

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
 Data File : VX037442.D
 Acq On : 31 Aug 2023 19:56
 Operator : JC/MD
 Sample : 04201-03DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1717DL

Quant Time: Sep 01 03:16:34 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)

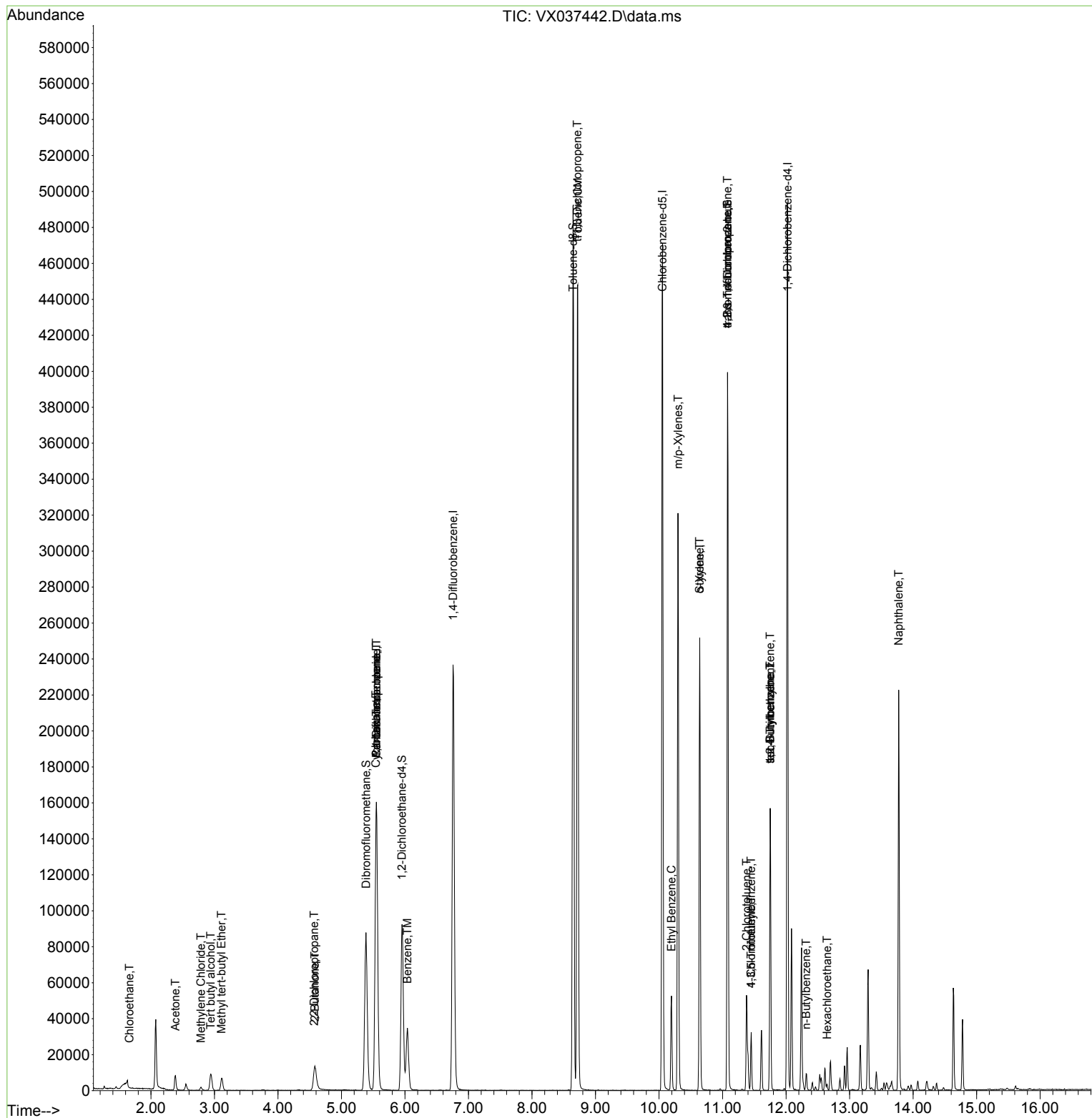
Internal Standards						
1) Pentafluorobenzene	5.550	168	152302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253430	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92885	42.303	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.600%		
35) Dibromofluoromethane	5.385	113	76706	45.702	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.400%		
50) Toluene-d8	8.647	98	296291	48.666	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.340%		
62) 4-Bromofluorobenzene	11.079	95	112267	46.923	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.840%		
Target Compounds					Qvalue	
6) Chloroethane	1.660	64	307	0.310	ug/l #	43
11) Tert butyl alcohol	2.941	59	5723	11.111	ug/l #	78
16) Acetone	2.386	43	9295	10.821	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	8294	1.395	ug/l #	89
20) Methylene Chloride	2.788	84	1103	0.574	ug/l #	72
25) 2-Butanone	4.580	43	4016	3.105	ug/l	99
26) 2,2-Dichloropropane	4.568	77	1021	0.366	ug/l #	54
31) Cyclohexane	5.544	56	2866	1.161	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11965	5.018	ug/l #	51
38) Carbon Tetrachloride	5.550	117	16206	6.256	ug/l #	15
40) Benzene	6.038	78	43124	6.306	ug/l	99
52) Toluene	8.720	92	180794	40.011	ug/l	100
53) t-1,3-Dichloropropene	8.714	75	2132	0.787	ug/l #	1
67) Ethyl Benzene	10.195	91	31758	3.768	ug/l	96
68) m/p-Xylenes	10.299	106	74268	22.815	ug/l	98
69) o-Xylene	10.640	106	54883	17.089	ug/l	100
70) Styrene	10.640	104	2912	0.550	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	55224	24.133	ug/l #	39
79) 2-Chlorotoluene	11.378	91	4398	0.791	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	13733	2.108	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	55224	67.406	ug/l #	5
82) 4-Chlorotoluene	11.451	91	1741	0.271	ug/l #	46
83) tert-Butylbenzene	11.750	119	8319	1.339	ug/l #	61
84) 1,2,4-Trimethylbenzene	11.750	105	71800	10.905	ug/l	97
85) sec-Butylbenzene	11.750	105	71800	9.894	ug/l #	57
89) n-Butylbenzene	12.317	91	1196	0.231	ug/l #	5
90) Hexachloroethane	12.646	117	1434	1.375	ug/l #	17
95) Naphthalene	13.774	128	137695	15.363	ug/l	100

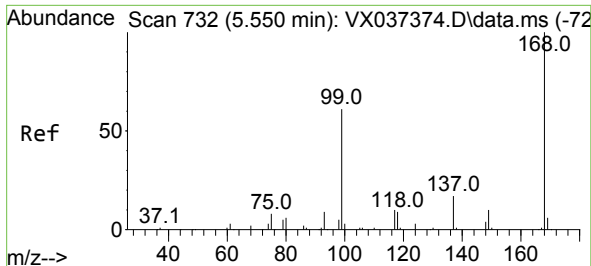
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
Data File : VX037442.D
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MSVOA_X
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Quant Time: Sep 01 03:16:34 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

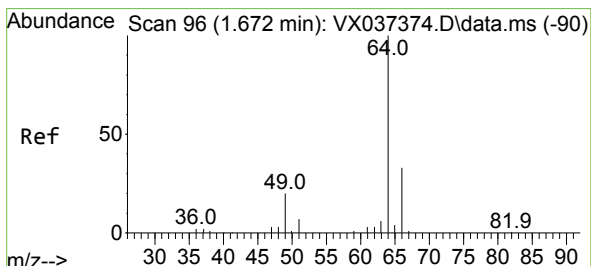
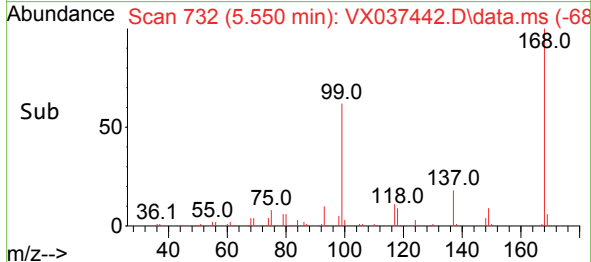
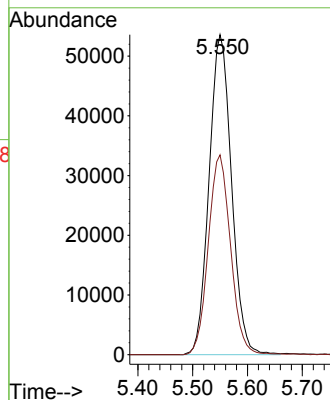
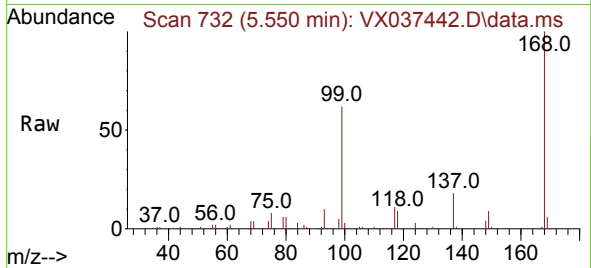




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

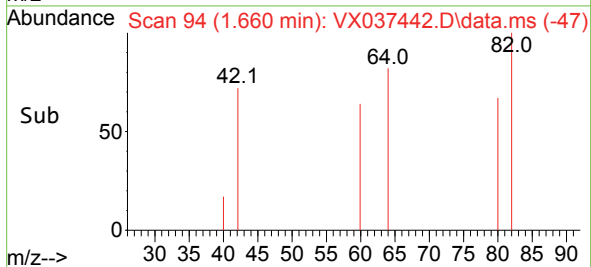
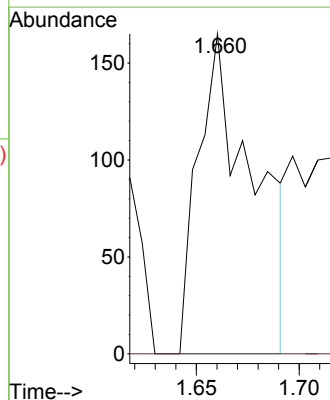
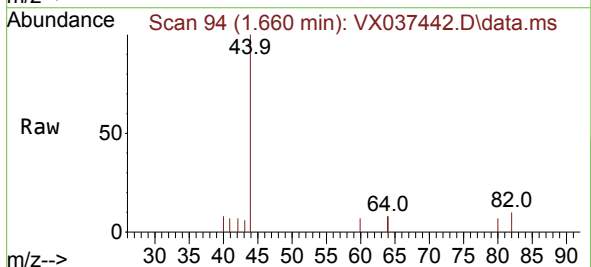
Instrument :
MSVOA_X
ClientSampleId :
1717DL

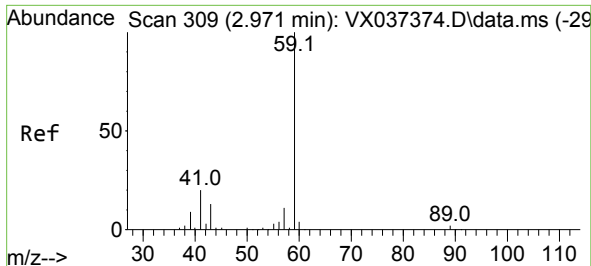
Tgt Ion:168 Resp: 152302
Ion Ratio Lower Upper
168 100
99 62.5 56.6 85.0



#6
Chloroethane
Concen: 0.310 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.012 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion: 64 Resp: 307
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

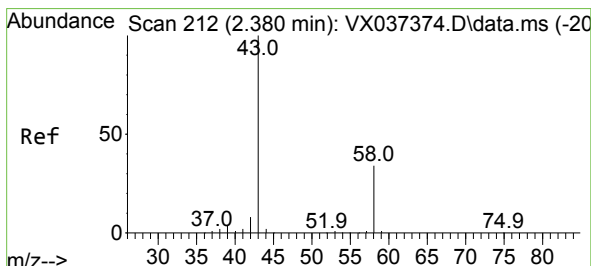
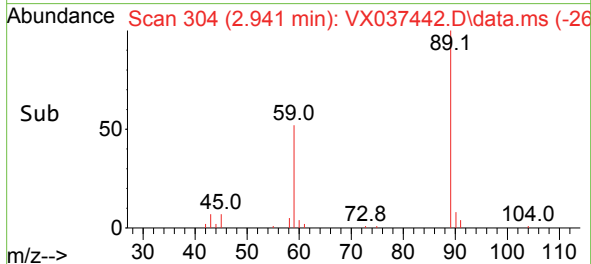
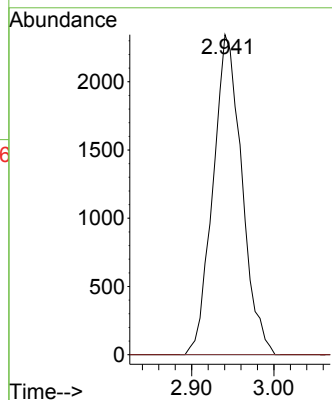
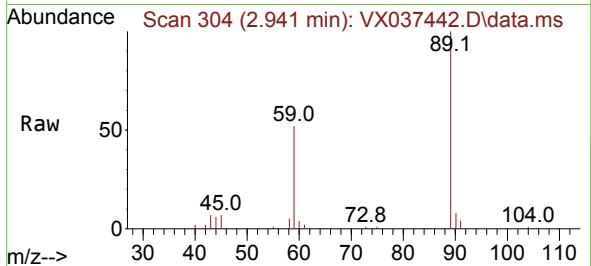




#11
Tert butyl alcohol
Concen: 11.111 ug/l
RT: 2.941 min Scan# 309
Delta R.T. -0.037 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

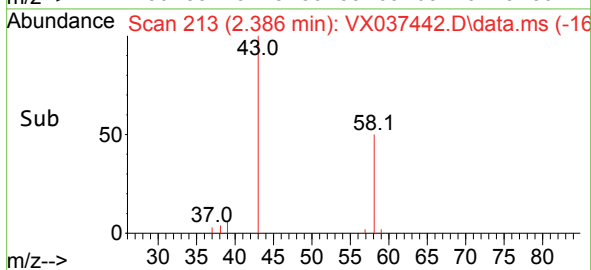
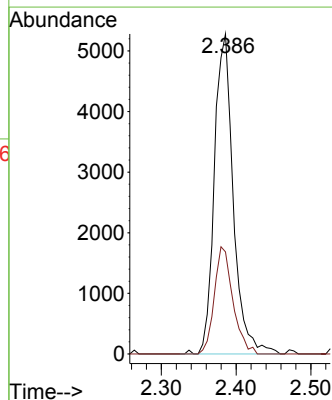
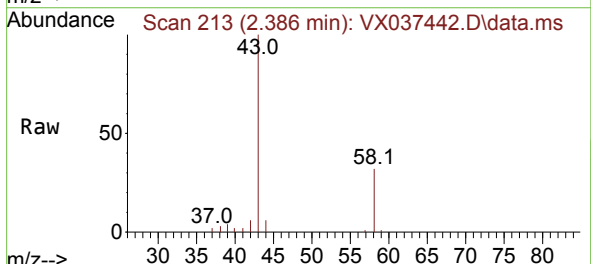
Instrument :
MSVOA_X
ClientSampleId :
1717DL

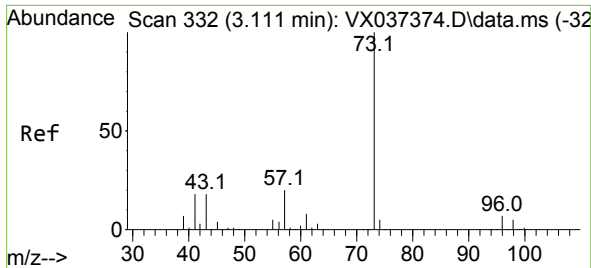
Tgt Ion: 59 Resp: 5723
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 10.821 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion: 43 Resp: 9295
Ion Ratio Lower Upper
43 100
58 31.9 21.9 32.9

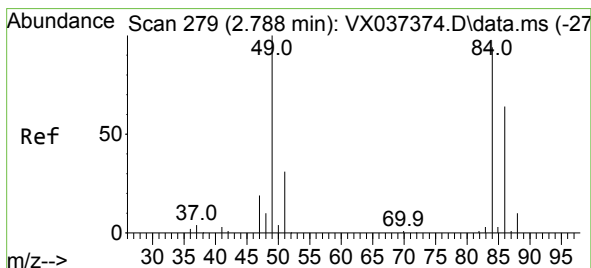
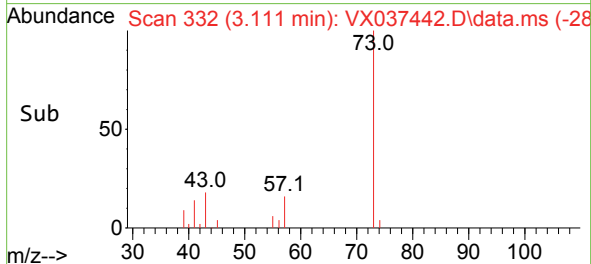
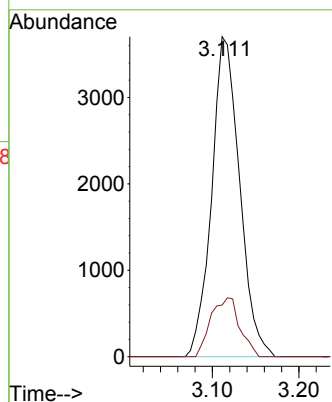
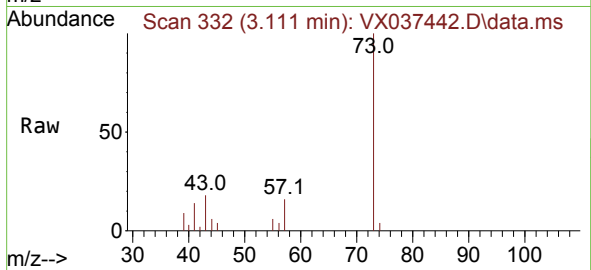




#19
Methyl tert-butyl Ether
Concen: 1.395 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

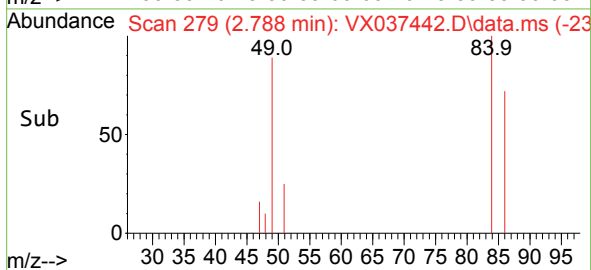
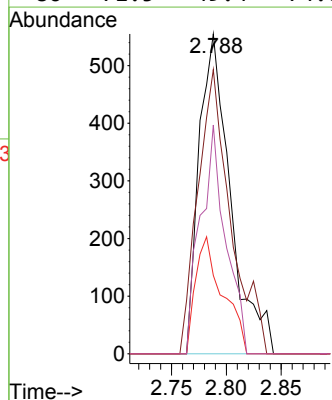
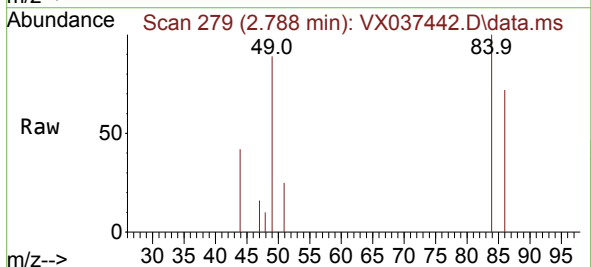
Instrument :
MSVOA_X
ClientSampleId :
1717DL

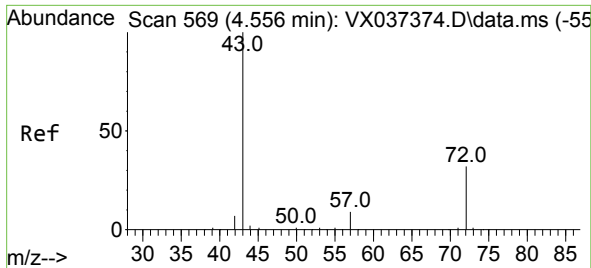
Tgt Ion: 73 Resp: 8294
Ion Ratio Lower Upper
73 100
57 16.2 17.3 25.9#



#20
Methylene Chloride
Concen: 0.574 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion: 84 Resp: 1103
Ion Ratio Lower Upper
84 100
49 88.8 103.6 155.4#
51 24.5 33.8 50.6#
86 71.5 49.4 74.0

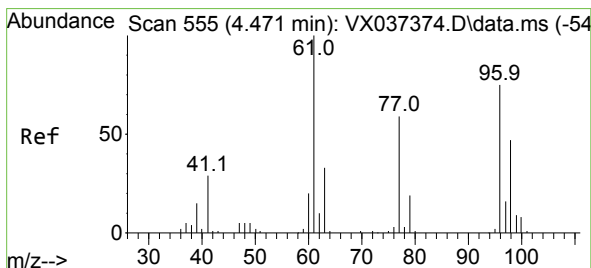
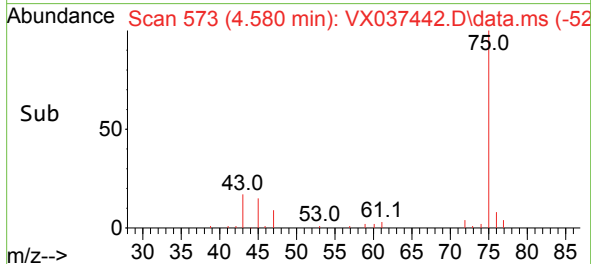
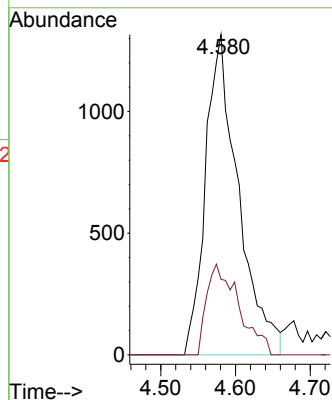
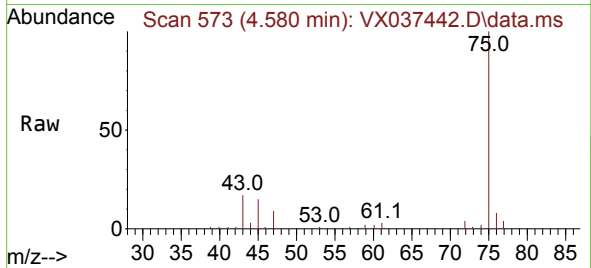




#25
2-Butanone
Concen: 3.105 ug/l
RT: 4.580 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

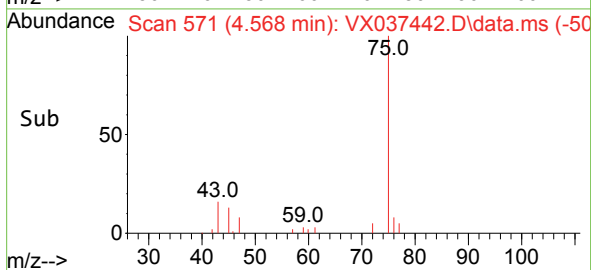
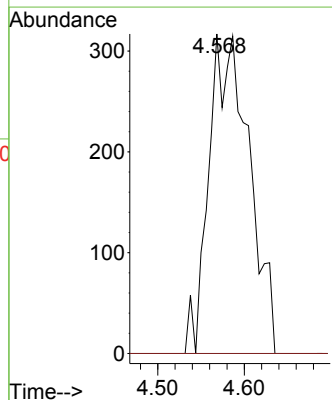
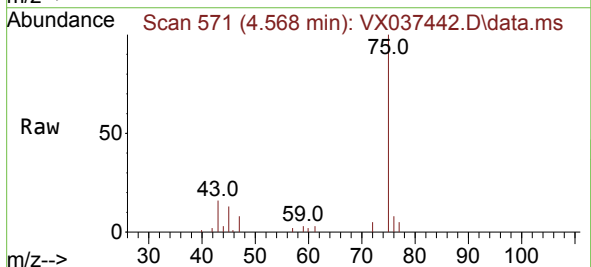
Instrument :
MSVOA_X
ClientSampleId :
1717DL

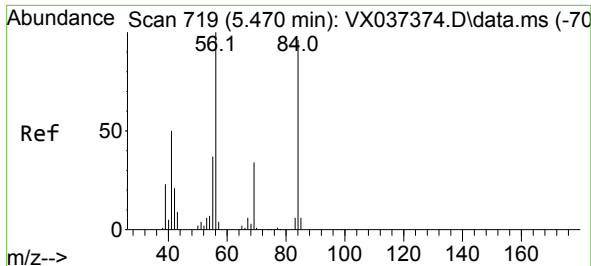
Tgt Ion: 43 Resp: 4016
Ion Ratio Lower Upper
43 100
72 23.6 19.4 29.2



#26
2,2-Dichloropropane
Concen: 0.366 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.092 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

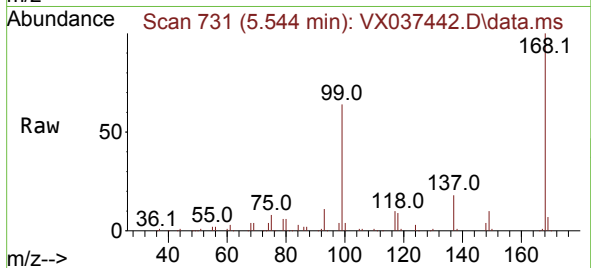
Tgt Ion: 77 Resp: 1021
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



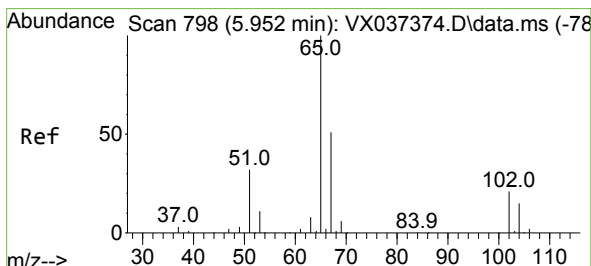
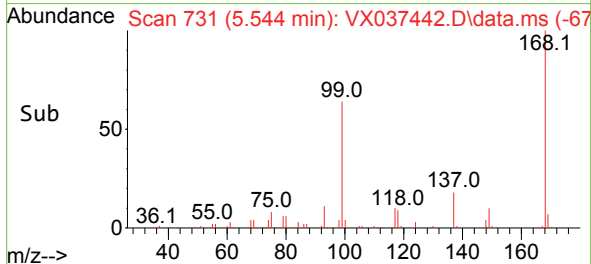
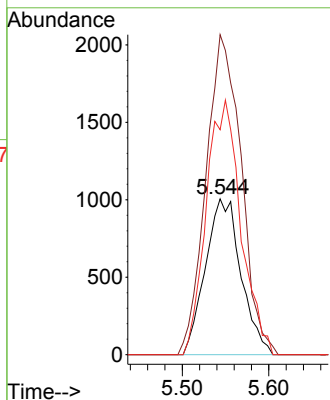


#31
Cyclohexane
Concen: 1.161 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Instrument :
MSVOA_X
ClientSampleId :
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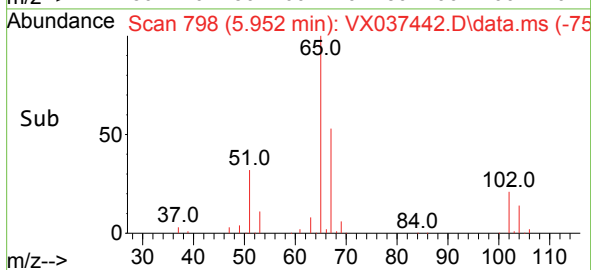
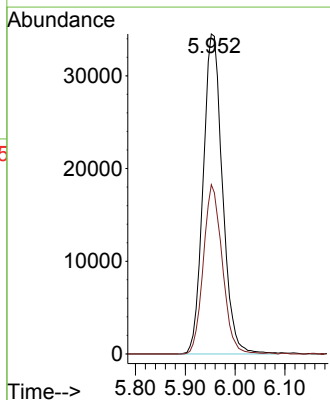
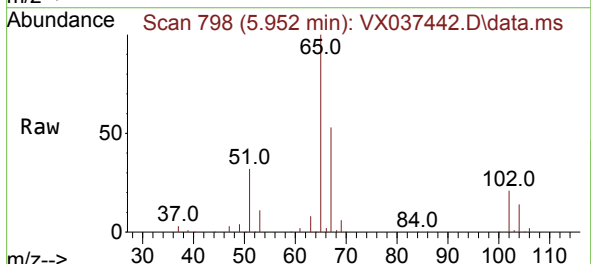


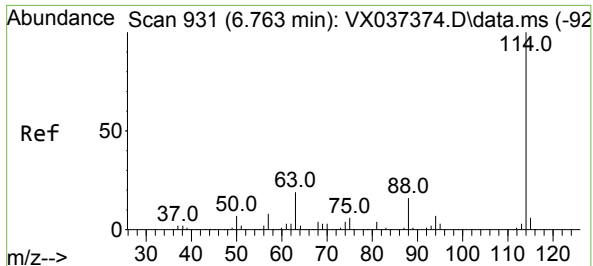
Tgt Ion: 56 Resp: 2866
Ion Ratio Lower Upper
56 100
69 205.4 23.4 35.2#
84 144.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.303 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion: 65 Resp: 92885
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

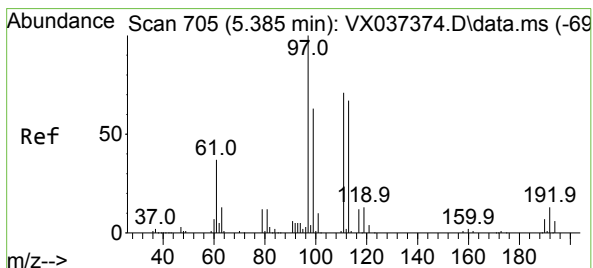
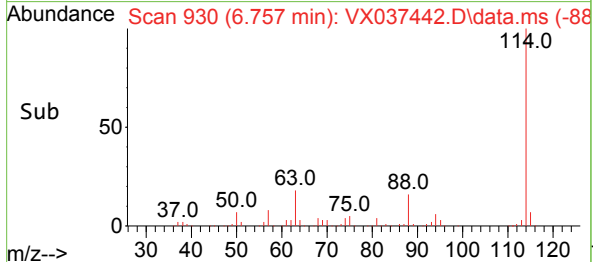
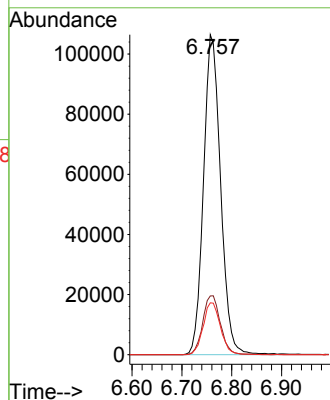
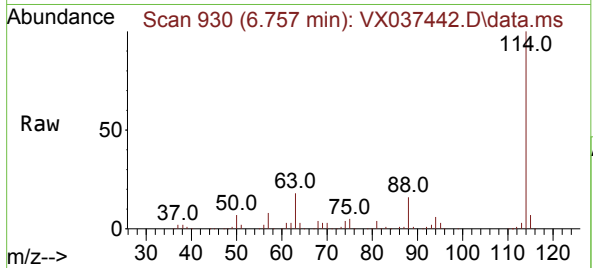




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

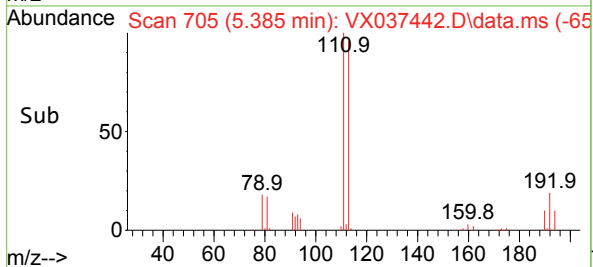
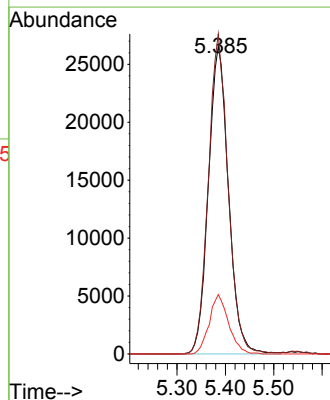
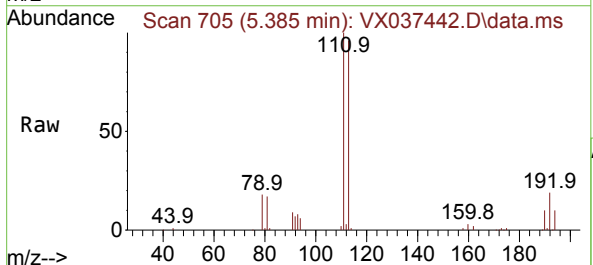
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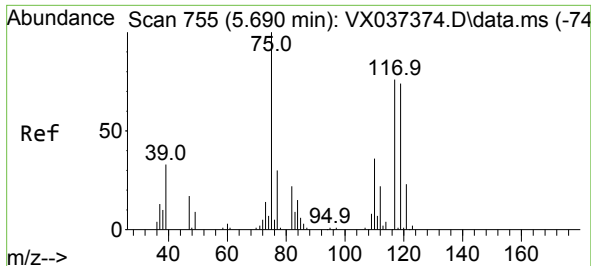
Tgt Ion:114 Resp: 253430
Ion Ratio Lower Upper
114 100
63 18.4 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.702 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion:113 Resp: 76706
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 18.6 13.3 19.9

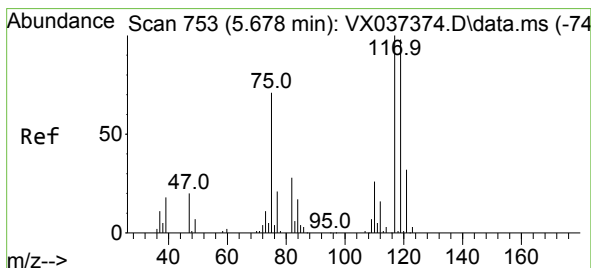
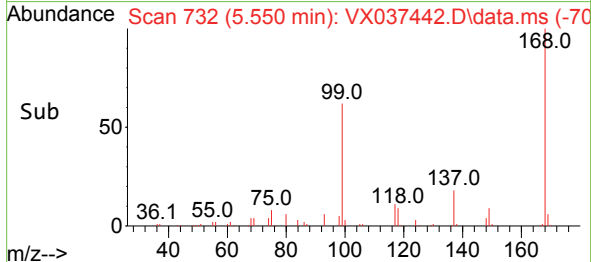
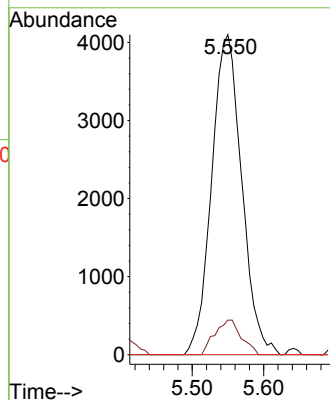
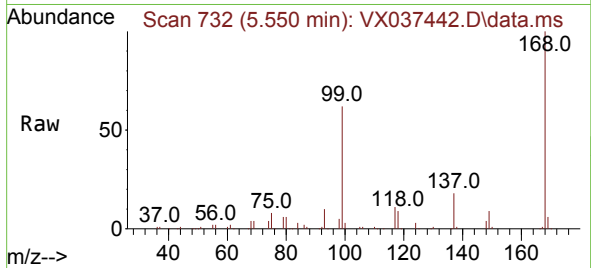




#36
1,1-Dichloropropene
Concen: 5.018 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

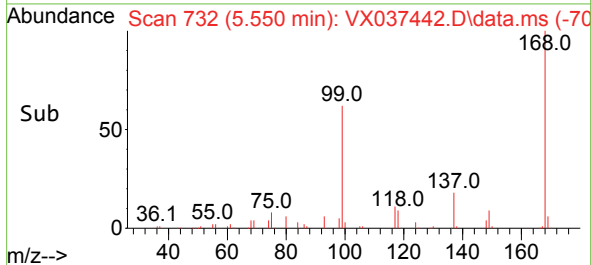
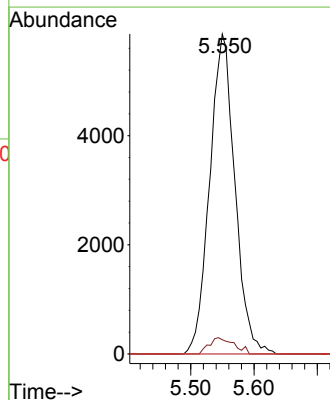
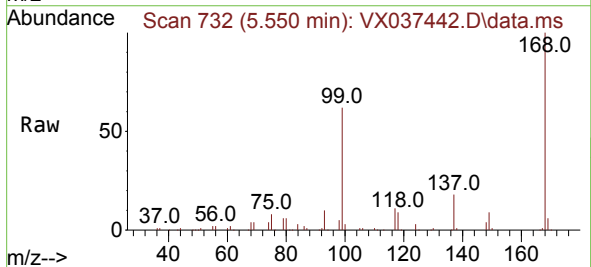
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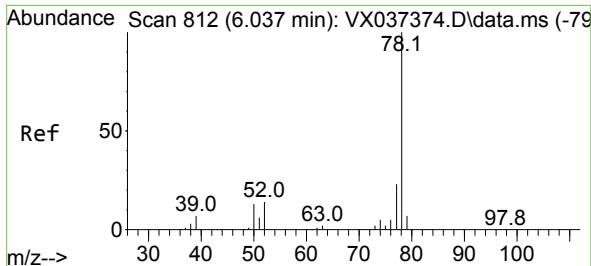
Tgt Ion: 75 Resp: 11965
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.256 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion: 117 Resp: 16206
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#





#40

Benzene

Concen: 6.306 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX037442.D

Acq: 31 Aug 2023 19:56

Instrument :

MSVOA_X

ClientSampleId :

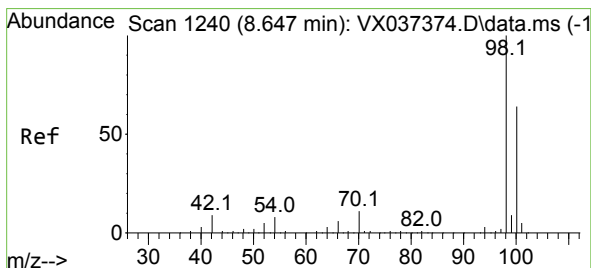
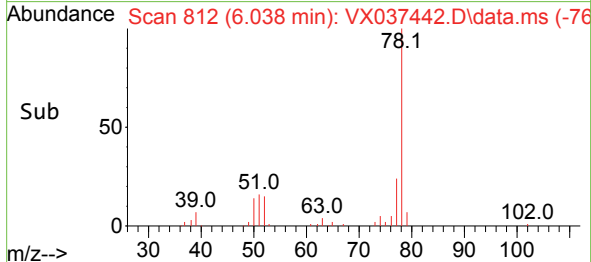
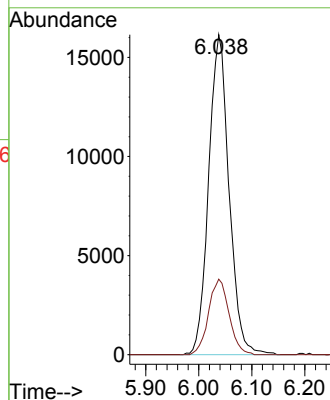
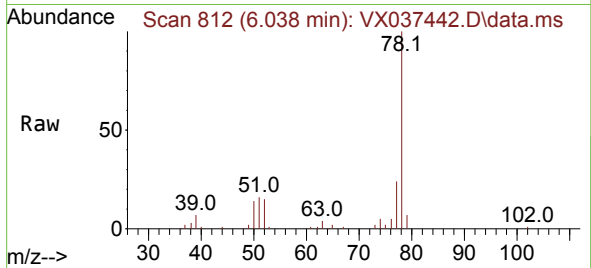
1717DL

Tgt Ion: 78 Resp: 43124

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9



#50

Toluene-d8

Concen: 48.666 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037442.D

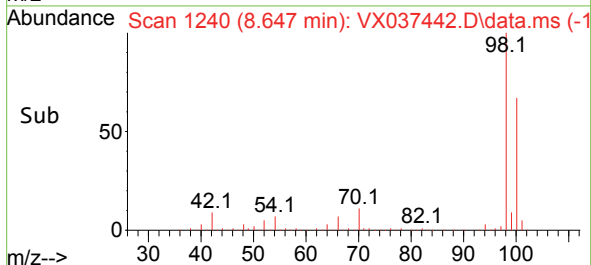
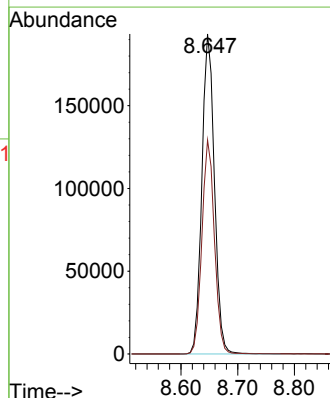
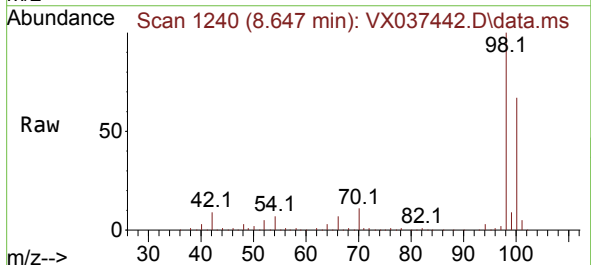
Acq: 31 Aug 2023 19:56

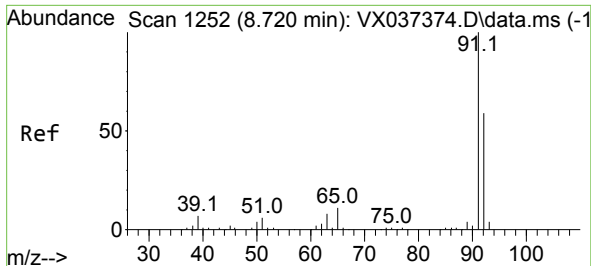
Tgt Ion: 98 Resp: 296291

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7

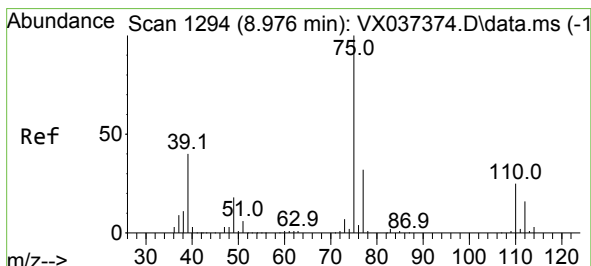
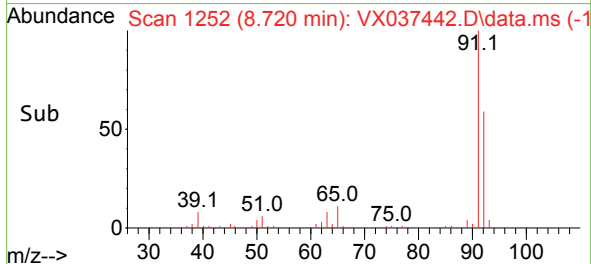
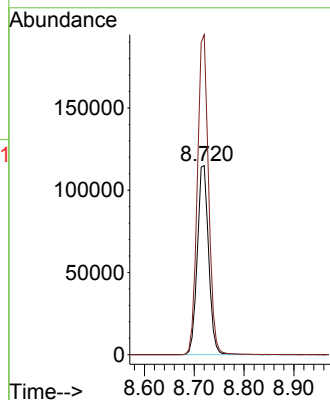
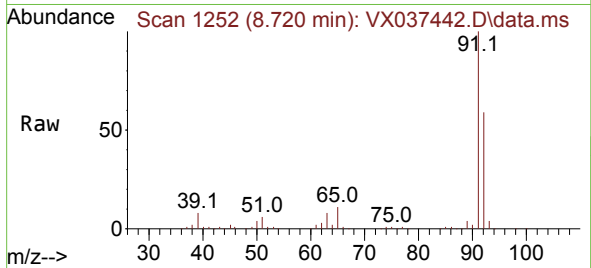




#52
Toluene
Concen: 40.011 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

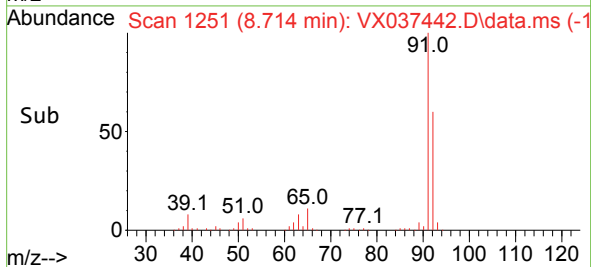
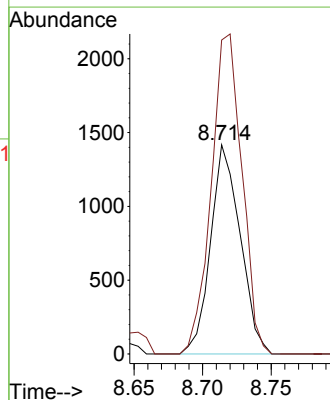
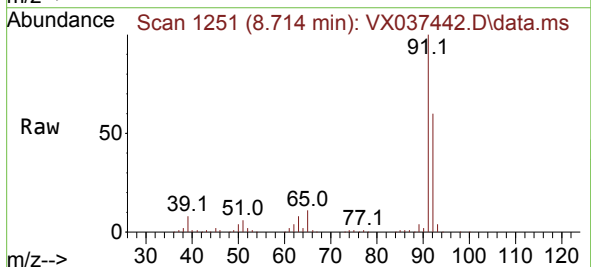
Instrument :
MSVOA_X
ClientSampleId :
1717DL

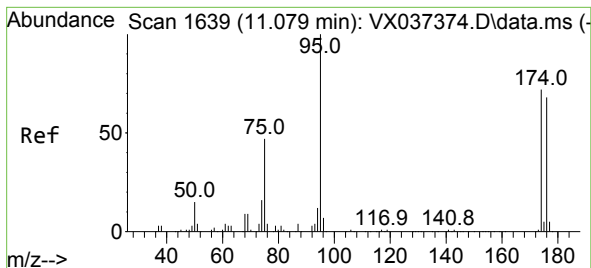
Tgt Ion: 92 Resp: 180794
Ion Ratio Lower Upper
92 100
91 168.0 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.787 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion: 75 Resp: 2132
Ion Ratio Lower Upper
75 100
77 150.1 25.7 38.5#

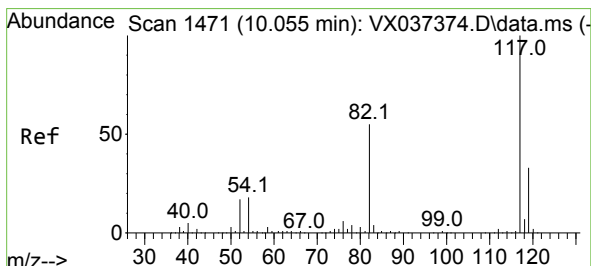
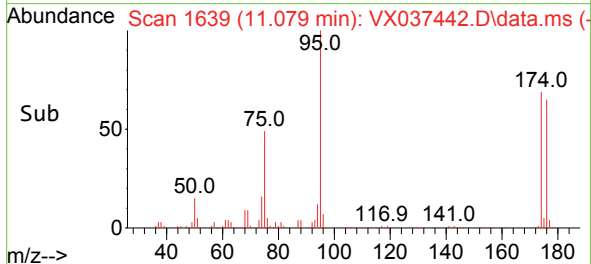
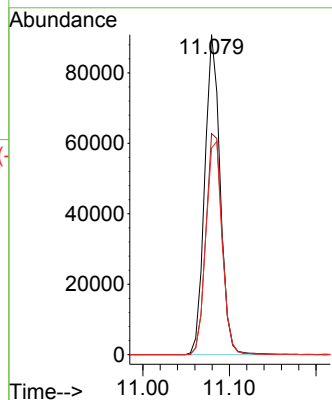
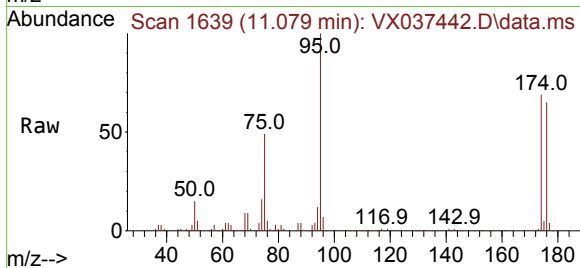




#62
4-Bromofluorobenzene
Concen: 46.923 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

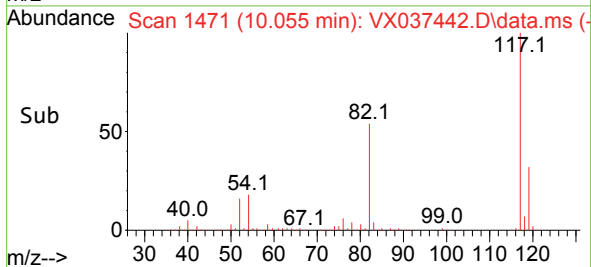
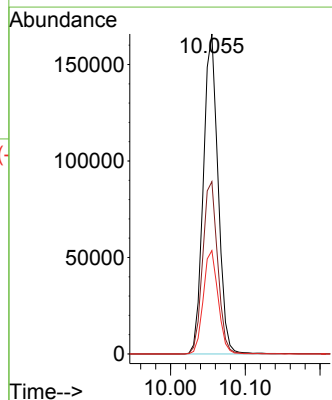
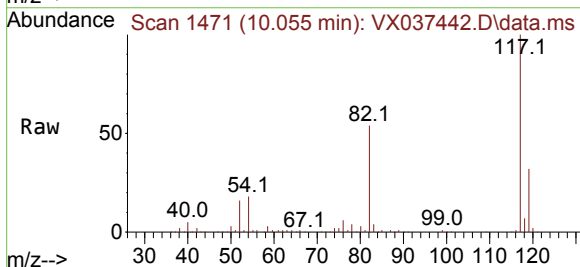
Instrument :
MSVOA_X
ClientSampleId :
1717DL

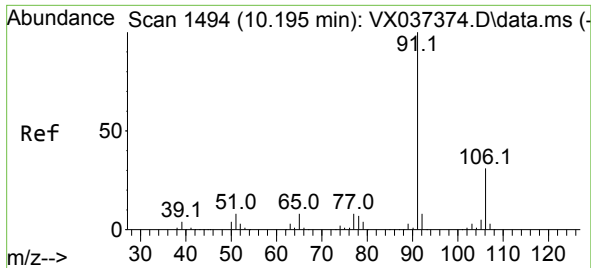
Tgt Ion: 95 Resp: 112267
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 70.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion: 117 Resp: 226658
Ion Ratio Lower Upper
117 100
82 53.9 46.2 69.4
119 32.3 25.5 38.3

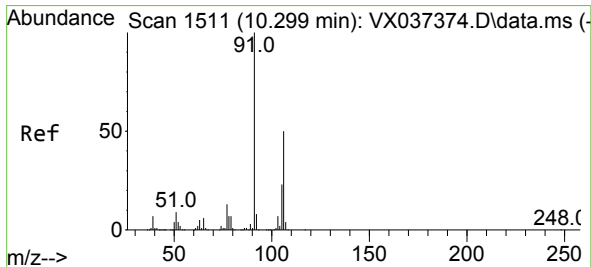
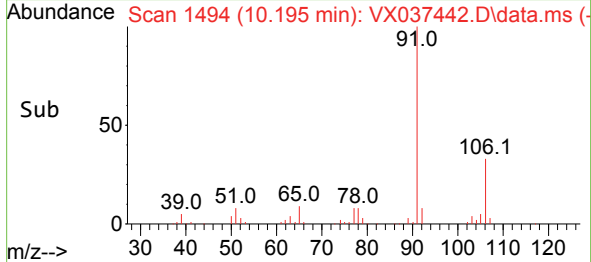
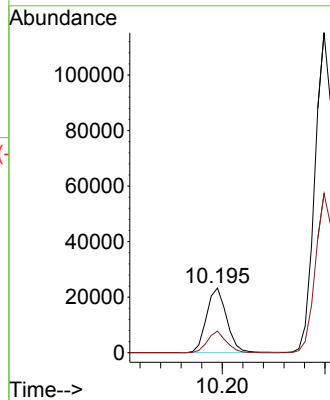
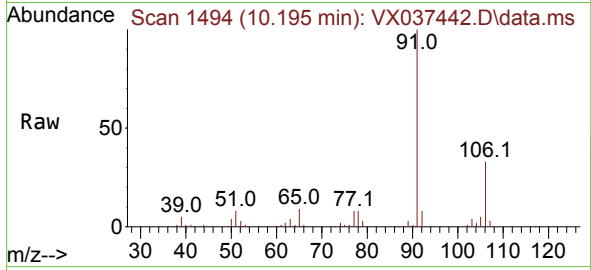




#67
Ethyl Benzene
Concen: 3.768 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

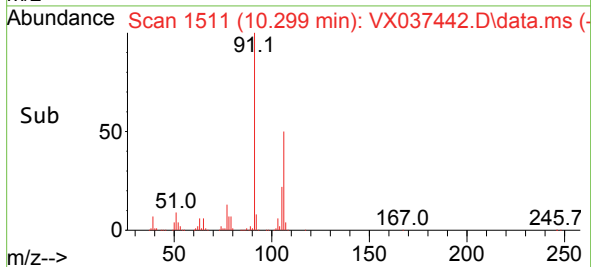
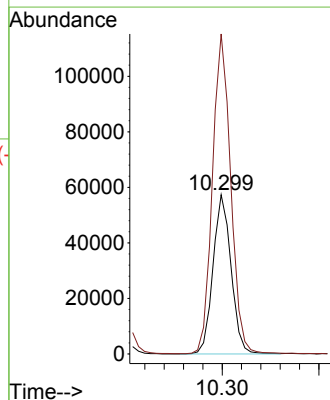
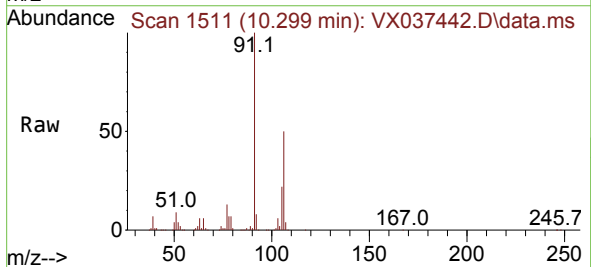
Instrument :
MSVOA_X
ClientSampleId :
1717DL

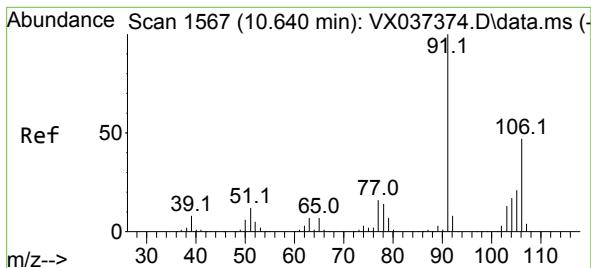
Tgt Ion: 91 Resp: 31758
Ion Ratio Lower Upper
91 100
106 33.5 24.9 37.3



#68
m/p-Xylenes
Concen: 22.815 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion: 106 Resp: 74268
Ion Ratio Lower Upper
106 100
91 204.2 165.5 248.3





#69

o-Xylene

Concen: 17.089 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037442.D

Acq: 31 Aug 2023 19:56

Instrument :

MSVOA_X

ClientSampleId :

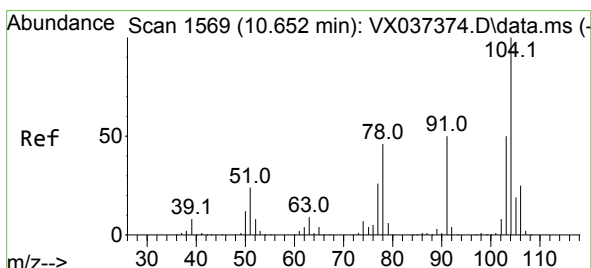
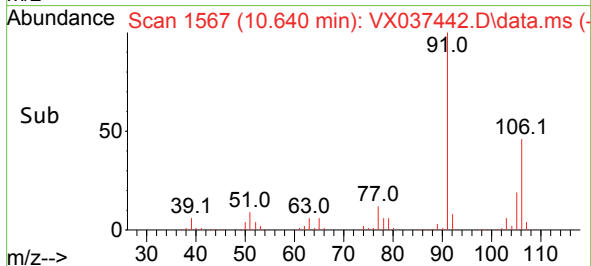
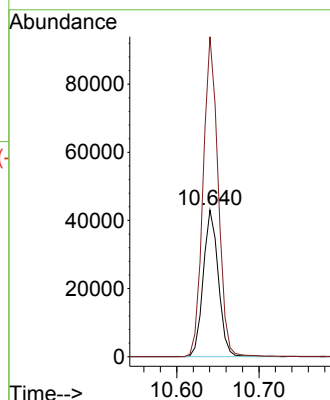
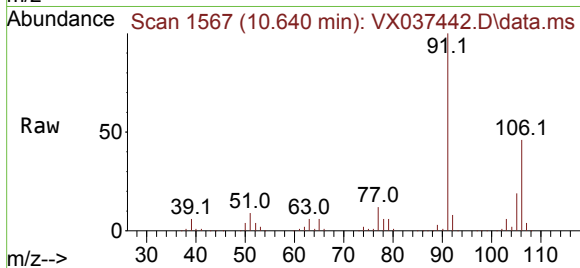
1717DL

Tgt Ion:106 Resp: 54883

Ion Ratio Lower Upper

106 100

91 217.6 108.9 326.8



#70

Styrene

Concen: 0.550 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.012 min

Lab File: VX037442.D

Acq: 31 Aug 2023 19:56

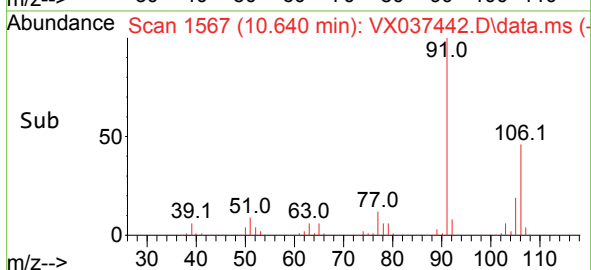
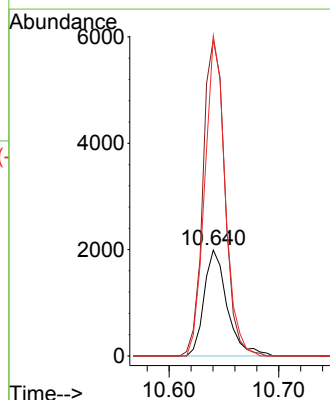
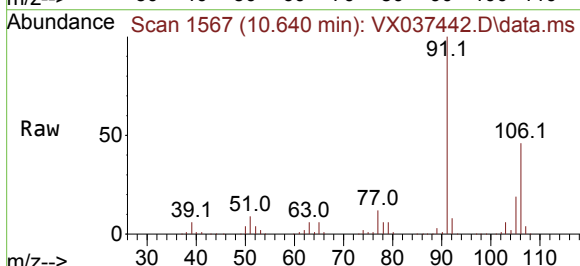
Tgt Ion:104 Resp: 2912

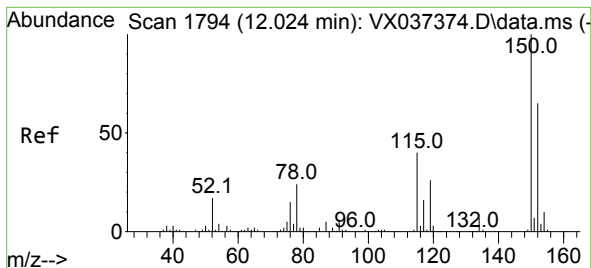
Ion Ratio Lower Upper

104 100

78 282.0 43.6 65.4#

103 266.5 43.6 65.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037442.D

Acq: 31 Aug 2023 19:56

Instrument :

MSVOA_X

ClientSampleId :

1717DL

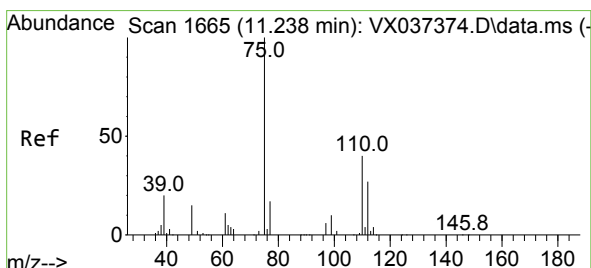
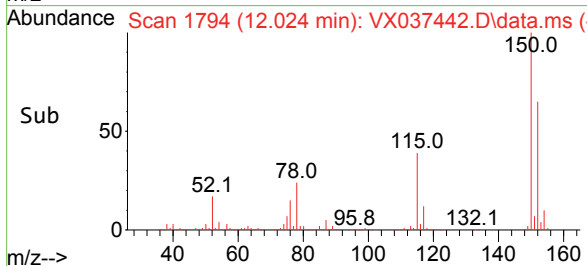
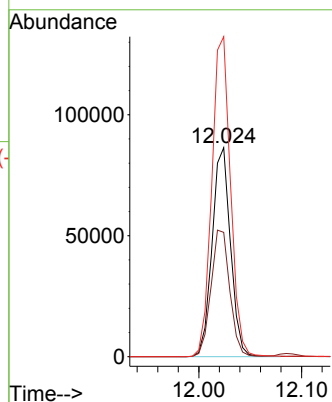
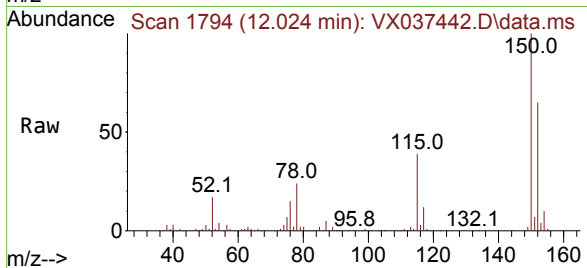
Tgt Ion:152 Resp: 107448

Ion Ratio Lower Upper

152 100

115 62.1 43.3 129.9

150 155.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.133 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037442.D

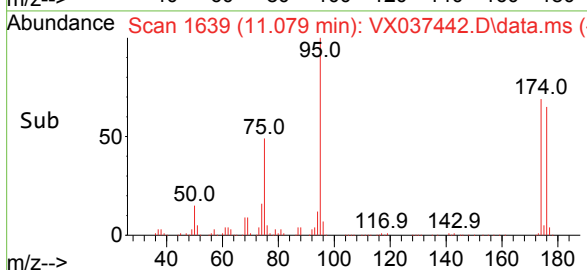
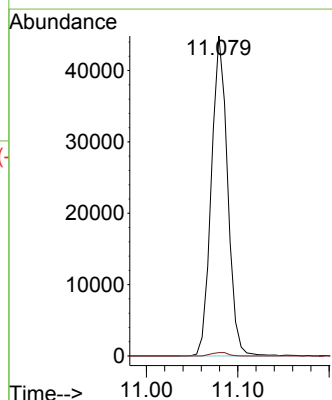
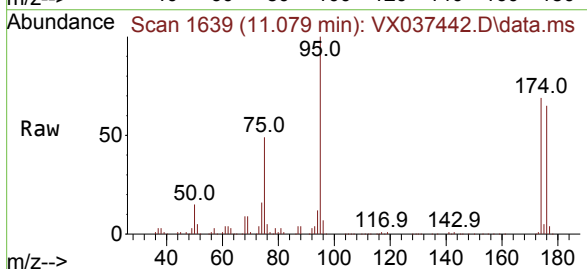
Acq: 31 Aug 2023 19:56

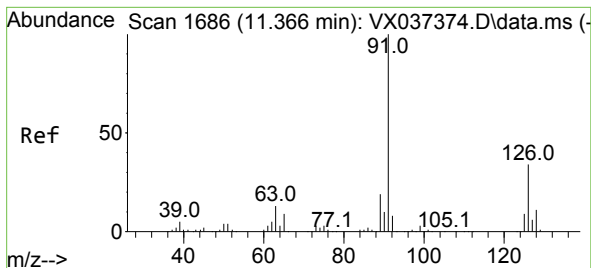
Tgt Ion: 75 Resp: 55224

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#79

2-Chlorotoluene

Concen: 0.791 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX037442.D

Acq: 31 Aug 2023 19:56

Instrument :

MSVOA_X

ClientSampleId :

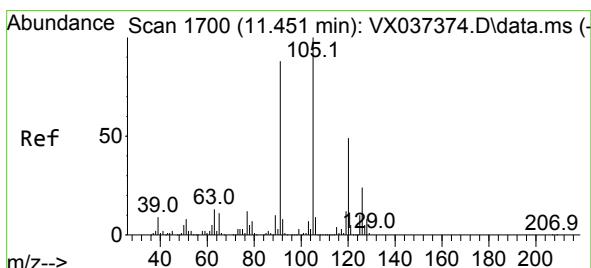
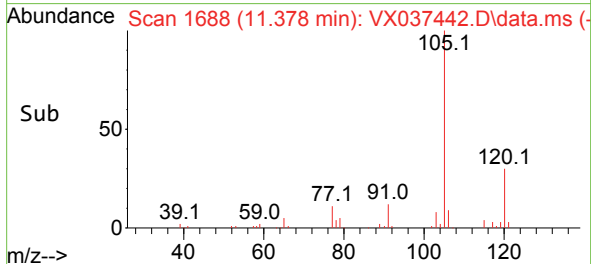
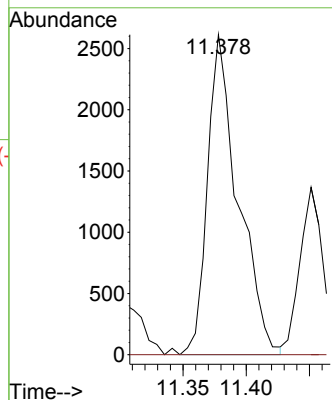
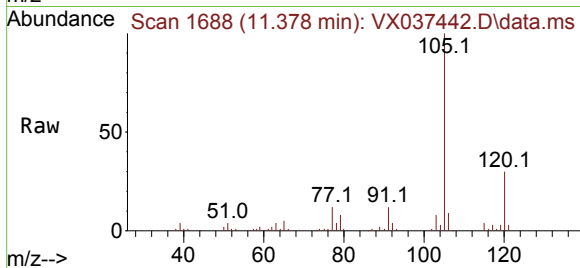
1717DL

Tgt Ion: 91 Resp: 4398

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 2.108 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX037442.D

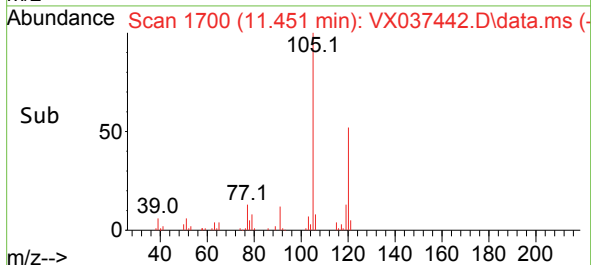
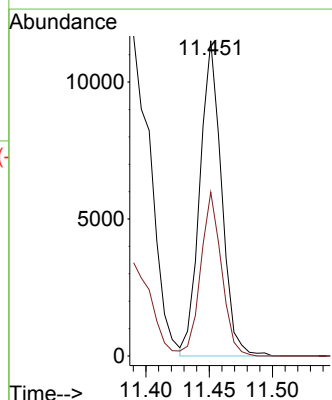
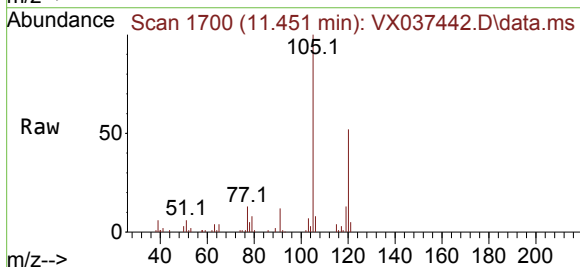
Acq: 31 Aug 2023 19:56

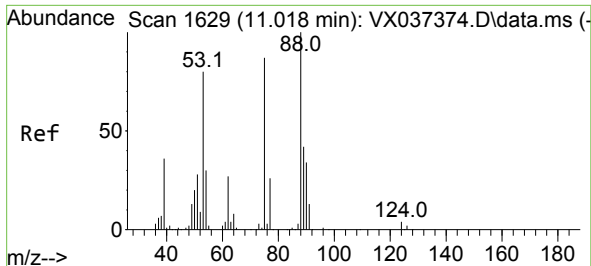
Tgt Ion: 105 Resp: 13733

Ion Ratio Lower Upper

105 100

120 49.7 24.1 72.3

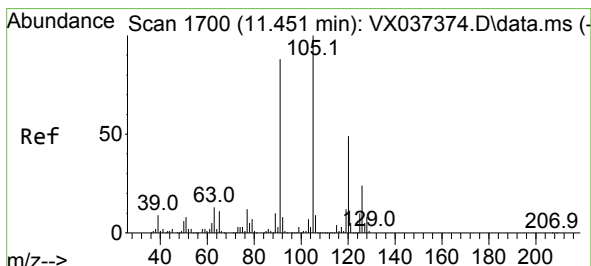
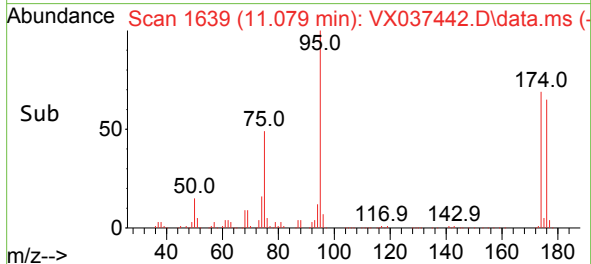
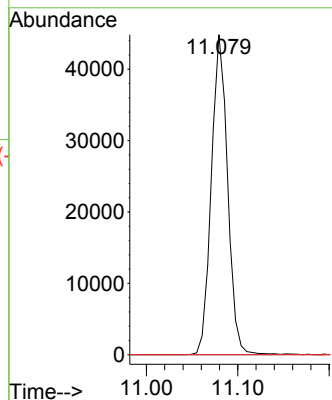
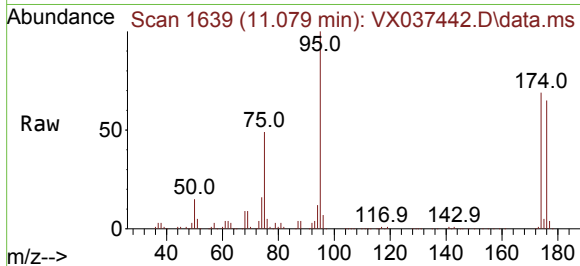




#81
trans-1,4-Dichloro-2-butene
Concen: 67.406 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

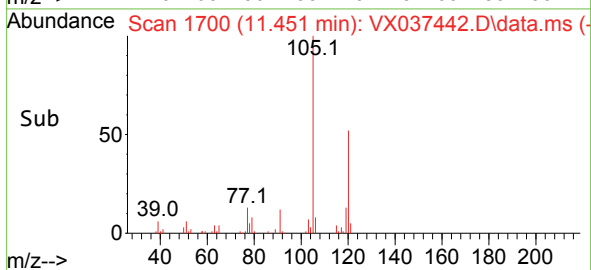
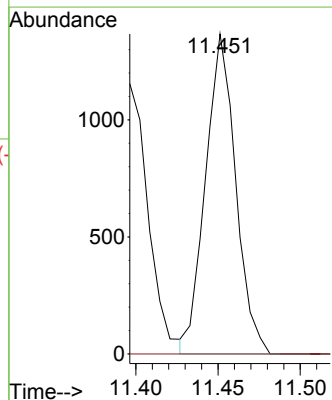
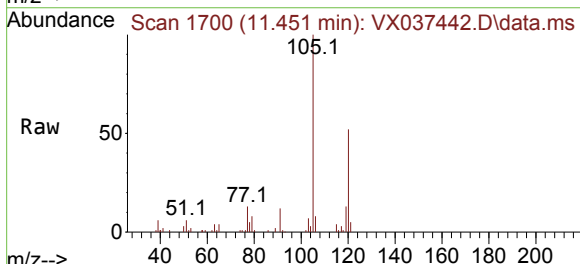
Instrument :
MSVOA_X
ClientSampleId :
1717DL

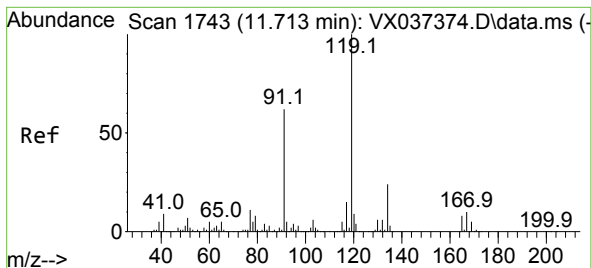
Tgt Ion: 75 Resp: 55224
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.271 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX037442.D
Acq: 31 Aug 2023 19:56

Tgt Ion: 91 Resp: 1741
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#





#83

tert-Butylbenzene

Concen: 1.339 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.037 min

Lab File: VX037442.D

Acq: 31 Aug 2023 19:56

Instrument :

MSVOA_X

ClientSampleId :

1717DL

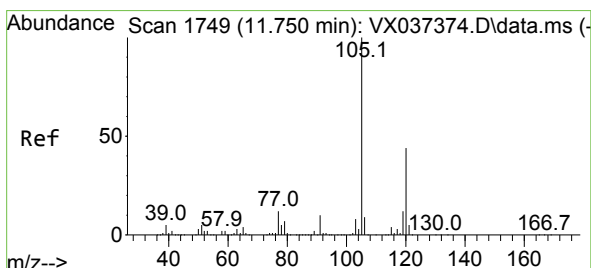
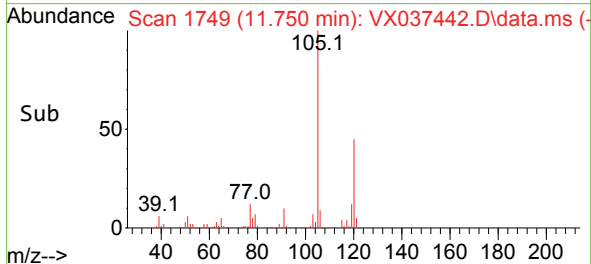
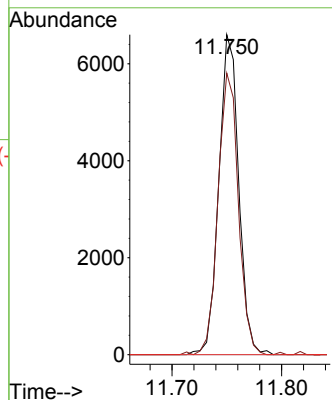
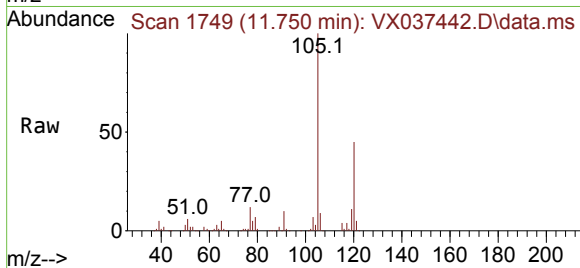
Tgt Ion:119 Resp: 8319

Ion Ratio Lower Upper

119 100

91 90.3 31.2 93.6

134 0.0 11.7 35.0#



#84

1,2,4-Trimethylbenzene

Concen: 10.905 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX037442.D

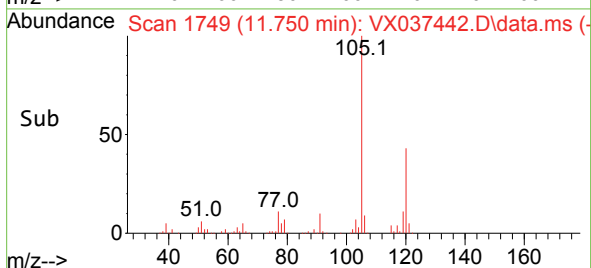
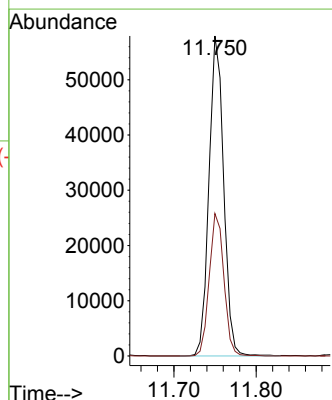
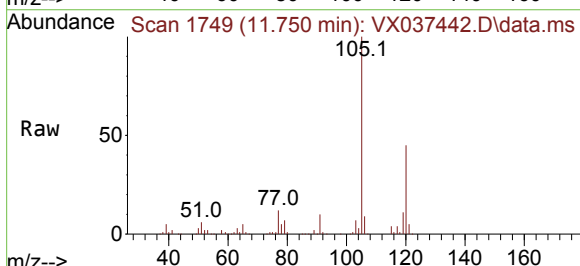
Acq: 31 Aug 2023 19:56

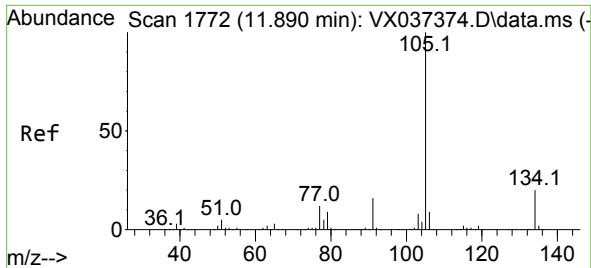
Tgt Ion:105 Resp: 71800

Ion Ratio Lower Upper

105 100

120 44.5 21.2 63.6

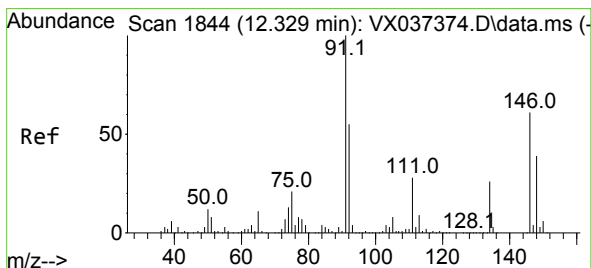
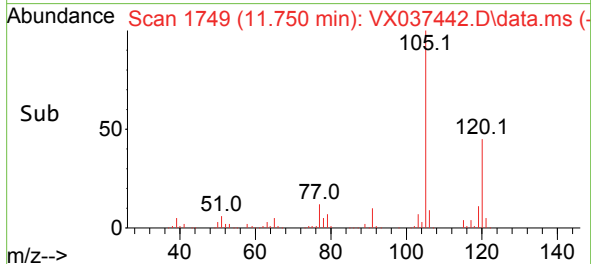
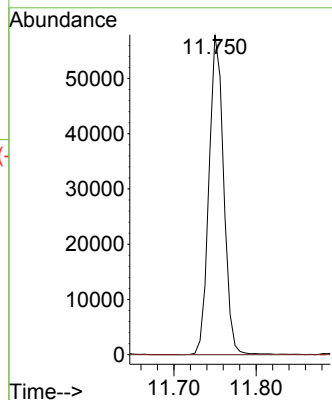
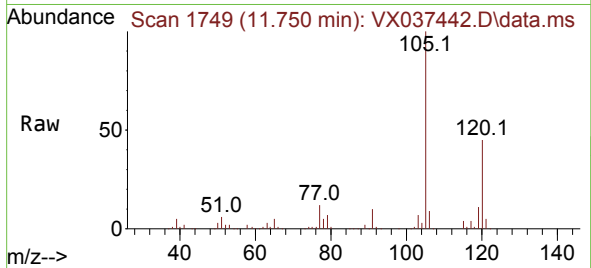




#85
 sec-Butylbenzene
 Concen: 9.894 ug/l
 RT: 11.750 min Scan# 1171
 Delta R.T. -0.140 min
 Lab File: VX037442.D
 Acq: 31 Aug 2023 19:56

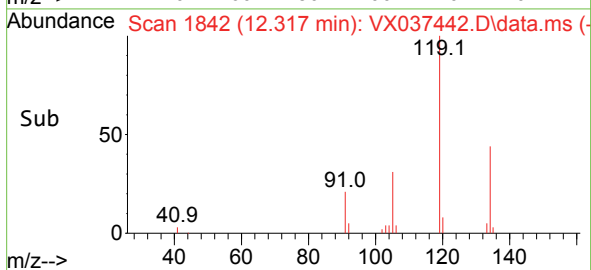
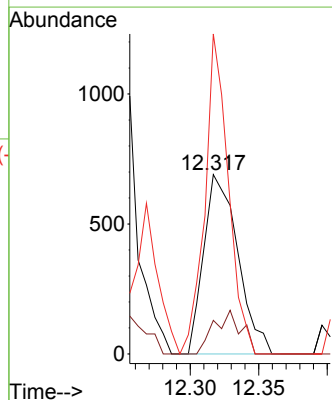
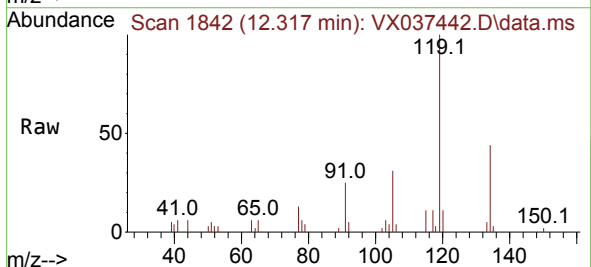
Instrument :
 MSVOA_X
 ClientSampleId :
 1717DL

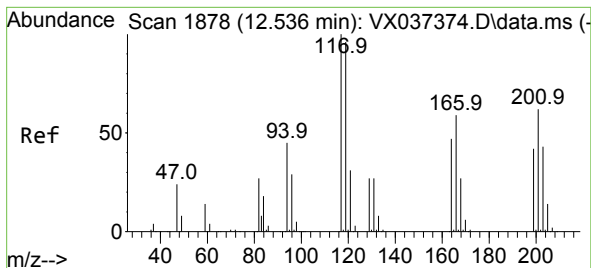
Tgt Ion:105 Resp: 71800
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#89
 n-Butylbenzene
 Concen: 0.231 ug/l
 RT: 12.317 min Scan# 1842
 Delta R.T. -0.012 min
 Lab File: VX037442.D
 Acq: 31 Aug 2023 19:56

Tgt Ion: 91 Resp: 1196
 Ion Ratio Lower Upper
 91 100
 92 19.4 27.4 82.0#
 134 122.7 12.6 37.8#





#90

Hexachloroethane

Concen: 1.375 ug/l

RT: 12.646 min Scan# 1896

Delta R.T. 0.110 min

Lab File: VX037442.D

Acq: 31 Aug 2023 19:56

Instrument :

MSVOA_X

ClientSampleId :

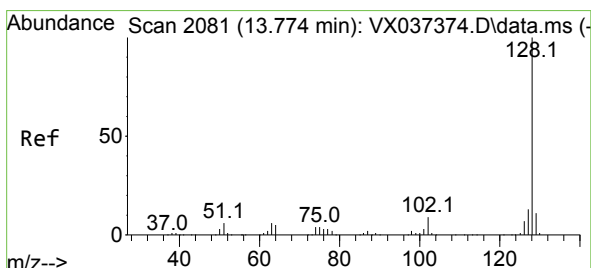
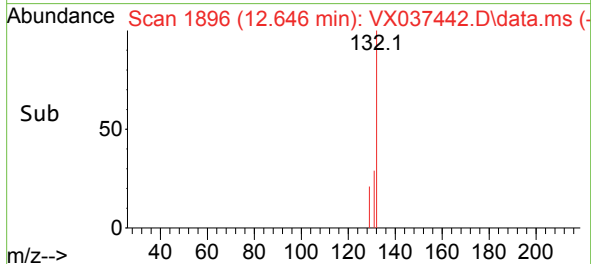
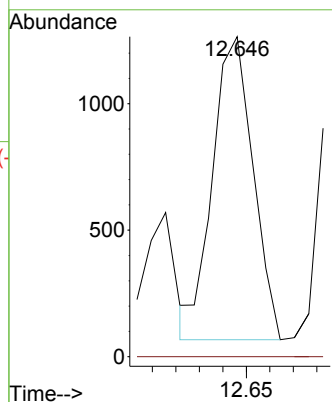
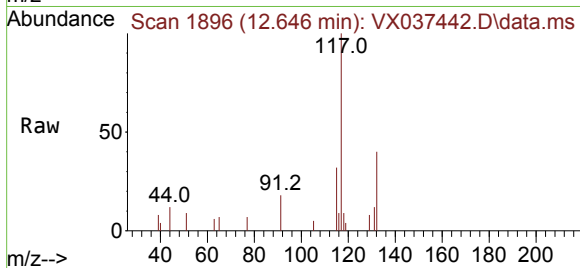
1717DL

Tgt Ion:117 Resp: 1434

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#95

Naphthalene

Concen: 15.363 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX037442.D

Acq: 31 Aug 2023 19:56

Tgt Ion:128 Resp: 137695

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.9 8.8 13.2

