

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037287.D
 Acq On : 28 Aug 2023 12:07
 Operator : JC/MD
 Sample : VX0828WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828WBL01

Quant Time: Aug 29 00:55:38 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)

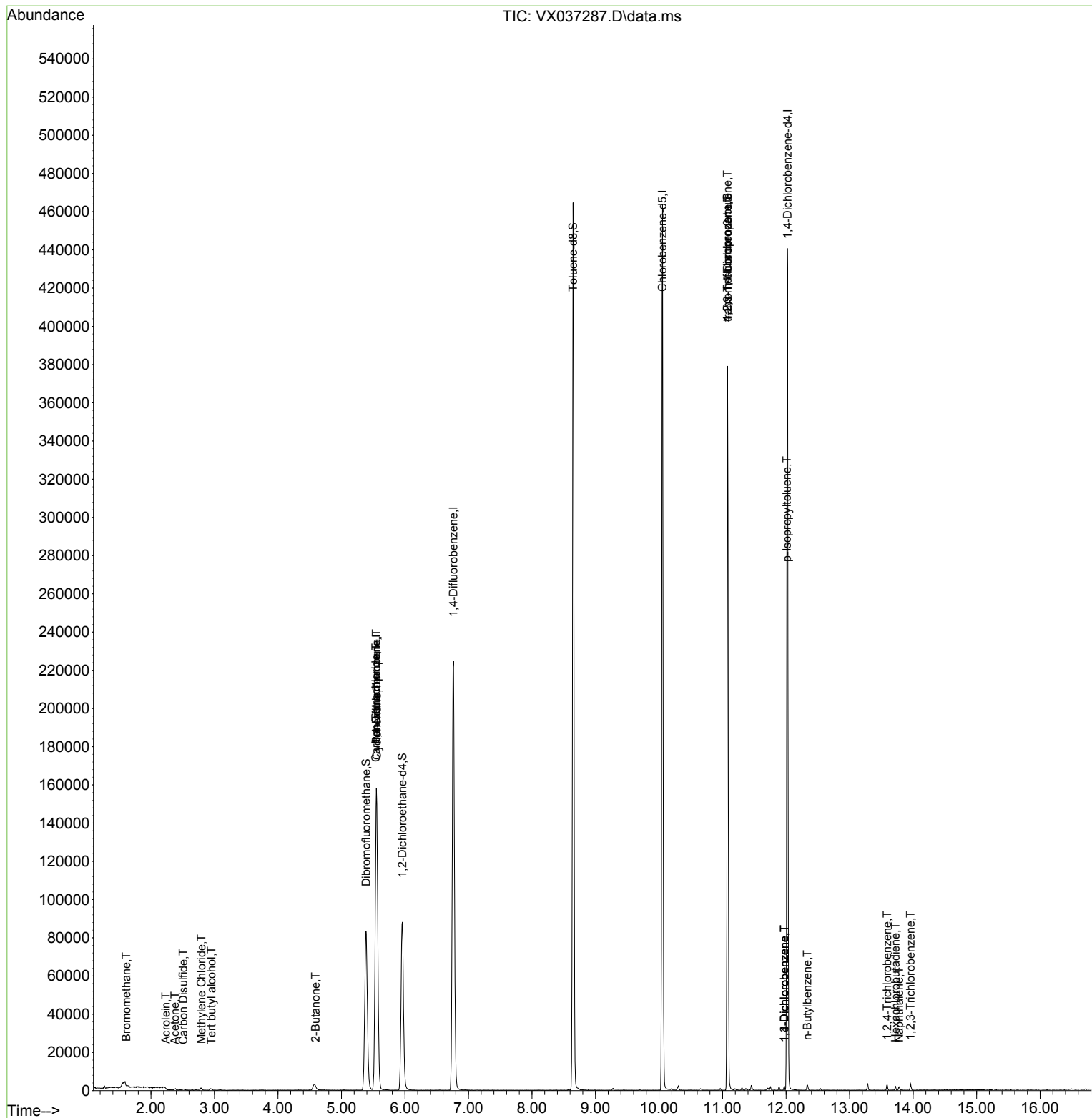
Internal Standards						
1) Pentafluorobenzene	5.550	168	147755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	239589	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89436	41.986	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.980%		
35) Dibromofluoromethane	5.385	113	73349	46.226	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.460%		
50) Toluene-d8	8.647	98	280267	48.694	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.380%		
62) 4-Bromofluorobenzene	11.079	95	101498	44.873	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.740%		
Target Compounds						Qvalue
5) Bromomethane	1.611	94	249	0.306	ug/l #	3
11) Tert butyl alcohol	2.953	59	638	1.277	ug/l #	78
13) Acrolein	2.233	56	213	0.560	ug/l #	30
16) Acetone	2.380	43	815	0.978	ug/l	95
17) Carbon Disulfide	2.508	76	834	0.216	ug/l #	76
20) Methylene Chloride	2.794	84	648	0.348	ug/l #	77
25) 2-Butanone	4.593	43	354	0.282	ug/l #	51
31) Cyclohexane	5.556	56	2930	1.223	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11551	5.124	ug/l #	52
38) Carbon Tetrachloride	5.544	117	15846	6.471	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	50585	25.603	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	50585	71.511	ug/l #	5
86) p-Isopropyltoluene	12.012	119	1177	0.218	ug/l #	72
87) 1,3-Dichlorobenzene	11.975	146	832	0.270	ug/l	89
88) 1,4-Dichlorobenzene	11.975	146	832	0.261	ug/l	89
89) n-Butylbenzene	12.335	91	1174	0.263	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	941	0.533	ug/l	97
94) Hexachlorobutadiene	13.725	225	378	0.554	ug/l	86
95) Naphthalene	13.780	128	1682	0.217	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	920	0.524	ug/l	95

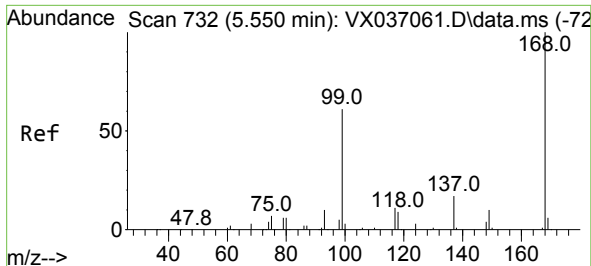
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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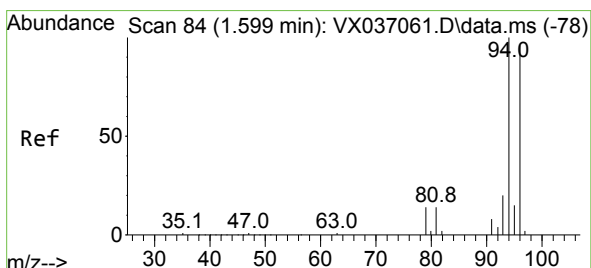
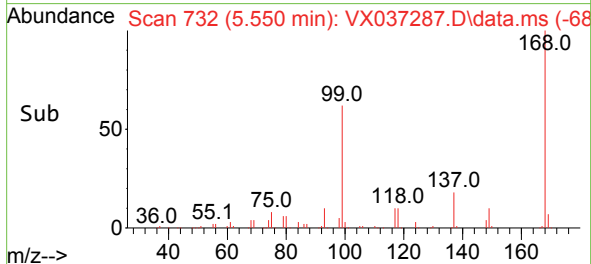
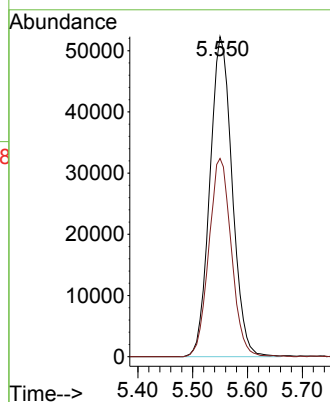
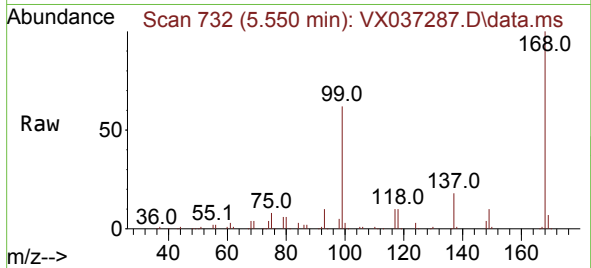




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

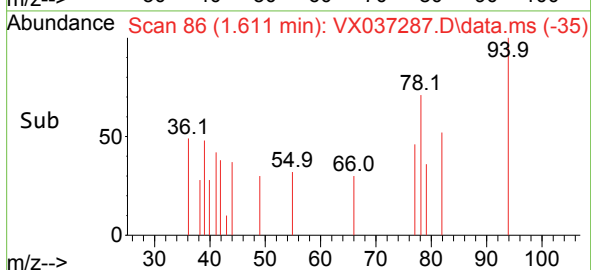
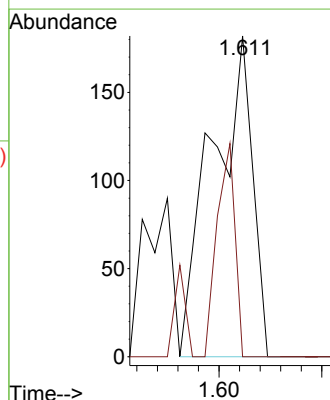
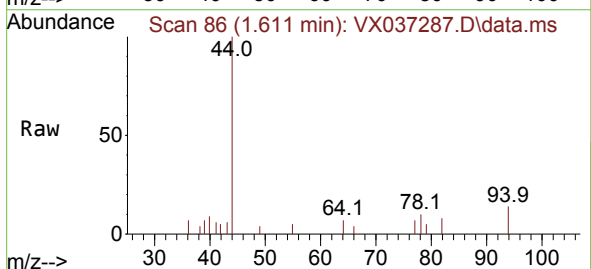
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

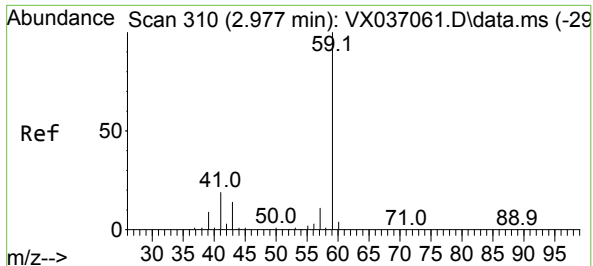
Tgt Ion:168 Resp: 147755
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#5
Bromomethane
Concen: 0.306 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

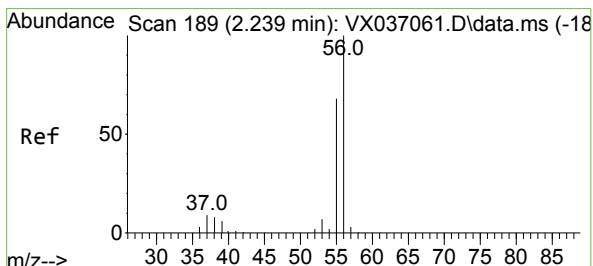
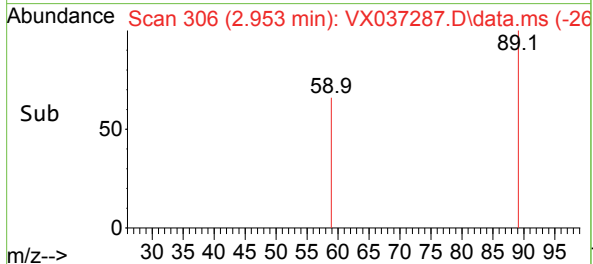
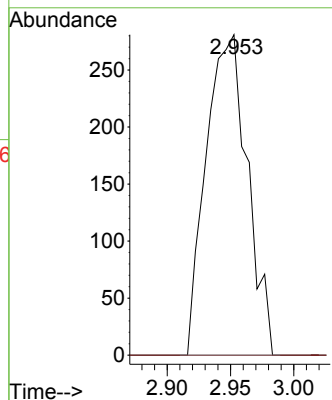
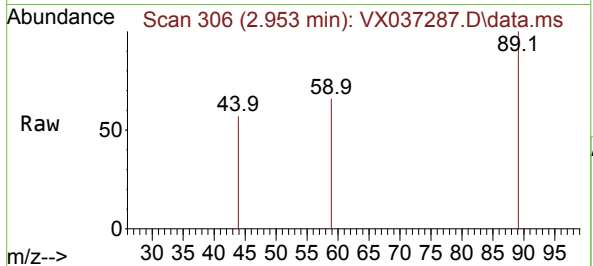




#11
Tert butyl alcohol
Concen: 1.277 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

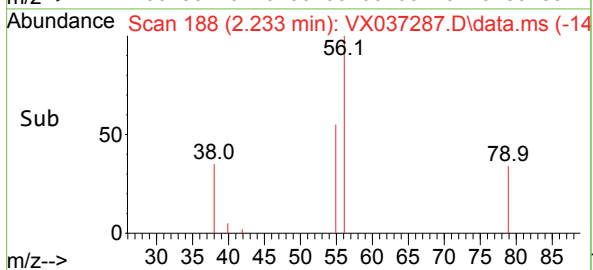
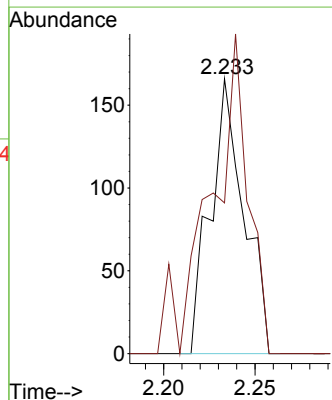
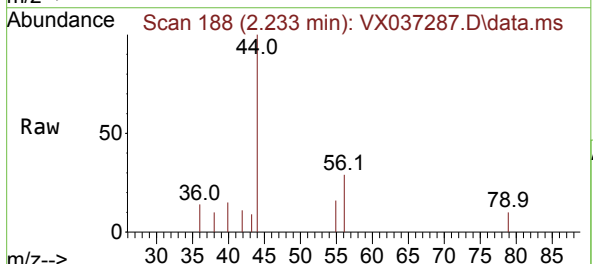
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

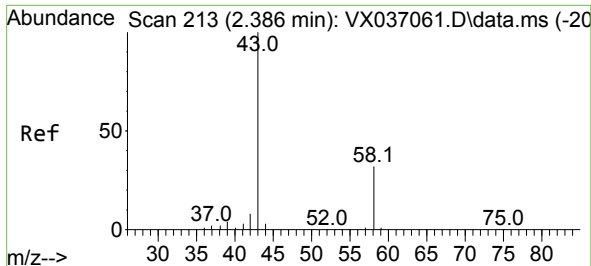
Tgt Ion: 59 Resp: 638
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.560 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 129.1 57.1 85.7#





#16

Acetone

Concen: 0.978 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX037287.D

Acq: 28 Aug 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

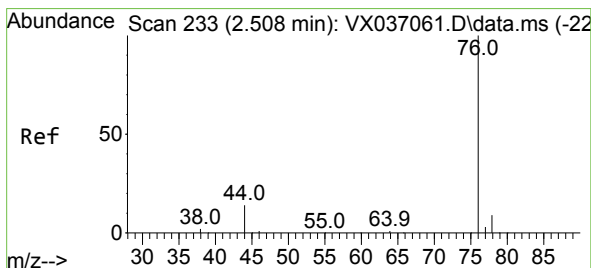
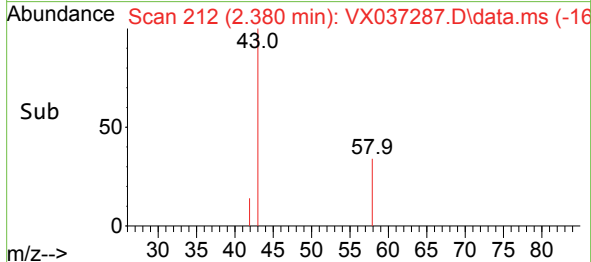
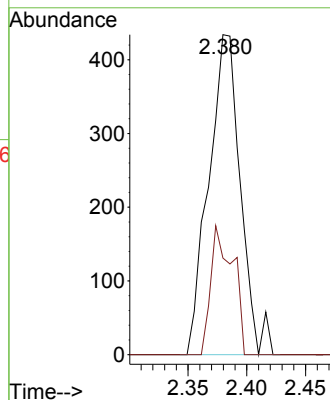
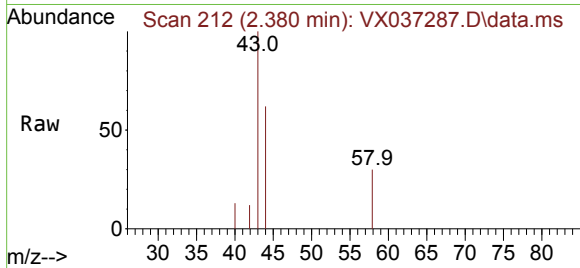
VX0828WBL01

Tgt Ion: 43 Resp: 815

Ion Ratio Lower Upper

43 100

58 30.2 21.9 32.9



#17

Carbon Disulfide

Concen: 0.216 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.000 min

Lab File: VX037287.D

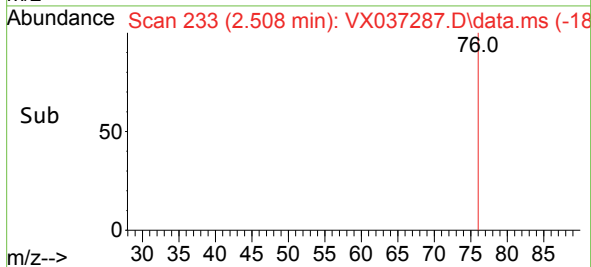
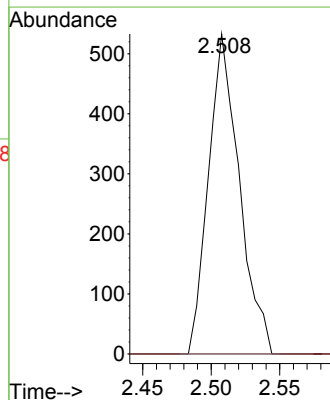
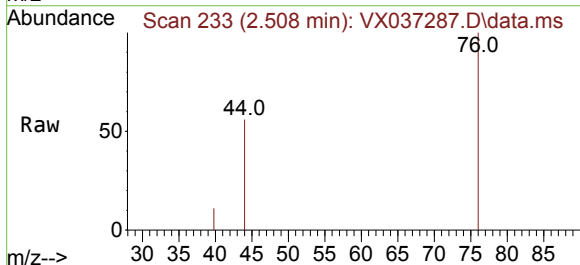
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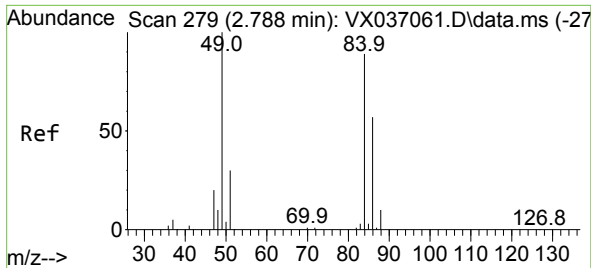
Tgt Ion: 76 Resp: 834

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

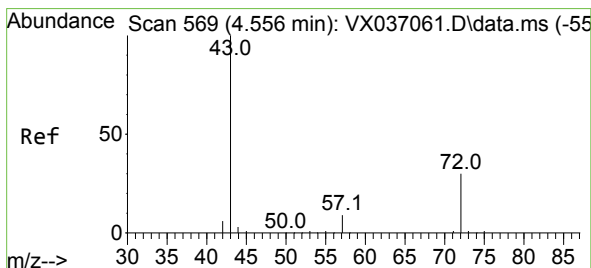
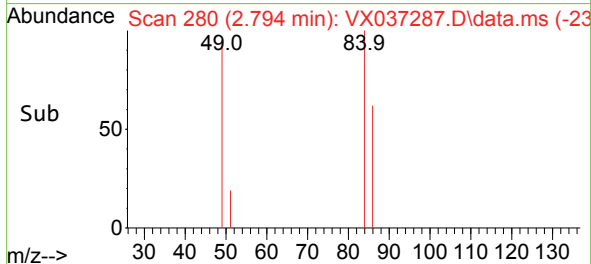
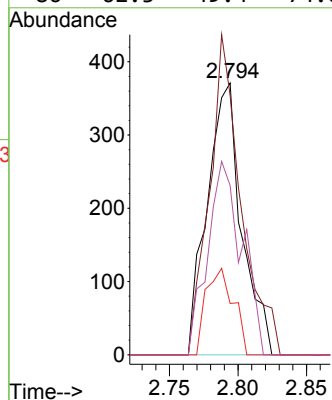
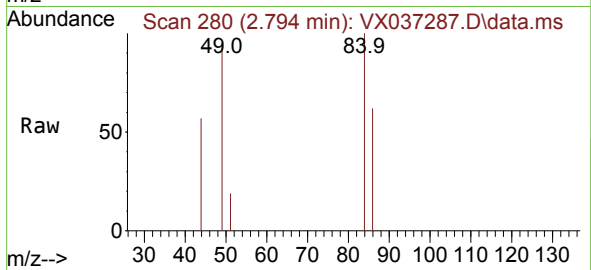




#20
Methylene Chloride
Concen: 0.348 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

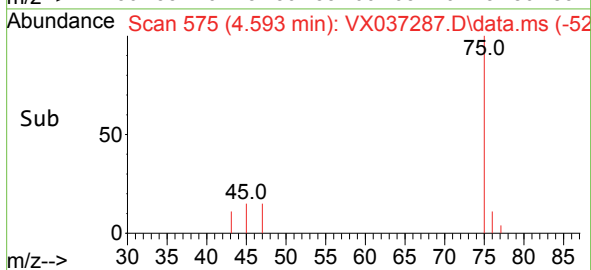
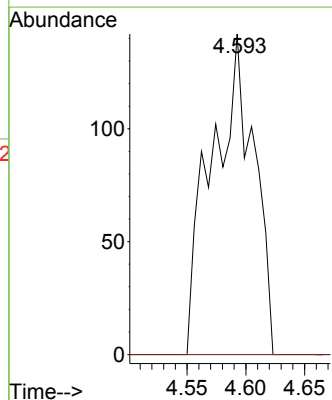
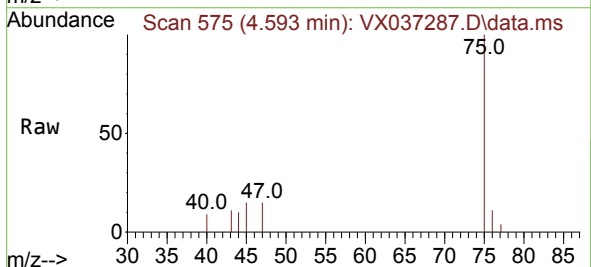
Instrument :
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ClientSampleId :
VX0828WBL01

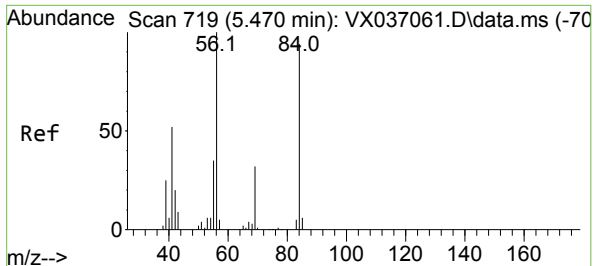
Tgt Ion: 84	Resp: 648
Ion Ratio	Lower Upper
84	100
49	95.4 103.6 155.4#
51	18.9 33.8 50.6#
86	62.3 49.4 74.0



#25
2-Butanone
Concen: 0.282 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

Tgt Ion: 43	Resp: 354
Ion Ratio	Lower Upper
43	100
72	0.0 19.4 29.2#

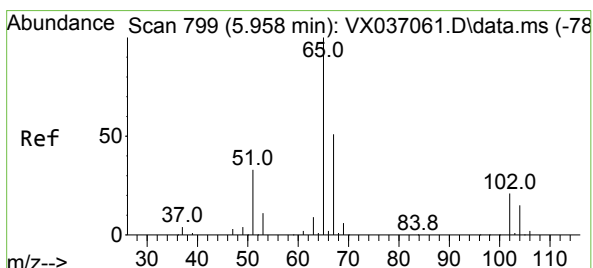
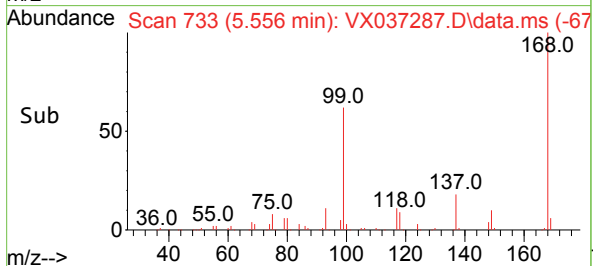
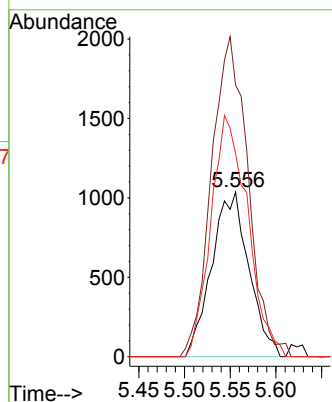
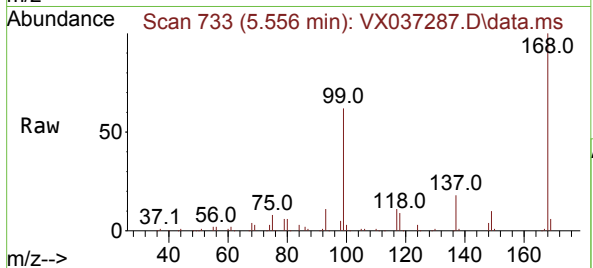




#31
Cyclohexane
Concen: 1.223 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

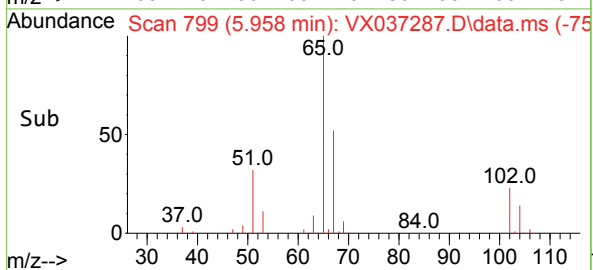
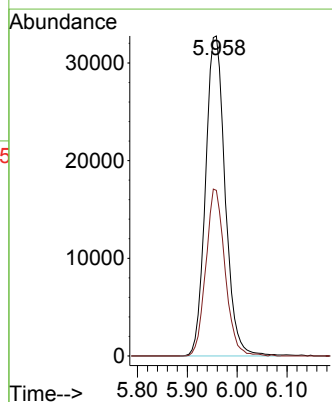
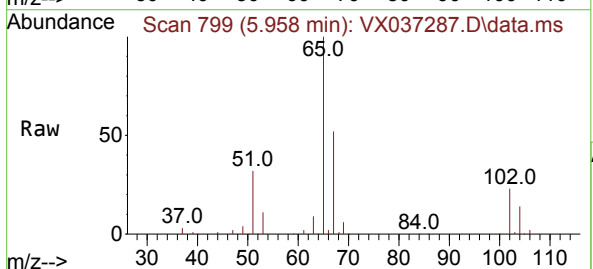
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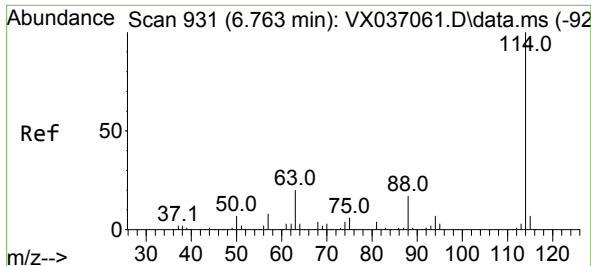
Tgt Ion: 56 Resp: 2930
Ion Ratio Lower Upper
56 100
69 165.2 23.4 35.2#
84 123.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 41.986 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

Tgt Ion: 65 Resp: 89436
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

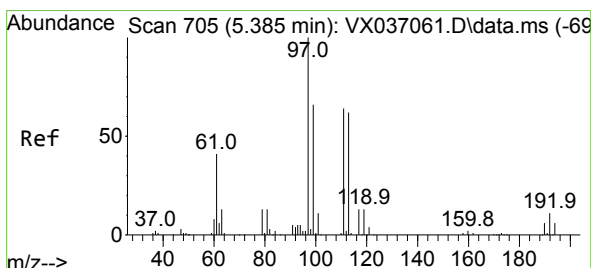
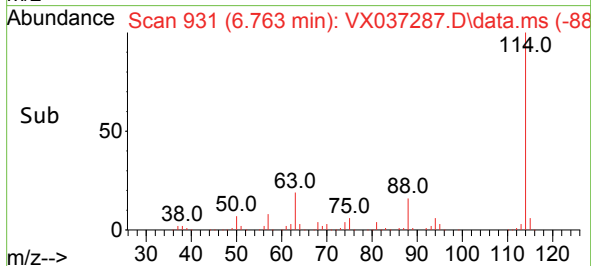
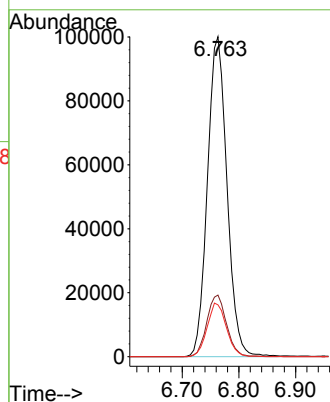
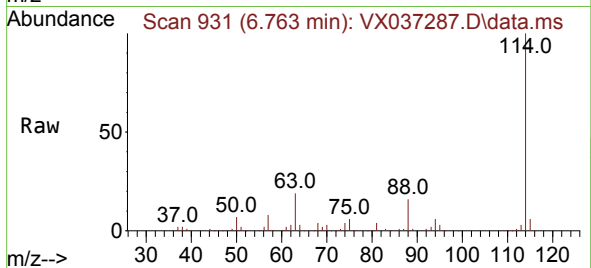




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

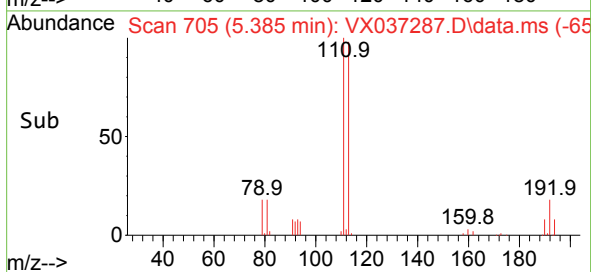
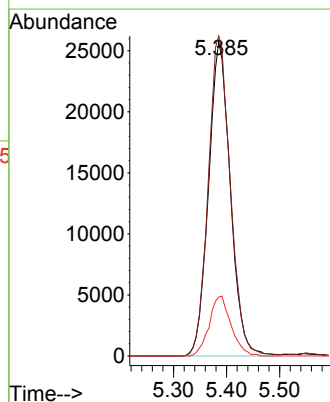
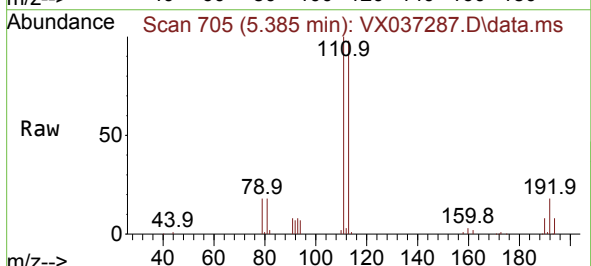
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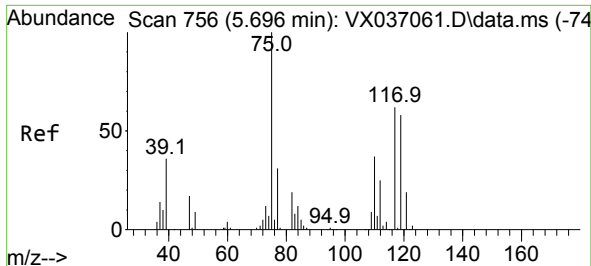
Tgt Ion:114 Resp: 239589
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.226 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

Tgt Ion:113 Resp: 73349
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 19.2 13.3 19.9

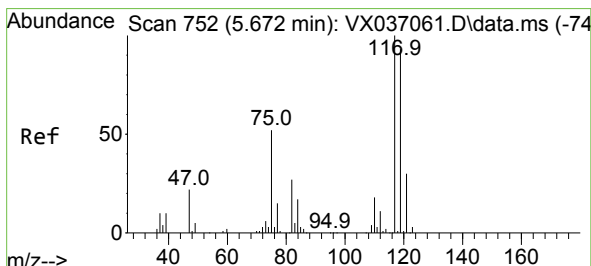
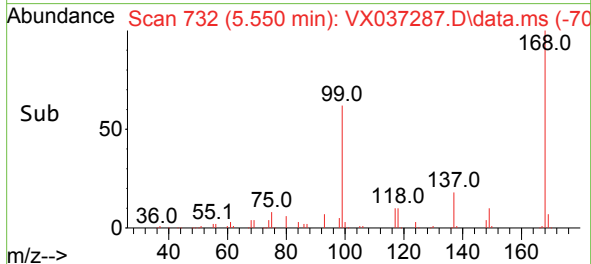
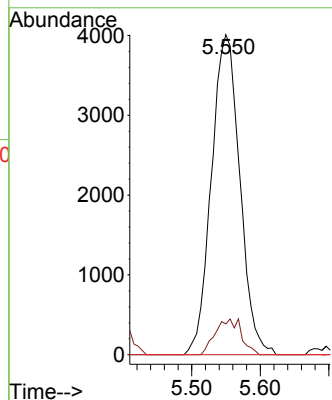
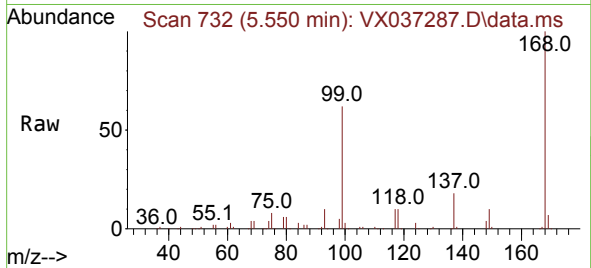




#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

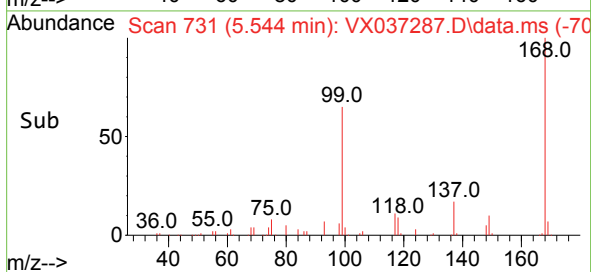
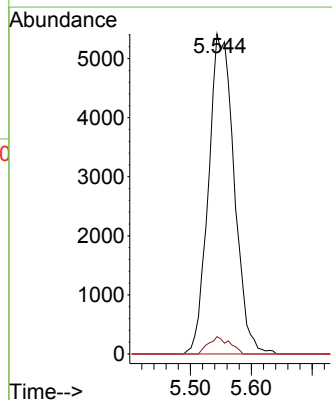
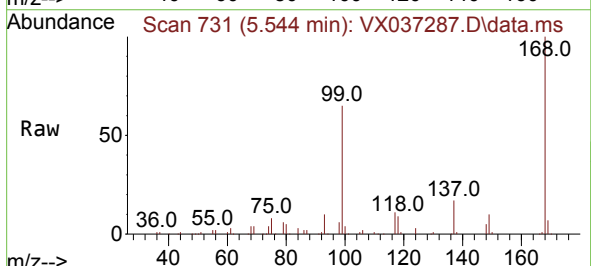
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

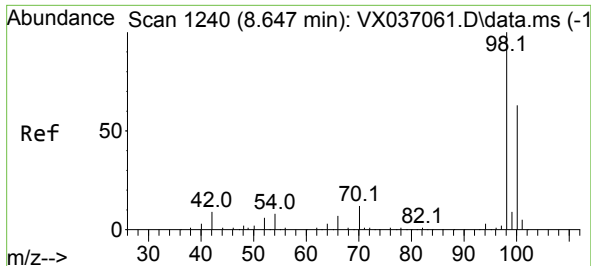
Tgt Ion: 75 Resp: 11551
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.471 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

Tgt Ion: 117 Resp: 15846
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#

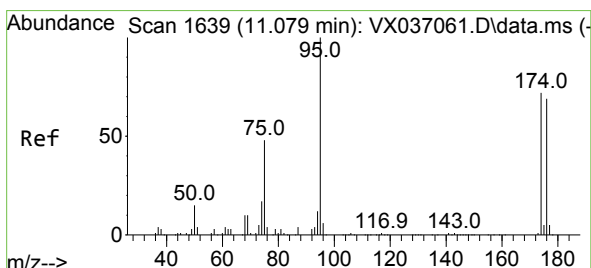
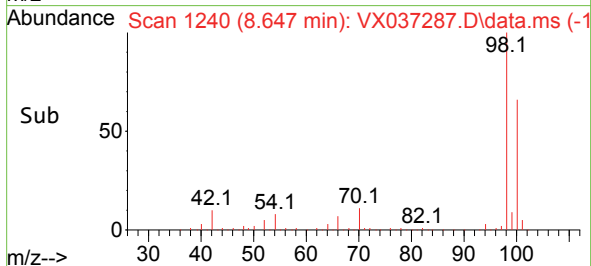
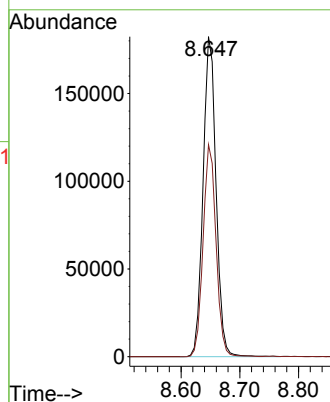
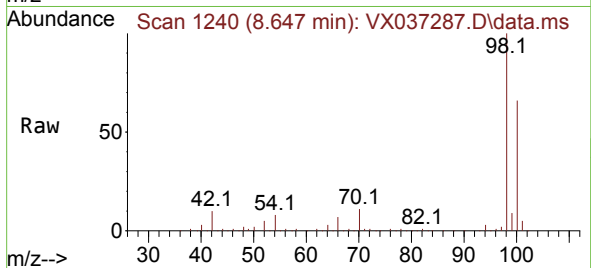




#50
Toluene-d8
Concen: 48.694 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

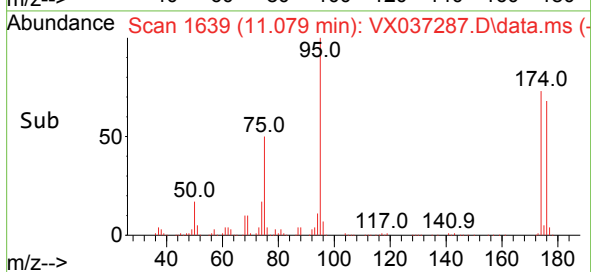
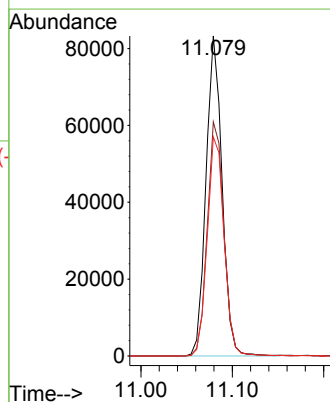
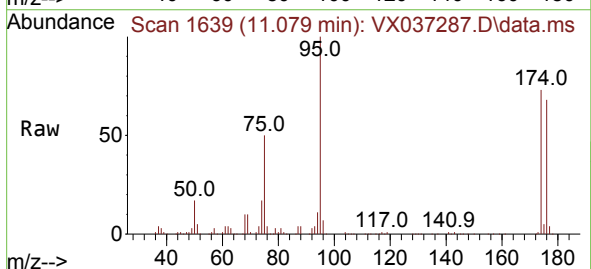
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

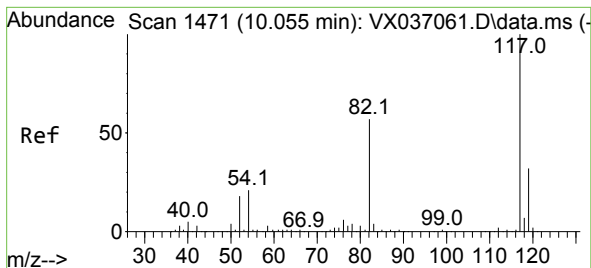
Tgt Ion: 98 Resp: 280267
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.873 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

Tgt Ion: 95 Resp: 101498
Ion Ratio Lower Upper
95 100
174 75.5 0.0 135.6
176 71.7 0.0 131.0

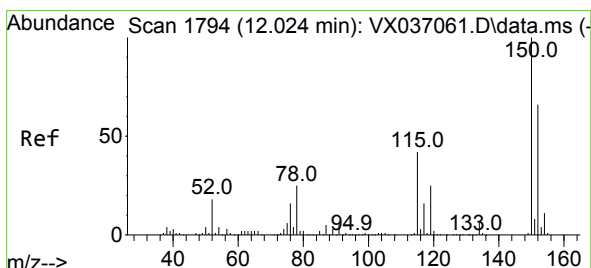
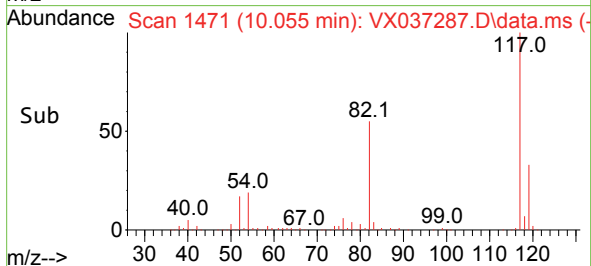
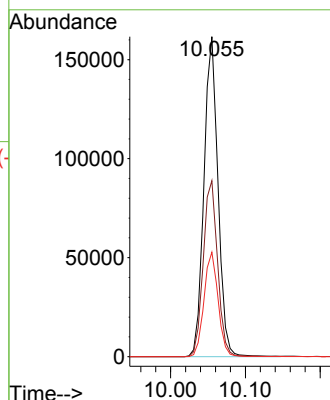
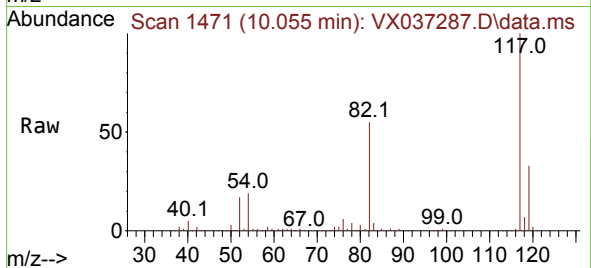




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

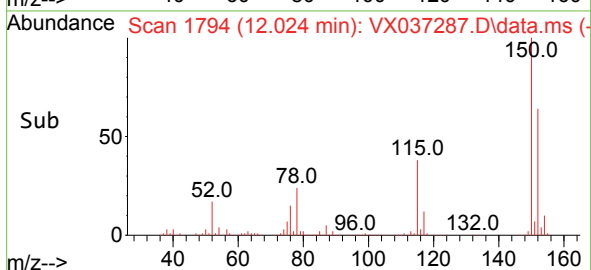
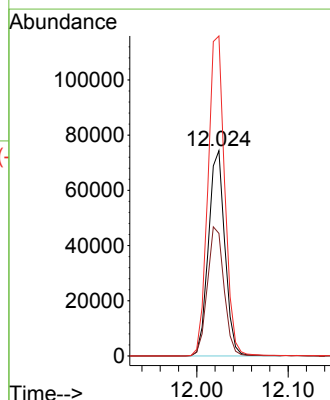
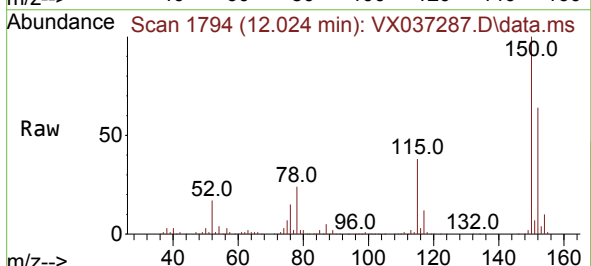
Instrument :
MSVOA_X
ClientSampleId :
VX0828WBL01

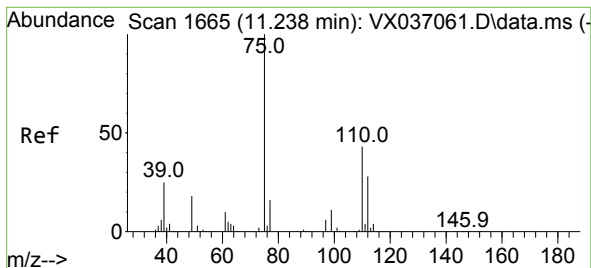
Tgt Ion:117 Resp: 210674
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037287.D
Acq: 28 Aug 2023 12:07

Tgt Ion:152 Resp: 92772
Ion Ratio Lower Upper
152 100
115 63.8 43.3 129.9
150 159.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.603 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037287.D

Acq: 28 Aug 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

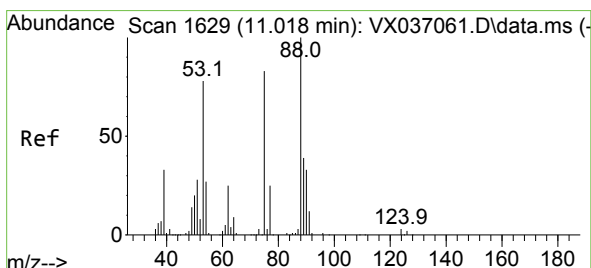
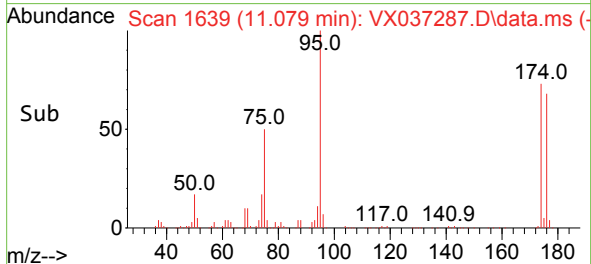
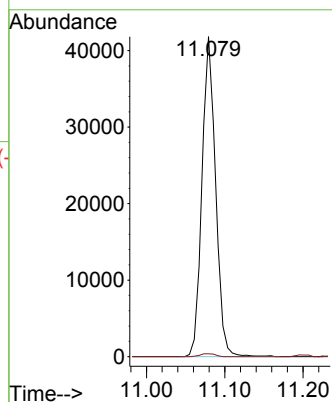
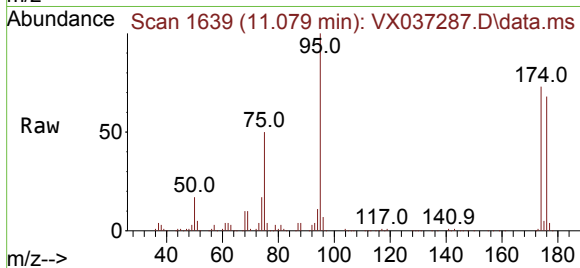
VX0828WBL01

Tgt Ion: 75 Resp: 50585

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.511 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037287.D

Acq: 28 Aug 2023 12:07

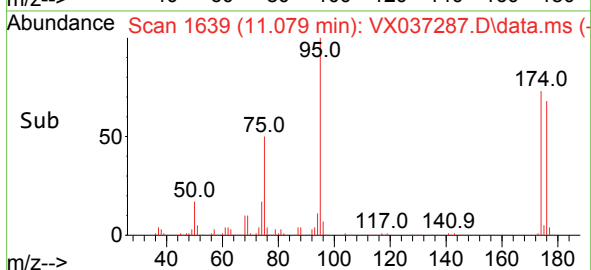
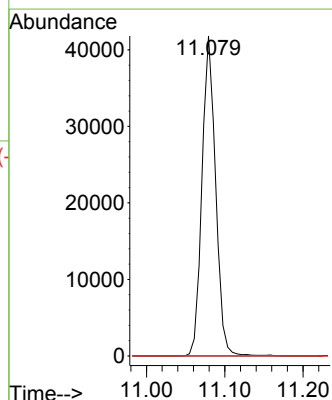
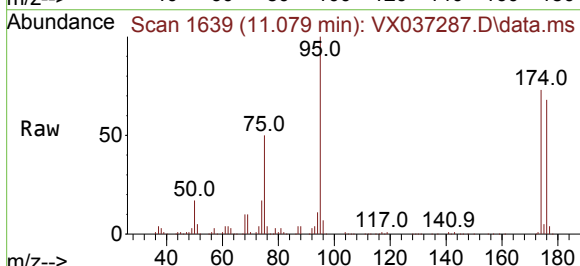
Tgt Ion: 75 Resp: 50585

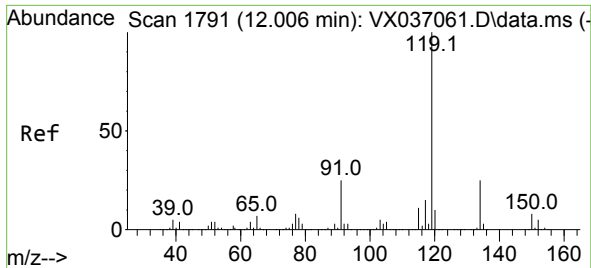
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

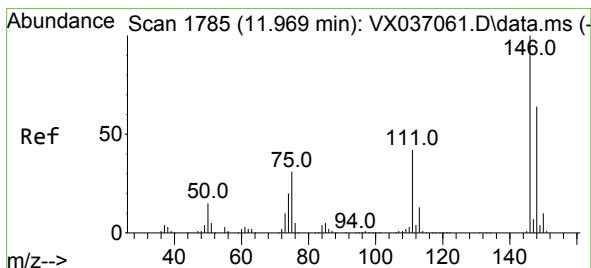
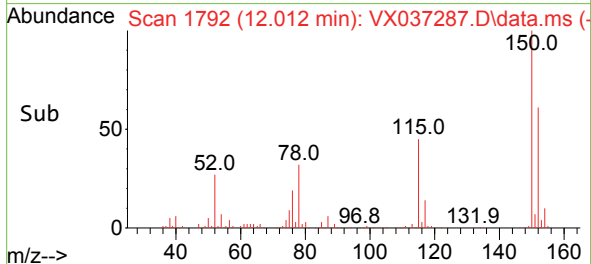
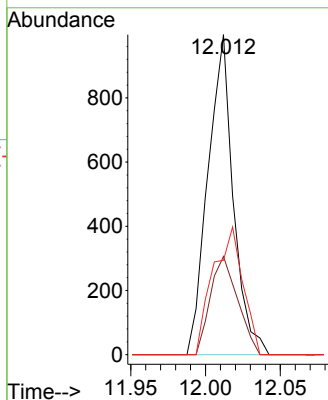
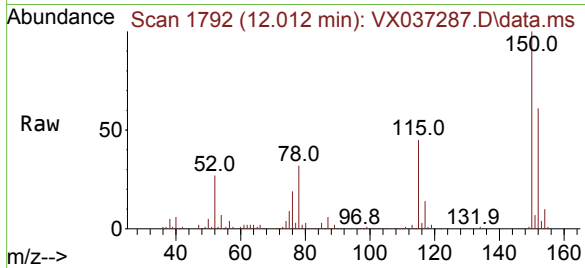




#86
 p-Isopropyltoluene
 Concen: 0.218 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX037287.D
 Acq: 28 Aug 2023 12:07

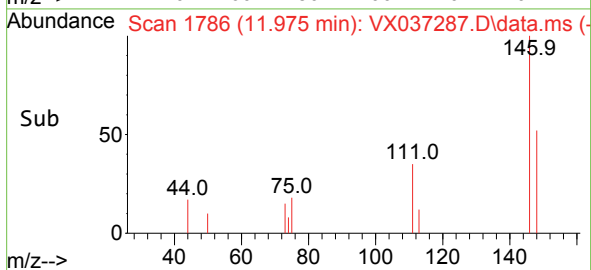
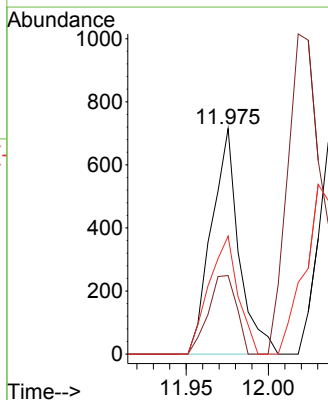
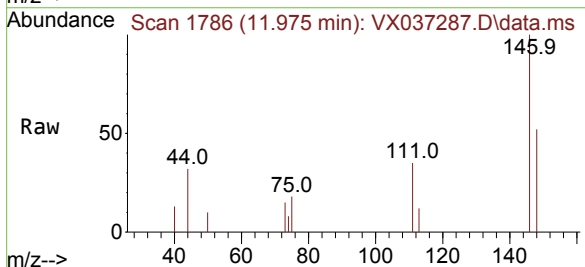
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0828WBL01

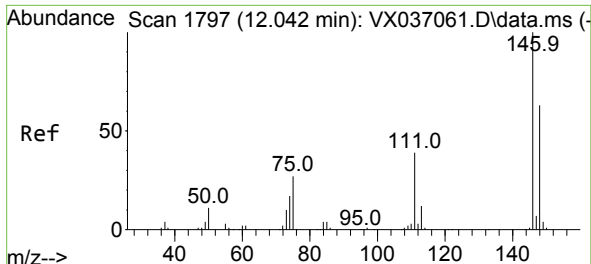
Tgt Ion:119 Resp: 1177
 Ion Ratio Lower Upper
 119 100
 134 33.0 12.8 38.3
 91 46.9 13.1 39.3#



#87
 1,3-Dichlorobenzene
 Concen: 0.270 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: VX037287.D
 Acq: 28 Aug 2023 12:07

Tgt Ion:146 Resp: 832
 Ion Ratio Lower Upper
 146 100
 111 35.7 22.1 66.1
 148 55.4 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.261 ug/l

RT: 11.975 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX037287.D

Acq: 28 Aug 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL01

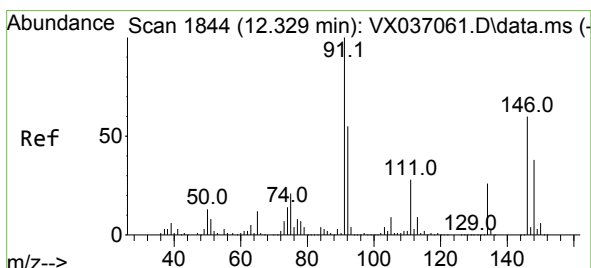
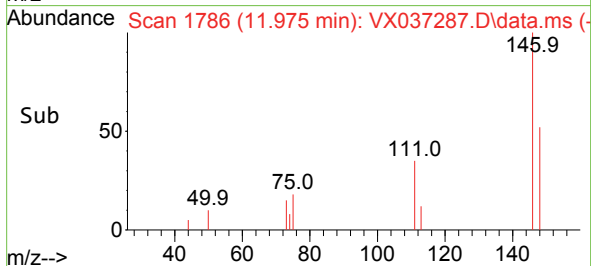
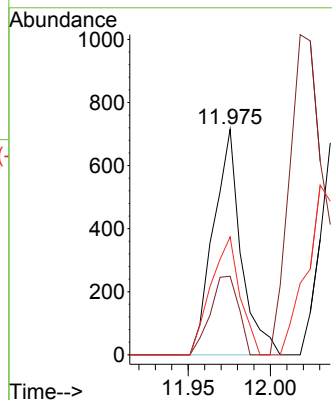
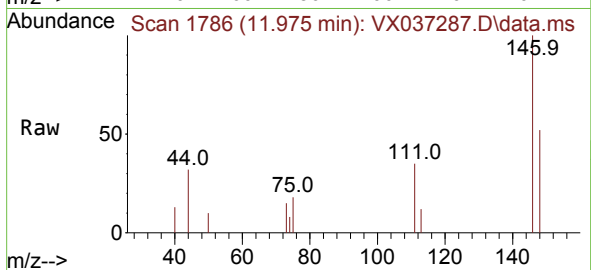
Tgt Ion:146 Resp: 832

Ion Ratio Lower Upper

146 100

111 35.7 21.3 63.7

148 55.4 31.8 95.4



#89

n-Butylbenzene

Concen: 0.263 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX037287.D

Acq: 28 Aug 2023 12:07

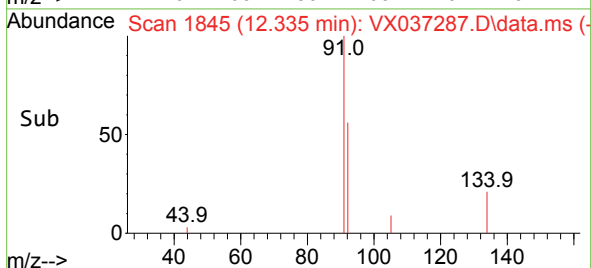
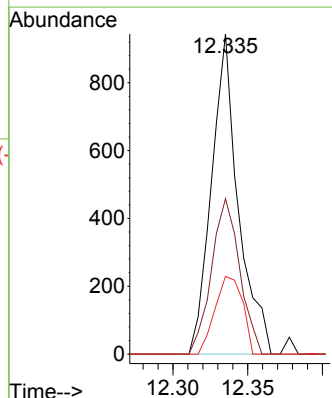
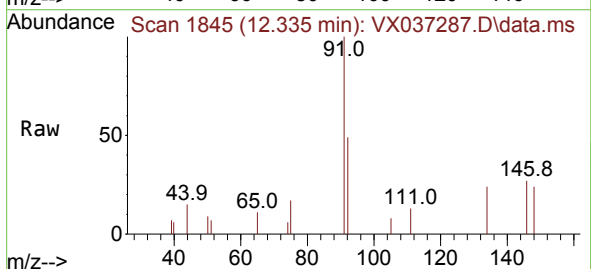
Tgt Ion: 91 Resp: 1174

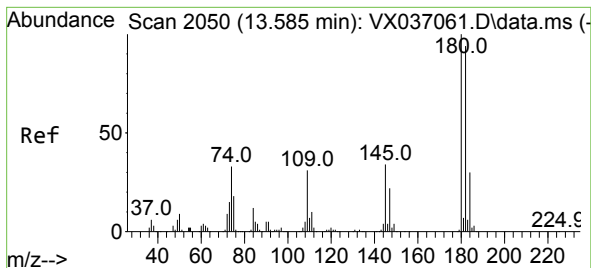
Ion Ratio Lower Upper

91 100

92 51.1 27.4 82.0

134 24.9 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.533 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037287.D

Acq: 28 Aug 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL01

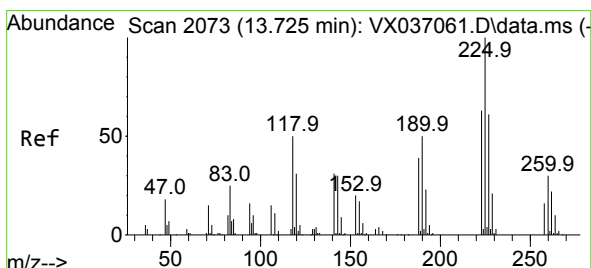
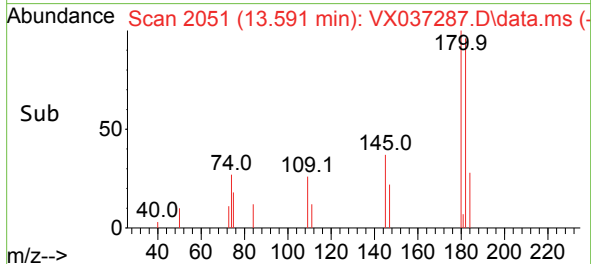
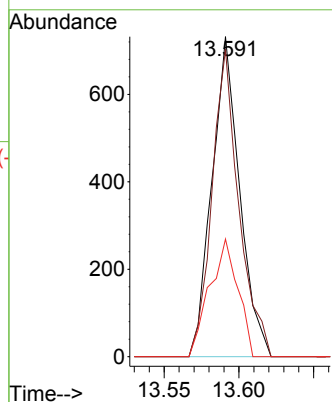
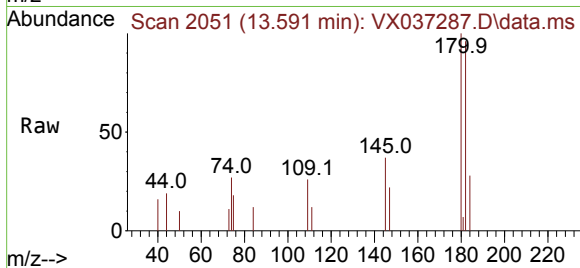
Tgt Ion:180 Resp: 941

Ion Ratio Lower Upper

180 100

182 93.2 48.3 144.8

145 37.4 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.554 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037287.D

Acq: 28 Aug 2023 12:07

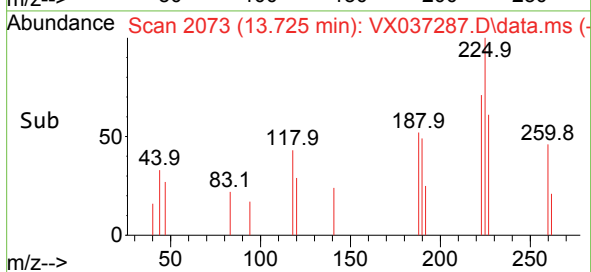
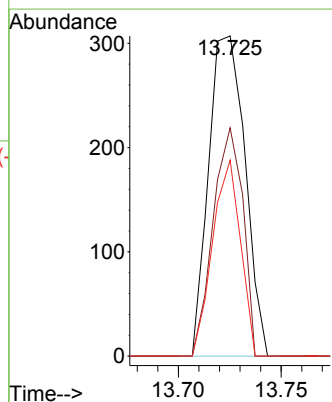
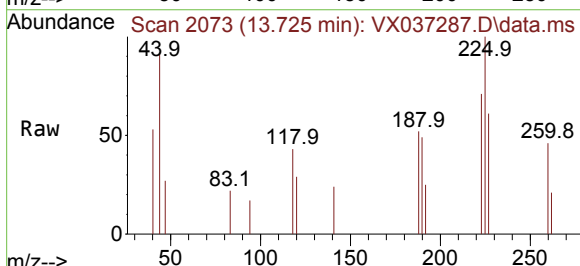
Tgt Ion:225 Resp: 378

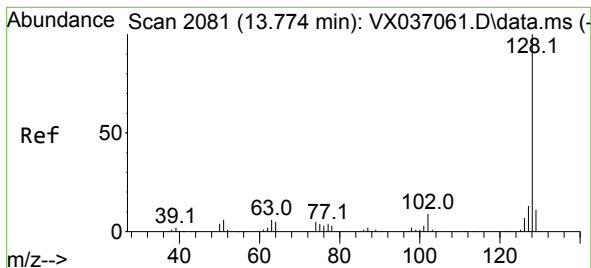
Ion Ratio Lower Upper

225 100

223 58.2 31.1 93.2

227 46.8 32.5 97.5





#95

Naphthalene

Concen: 0.217 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX037287.D

Acq: 28 Aug 2023 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0828WBL01

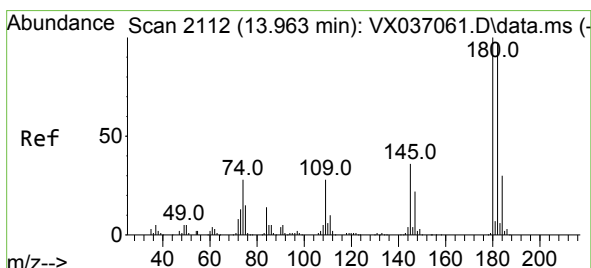
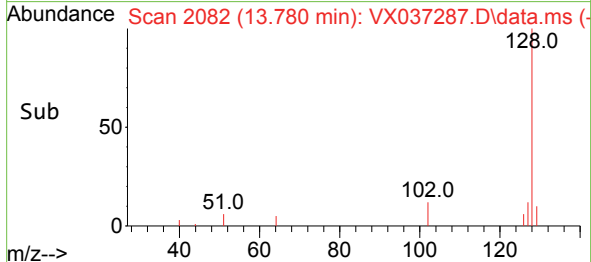
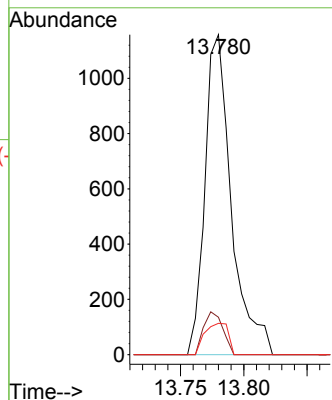
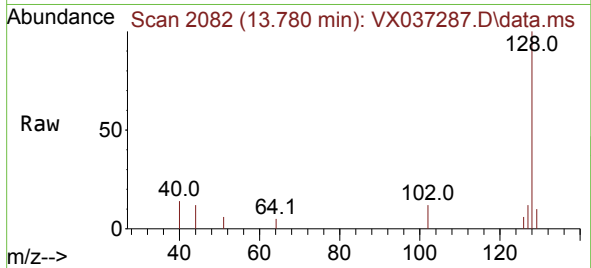
Tgt Ion:128 Resp: 1682

Ion Ratio Lower Upper

128 100

127 9.8 10.3 15.5#

129 8.7 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.524 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX037287.D

Acq: 28 Aug 2023 12:07

Tgt Ion:180 Resp: 920

Ion Ratio Lower Upper

180 100

182 88.8 46.9 140.6

145 39.0 17.8 53.5

