

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037043.D
 Acq On : 17 Aug 2023 06:47
 Operator : JC/MD
 Sample : 03958-07 10X
 Misc : 7.94g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NEVINS-SB02-Z10-12DL

Quant Time: Aug 17 07:14:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

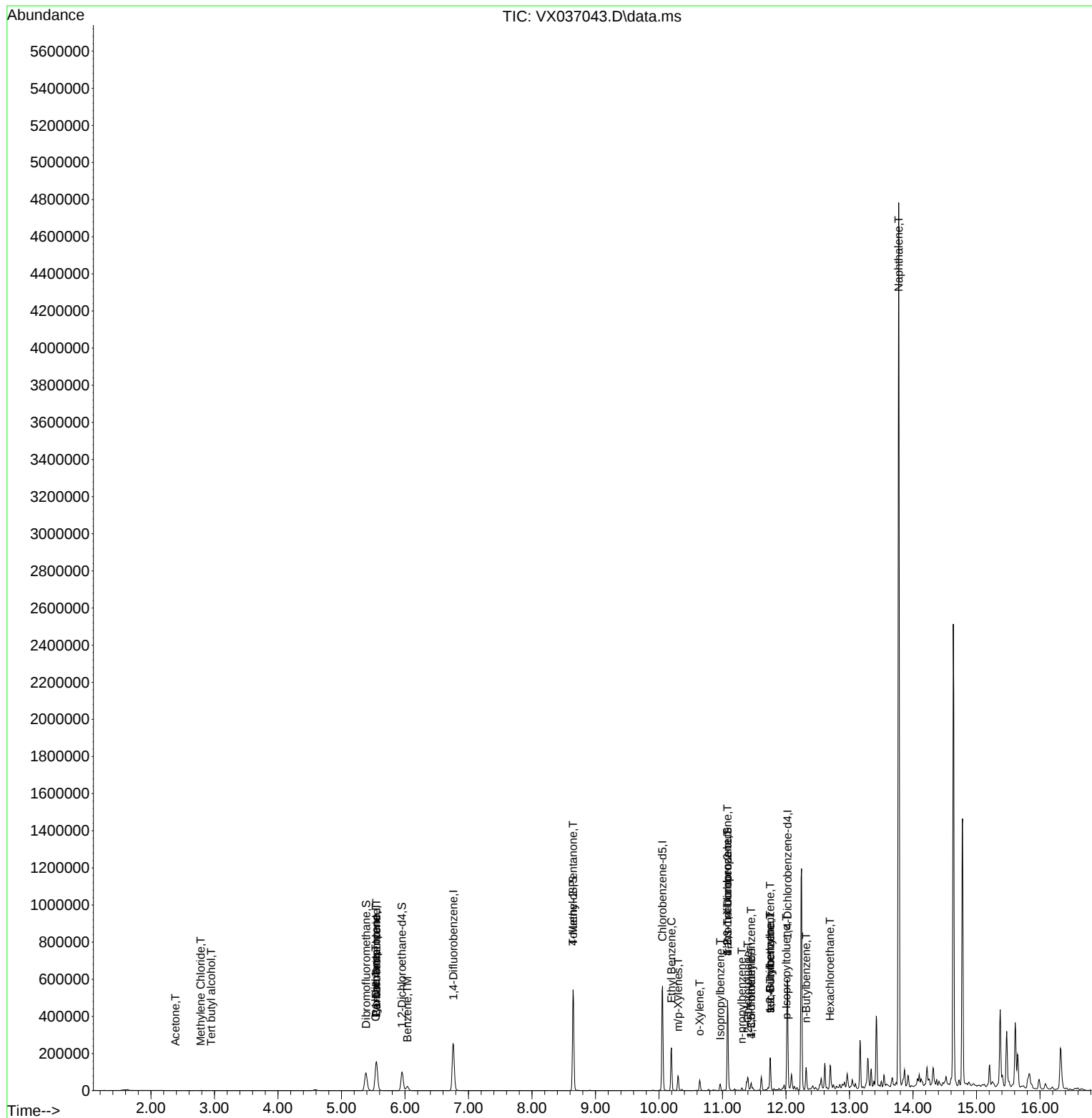
Internal Standards						
1) Pentafluorobenzene	5.550	168	143780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	267635	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100588	47.281	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.560%		
35) Dibromofluoromethane	5.385	113	84243	45.795	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.580%		
50) Toluene-d8	8.647	98	322109	49.376	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.760%		
62) 4-Bromofluorobenzene	11.079	95	130671	53.092	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.180%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	557	1.106	ug/l #	78
16) Acetone	2.386	43	671	0.760	ug/l	99
20) Methylene Chloride	2.782	84	904	0.460	ug/l #	71
31) Cyclohexane	5.538	56	3219	1.093	ug/l #	3
36) 1,1-Dichloropropene	5.544	75	11642	4.246	ug/l #	51
38) Carbon Tetrachloride	5.550	117	15654	5.370	ug/l #	16
40) Benzene	6.038	78	27326	3.425	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	1200	0.406	ug/l #	1
67) Ethyl Benzene	10.195	91	133648	12.690	ug/l	98
68) m/p-Xylenes	10.299	106	18492	4.706	ug/l	98
69) o-Xylene	10.640	106	12003	3.060	ug/l	94
73) Isopropylbenzene	10.964	105	18322	1.771	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	68764	23.392	ug/l #	39
78) n-propylbenzene	11.305	91	9504	0.795	ug/l	99
79) 2-Chlorotoluene	11.396	91	6555	0.904	ug/l #	47
80) 1,3,5-Trimethylbenzene	11.451	105	16517	1.909	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	68764	53.018	ug/l #	5
82) 4-Chlorotoluene	11.451	91	2029	0.246	ug/l #	48
83) tert-Butylbenzene	11.750	119	8780	1.033	ug/l #	46
84) 1,2,4-Trimethylbenzene	11.750	105	72950	8.430	ug/l	97
85) sec-Butylbenzene	11.750	105	72950	6.881	ug/l #	57
86) p-Isopropyltoluene	12.006	119	8588	0.985	ug/l	94
89) n-Butylbenzene	12.317	91	12301	1.575	ug/l #	1
90) Hexachloroethane	12.695	117	54755	30.963	ug/l #	17
95) Naphthalene	13.774	128	2755287	304.832	ug/l	98

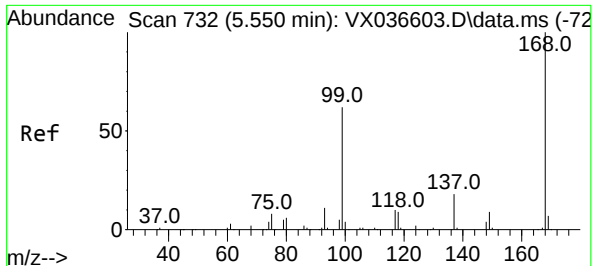
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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NEVINS-SB02-Z10-12DL

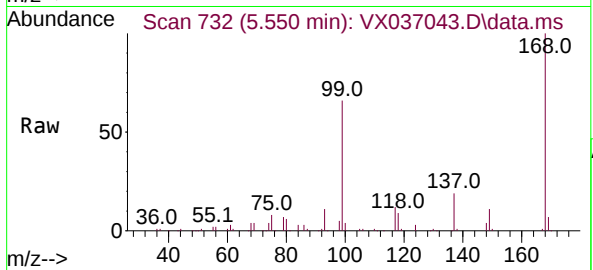
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



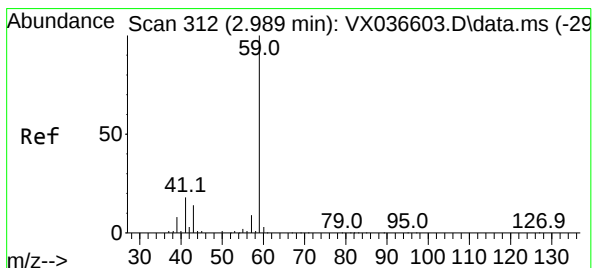
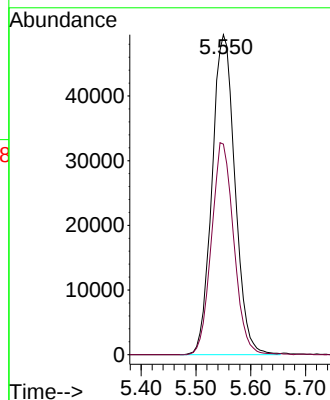
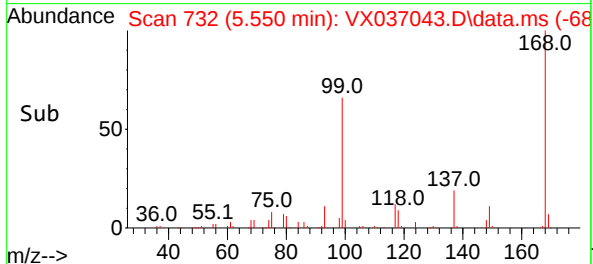


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB02-Z10-12DL

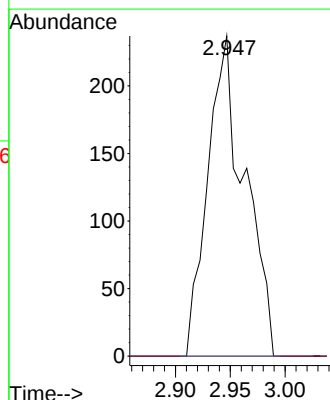
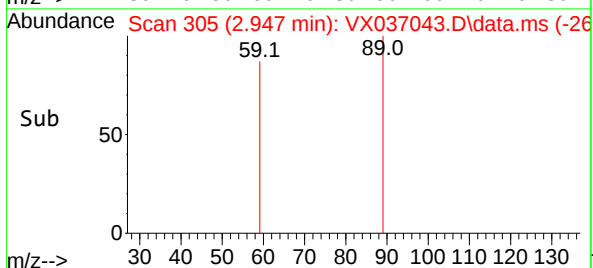
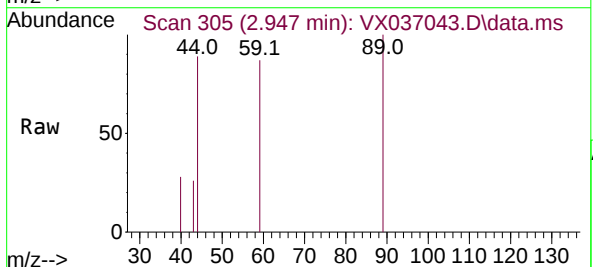


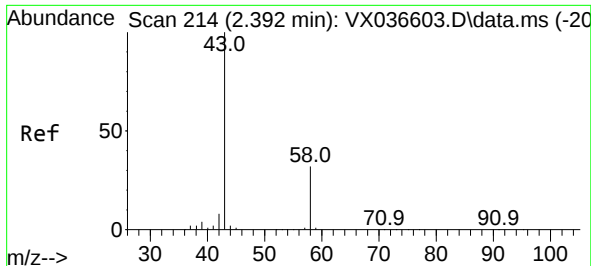
Tgt Ion:168 Resp: 143780
Ion Ratio Lower Upper
168 100
99 65.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.106 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion: 59 Resp: 557
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

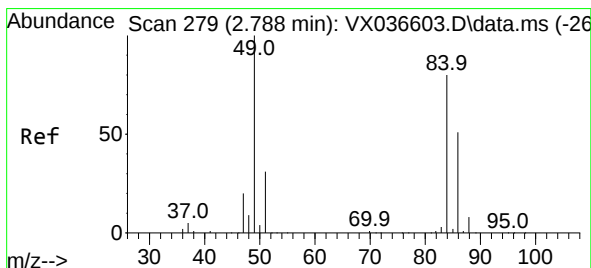
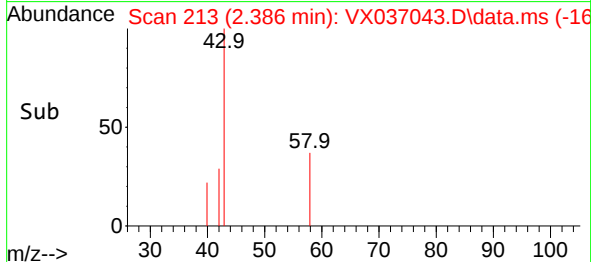
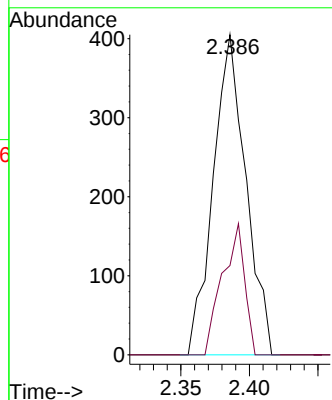
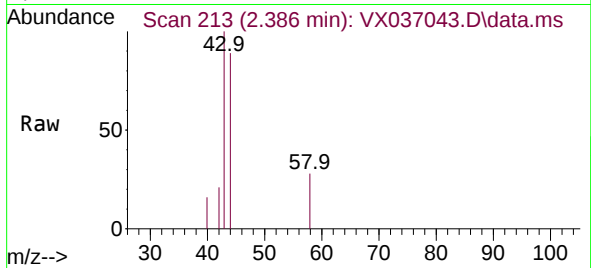




#16
Acetone
Concen: 0.760 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

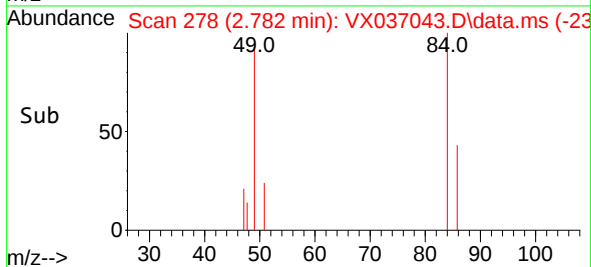
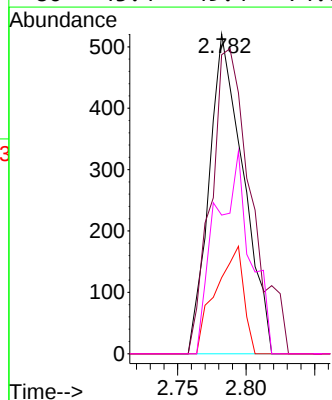
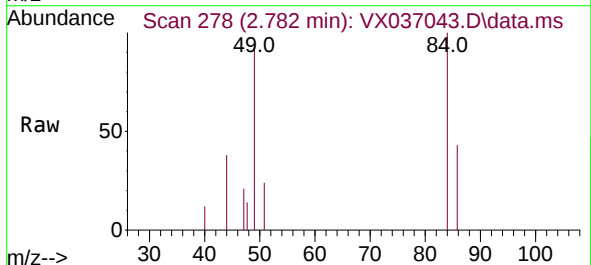
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB02-Z10-12DL

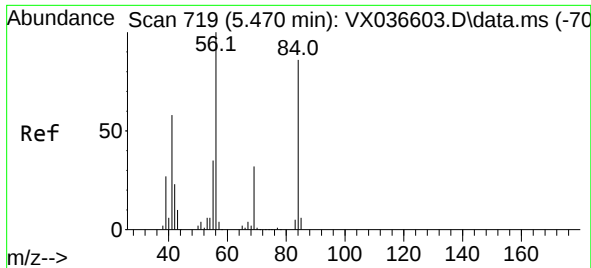
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 27.9 21.9 32.9



#20
Methylene Chloride
Concen: 0.460 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion: 84 Resp: 904
Ion Ratio Lower Upper
84 100
49 93.5 103.6 155.4#
51 23.8 33.8 50.6#
86 43.4 49.4 74.0#

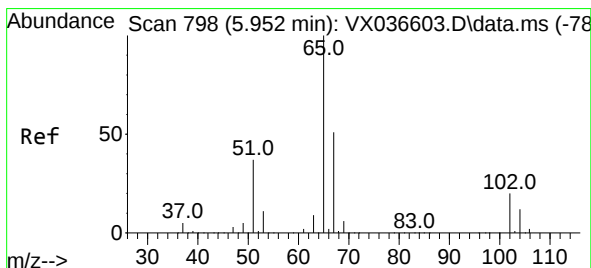
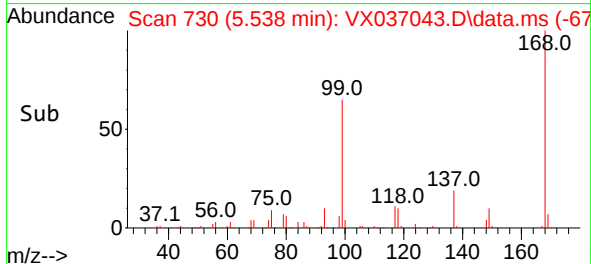
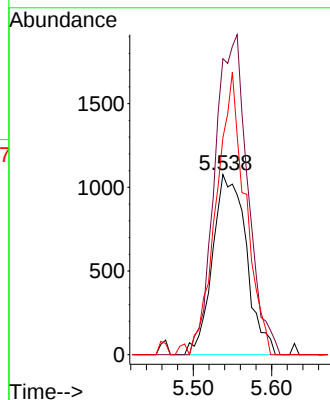
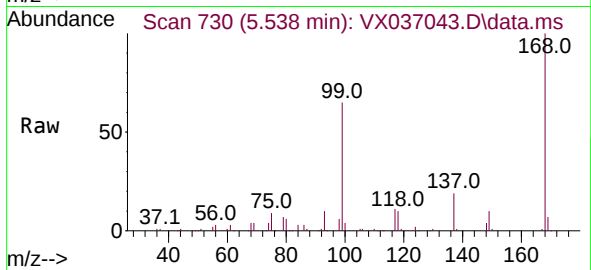




#31
Cyclohexane
Concen: 1.093 ug/l
RT: 5.538 min Scan# 719
Delta R.T. 0.067 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

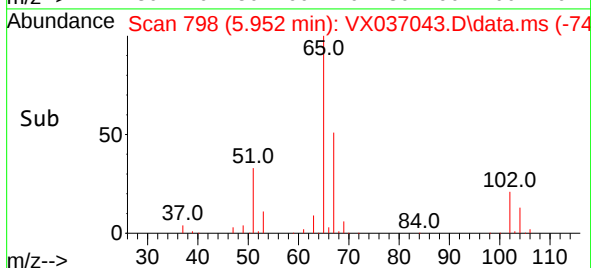
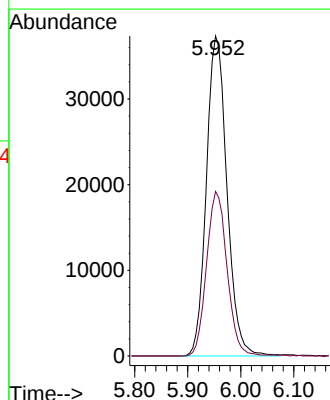
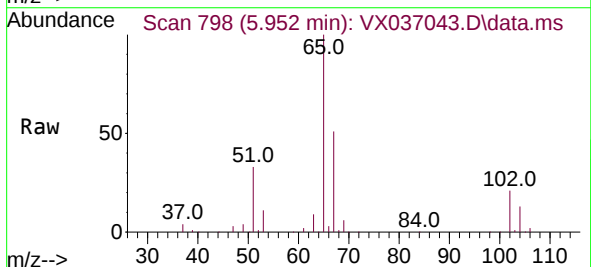
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB02-Z10-12DL

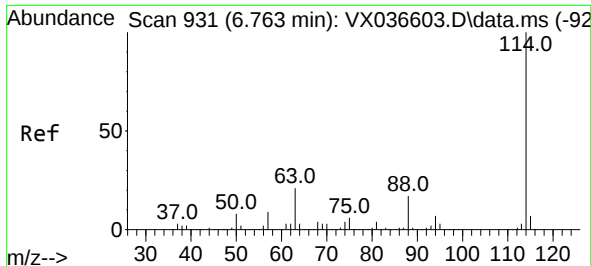
Tgt Ion: 56 Resp: 3219
Ion Ratio Lower Upper
56 100
69 164.3 23.4 35.2#
84 120.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.281 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion: 65 Resp: 100588
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

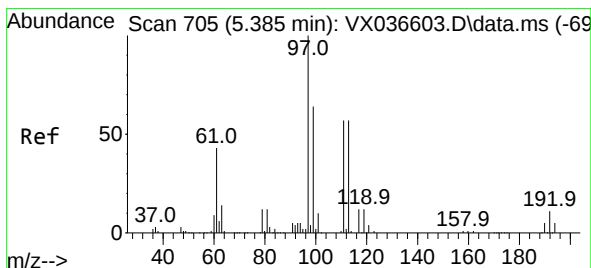
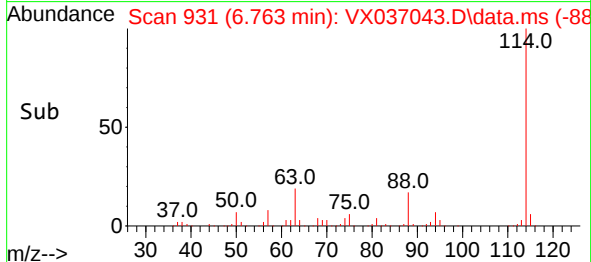
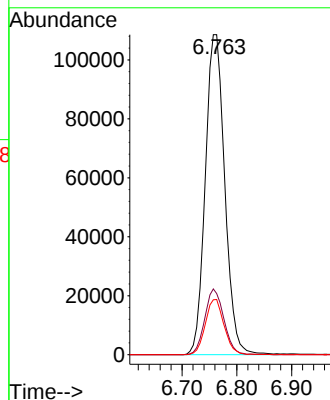
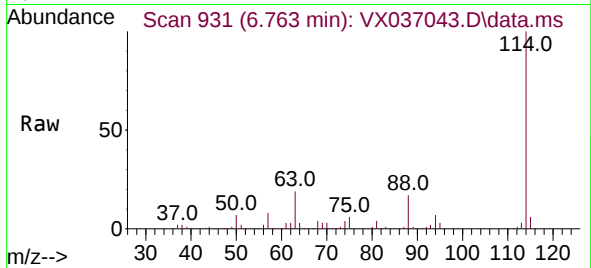




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

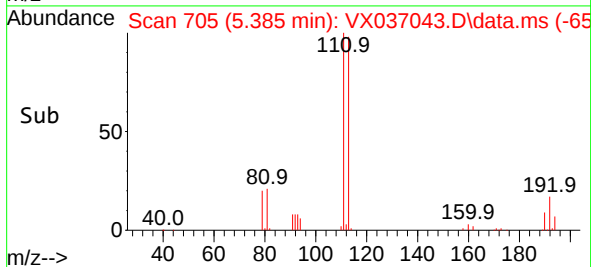
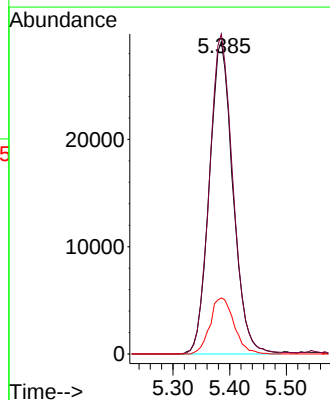
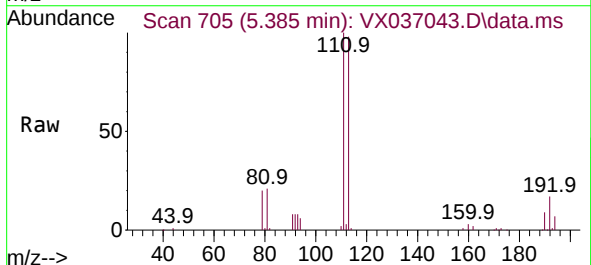
Instrument :
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ClientSampleId :
NEVINS-SB02-Z10-12DL

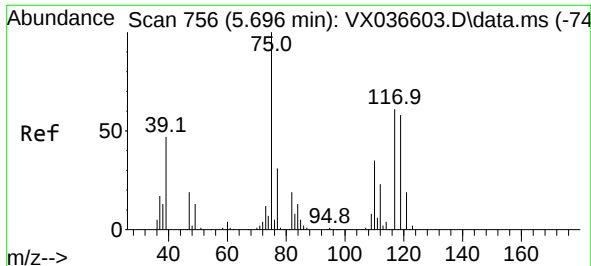
Tgt Ion:114 Resp: 267635
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 17.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.795 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion:113 Resp: 84243
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.2 13.3 19.9

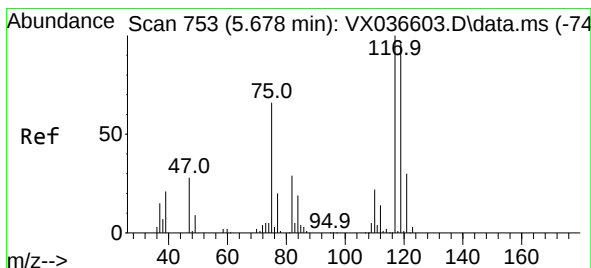
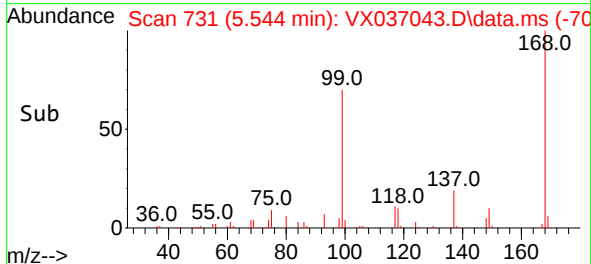
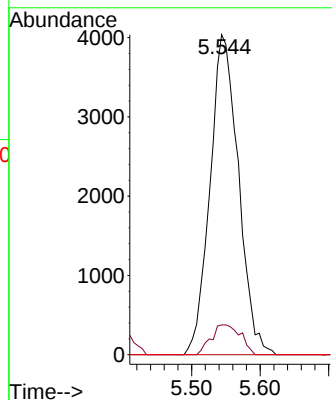
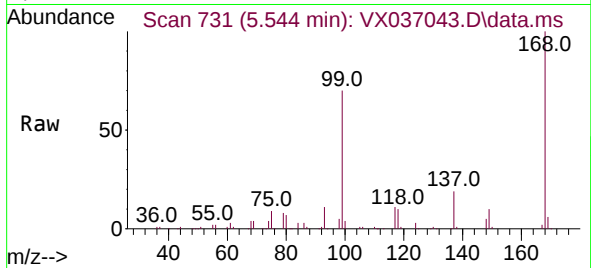




#36
1,1-Dichloropropene
Concen: 4.246 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

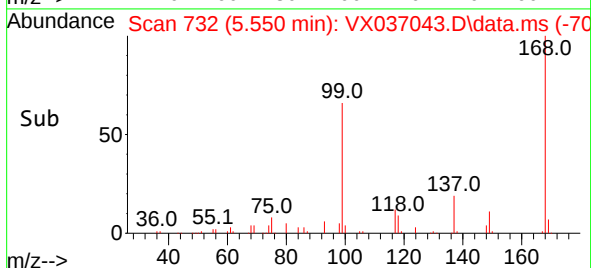
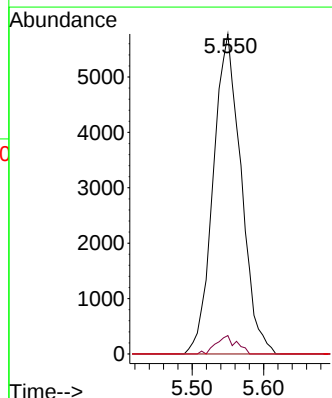
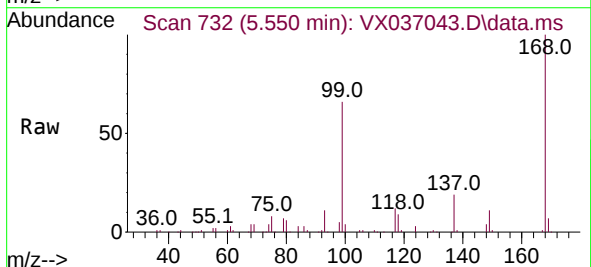
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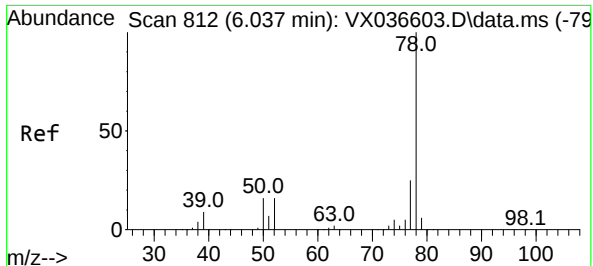
Tgt Ion: 75 Resp: 11642
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.370 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion: 117 Resp: 15654
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#

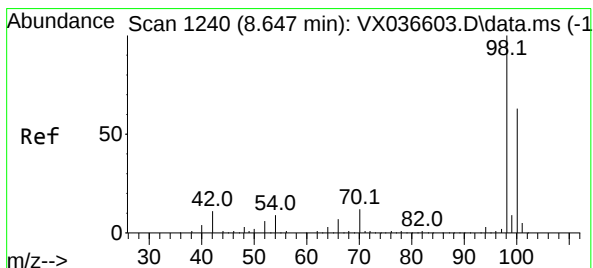
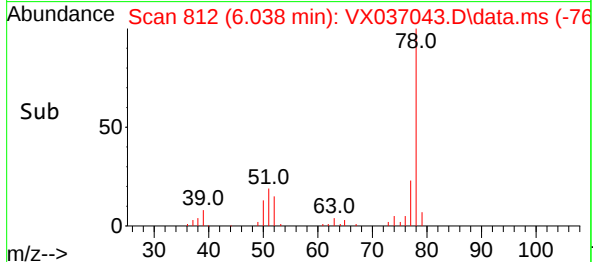
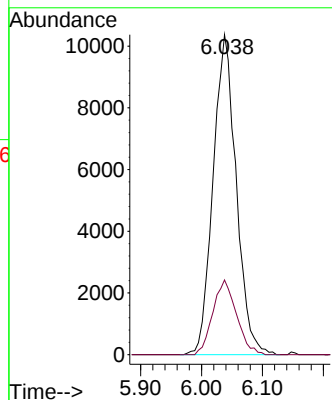
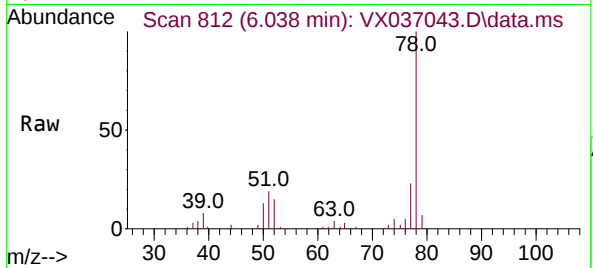




#40
Benzene
Concen: 3.425 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

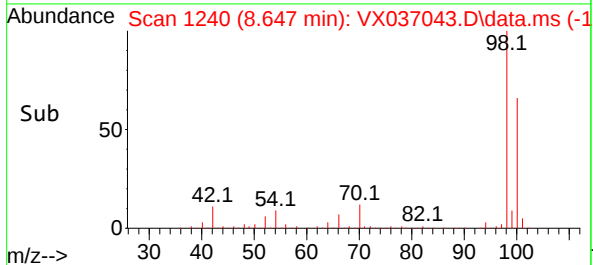
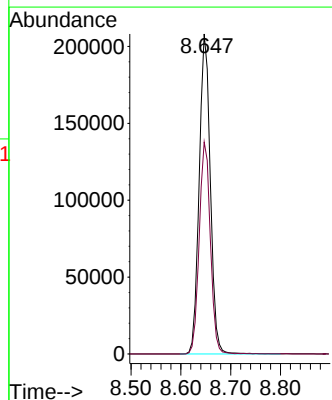
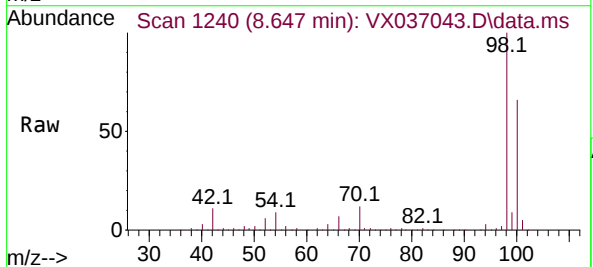
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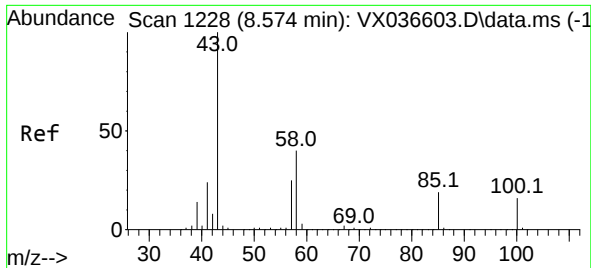
Tgt Ion: 78 Resp: 27326
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9



#50
Toluene-d8
Concen: 49.376 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion: 98 Resp: 322109
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

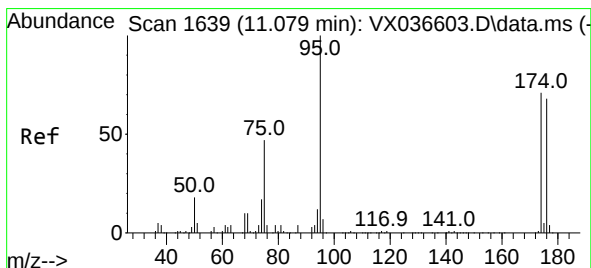
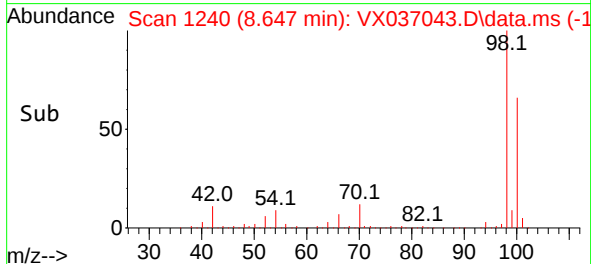
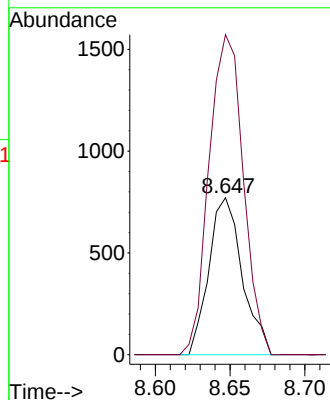
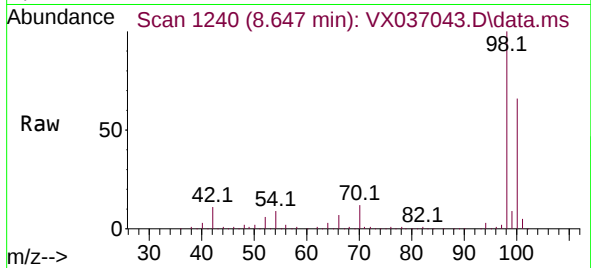




#51
4-Methyl-2-Pentanone
Concen: 0.406 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

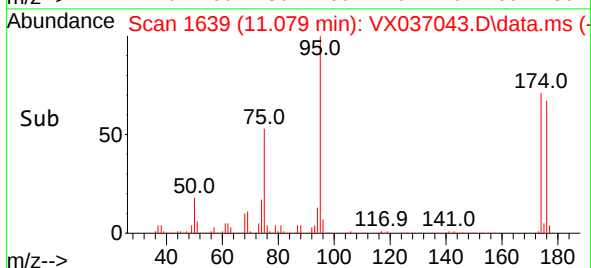
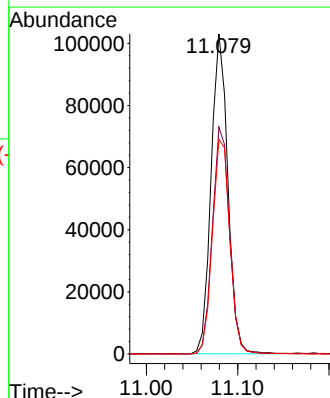
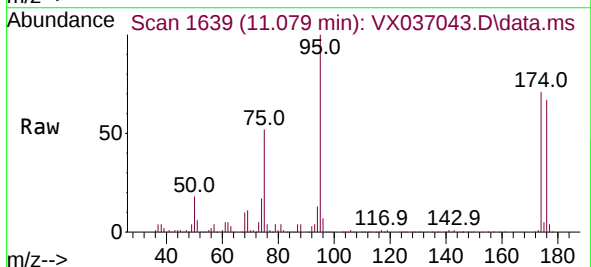
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB02-Z10-12DL

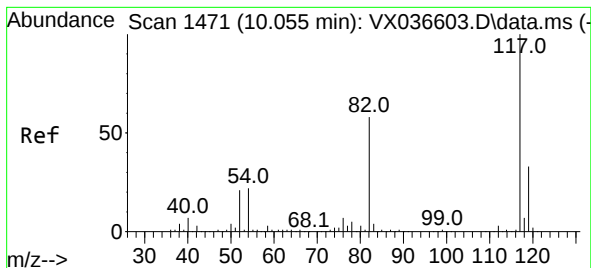
Tgt Ion: 43 Resp: 1200
Ion Ratio Lower Upper
43 100
58 208.8 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 53.092 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion: 95 Resp: 130671
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 70.4 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX037043.D

Acq: 17 Aug 2023 06:47

Instrument :

MSVOA_X

ClientSampleId :

NEVINS-SB02-Z10-12DL

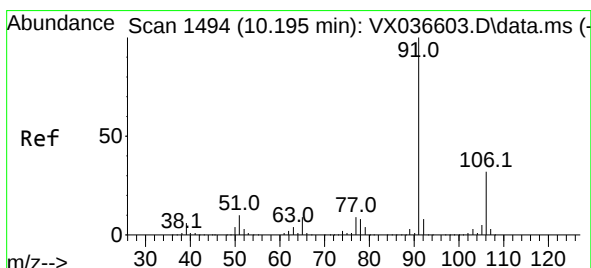
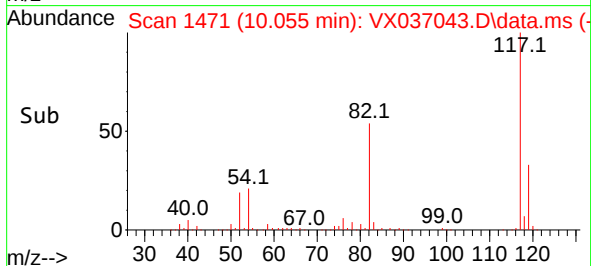
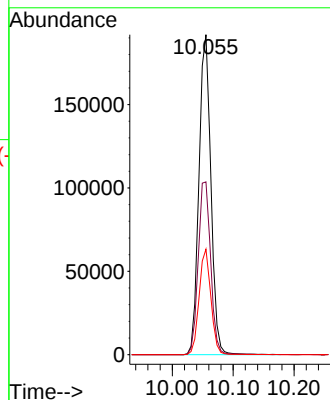
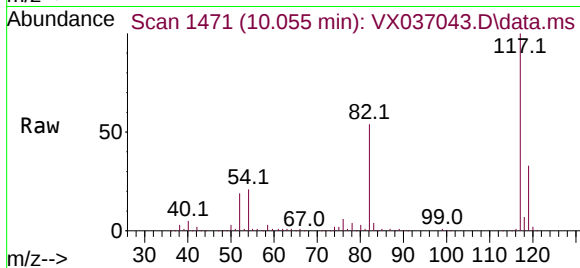
Tgt Ion:117 Resp: 261546

Ion Ratio Lower Upper

117 100

82 54.0 46.2 69.4

119 32.9 25.5 38.3



#67

Ethyl Benzene

Concen: 12.690 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX037043.D

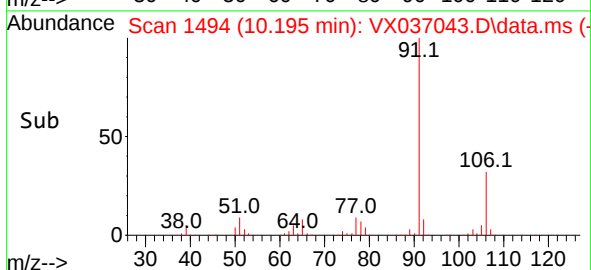
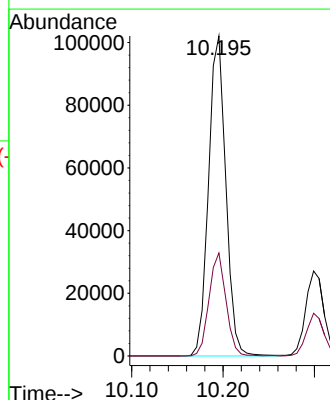
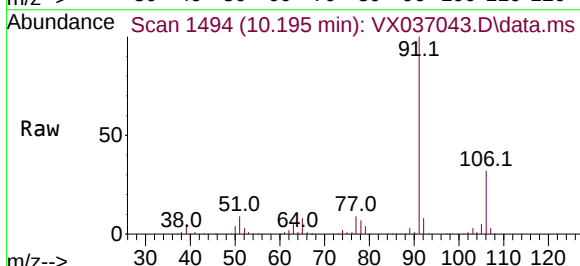
Acq: 17 Aug 2023 06:47

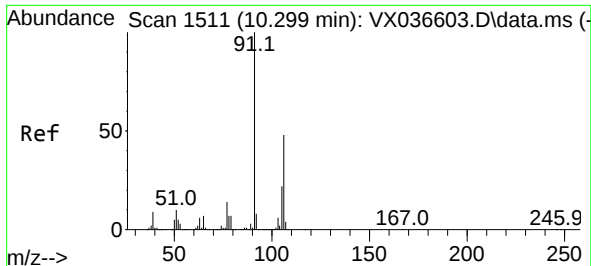
Tgt Ion: 91 Resp: 133648

Ion Ratio Lower Upper

91 100

106 32.2 24.9 37.3

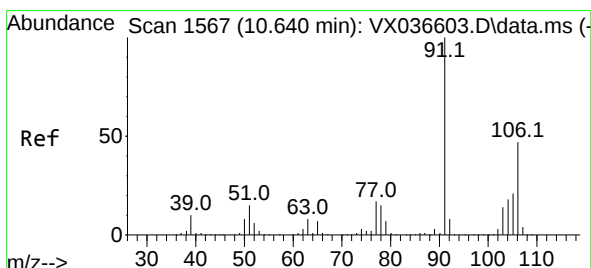
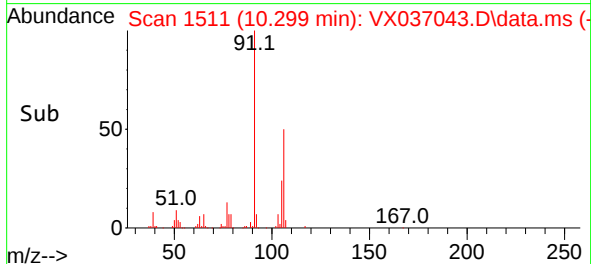
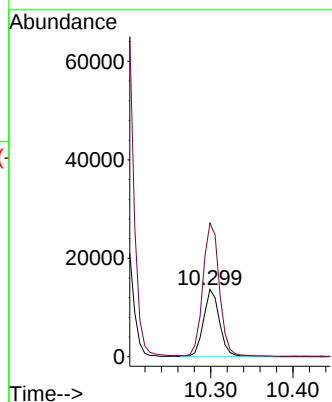
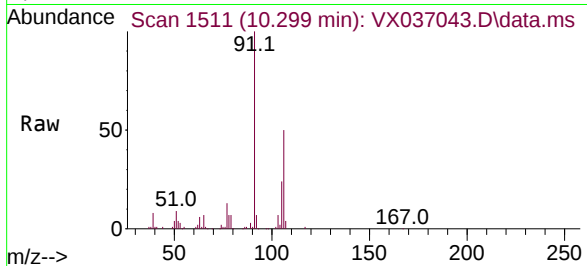




#68
m/p-Xylenes
Concen: 4.706 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

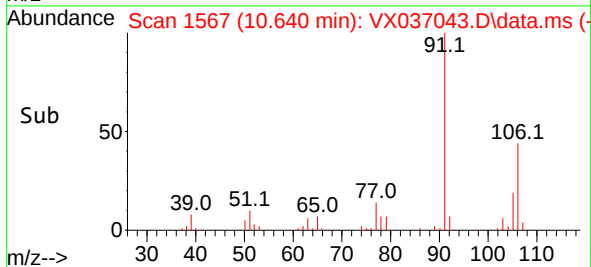
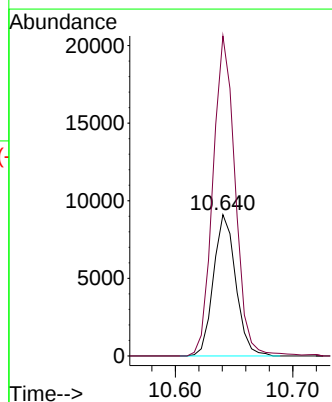
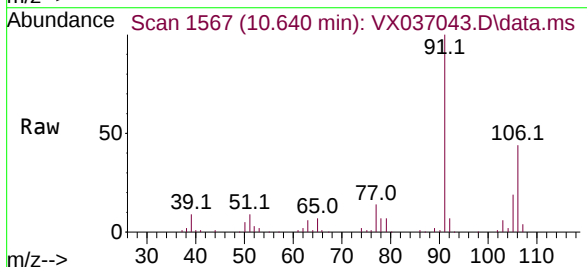
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB02-Z10-12DL

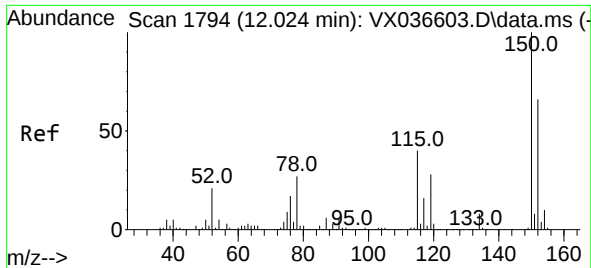
Tgt Ion:106 Resp: 18492
Ion Ratio Lower Upper
106 100
91 204.0 165.5 248.3



#69
o-Xylene
Concen: 3.060 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion:106 Resp: 12003
Ion Ratio Lower Upper
106 100
91 226.7 108.9 326.8

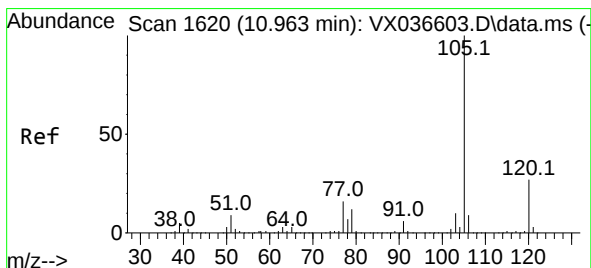
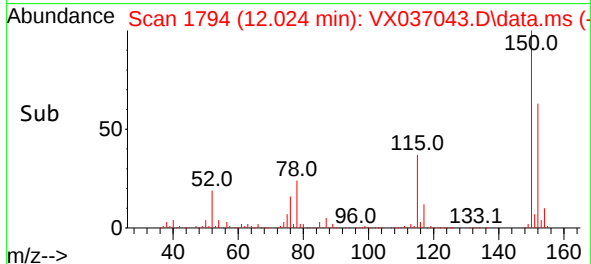
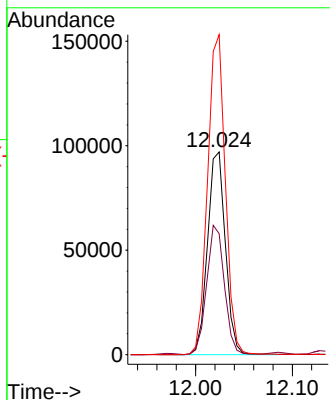
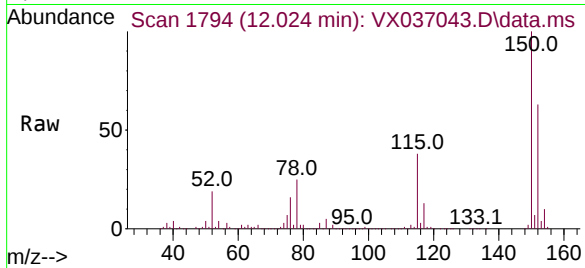




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

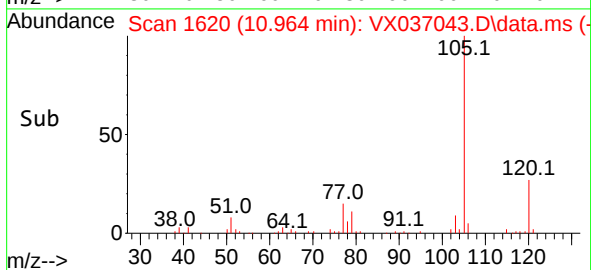
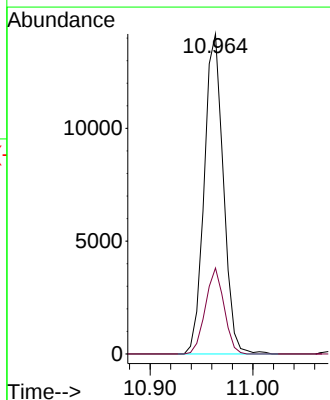
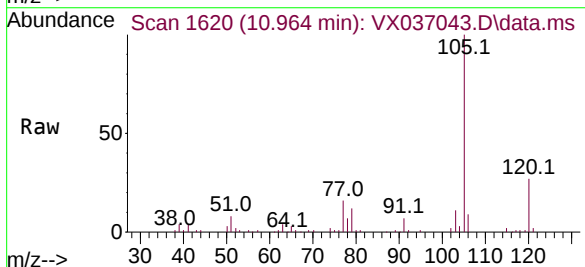
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB02-Z10-12DL

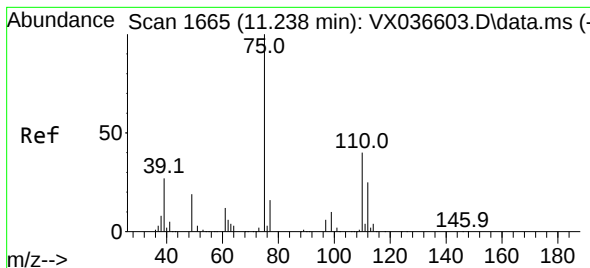
Tgt Ion:152 Resp: 124981
Ion Ratio Lower Upper
152 100
115 62.9 43.3 129.9
150 156.6 0.0 345.0



#73
Isopropylbenzene
Concen: 1.771 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion:105 Resp: 18322
Ion Ratio Lower Upper
105 100
120 26.1 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 23.392 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX037043.D

Acq: 17 Aug 2023 06:47

Instrument :

MSVOA_X

ClientSampleId :

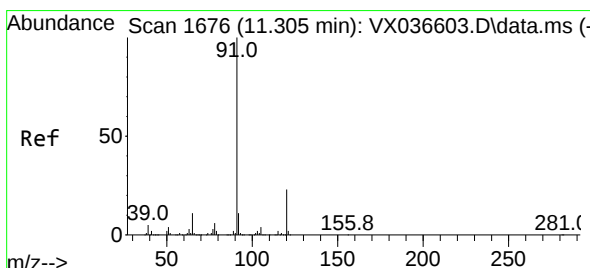
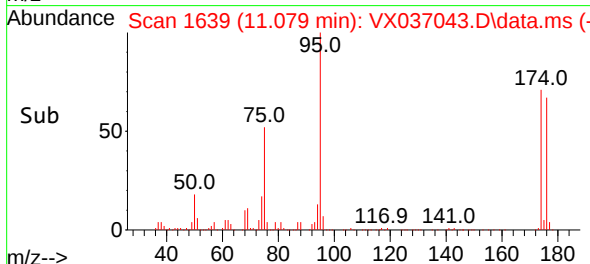
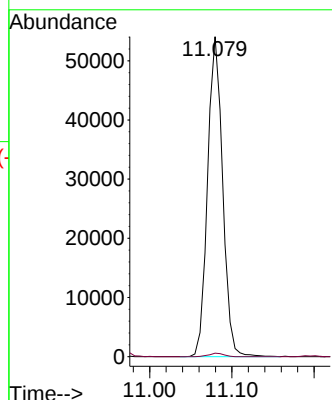
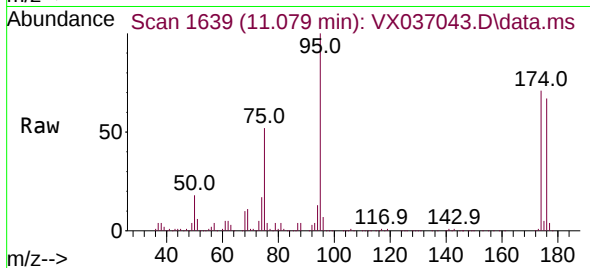
NEVINS-SB02-Z10-12DL

Tgt Ion: 75 Resp: 68764

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#78

n-propylbenzene

Concen: 0.795 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX037043.D

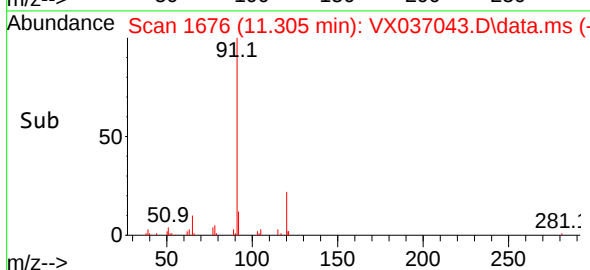
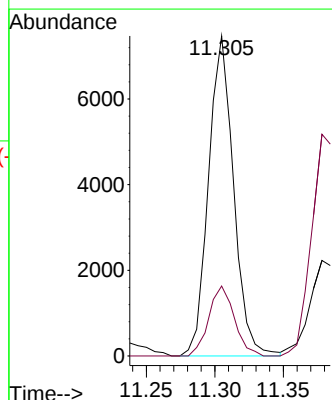
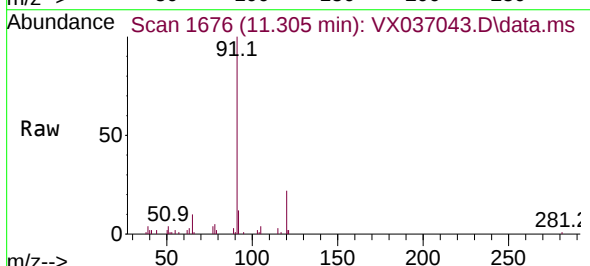
Acq: 17 Aug 2023 06:47

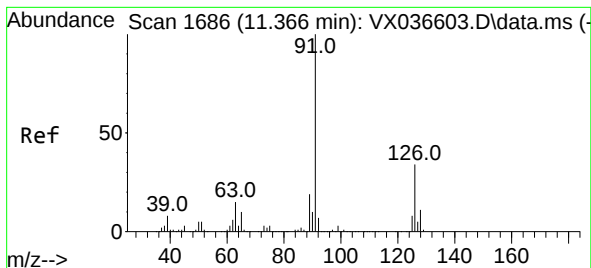
Tgt Ion: 91 Resp: 9504

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.904 ug/l

RT: 11.396 min Scan# 1

Delta R.T. 0.031 min

Lab File: VX037043.D

Acq: 17 Aug 2023 06:47

Instrument :

MSVOA_X

ClientSampleId :

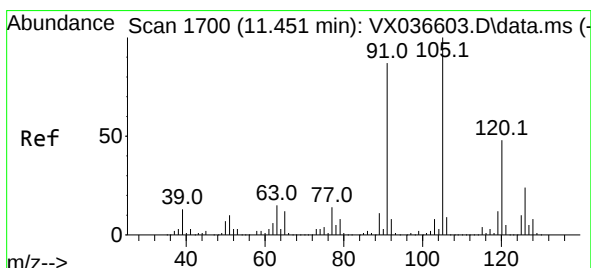
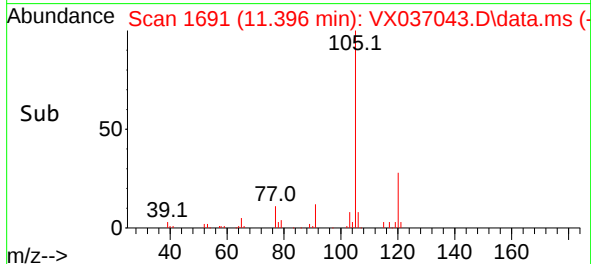
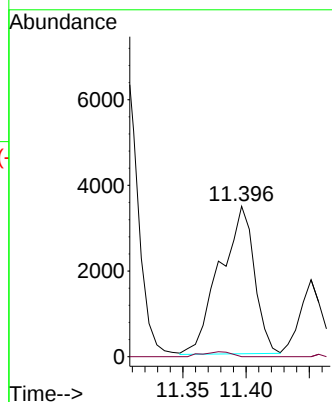
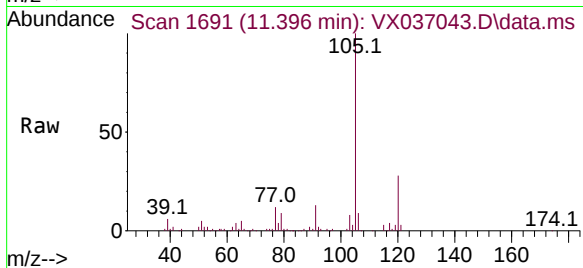
NEVINS-SB02-Z10-12DL

Tgt Ion: 91 Resp: 6555

Ion Ratio Lower Upper

91 100

126 2.7 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: VX037043.D

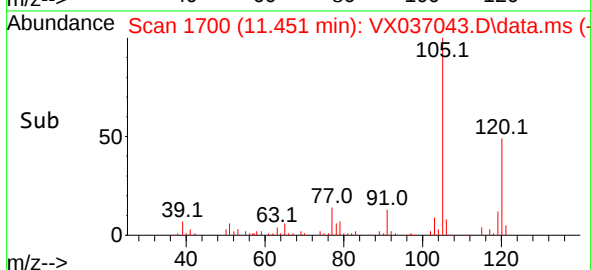
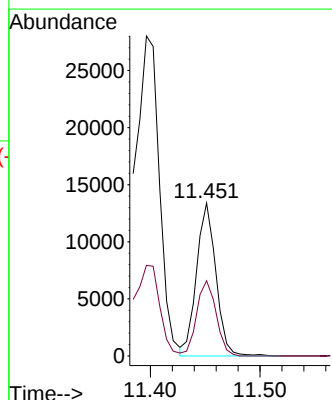
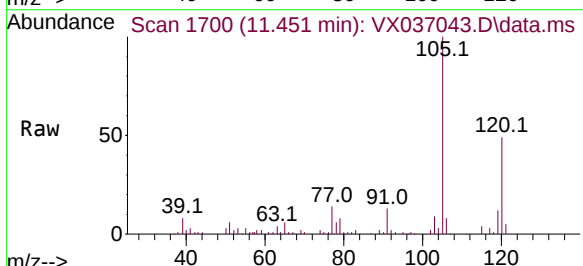
Acq: 17 Aug 2023 06:47

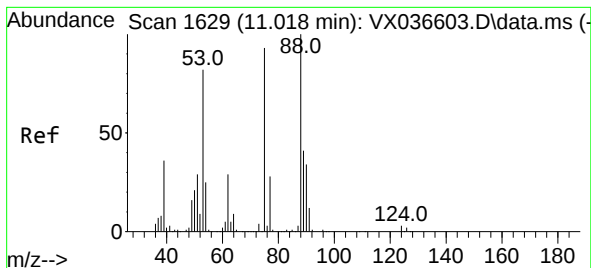
Tgt Ion: 105 Resp: 16517

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.3

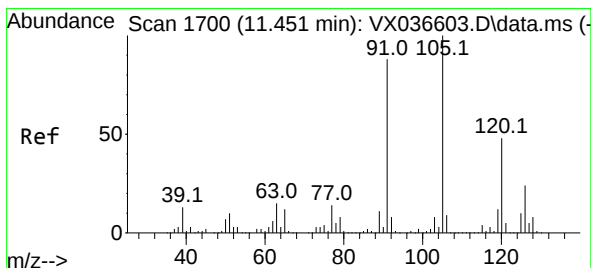
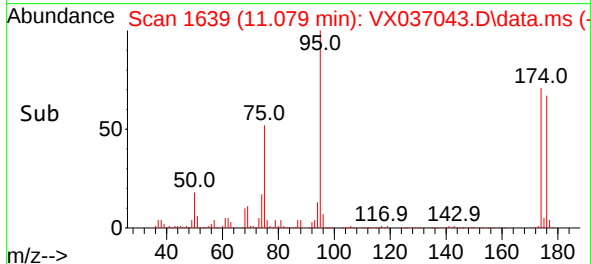
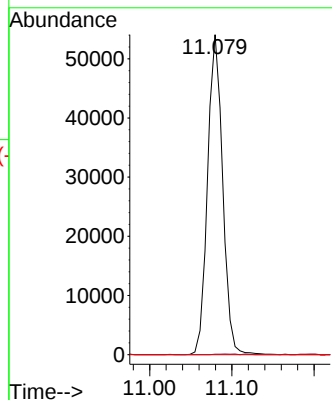
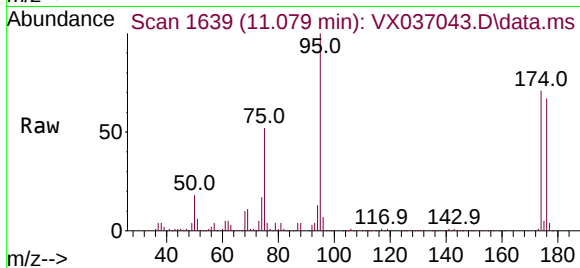




#81
trans-1,4-Dichloro-2-butene
Concen: 53.018 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

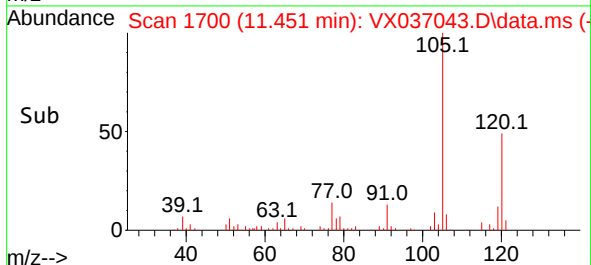
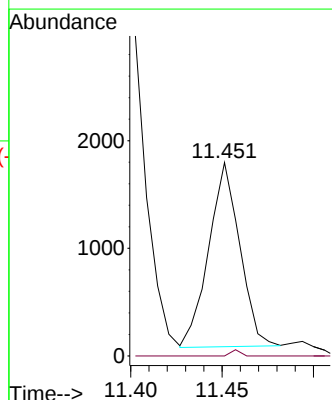
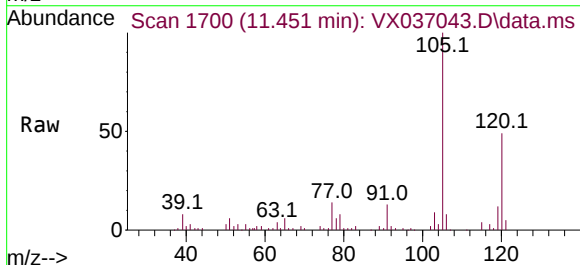
Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB02-Z10-12DL

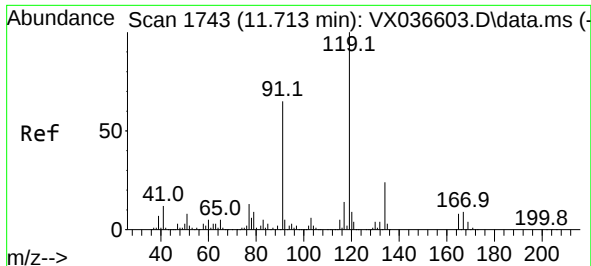
Tgt Ion: 75 Resp: 68764
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.246 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Tgt Ion: 91 Resp: 2029
Ion Ratio Lower Upper
91 100
126 1.0 14.2 42.6#

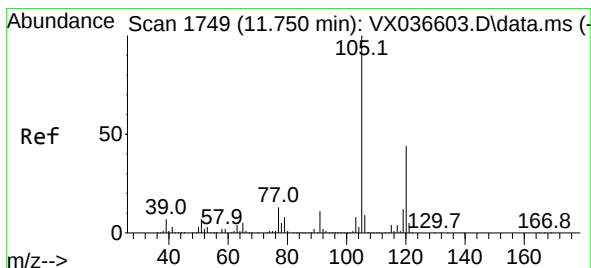
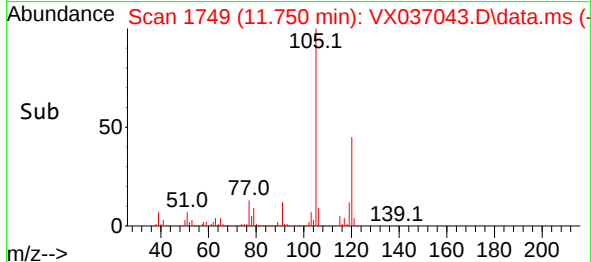
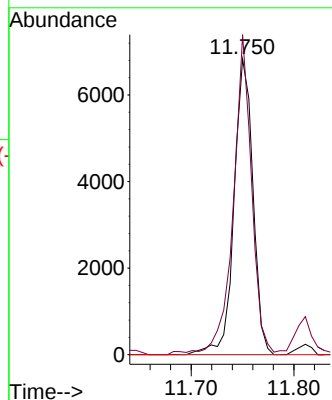
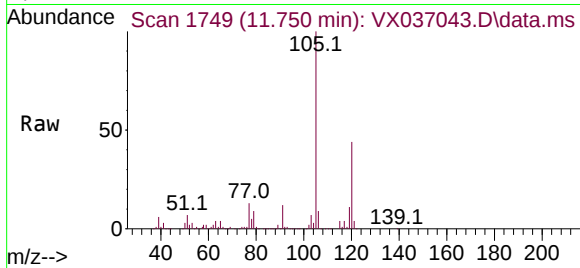




#83
 tert-Butylbenzene
 Concen: 1.033 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.037 min
 Lab File: VX037043.D
 Acq: 17 Aug 2023 06:47

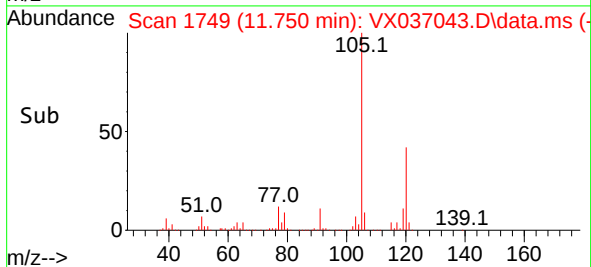
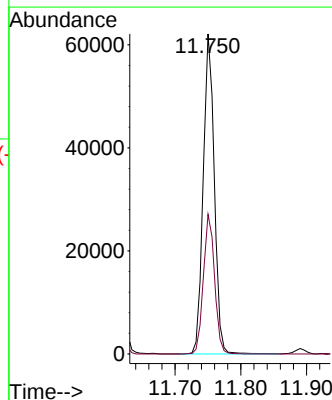
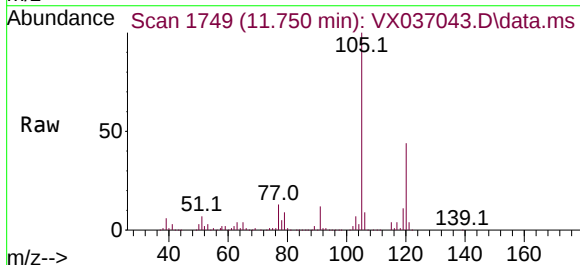
Instrument :
 MSVOA_X
 ClientSampleId :
 NEVINS-SB02-Z10-12DL

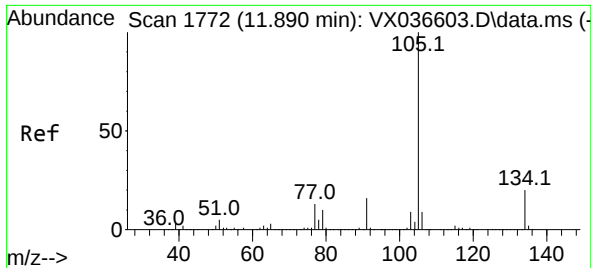
Tgt Ion:119 Resp: 8780
 Ion Ratio Lower Upper
 119 100
 91 105.4 31.2 93.6#
 134 0.0 11.7 35.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 8.430 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX037043.D
 Acq: 17 Aug 2023 06:47

Tgt Ion:105 Resp: 72950
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.2 63.6

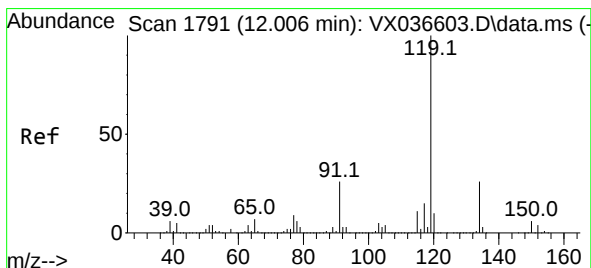
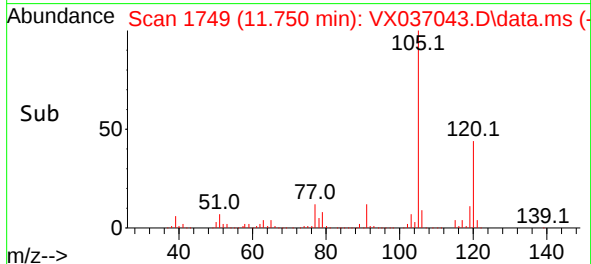
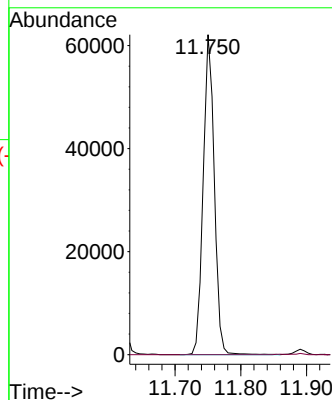
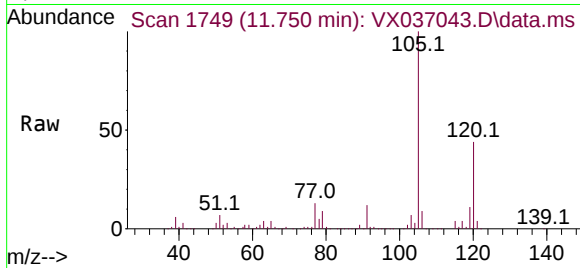




#85
 sec-Butylbenzene
 Concen: 6.881 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.140 min
 Lab File: VX037043.D
 Acq: 17 Aug 2023 06:47

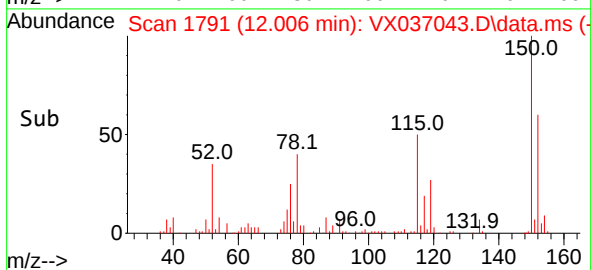
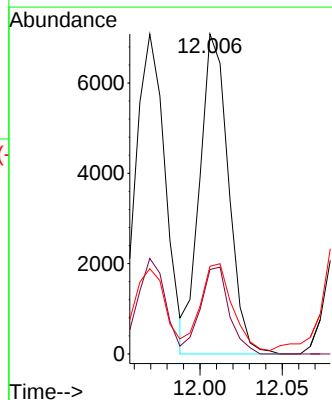
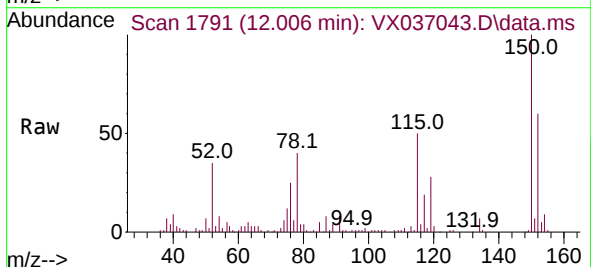
Instrument :
 MSVOA_X
 ClientSampleId :
 NEVINS-SB02-Z10-12DL

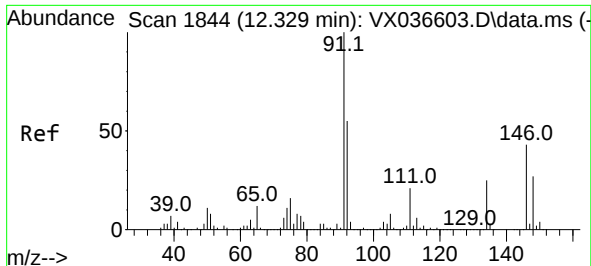
Tgt Ion:105 Resp: 72950
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 0.985 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX037043.D
 Acq: 17 Aug 2023 06:47

Tgt Ion:119 Resp: 8588
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.8 38.3
 91 30.4 13.1 39.3





#89

n-Butylbenzene

Concen: 1.575 ug/l

RT: 12.317 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX037043.D

Acq: 17 Aug 2023 06:47

Instrument :

MSVOA_X

ClientSampleId :

NEVINS-SB02-Z10-12DL

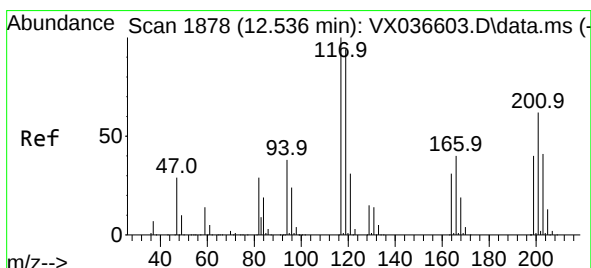
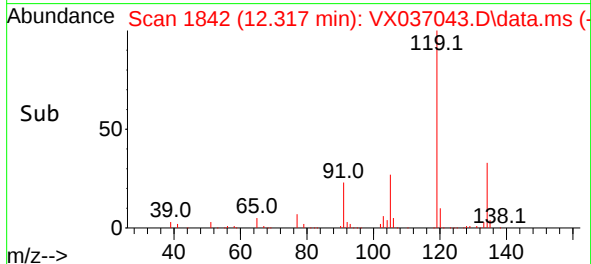
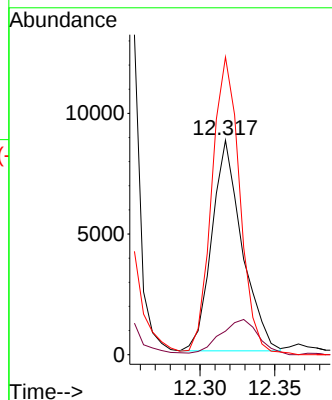
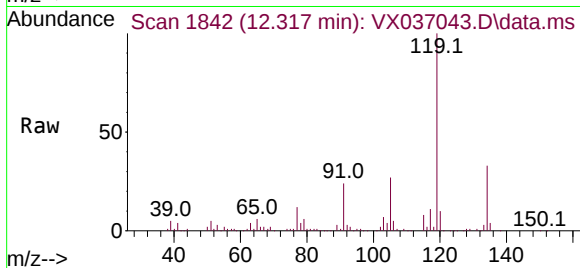
Tgt Ion: 91 Resp: 12301

Ion Ratio Lower Upper

91 100

92 21.0 27.4 82.0#

134 131.5 12.6 37.8#



#90

Hexachloroethane

Concen: 30.963 ug/l

RT: 12.695 min Scan# 1904

Delta R.T. 0.159 min

Lab File: VX037043.D

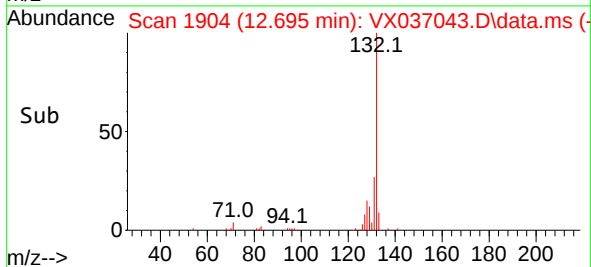
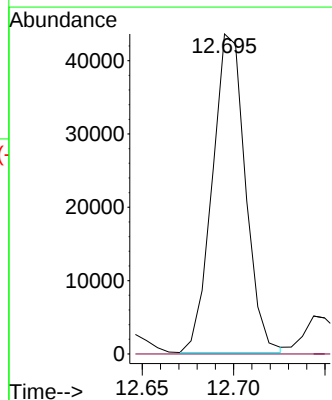
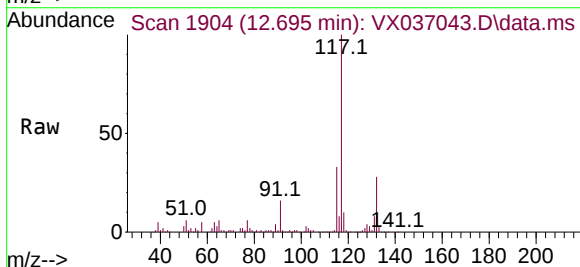
Acq: 17 Aug 2023 06:47

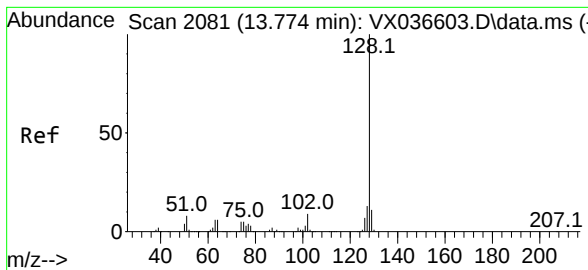
Tgt Ion: 117 Resp: 54755

Ion Ratio Lower Upper

117 100

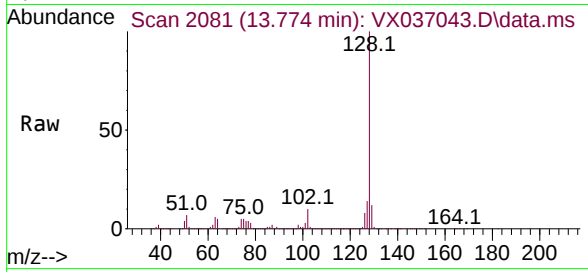
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 304.832 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX037043.D
Acq: 17 Aug 2023 06:47

Instrument :
MSVOA_X
ClientSampleId :
NEVINS-SB02-Z10-12DL



Tgt Ion:128 Resp: 2755287
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.6 8.8 13.2

