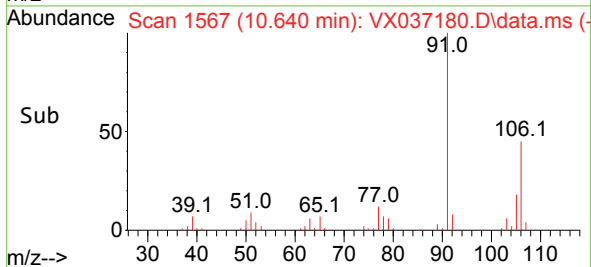
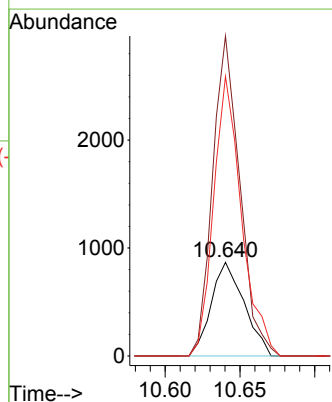
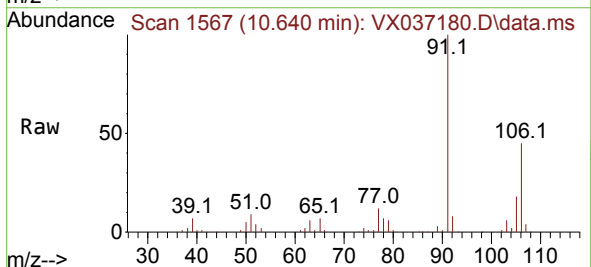
Tgt Ion:104 Resp: 1330

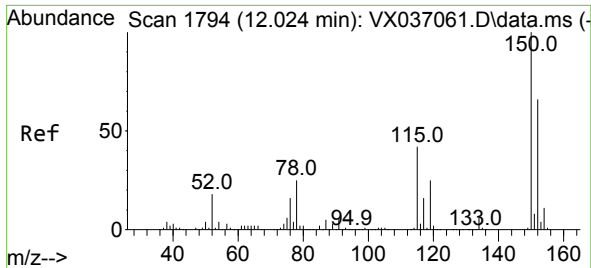
Ion Ratio Lower Upper

104 100

78 282.1 43.6 65.4#

103 253.5 43.6 65.4#

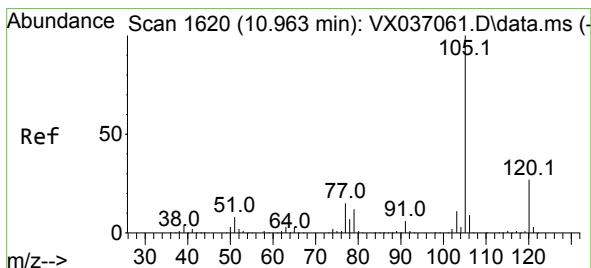
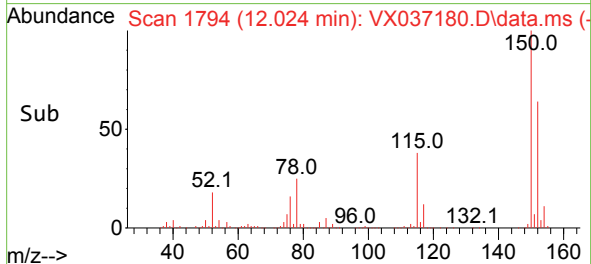
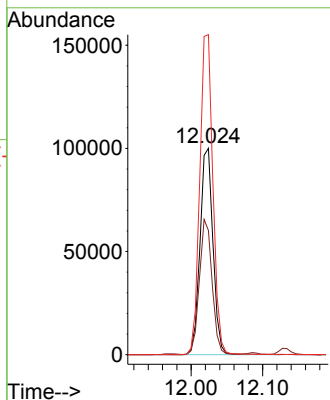
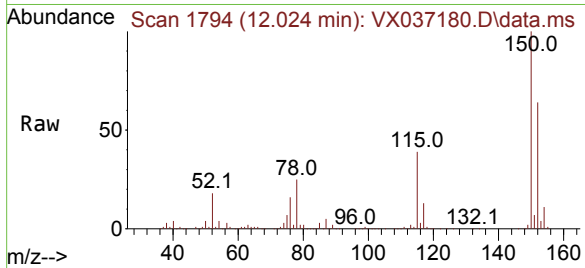




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037180.D
 Acq: 23 Aug 2023 13:52

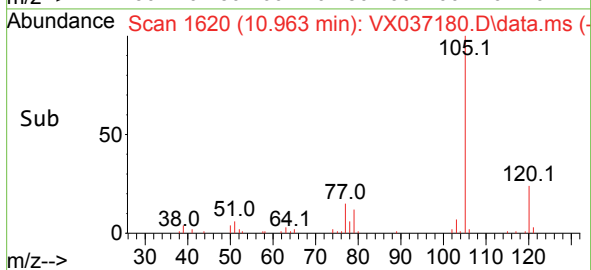
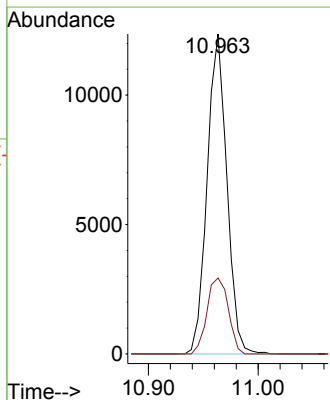
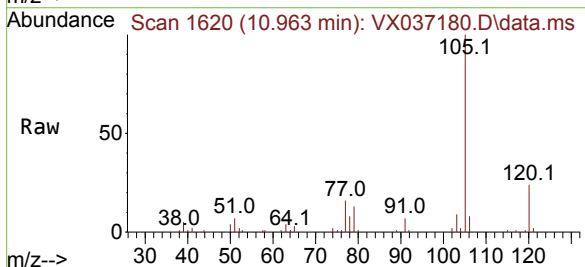
Instrument :
 MSVOA_X
 ClientSampleId :
 NEVINS-SB06-Z22-23DL

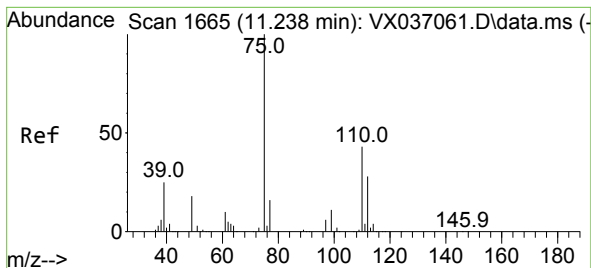
Tgt Ion:152 Resp: 126001
 Ion Ratio Lower Upper
 152 100
 115 63.8 43.3 129.9
 150 157.1 0.0 345.0



#73
 Isopropylbenzene
 Concen: 1.684 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX037180.D
 Acq: 23 Aug 2023 13:52

Tgt Ion:105 Resp: 15420
 Ion Ratio Lower Upper
 105 100
 120 25.7 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 24.085 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037180.D

Acq: 23 Aug 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

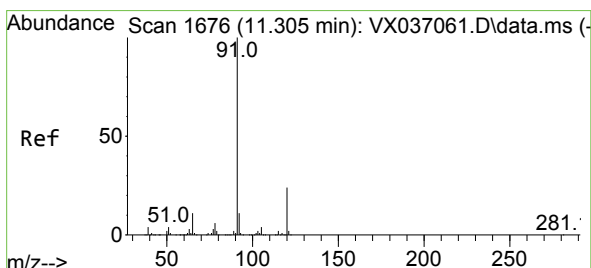
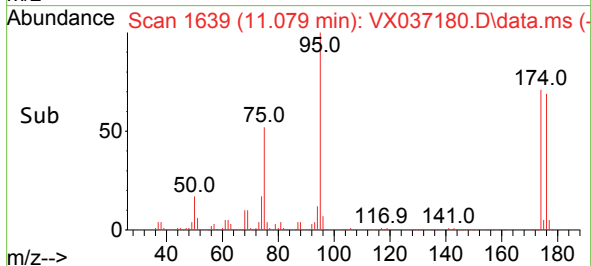
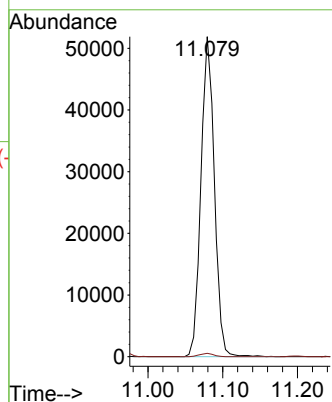
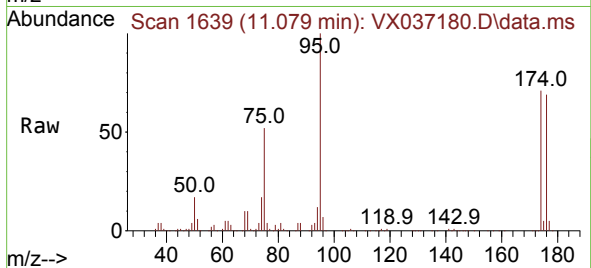
NEVINS-SB06-Z22-23DL

Tgt Ion: 75 Resp: 64631

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#78

n-propylbenzene

Concen: 0.513 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX037180.D

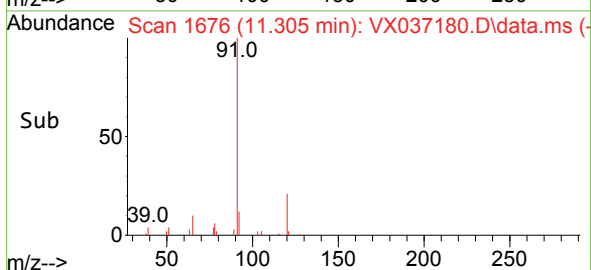
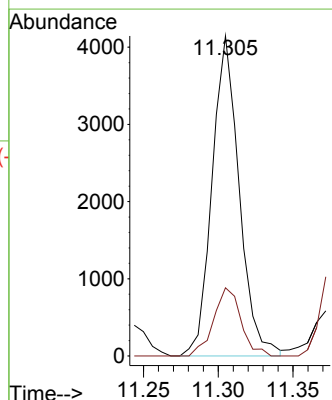
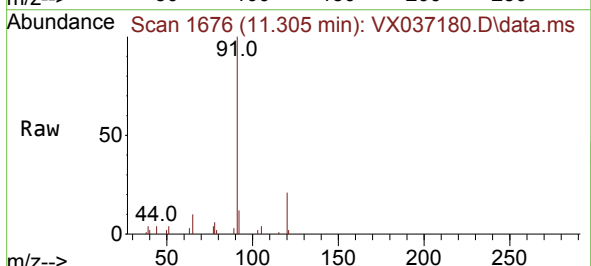
Acq: 23 Aug 2023 13:52

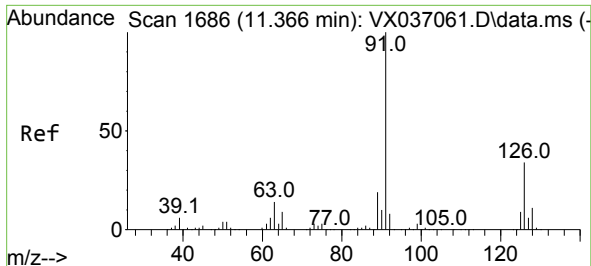
Tgt Ion: 91 Resp: 5233

Ion Ratio Lower Upper

91 100

120 21.5 11.5 34.4

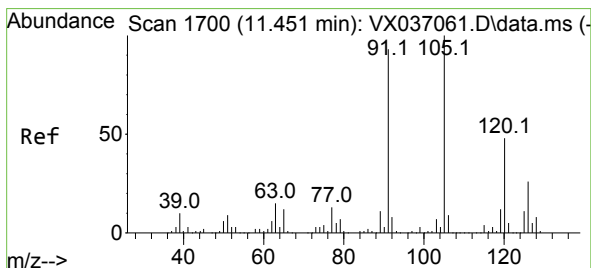
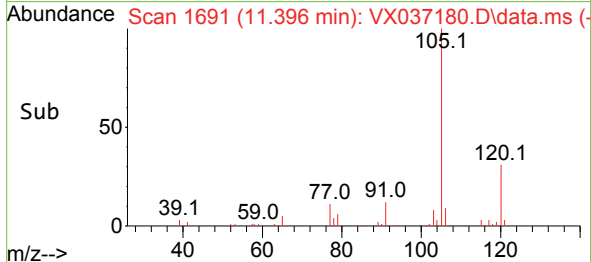
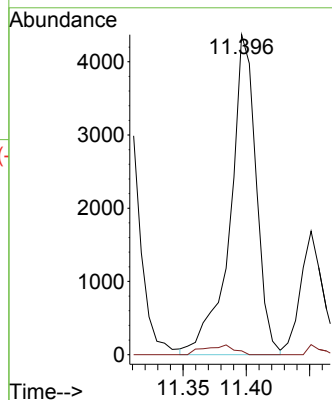
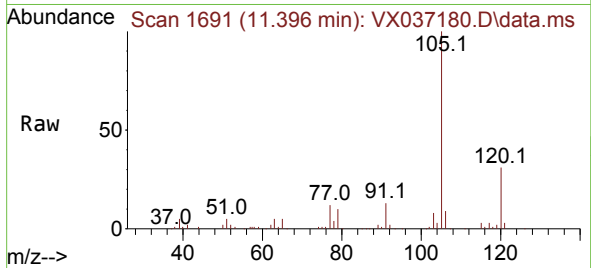




#79
2-Chlorotoluene
Concen: 0.963 ug/l
RT: 11.396 min Scan# 11
Delta R.T. 0.030 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

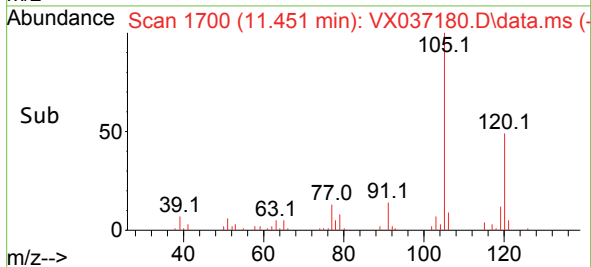
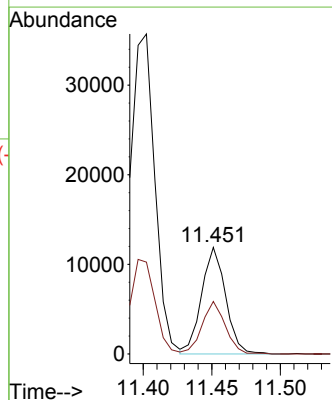
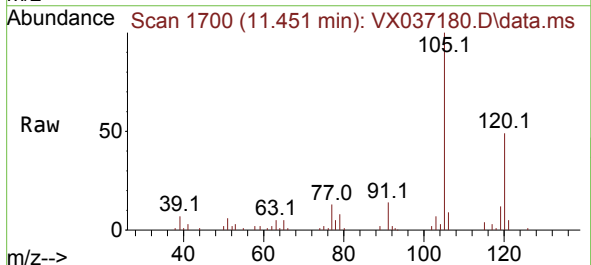
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB06-Z22-23DL

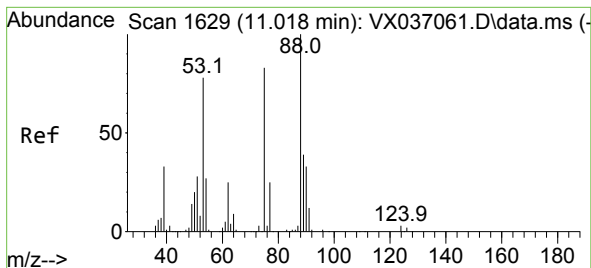
Tgt Ion: 91 Resp: 6274
Ion Ratio Lower Upper
91 100
126 3.5 16.3 48.8#



#80
1,3,5-Trimethylbenzene
Concen: 1.909 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

Tgt Ion: 105 Resp: 14585
Ion Ratio Lower Upper
105 100
120 47.5 24.1 72.3

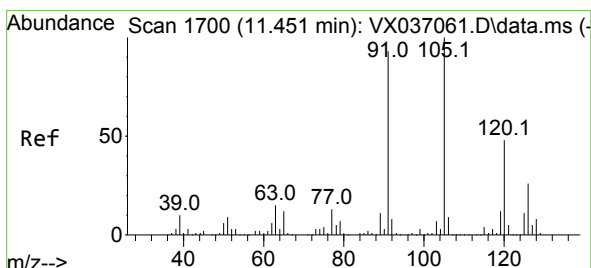
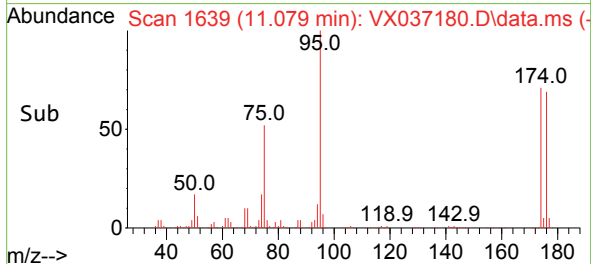
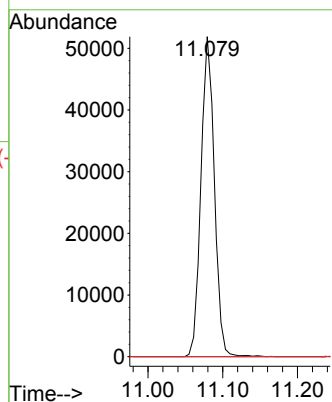
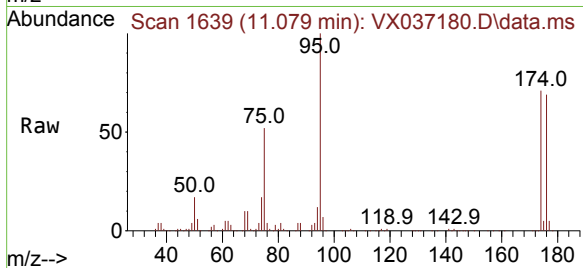




#81
trans-1,4-Dichloro-2-butene
Concen: 67.272 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

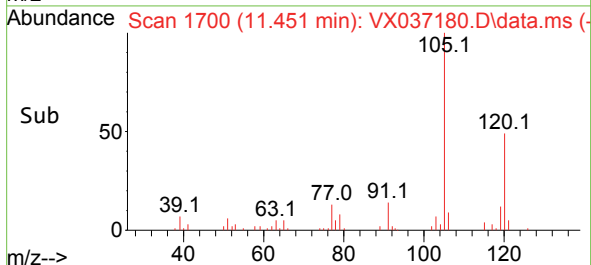
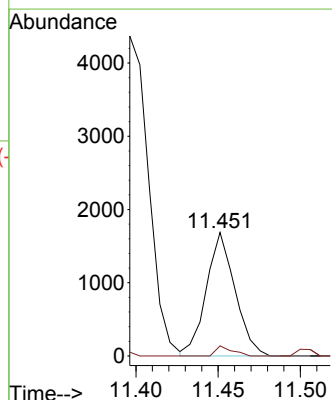
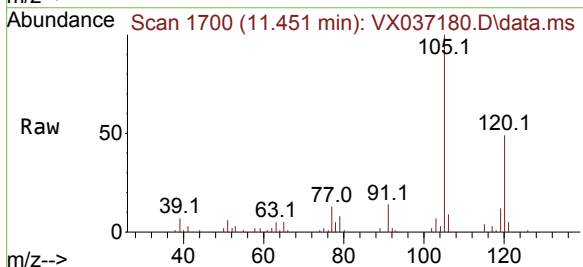
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB06-Z22-23DL

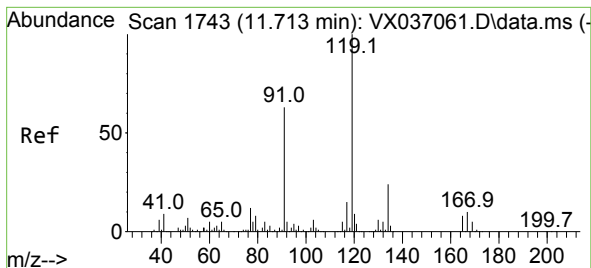
Tgt Ion: 75 Resp: 64631
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.273 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX037180.D
Acq: 23 Aug 2023 13:52

Tgt Ion: 91 Resp: 2051
Ion Ratio Lower Upper
91 100
126 4.6 14.2 42.6#





#83

tert-Butylbenzene

Concen: 0.955 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.037 min

Lab File: VX037180.D

Acq: 23 Aug 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

NEVINS-SB06-Z22-23DL

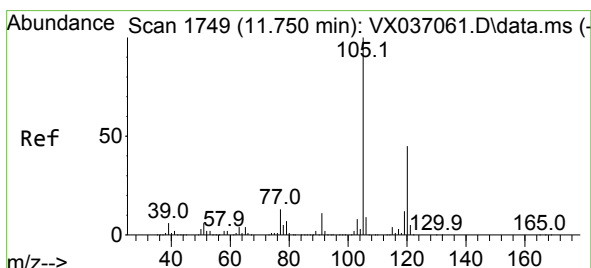
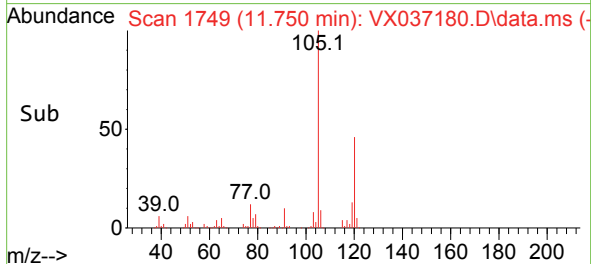
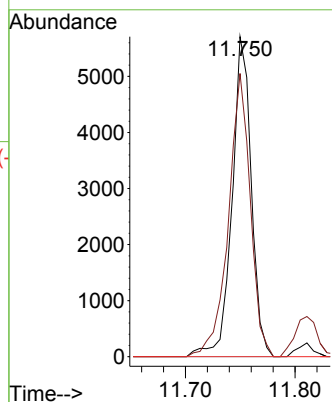
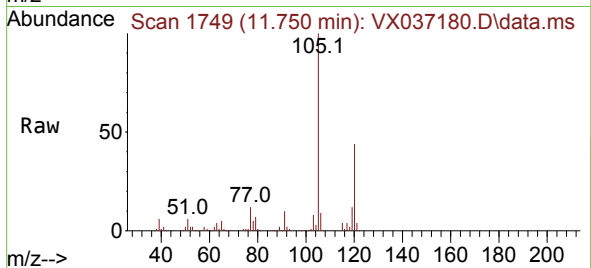
Tgt Ion:119 Resp: 6956

Ion Ratio Lower Upper

119 100

91 100.8 31.2 93.6#

134 0.0 11.7 35.0#



#84

1,2,4-Trimethylbenzene

Concen: 7.541 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX037180.D

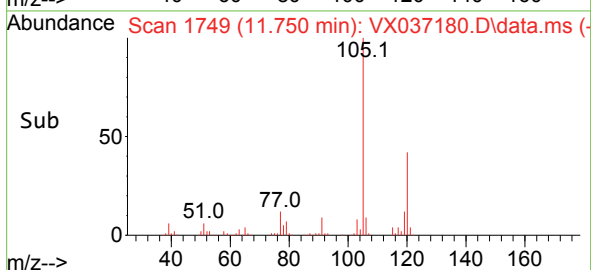
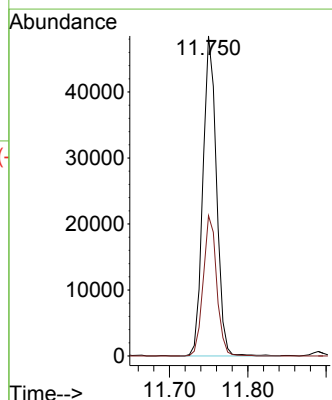
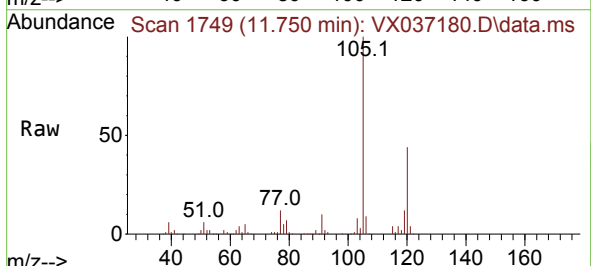
Acq: 23 Aug 2023 13:52

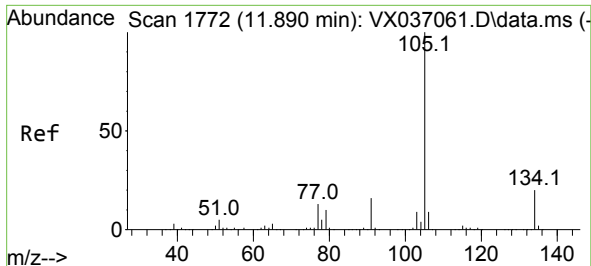
Tgt Ion:105 Resp: 58226

Ion Ratio Lower Upper

105 100

120 43.6 21.2 63.6

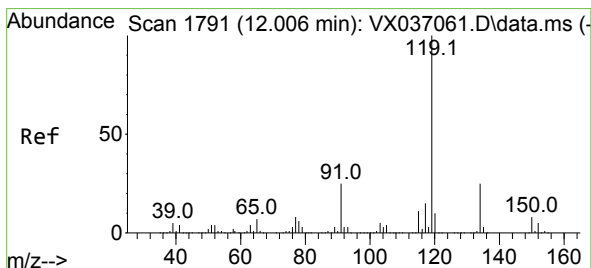
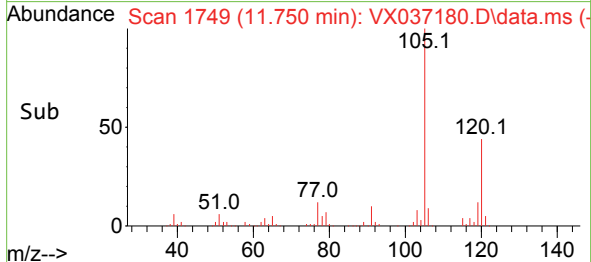
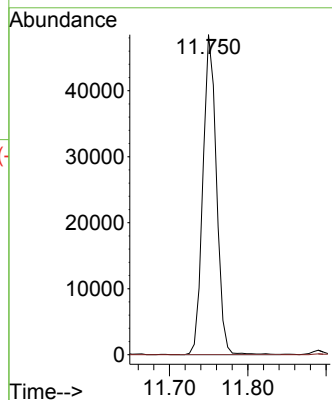
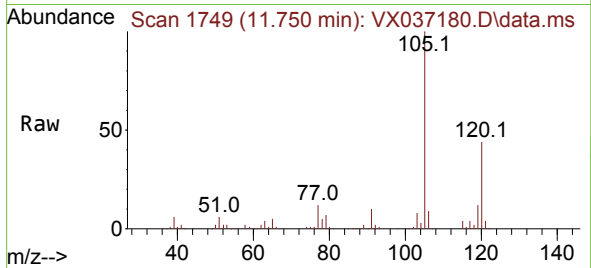




#85
 sec-Butylbenzene
 Concen: 6.842 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.140 min
 Lab File: VX037180.D
 Acq: 23 Aug 2023 13:52

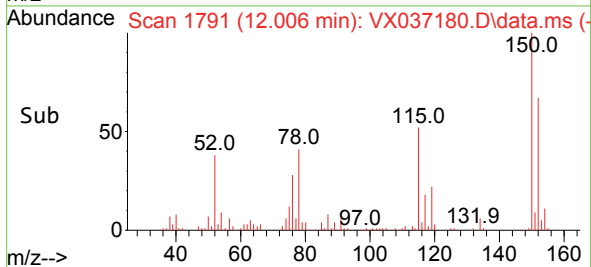
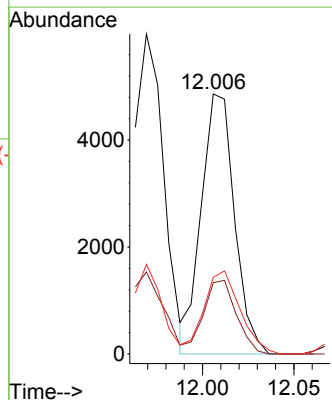
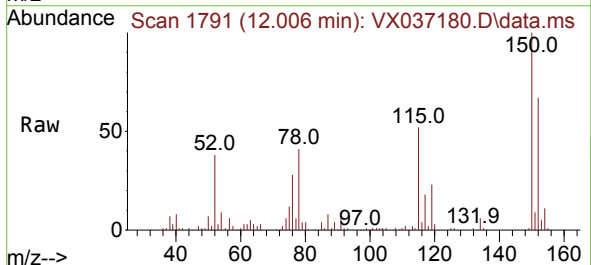
Instrument :
 MSVOA_X
 ClientSampleId :
 NEVINS-SB06-Z22-23DL

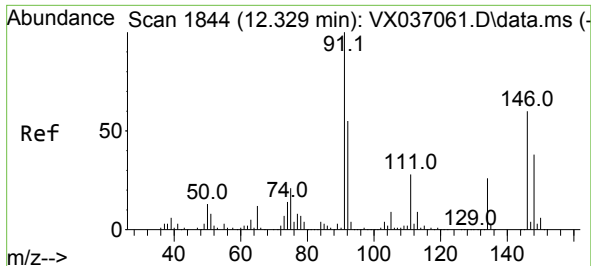
Tgt Ion:105 Resp: 58226
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 0.839 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX037180.D
 Acq: 23 Aug 2023 13:52

Tgt Ion:119 Resp: 6145
 Ion Ratio Lower Upper
 119 100
 134 28.3 12.8 38.3
 91 0.0 13.1 39.3#





#89

n-Butylbenzene

Concen: 1.126 ug/l

RT: 12.317 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX037180.D

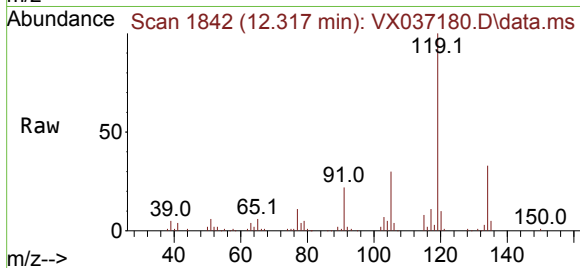
Acq: 23 Aug 2023 13:52

Instrument :

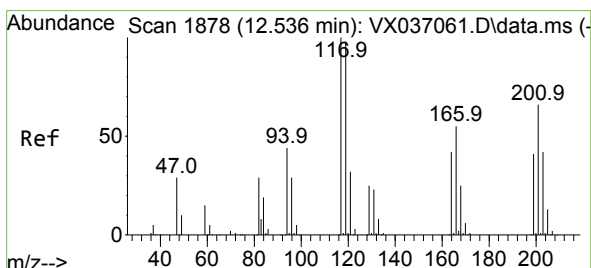
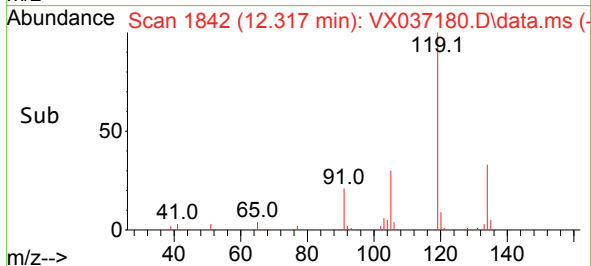
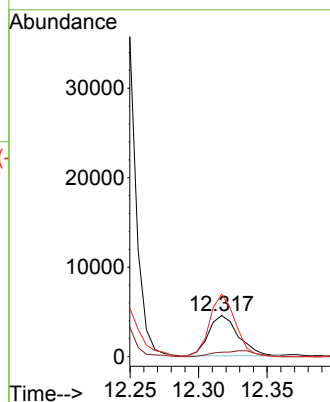
MSVOA_X

ClientSampleId :

NEVINS-SB06-Z22-23DL



Tgt Ion: 91	Resp: 6838
Ion Ratio	Lower Upper
91	100
92	19.6 27.4 82.0#
134	134.4 12.6 37.8#



#90

Hexachloroethane

Concen: 14.986 ug/l

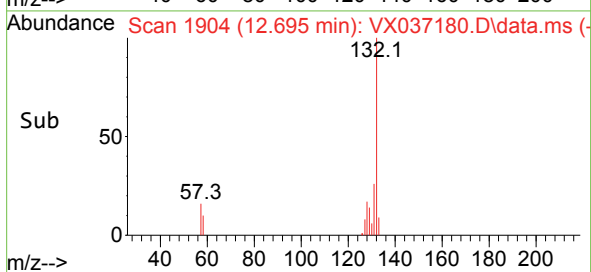
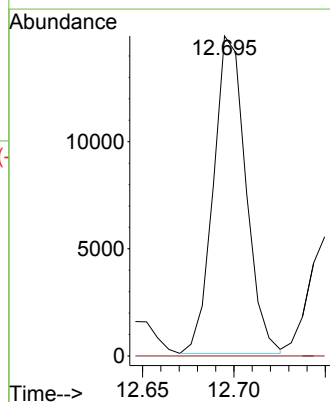
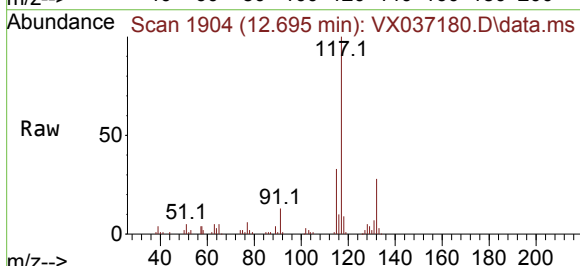
RT: 12.695 min Scan# 1904

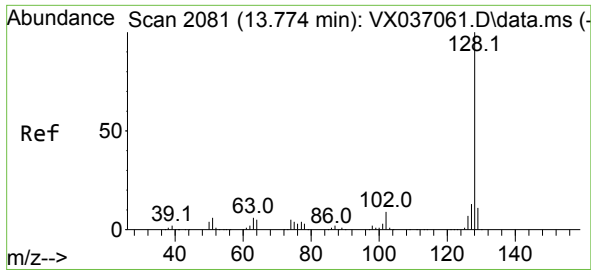
Delta R.T. 0.159 min

Lab File: VX037180.D

Acq: 23 Aug 2023 13:52

Tgt Ion: 117	Resp: 18325
Ion Ratio	Lower Upper
117	100
201	0.0 32.9 98.6#





#95

Naphthalene

Concen: 334.389 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX037180.D

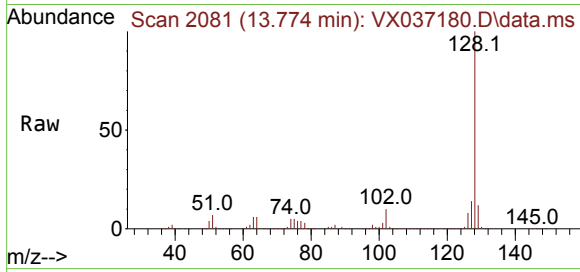
Acq: 23 Aug 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

NEVINS-SB06-Z22-23DL



Tgt Ion:128 Resp: 3514467

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 11.8 8.8 13.2

