

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037310.D
 Acq On : 29 Aug 2023 01:05
 Operator : JC/MD
 Sample : VX0828WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828WBL02

Quant Time: Aug 29 03:07:44 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)

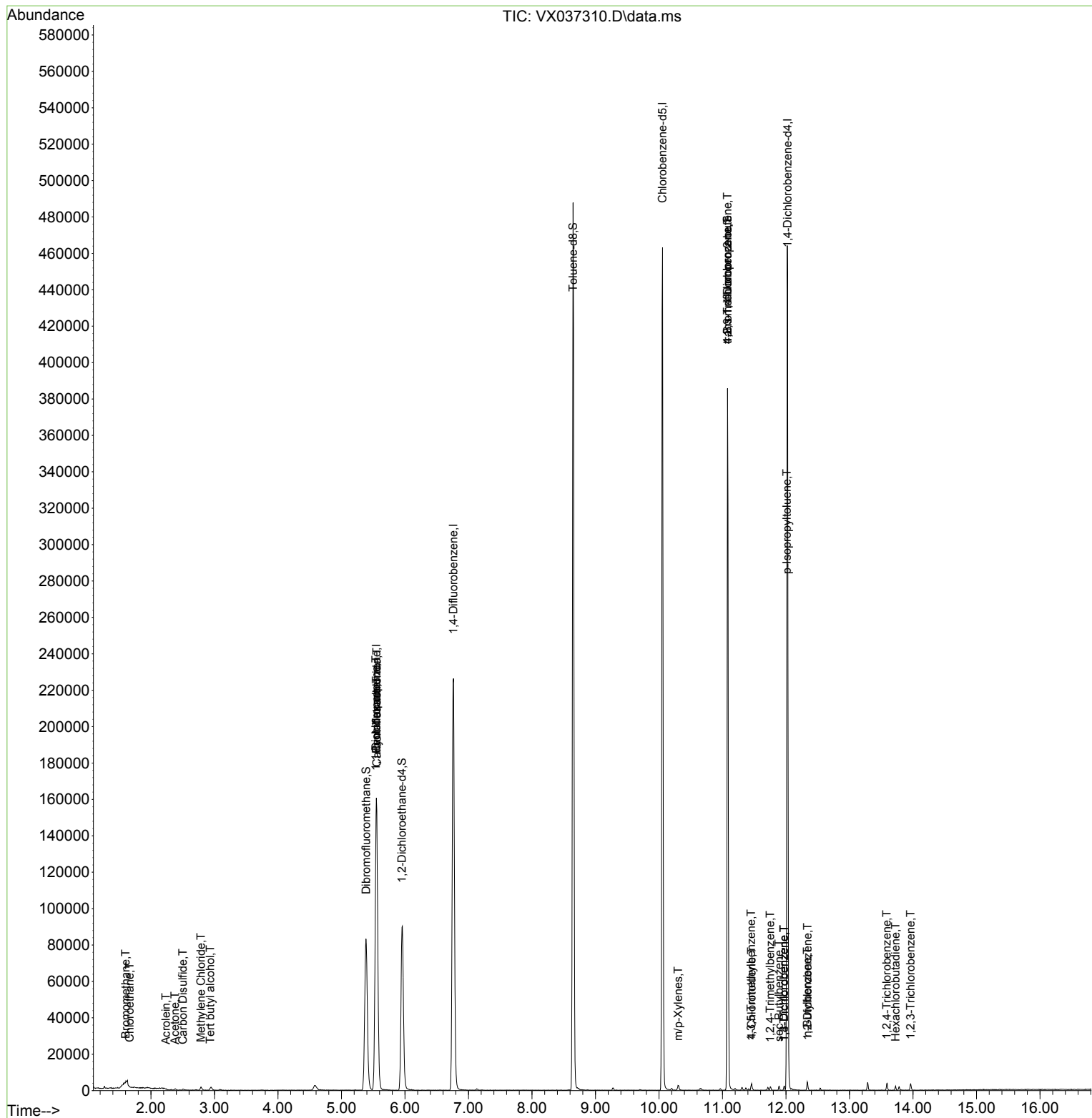
Internal Standards						
1) Pentafluorobenzene	5.550	168	150252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246950	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91620	42.296	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.600%		
35) Dibromofluoromethane	5.385	113	75292	46.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.080%		
50) Toluene-d8	8.647	98	288849	48.689	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.380%		
62) 4-Bromofluorobenzene	11.079	95	104780	44.943	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.880%		
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	221	0.267	ug/l #	77
6) Chloroethane	1.666	64	284	0.290	ug/l #	55
11) Tert butyl alcohol	2.935	59	645	1.269	ug/l #	78
13) Acrolein	2.233	56	136	0.352	ug/l #	78
16) Acetone	2.380	43	702	0.828	ug/l	99
17) Carbon Disulfide	2.502	76	898	0.228	ug/l #	76
20) Methylene Chloride	2.788	84	944	0.498	ug/l #	82
31) Cyclohexane	5.550	56	3275	1.345	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11823	5.088	ug/l #	51
38) Carbon Tetrachloride	5.556	117	16036	6.353	ug/l #	15
68) m/p-Xylenes	10.299	106	810	0.259	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	52070	24.791	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	1252	0.209	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.079	75	52070	69.244	ug/l #	5
82) 4-Chlorotoluene	11.457	91	1279	0.217	ug/l	85
84) 1,2,4-Trimethylbenzene	11.750	105	1217	0.201	ug/l	95
85) sec-Butylbenzene	11.890	105	1398	0.210	ug/l	92
86) p-Isopropyltoluene	12.012	119	1523	0.266	ug/l #	81
87) 1,3-Dichlorobenzene	11.969	146	957	0.292	ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	957	0.283	ug/l	98
89) n-Butylbenzene	12.335	91	1499	0.315	ug/l	99
91) 1,2-Dichlorobenzene	12.341	146	648	0.202	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	1169	0.622	ug/l	91
94) Hexachlorobutadiene	13.725	225	379	0.522	ug/l	92
96) 1,2,3-Trichlorobenzene	13.963	180	1057	0.567	ug/l	94

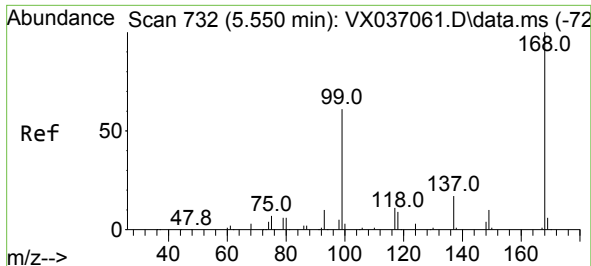
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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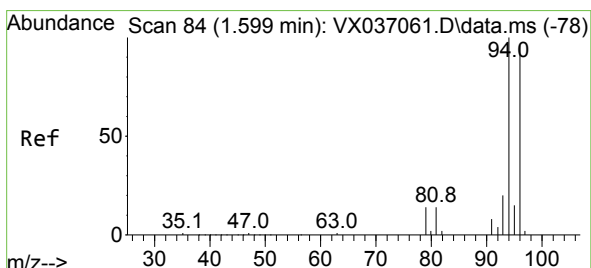
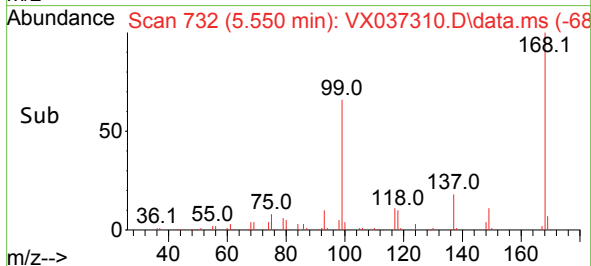
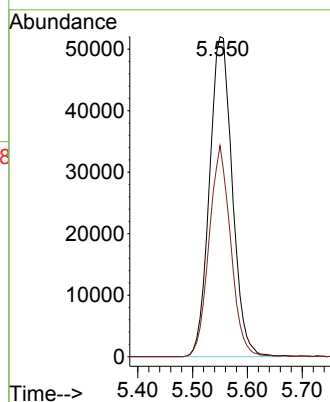
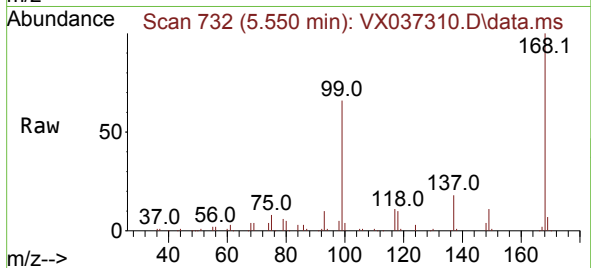




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

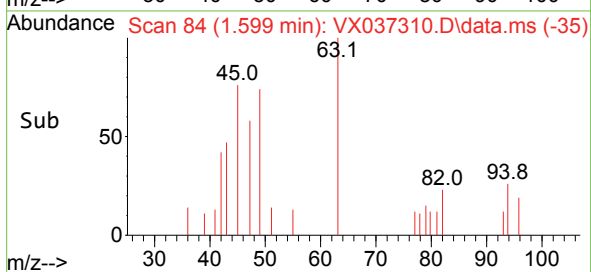
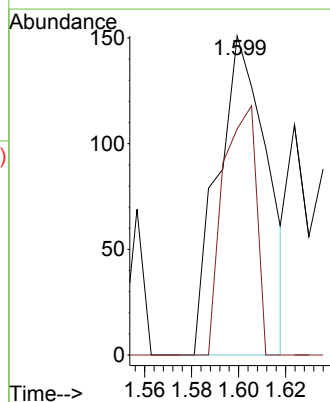
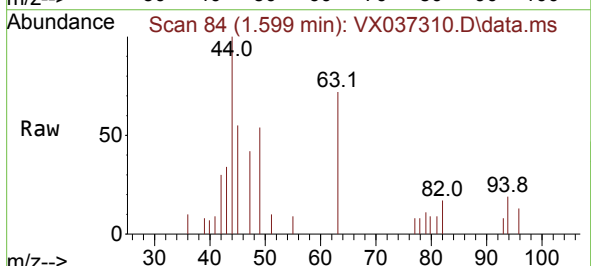
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL02

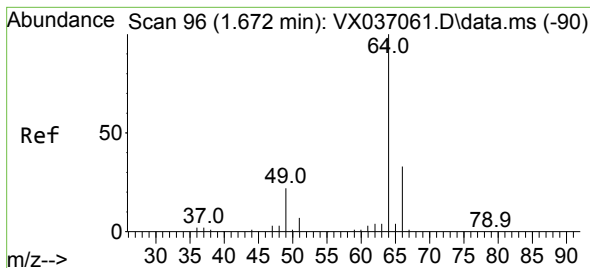
Tgt Ion:168 Resp: 150252
Ion Ratio Lower Upper
168 100
99 65.9 56.6 85.0



#5
Bromomethane
Concen: 0.267 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion: 94 Resp: 221
Ion Ratio Lower Upper
94 100
96 70.9 74.6 111.8#

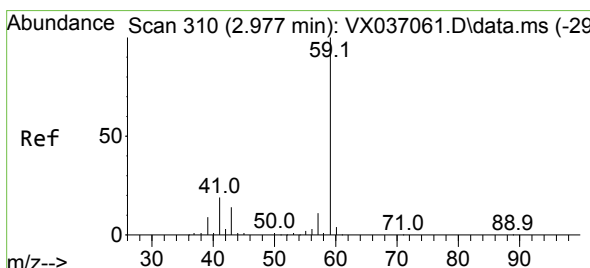
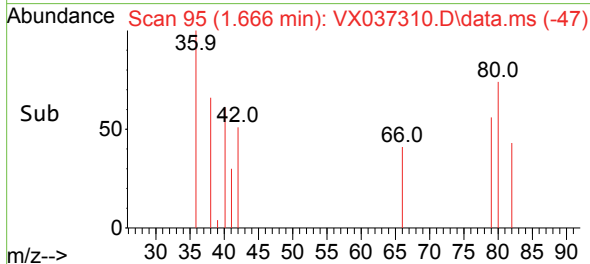
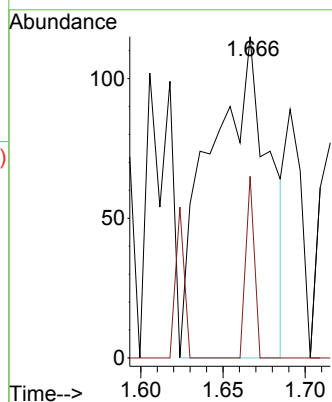
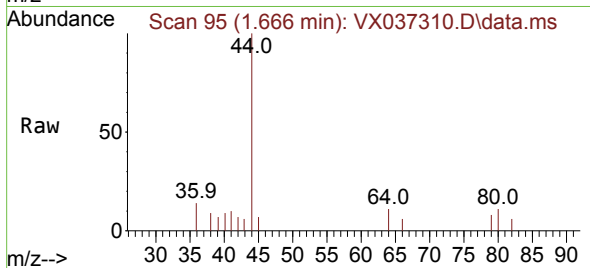




#6
Chloroethane
Concen: 0.290 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

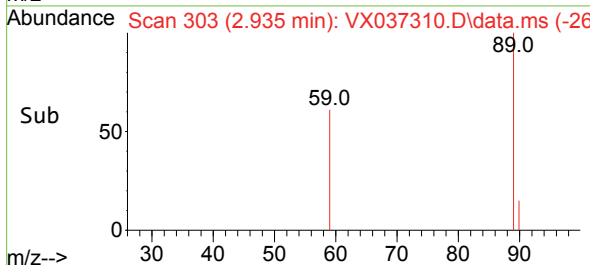
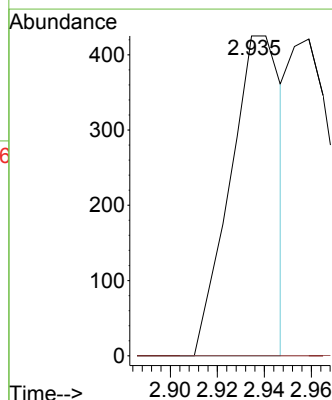
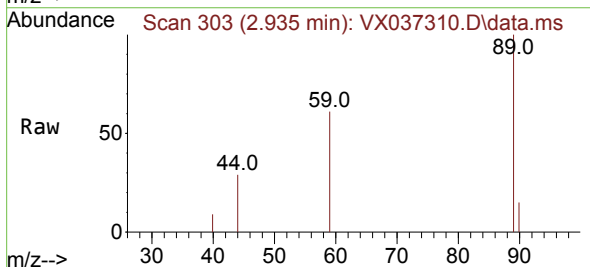
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL02

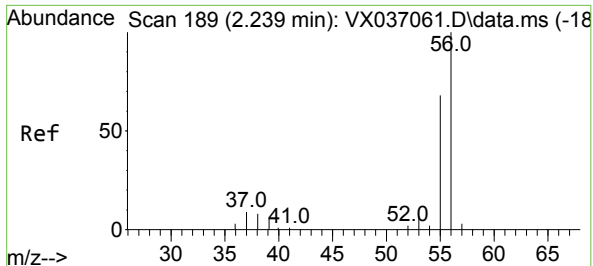
Tgt Ion: 64 Resp: 284
Ion Ratio Lower Upper
64 100
66 56.5 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.269 ug/l
RT: 2.935 min Scan# 303
Delta R.T. -0.042 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion: 59 Resp: 645
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

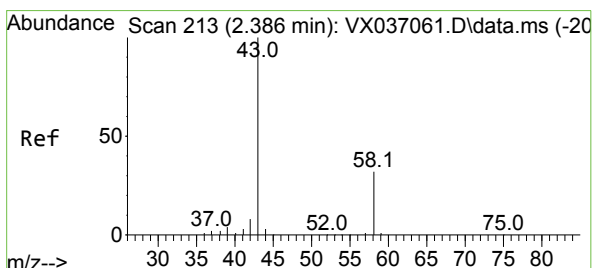
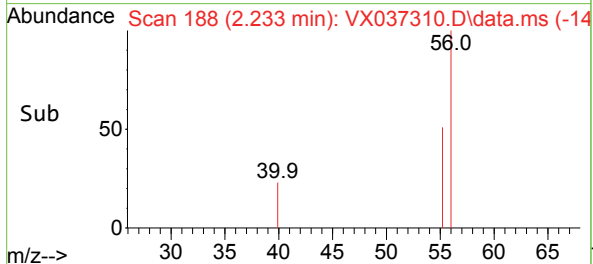
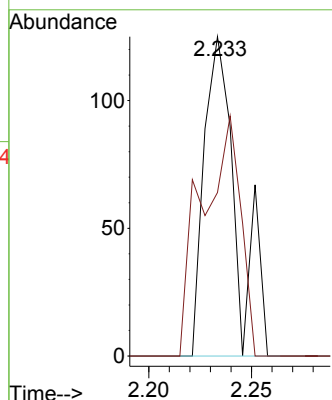
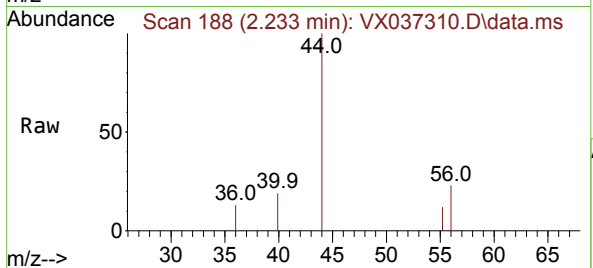




#13
Acrolein
Concen: 0.352 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

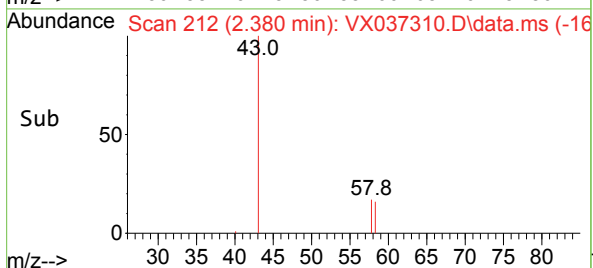
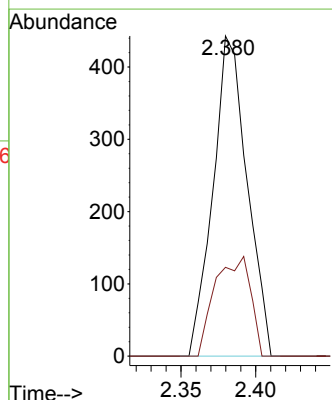
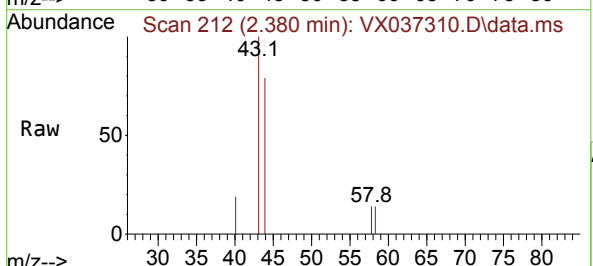
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL02

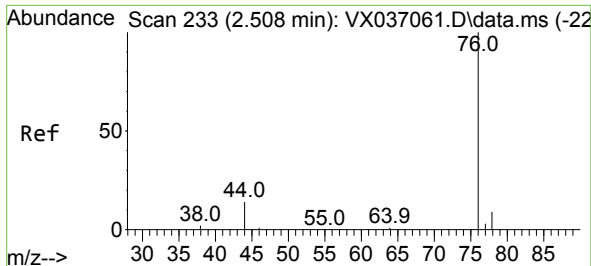
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 89.7 57.1 85.7#



#16
Acetone
Concen: 0.828 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
58 27.8 21.9 32.9

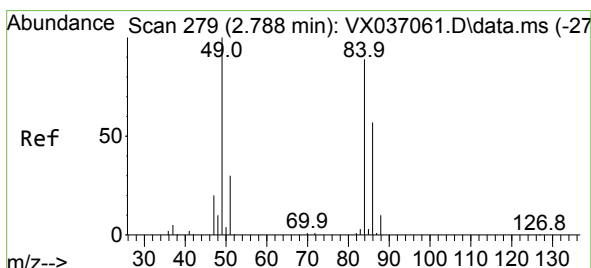
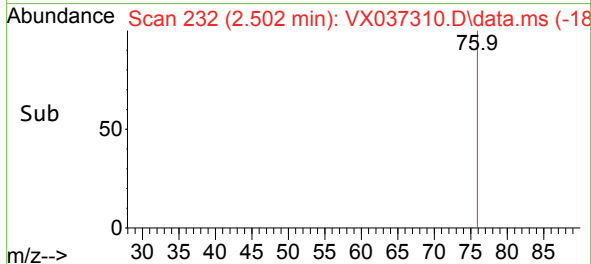
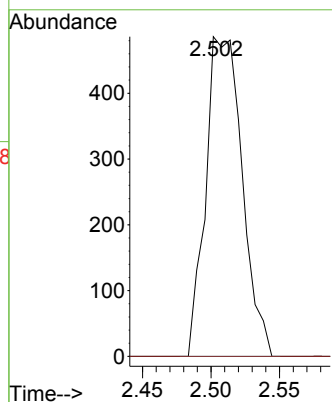
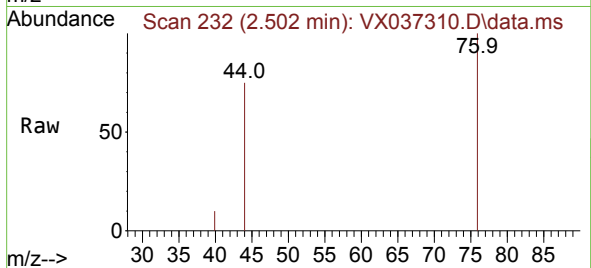




#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

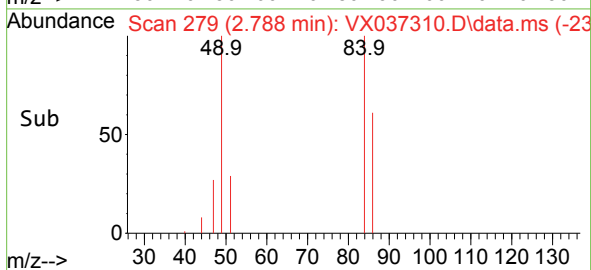
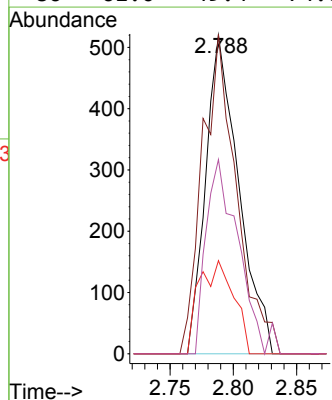
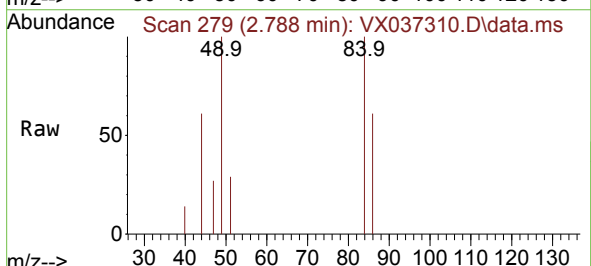
Instrument :
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ClientSampleId :
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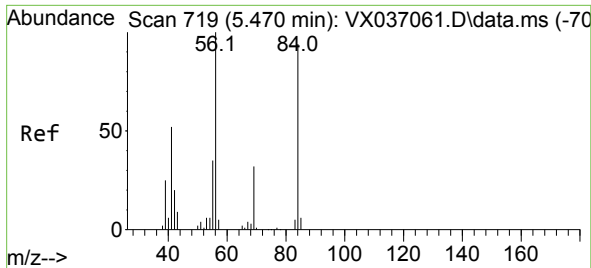
Tgt Ion: 76 Resp: 898
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#20
Methylene Chloride
Concen: 0.498 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion: 84 Resp: 944
Ion Ratio Lower Upper
84 100
49 100.4 103.6 155.4#
51 29.2 33.8 50.6#
86 61.0 49.4 74.0

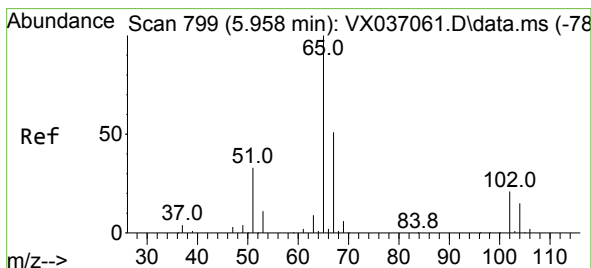
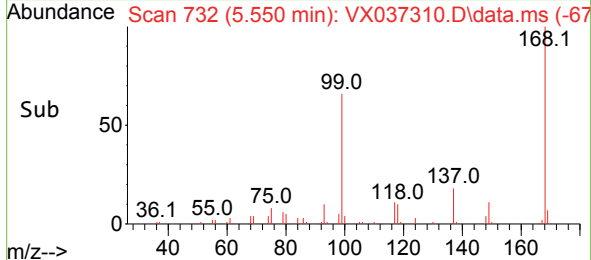
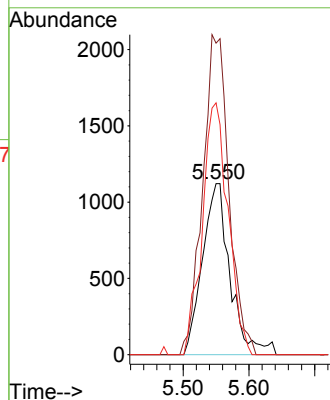
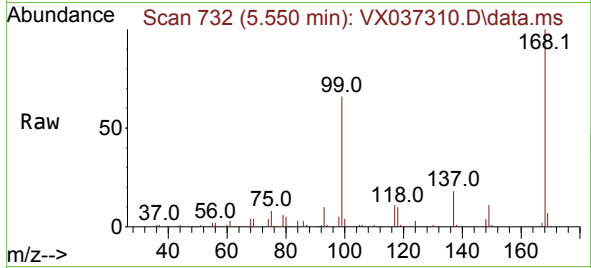




#31
Cyclohexane
Concen: 1.345 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

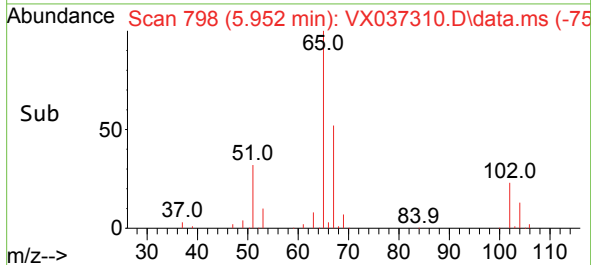
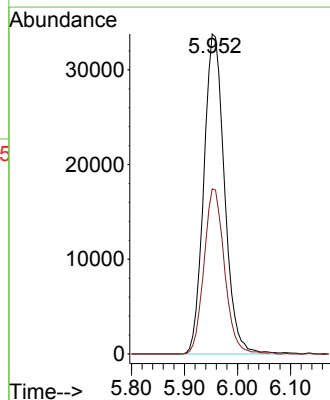
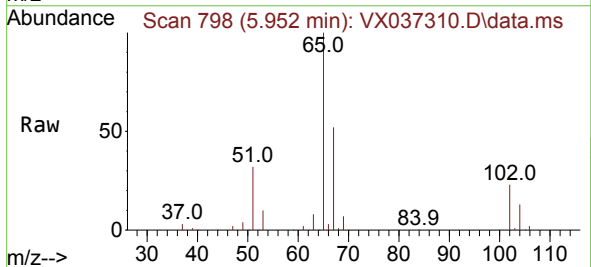
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ClientSampleId :
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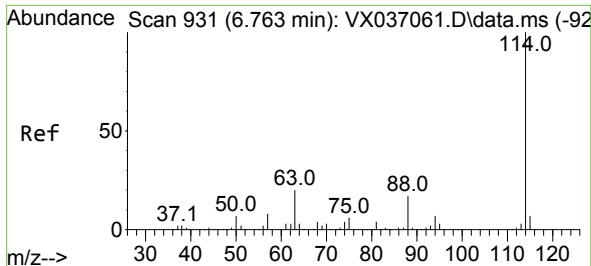
Tgt Ion: 56 Resp: 3275
Ion Ratio Lower Upper
56 100
69 182.2 23.4 35.2#
84 147.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.296 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion: 65 Resp: 91620
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

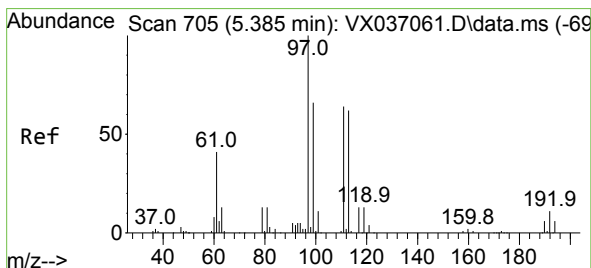
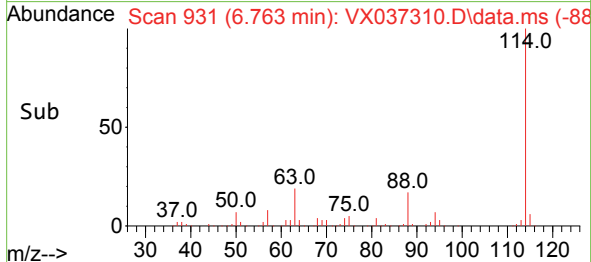
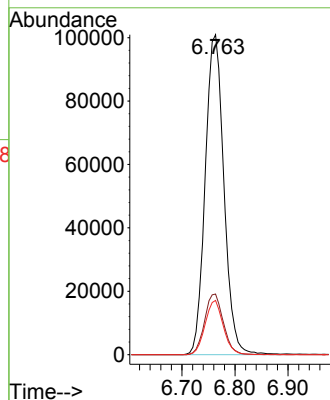
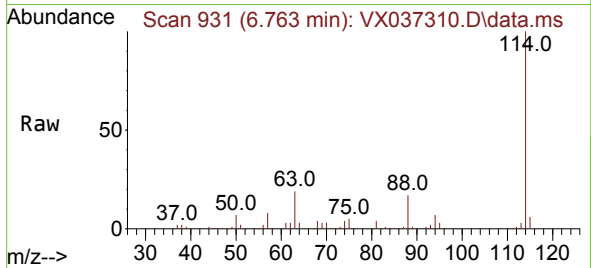




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

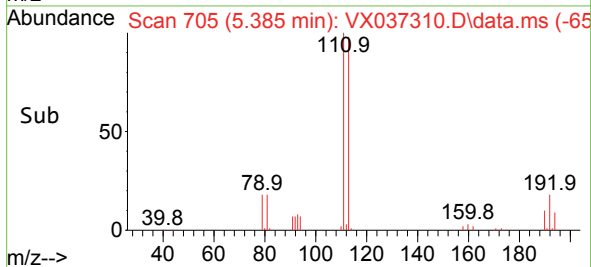
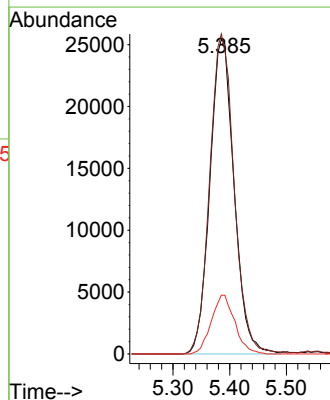
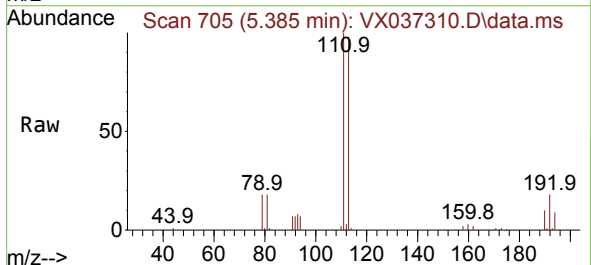
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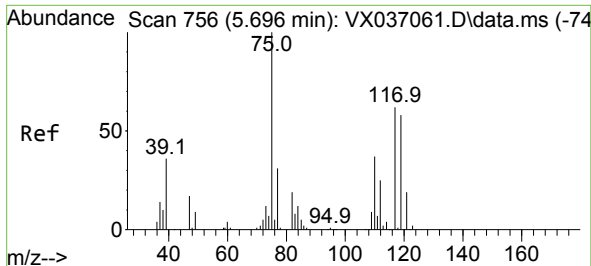
Tgt Ion:114 Resp: 246950
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 17.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.036 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion:113 Resp: 75292
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 18.1 13.3 19.9

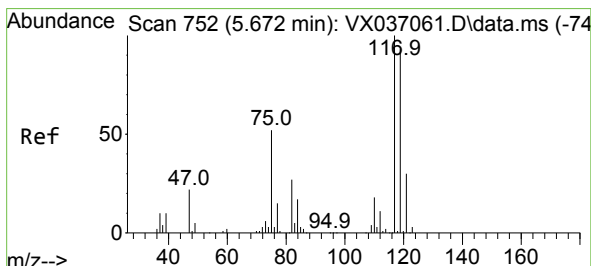
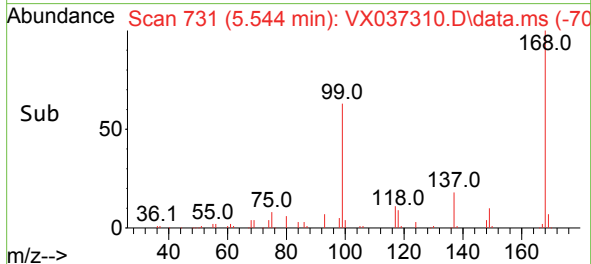
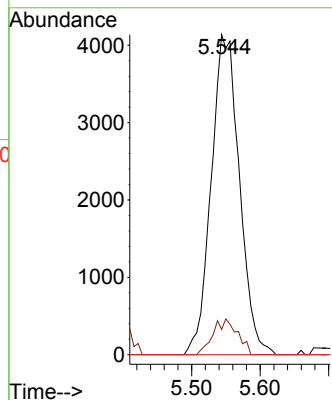
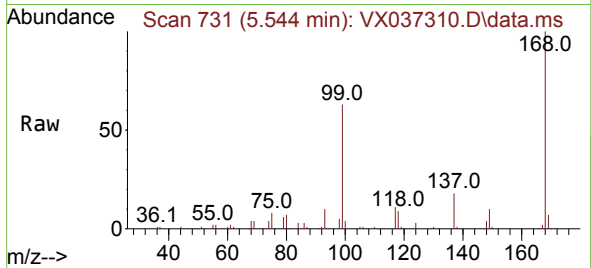




#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 5.544 min Scan# 711
 Delta R.T. -0.152 min
 Lab File: VX037310.D
 Acq: 29 Aug 2023 01:05

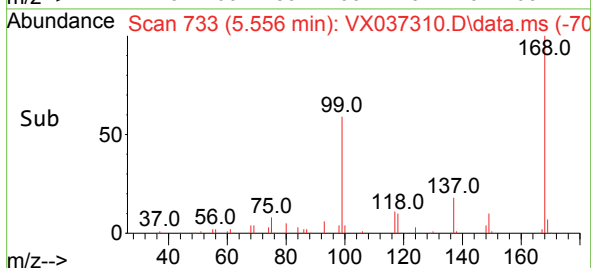
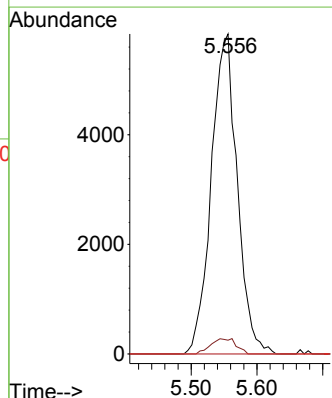
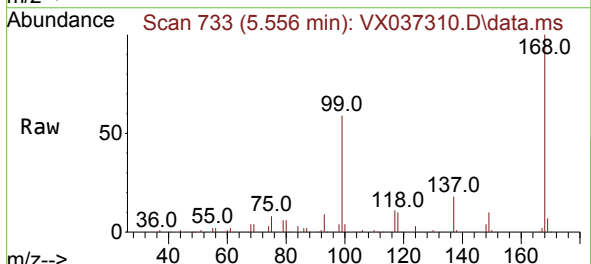
Instrument :
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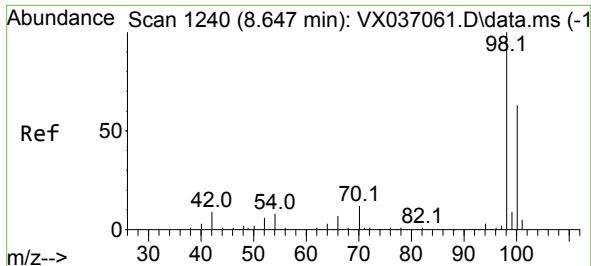
Tgt Ion: 75 Resp: 11823
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.353 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.116 min
 Lab File: VX037310.D
 Acq: 29 Aug 2023 01:05

Tgt Ion: 117 Resp: 16036
 Ion Ratio Lower Upper
 117 100
 119 4.3 78.2 117.2#
 121 0.0 24.4 36.6#

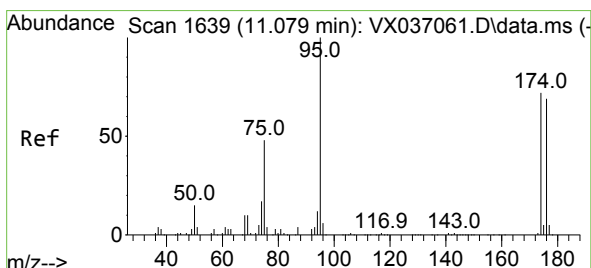
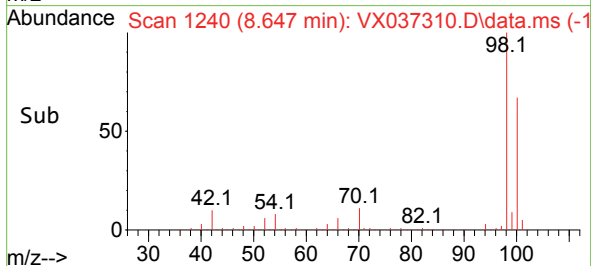
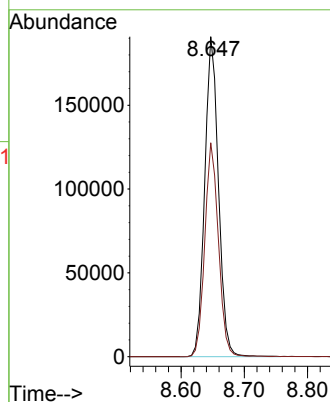
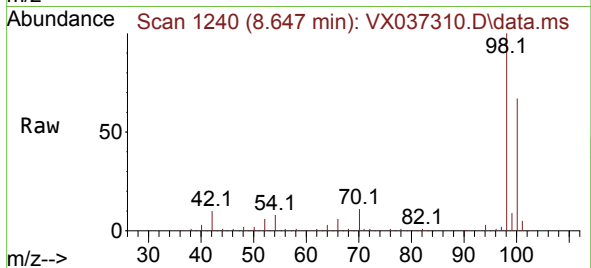




#50
Toluene-d8
Concen: 48.689 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

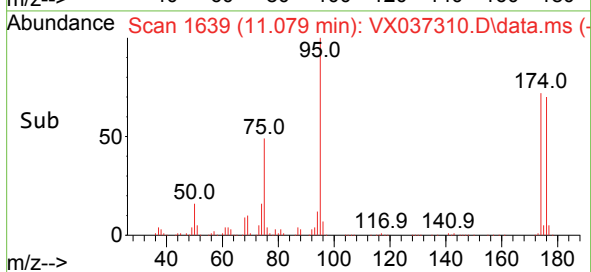
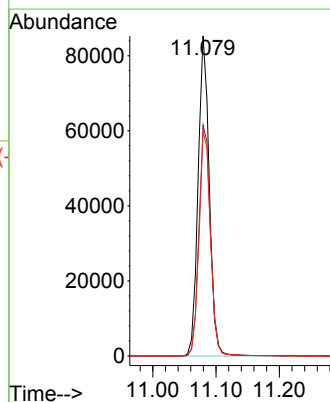
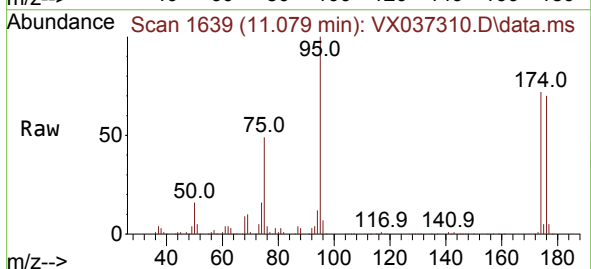
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL02

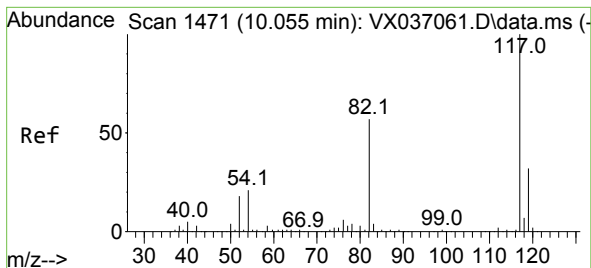
Tgt Ion: 98 Resp: 288849
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.943 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion: 95 Resp: 104780
Ion Ratio Lower Upper
95 100
174 74.9 0.0 135.6
176 72.1 0.0 131.0

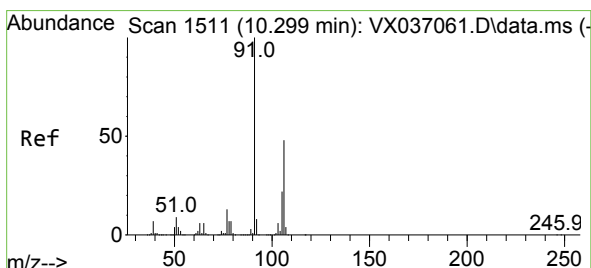
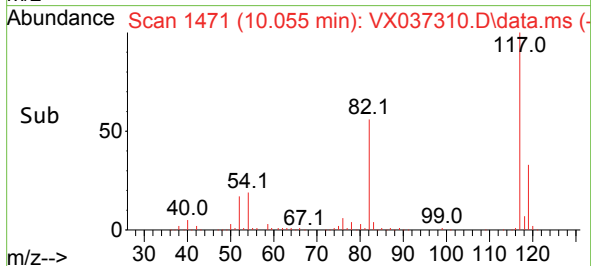
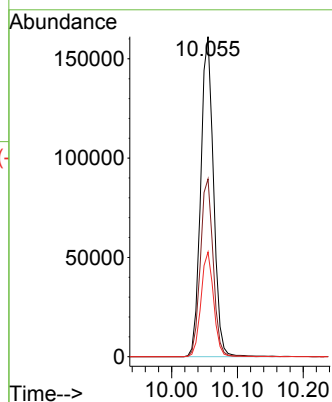
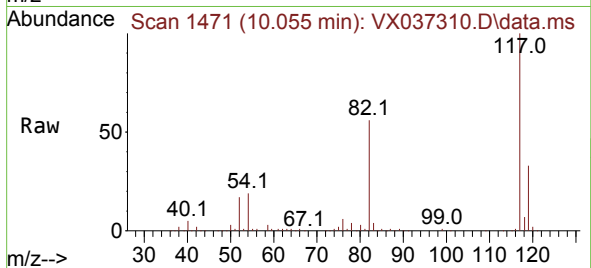




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

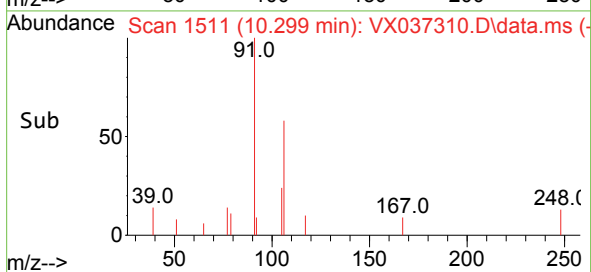
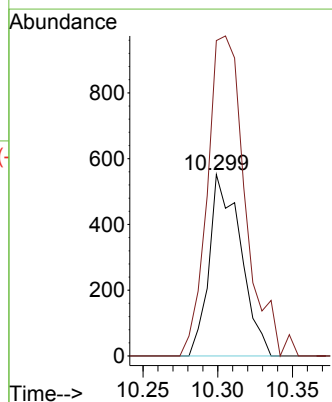
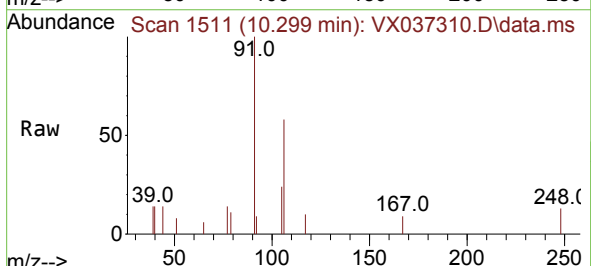
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL02

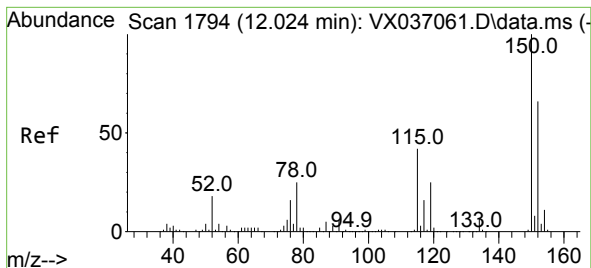
Tgt Ion:117 Resp: 217554
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 32.7 25.5 38.3



#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion:106 Resp: 810
Ion Ratio Lower Upper
106 100
91 211.9 165.5 248.3

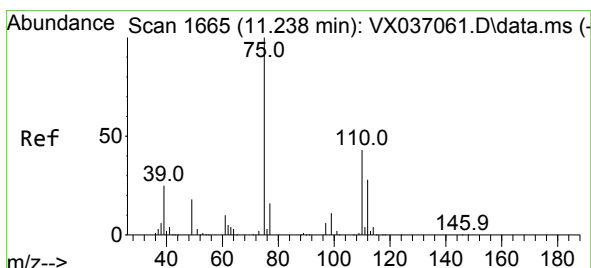
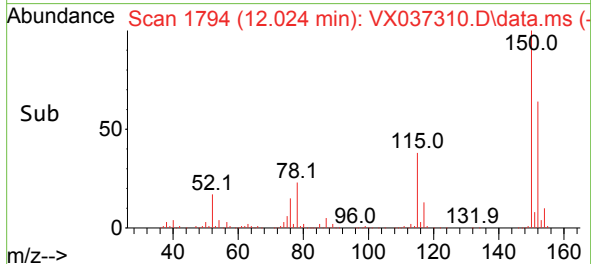
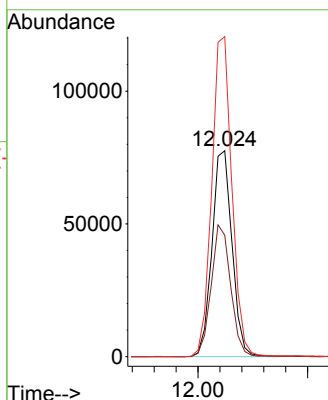
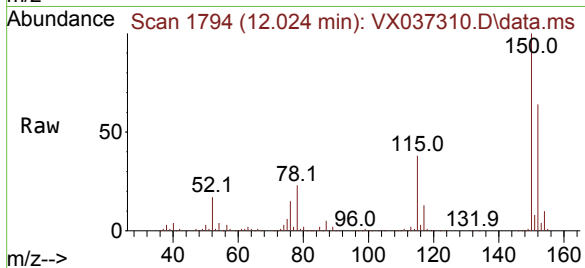




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

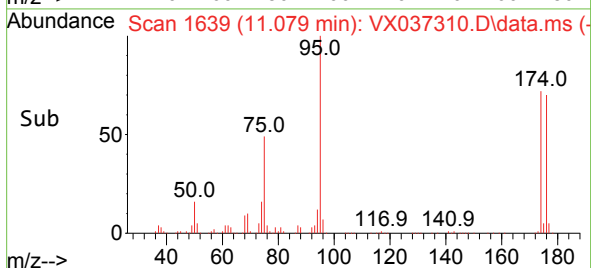
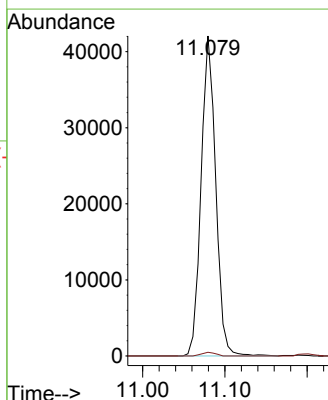
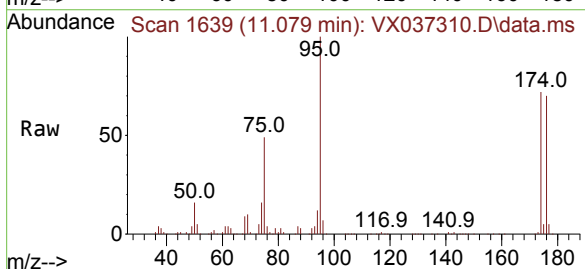
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL02

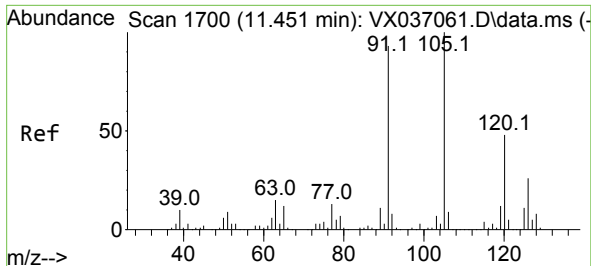
Tgt Ion:152 Resp: 98622
Ion Ratio Lower Upper
152 100
115 62.3 43.3 129.9
150 155.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 24.791 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion: 75 Resp: 52070
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

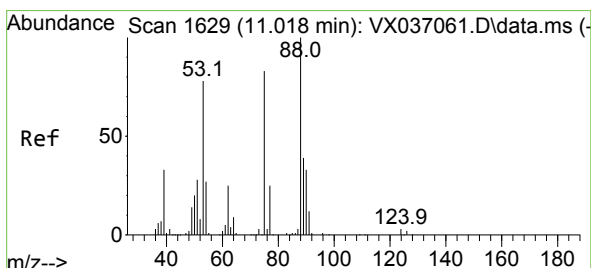
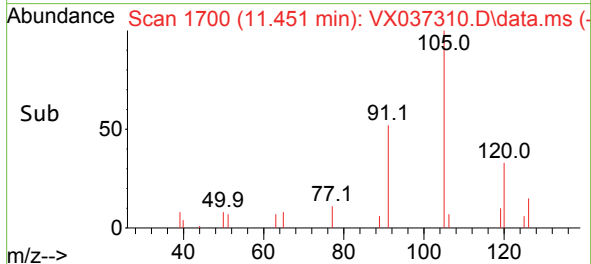
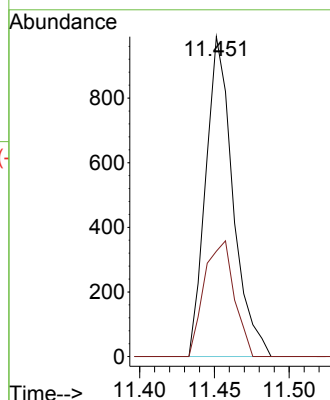
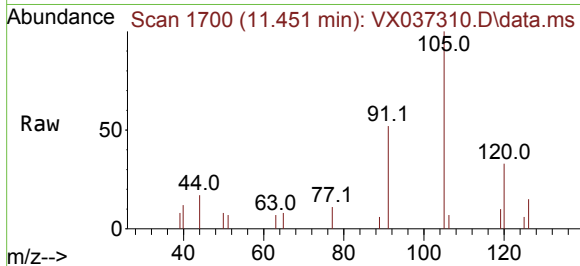




#80
1,3,5-Trimethylbenzene
Concen: 0.209 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

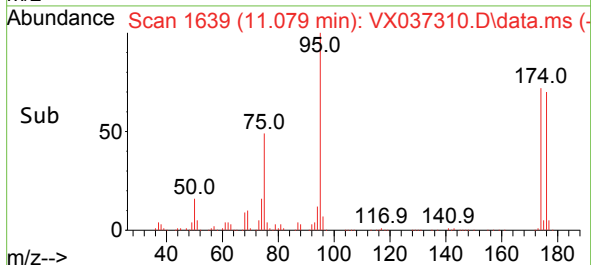
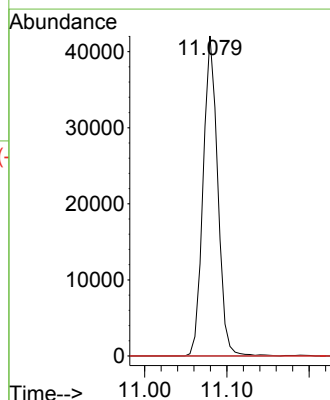
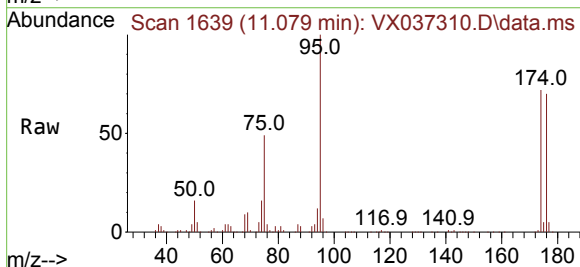
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL02

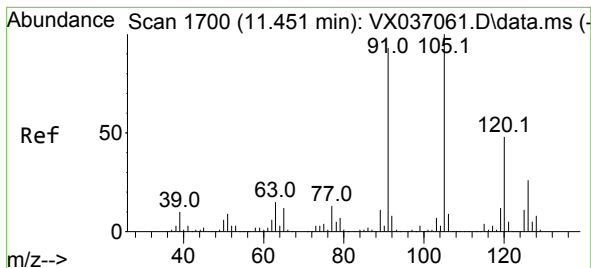
Tgt Ion:105 Resp: 1252
Ion Ratio Lower Upper
105 100
120 39.7 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 69.244 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion: 75 Resp: 52070
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

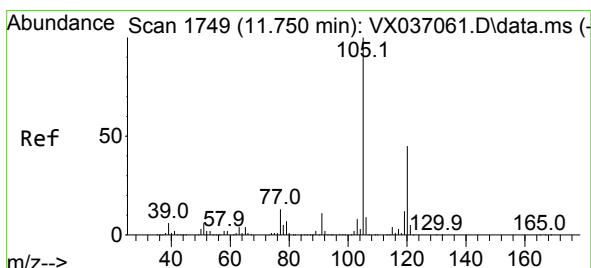
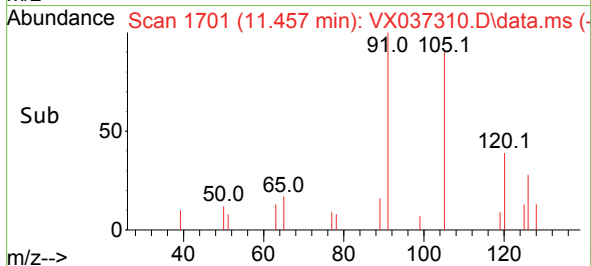
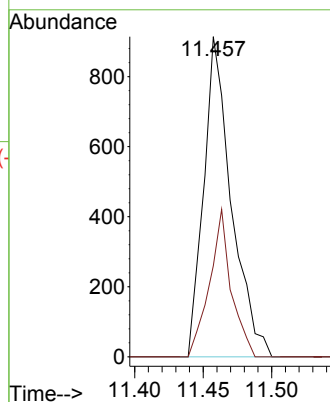
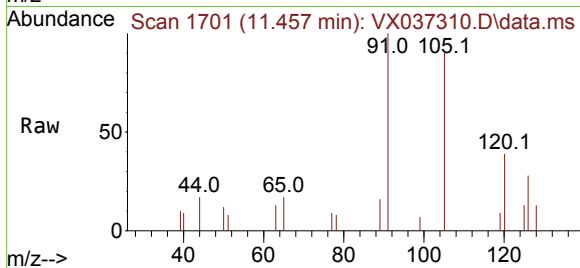




#82
4-Chlorotoluene
Concen: 0.217 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

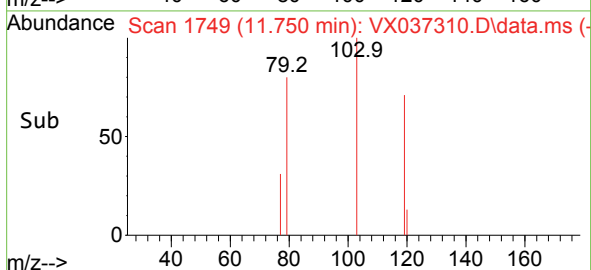
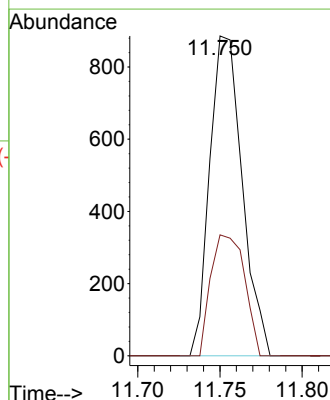
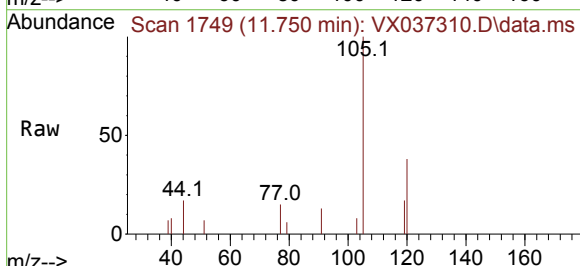
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL02

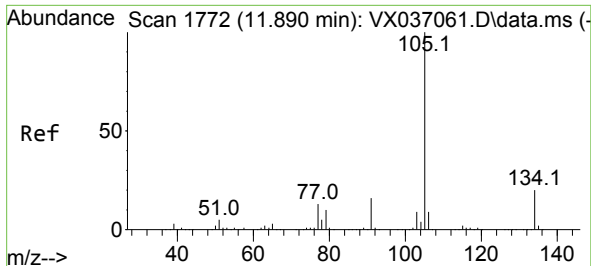
Tgt Ion: 91 Resp: 1279
Ion Ratio Lower Upper
91 100
126 36.1 14.2 42.6



#84
1,2,4-Trimethylbenzene
Concen: 0.201 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX037310.D
Acq: 29 Aug 2023 01:05

Tgt Ion: 105 Resp: 1217
Ion Ratio Lower Upper
105 100
120 39.1 21.2 63.6

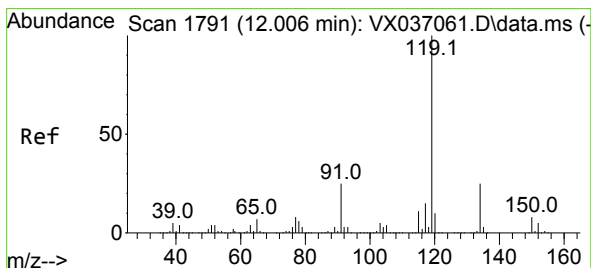
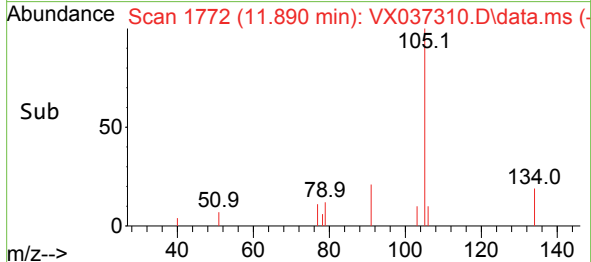
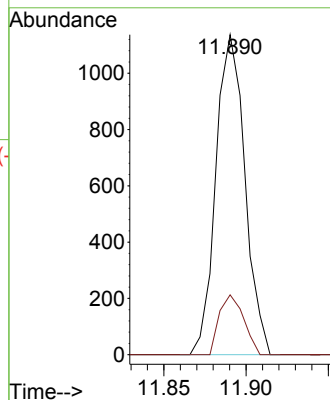
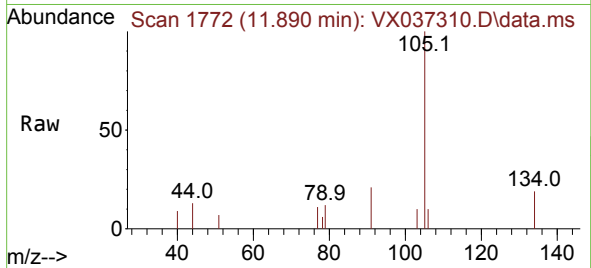




#85
 sec-Butylbenzene
 Concen: 0.210 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX037310.D
 Acq: 29 Aug 2023 01:05

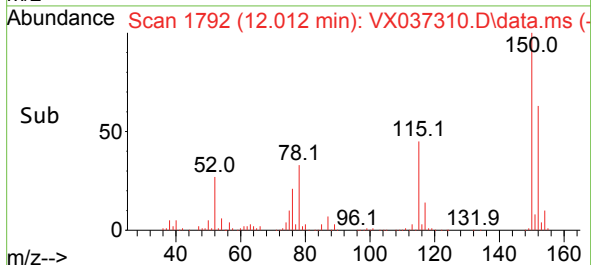
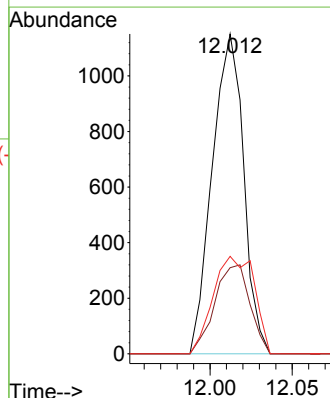
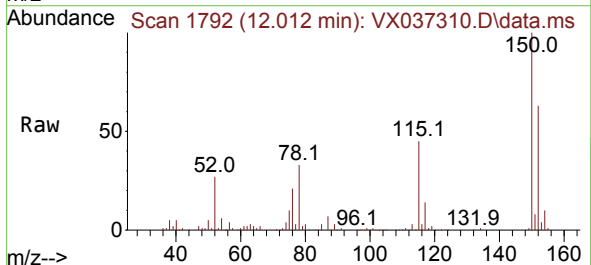
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828WBL02

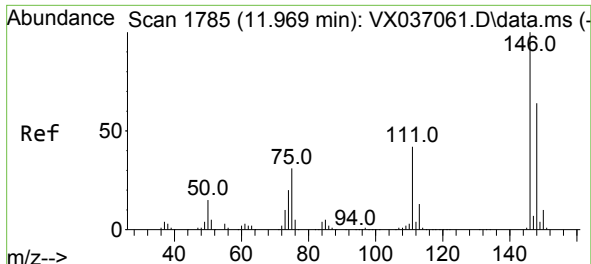
Tgt Ion:105 Resp: 1398
 Ion Ratio Lower Upper
 105 100
 134 15.7 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 0.266 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX037310.D
 Acq: 29 Aug 2023 01:05

Tgt Ion:119 Resp: 1523
 Ion Ratio Lower Upper
 119 100
 134 31.3 12.8 38.3
 91 40.1 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 0.292 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037310.D

Acq: 29 Aug 2023 01:05

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL02

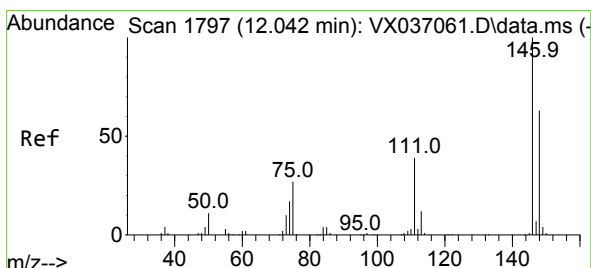
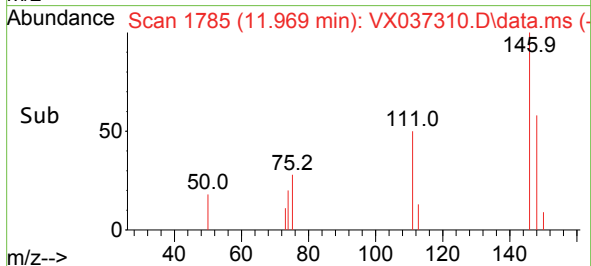
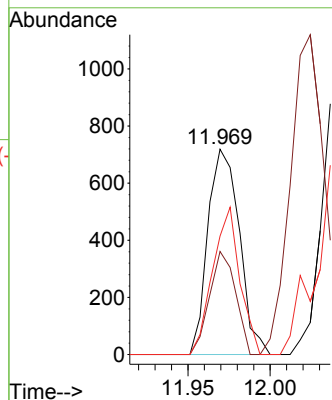
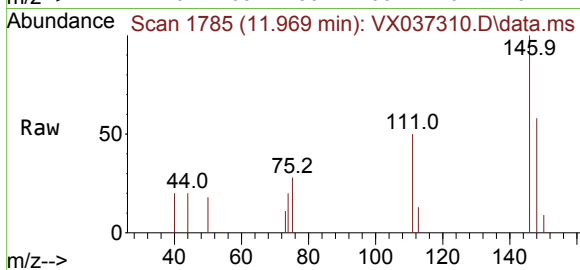
Tgt Ion:146 Resp: 957

Ion Ratio Lower Upper

146 100

111 41.7 22.1 66.1

148 61.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.283 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX037310.D

Acq: 29 Aug 2023 01:05

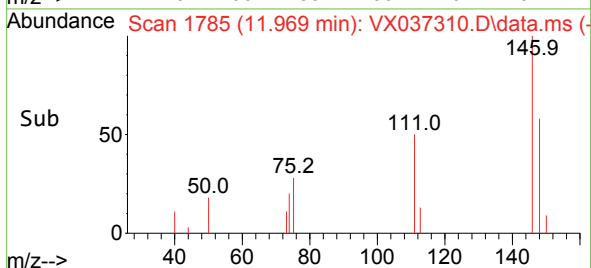
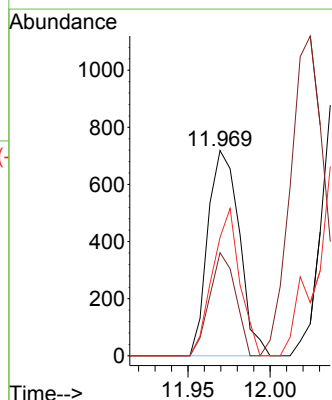
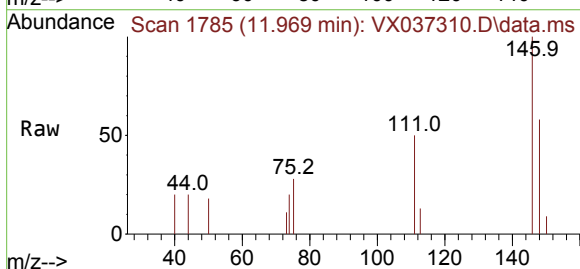
Tgt Ion:146 Resp: 957

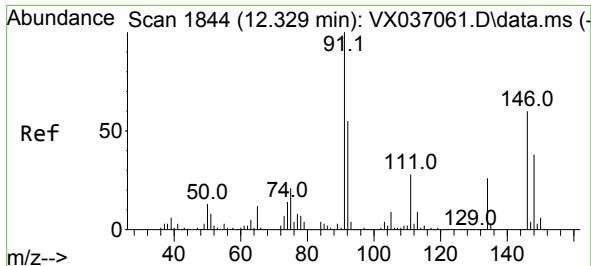
Ion Ratio Lower Upper

146 100

111 41.7 21.3 63.7

148 61.9 31.8 95.4





#89

n-Butylbenzene

Concen: 0.315 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX037310.D

Acq: 29 Aug 2023 01:05

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL02

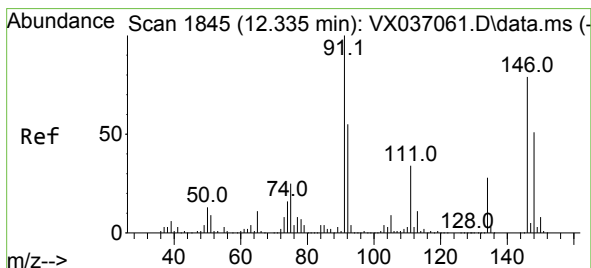
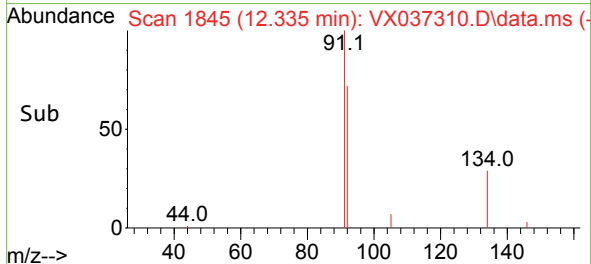
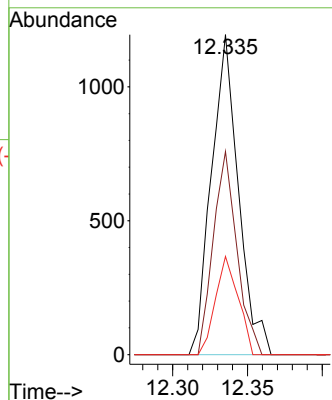
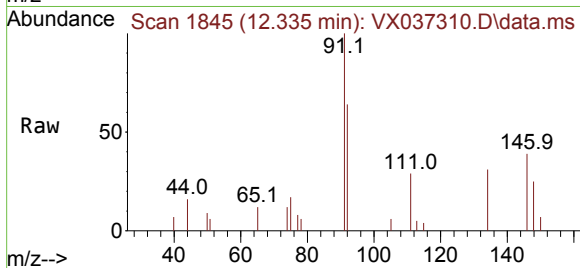
Tgt Ion: 91 Resp: 1499

Ion Ratio Lower Upper

91 100

92 55.6 27.4 82.0

134 25.9 12.6 37.8



#91

1,2-Dichlorobenzene

Concen: 0.202 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX037310.D

Acq: 29 Aug 2023 01:05

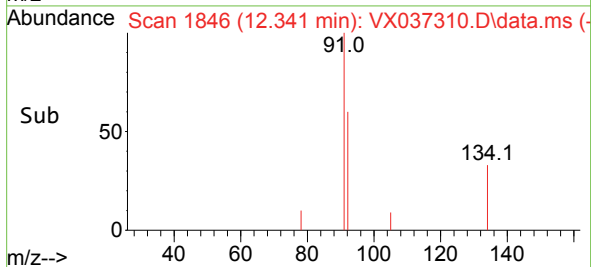
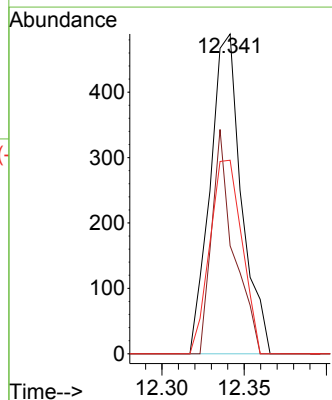
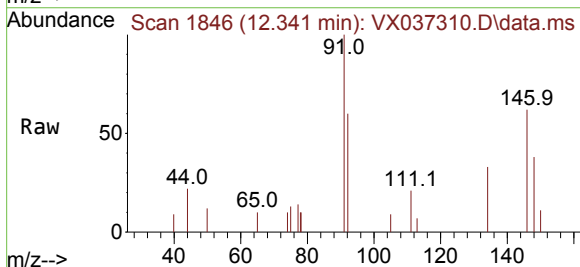
Tgt Ion:146 Resp: 648

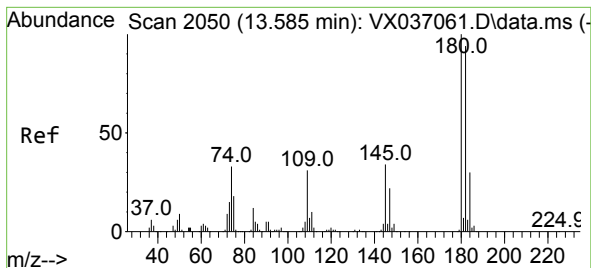
Ion Ratio Lower Upper

146 100

111 48.8 22.4 67.0

148 62.0 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.622 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX037310.D

Acq: 29 Aug 2023 01:05

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL02

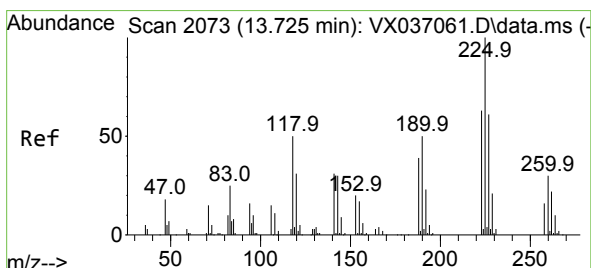
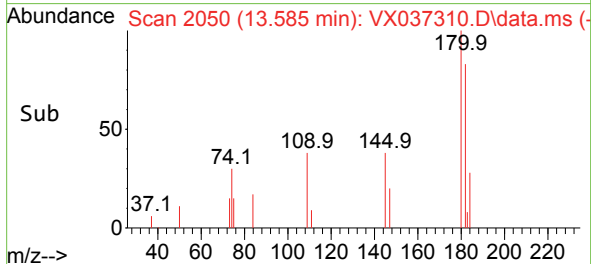
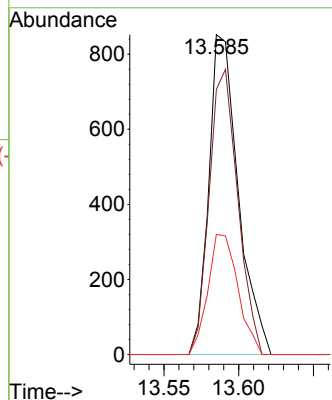
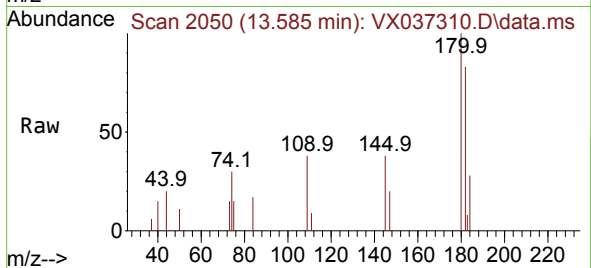
Tgt Ion:180 Resp: 1169

Ion Ratio Lower Upper

180 100

182 86.1 48.3 144.8

145 38.3 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.522 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037310.D

Acq: 29 Aug 2023 01:05

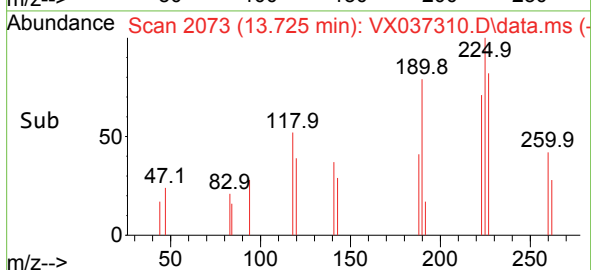
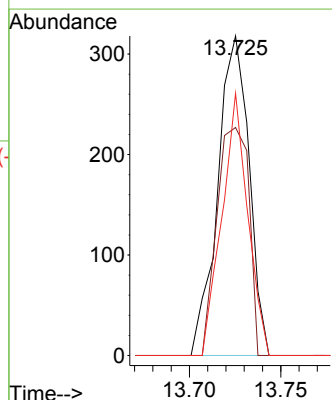
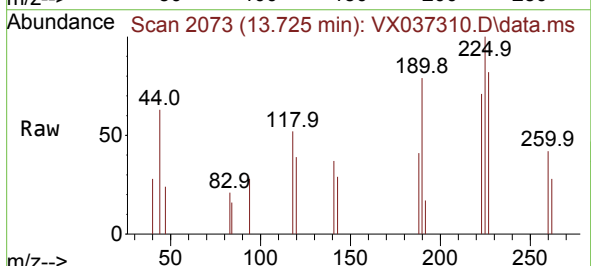
Tgt Ion:225 Resp: 379

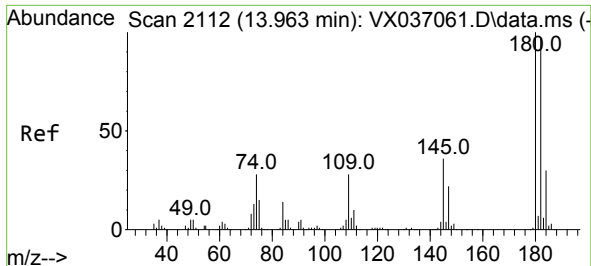
Ion Ratio Lower Upper

225 100

223 72.6 31.1 93.2

227 67.8 32.5 97.5





#96

1,2,3-Trichlorobenzene

Concen: 0.567 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX037310.D

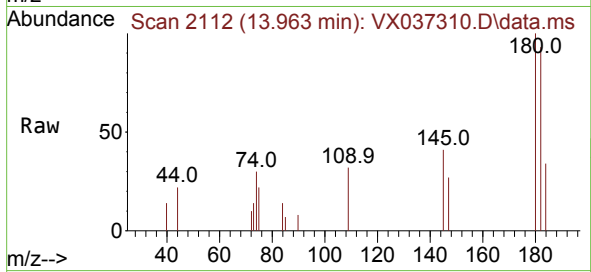
Acq: 29 Aug 2023 01:05

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL02



Tgt Ion:180 Resp: 1057

Ion Ratio Lower Upper

180 100

182 98.8 46.9 140.6

145 40.6 17.8 53.5

