

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080923\
 Data File : VX036881.D
 Acq On : 09 Aug 2023 10:30
 Operator : JC/MD
 Sample : VX0809WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBL01

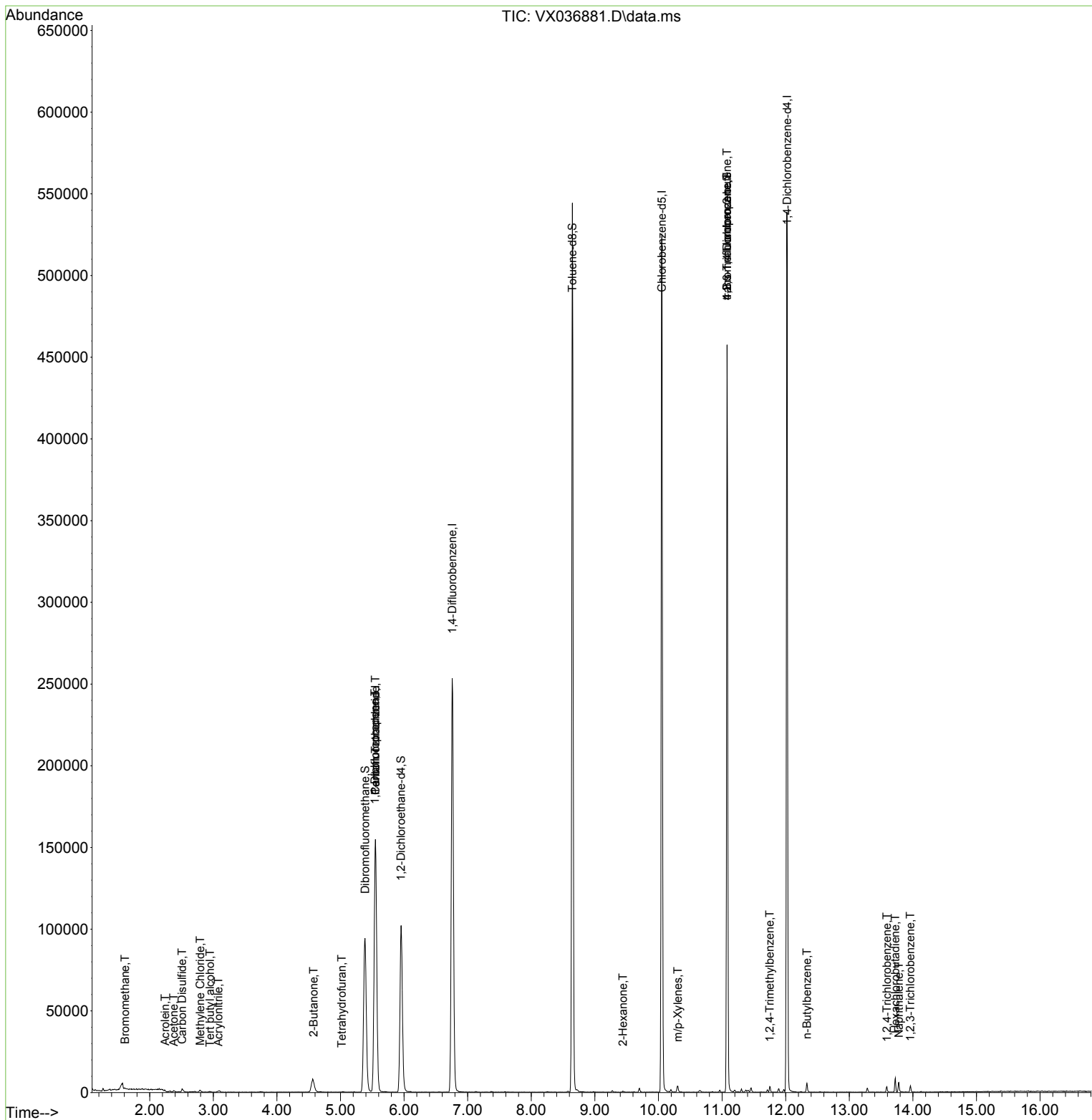
Quant Time: Aug 10 01:12:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

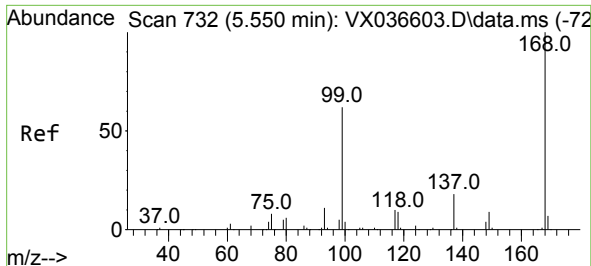
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	143167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	262910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99429	46.937	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.880%		
35) Dibromofluoromethane	5.385	113	83715	46.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.660%		
50) Toluene-d8	8.647	98	316498	49.388	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.780%		
62) 4-Bromofluorobenzene	11.079	95	120623	49.890	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.780%		
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	282	0.270	ug/l #	61
11) Tert butyl alcohol	2.947	59	424	0.845	ug/l #	78
13) Acrolein	2.239	56	395	1.380	ug/l #	40
15) Acrylonitrile	3.081	53	402	0.399	ug/l #	88
16) Acetone	2.380	43	854	0.972	ug/l #	85
17) Carbon Disulfide	2.508	76	2282	0.516	ug/l #	88
20) Methylene Chloride	2.794	84	680	0.348	ug/l #	85
25) 2-Butanone	4.574	43	808	0.567	ug/l #	51
29) Tetrahydrofuran	5.019	42	303	0.330	ug/l #	39
36) 1,1-Dichloropropene	5.544	75	11624	4.316	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15146	5.289	ug/l #	15
59) 2-Hexanone	9.439	43	518	0.240	ug/l	74
68) m/p-Xylenes	10.305	106	987	0.267	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	62954	23.972	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62954	54.333	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1803	0.233	ug/l	95
89) n-Butylbenzene	12.335	91	2072	0.297	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	967	0.417	ug/l	90
94) Hexachlorobutadiene	13.725	225	1205	1.257	ug/l	94
95) Naphthalene	13.780	128	4431	0.549	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1148	0.503	ug/l	96

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

Quant Time: Aug 10 01:12:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

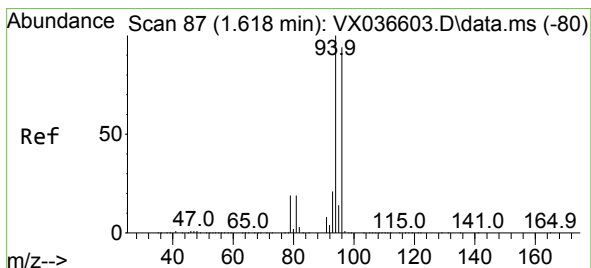
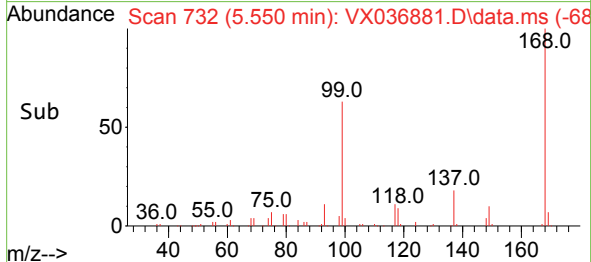
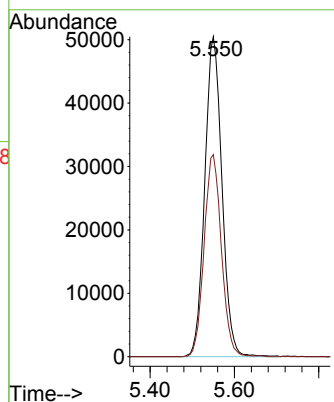
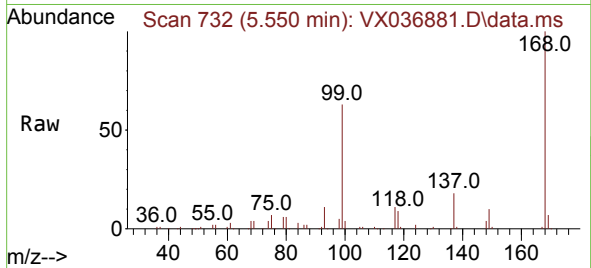




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

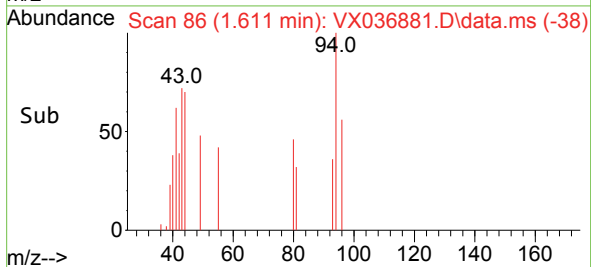
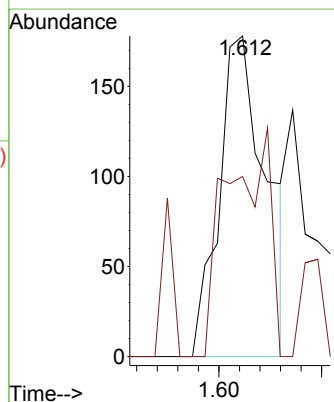
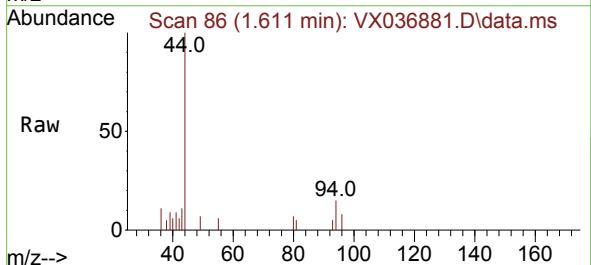
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

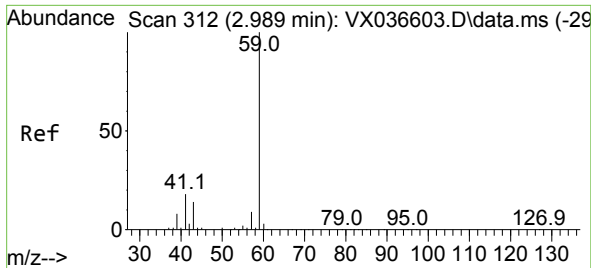
Tgt Ion:168 Resp: 143167
Ion Ratio Lower Upper
168 100
99 63.1 56.6 85.0



#5
Bromomethane
Concen: 0.270 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 56.2 74.6 111.8#





#11

Tert butyl alcohol

Concen: 0.845 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.043 min

Lab File: VX036881.D

Acq: 09 Aug 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

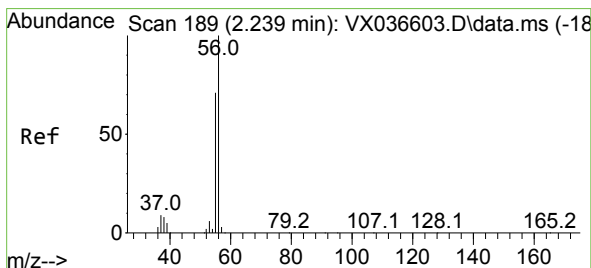
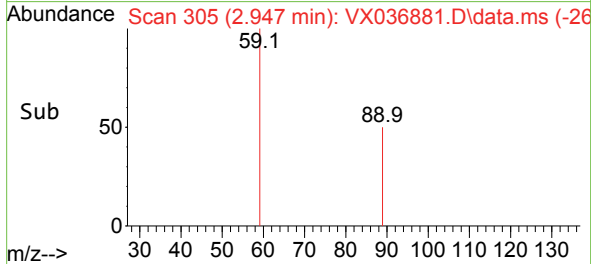
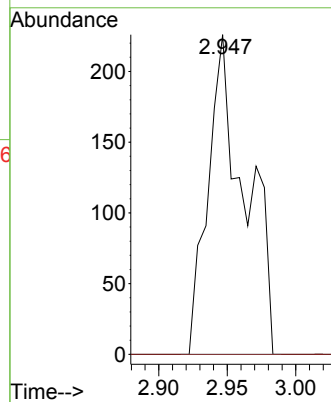
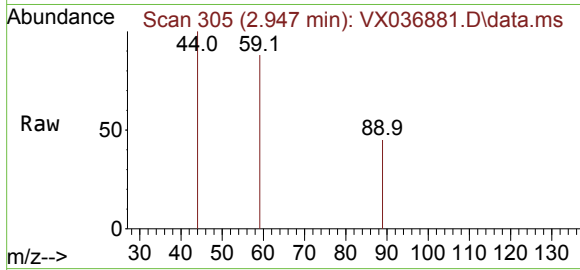
VX0809WBL01

Tgt Ion: 59 Resp: 424

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 1.380 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX036881.D

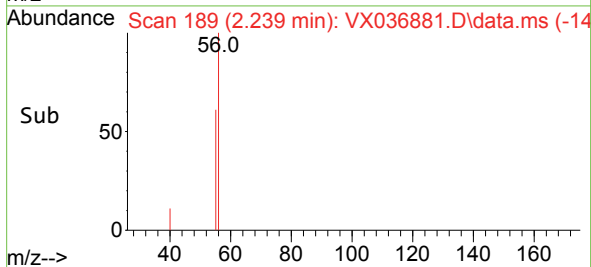
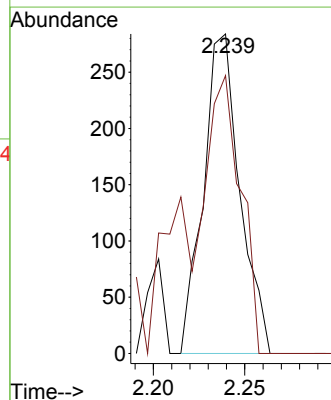
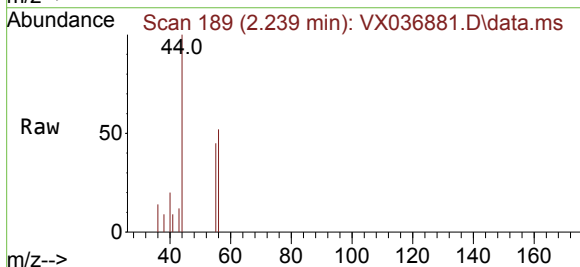
Acq: 09 Aug 2023 10:30

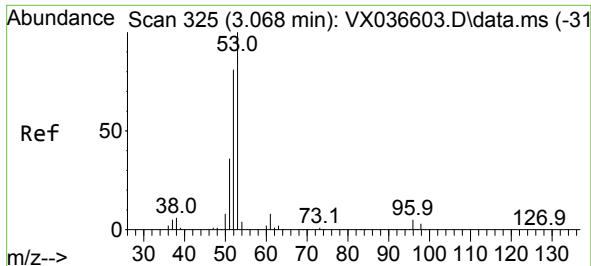
Tgt Ion: 56 Resp: 395

Ion Ratio Lower Upper

56 100

55 121.3 57.1 85.7#

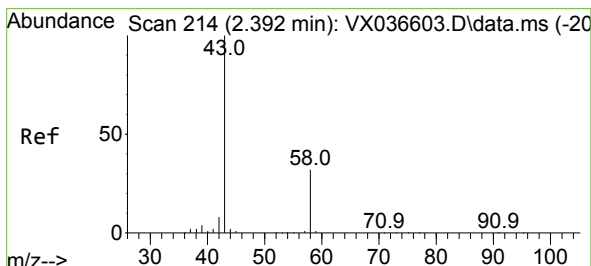
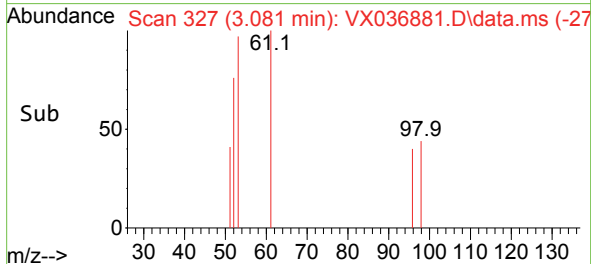
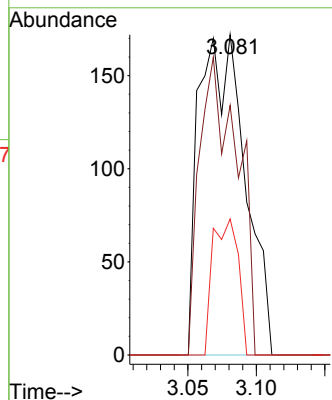
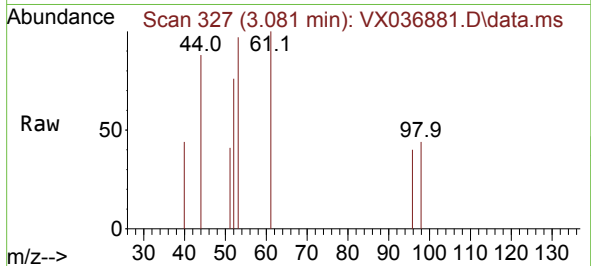




#15
Acrylonitrile
Concen: 0.399 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

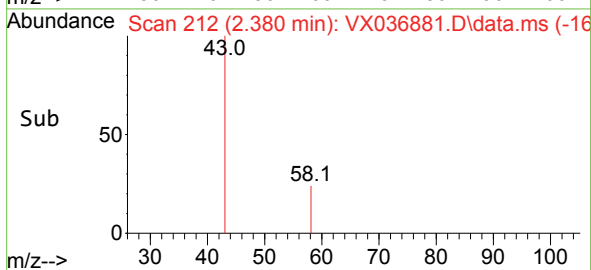
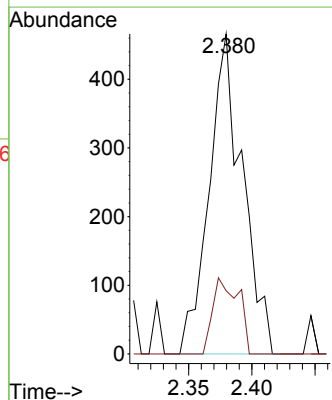
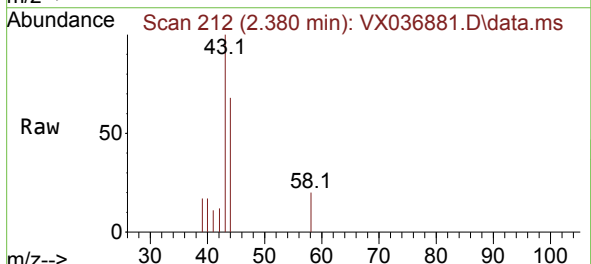
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

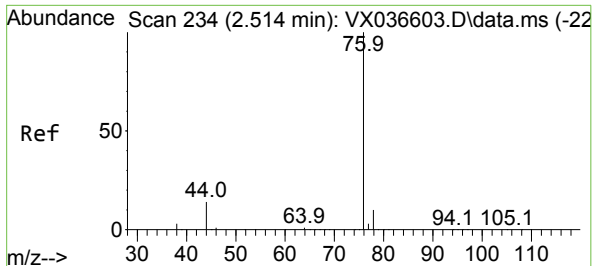
Tgt Ion: 53 Resp: 402
Ion Ratio Lower Upper
53 100
52 76.6 66.0 99.0
51 23.4 29.8 44.6#



#16
Acetone
Concen: 0.972 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 19.7 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.516 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX036881.D

Acq: 09 Aug 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

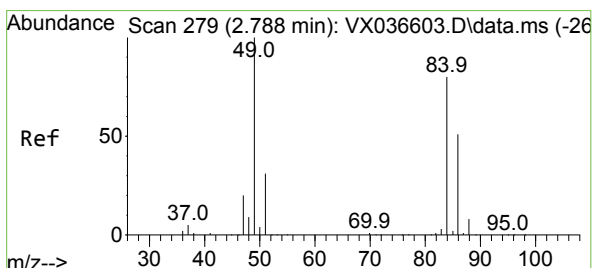
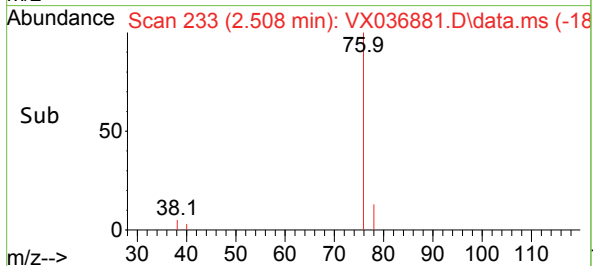
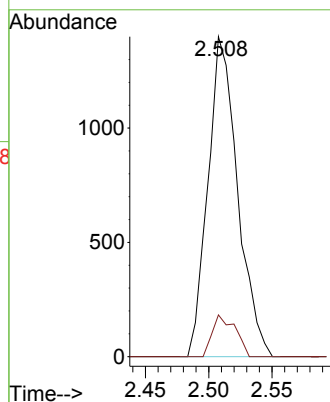
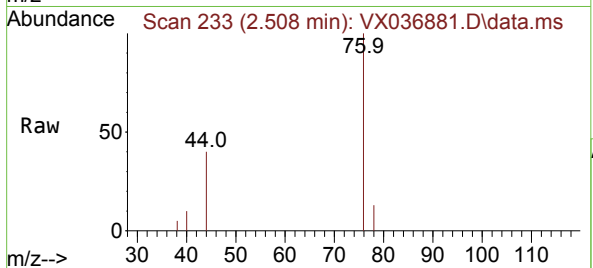
VX0809WBL01

Tgt Ion: 76 Resp: 2282

Ion Ratio Lower Upper

76 100

78 13.1 7.0 10.6#



#20

Methylene Chloride

Concen: 0.348 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX036881.D

Acq: 09 Aug 2023 10:30

Tgt Ion: 84 Resp: 680

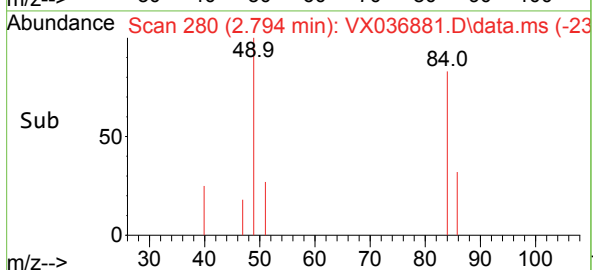
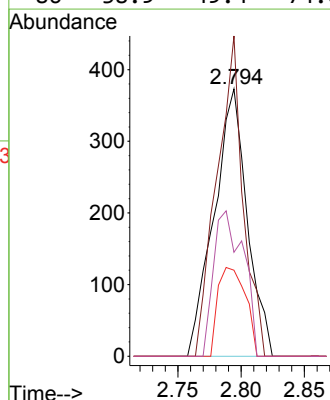
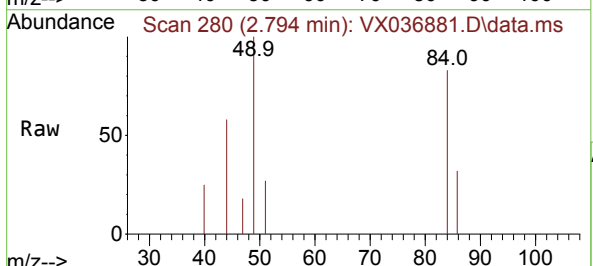
Ion Ratio Lower Upper

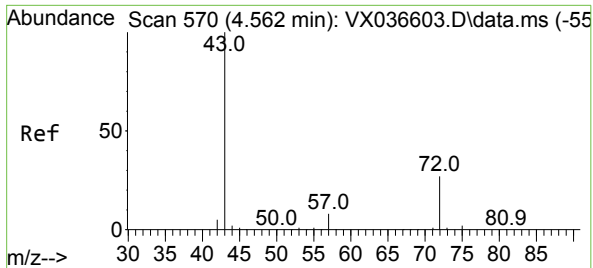
84 100

49 119.8 103.6 155.4

51 32.2 33.8 50.6#

86 38.9 49.4 74.0#





#25

2-Butanone

Concen: 0.567 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX036881.D

Acq: 09 Aug 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

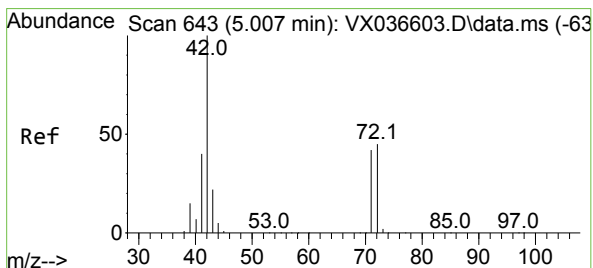
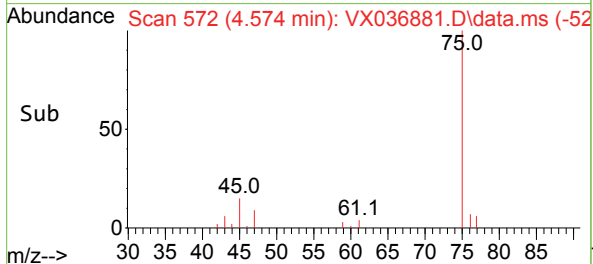
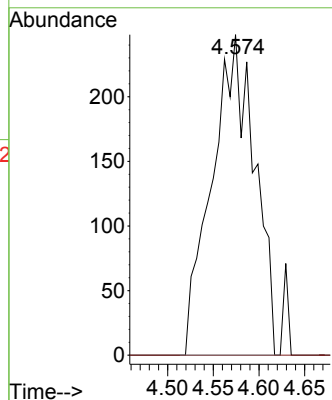
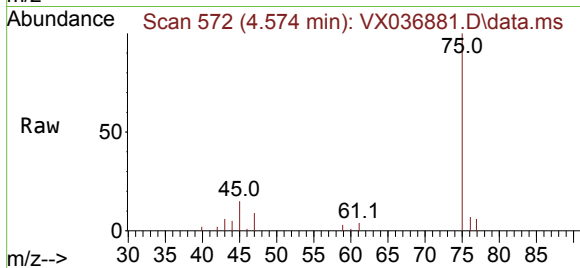
VX0809WBL01

Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX036881.D

Acq: 09 Aug 2023 10:30

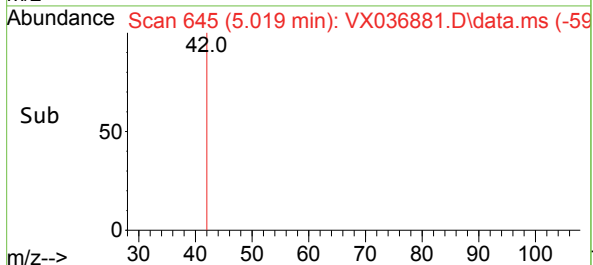
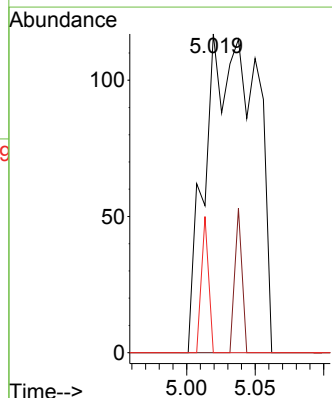
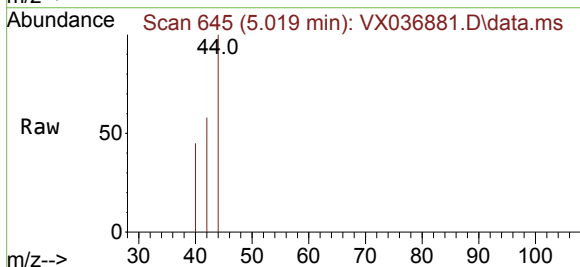
Tgt Ion: 42 Resp: 303

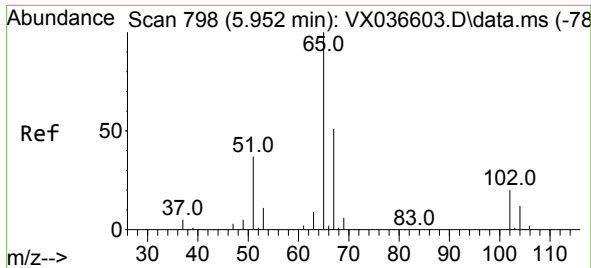
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 5.9 32.2 48.2#

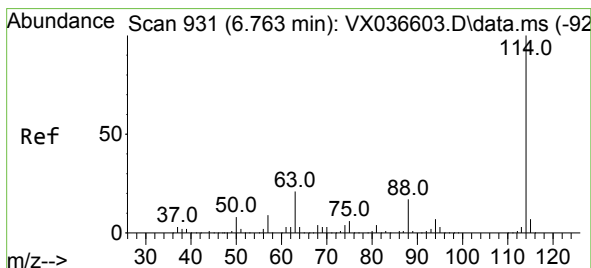
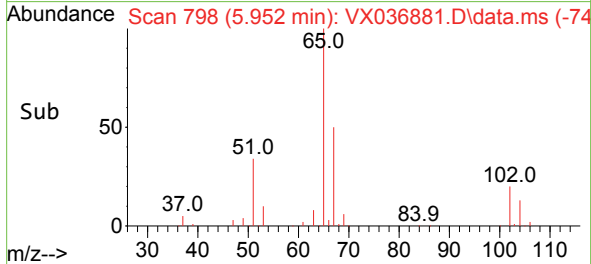
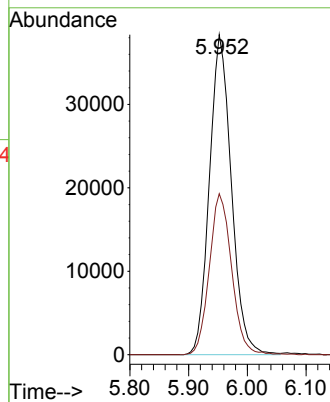
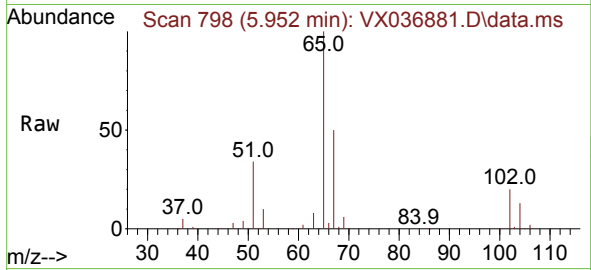




#33
 1,2-Dichloroethane-d4
 Concen: 46.937 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX036881.D
 Acq: 09 Aug 2023 10:30

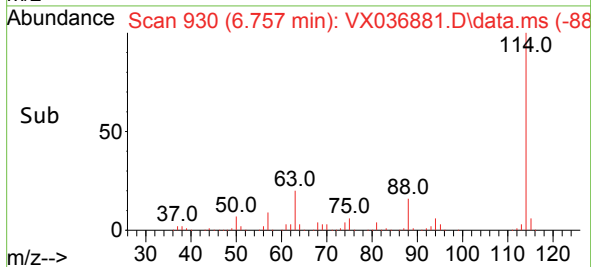
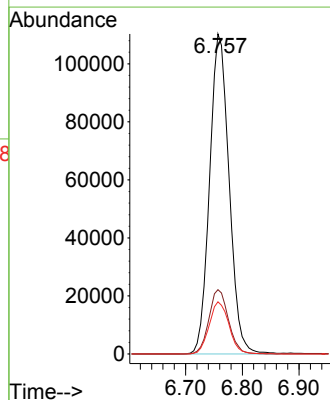
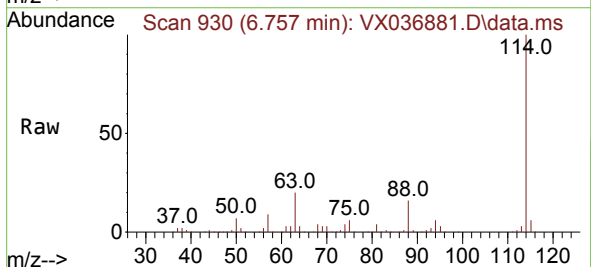
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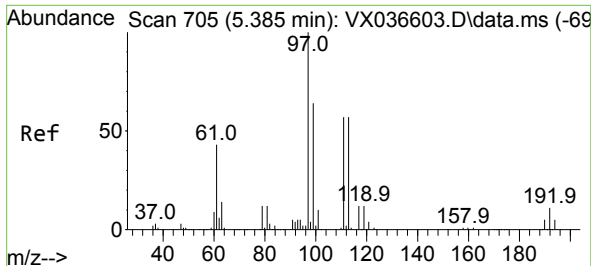
Tgt Ion: 65 Resp: 99429
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX036881.D
 Acq: 09 Aug 2023 10:30

Tgt Ion: 114 Resp: 262910
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 45.0
 88 16.3 0.0 36.6

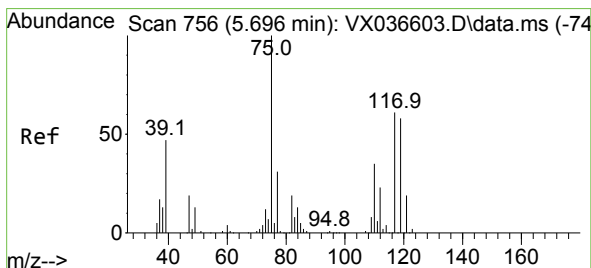
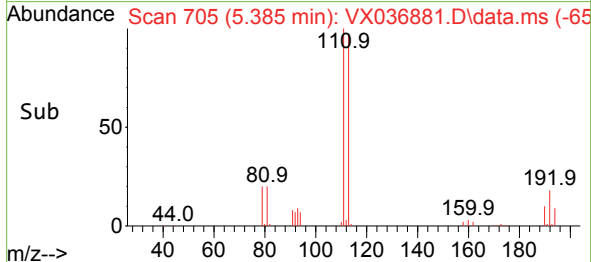
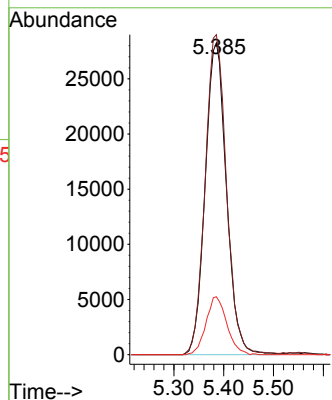
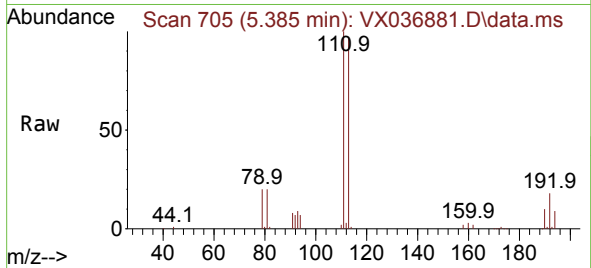




#35
Dibromofluoromethane
Concen: 46.326 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

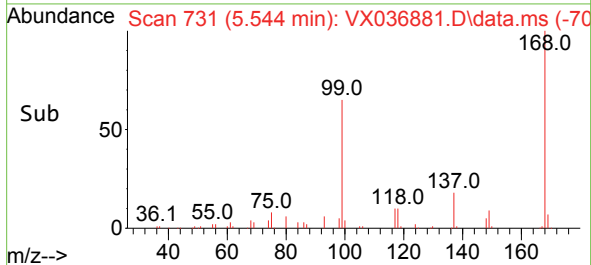
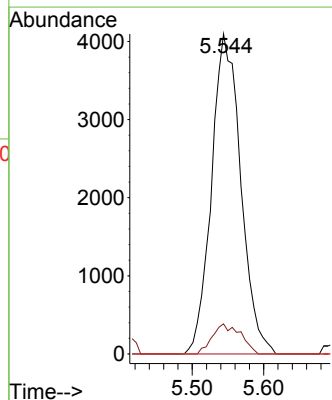
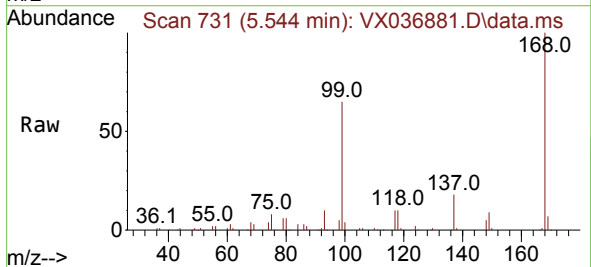
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

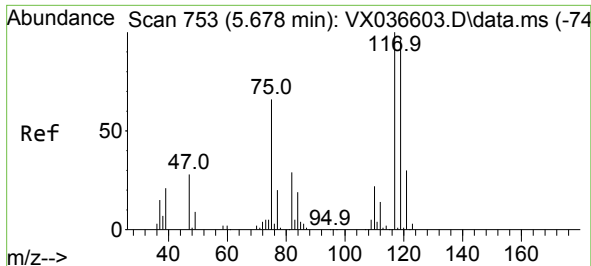
Tgt Ion:113 Resp: 83715
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.316 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

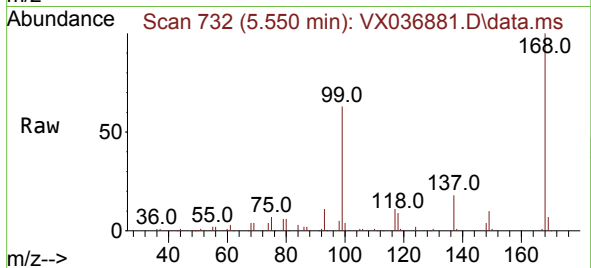
Tgt Ion: 75 Resp: 11624
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



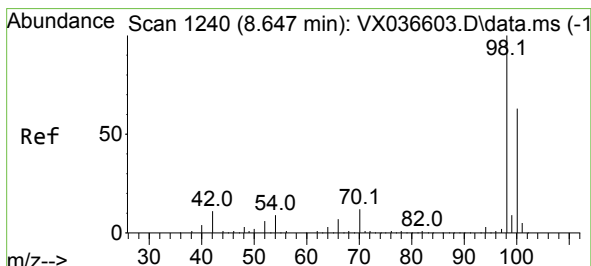
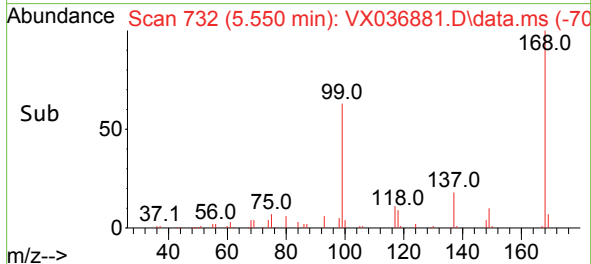
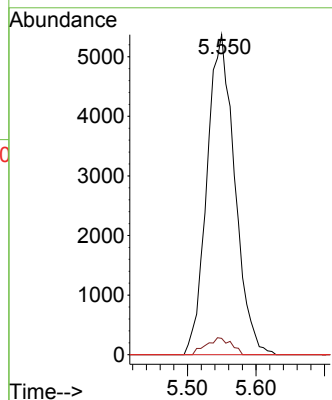


#38
Carbon Tetrachloride
Concen: 5.289 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

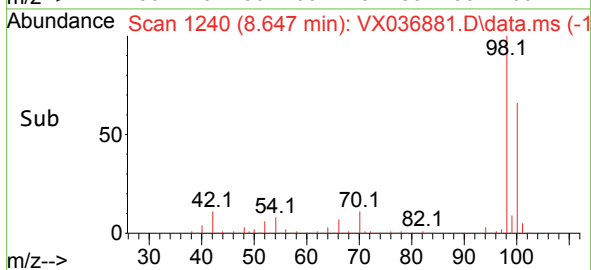
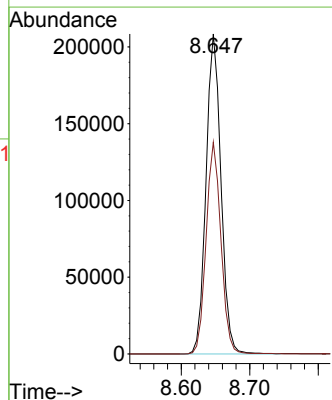
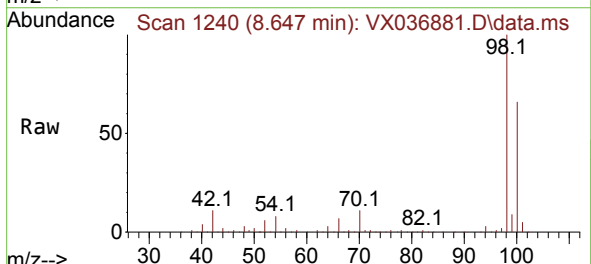


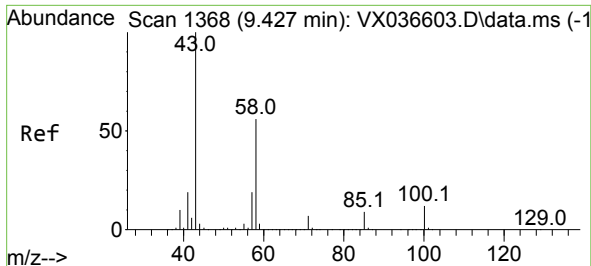
Tgt Ion:117 Resp: 15146
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.388 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

Tgt Ion: 98 Resp: 316498
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7

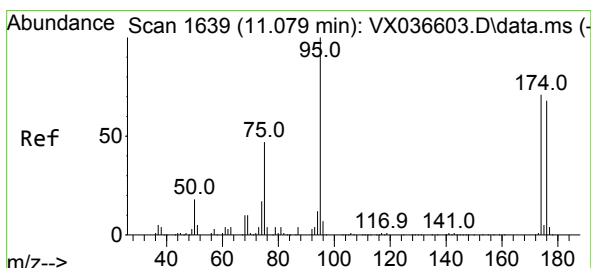
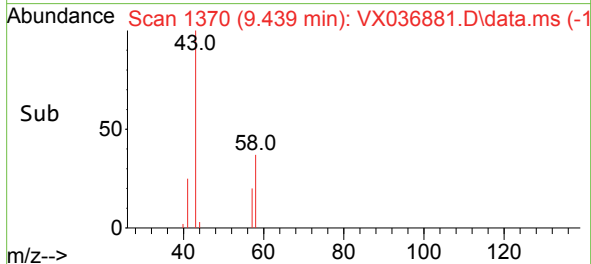
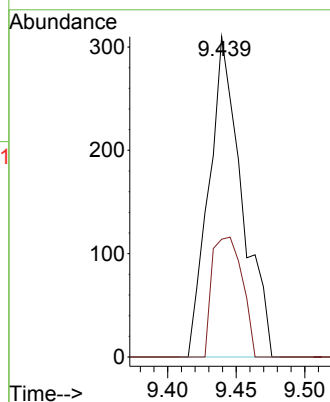
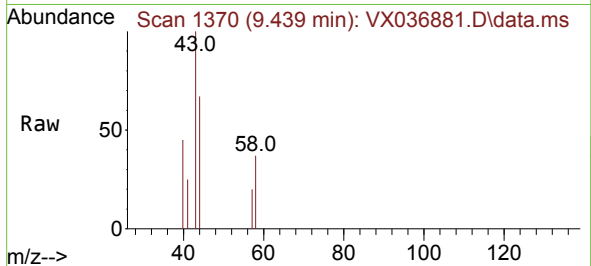




#59
2-Hexanone
Concen: 0.240 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

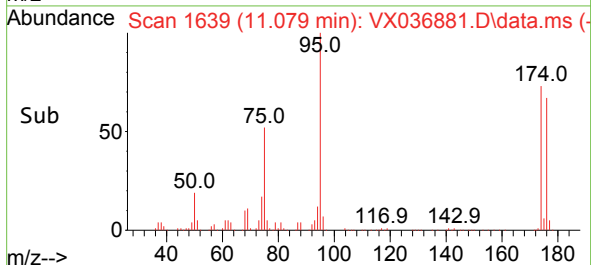
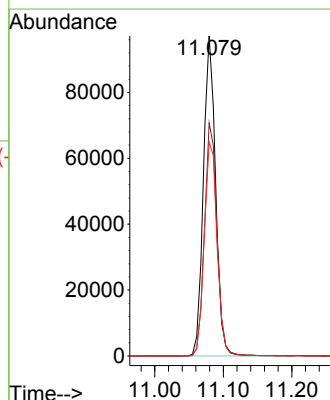
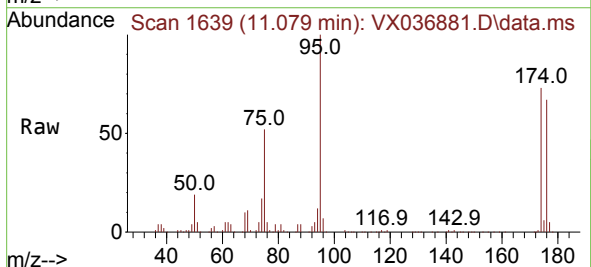
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

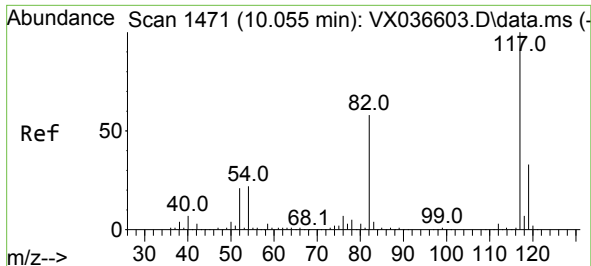
Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
58 34.2 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 49.890 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

Tgt Ion: 95 Resp: 120623
Ion Ratio Lower Upper
95 100
174 74.2 0.0 135.6
176 70.3 0.0 131.0

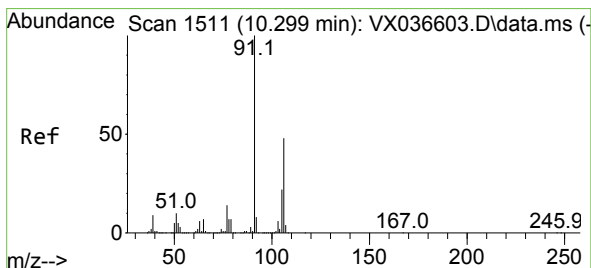
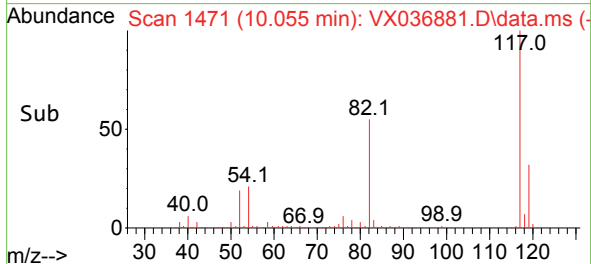
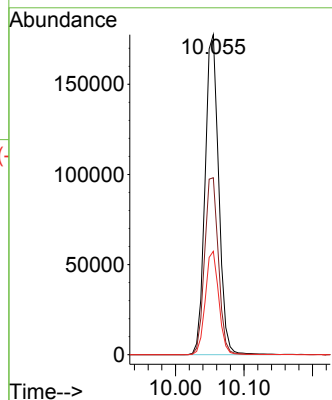
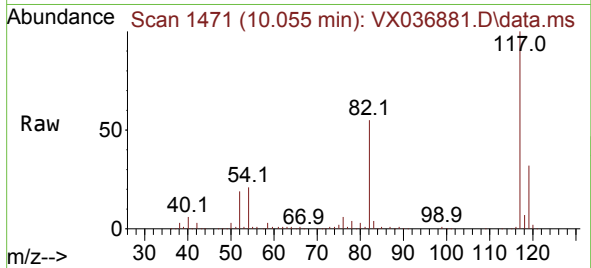




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

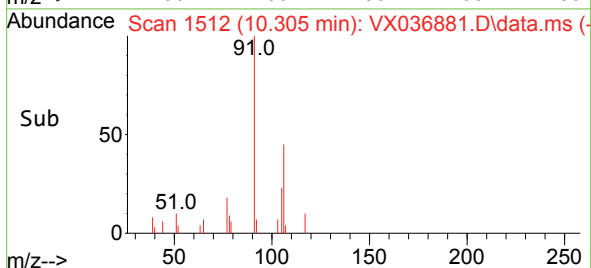
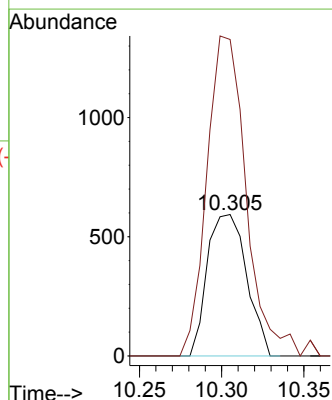
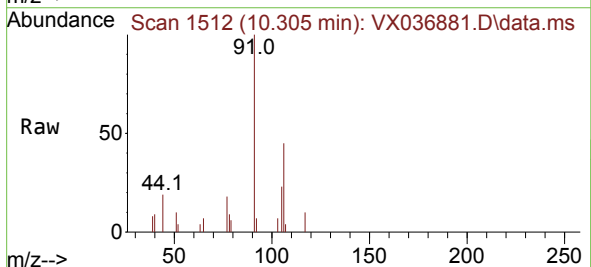
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

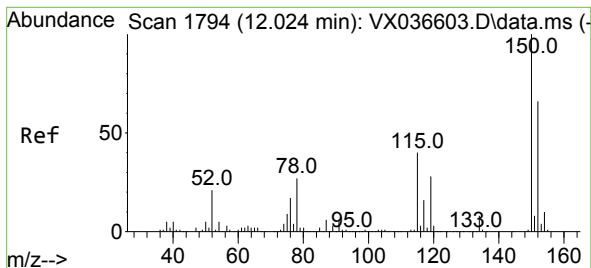
Tgt Ion:117 Resp: 246149
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.267 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

Tgt Ion:106 Resp: 987
Ion Ratio Lower Upper
106 100
91 228.0 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036881.D

Acq: 09 Aug 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBL01

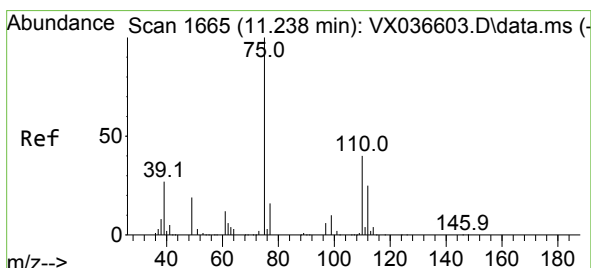
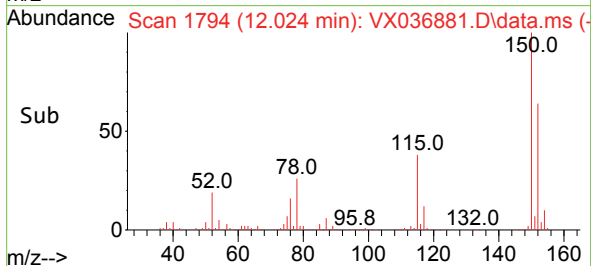
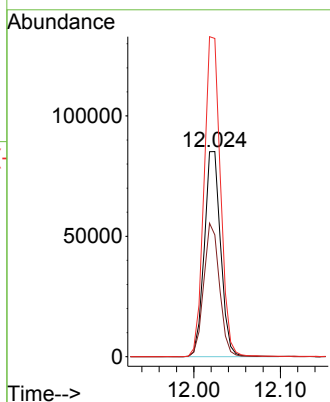
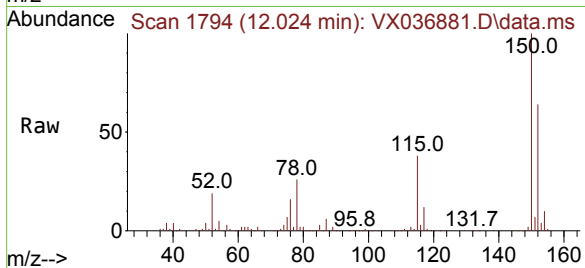
Tgt Ion:152 Resp: 111652

Ion Ratio Lower Upper

152 100

115 62.8 43.3 129.9

150 156.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.972 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036881.D

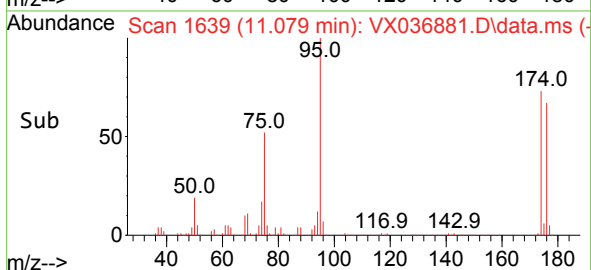
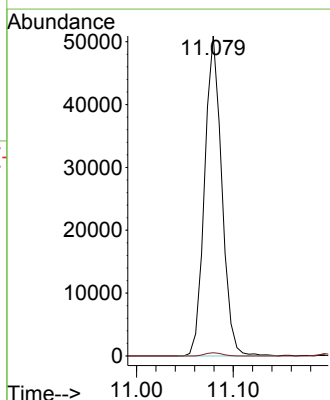
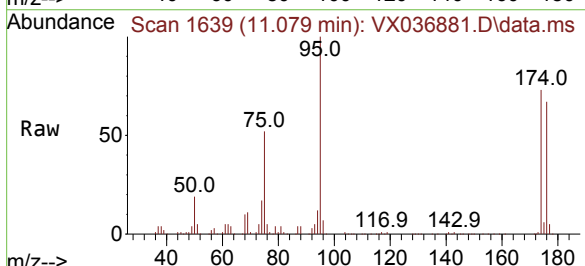
Acq: 09 Aug 2023 10:30

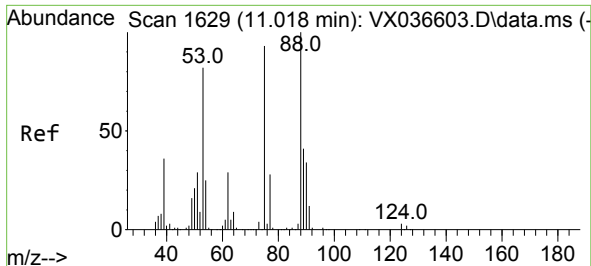
Tgt Ion: 75 Resp: 62954

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

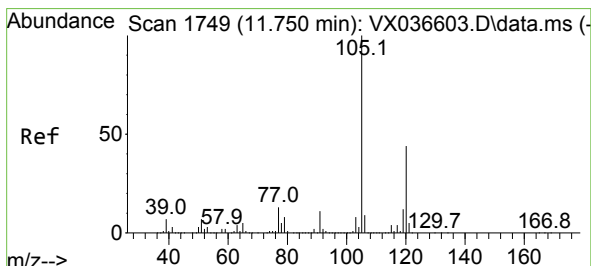
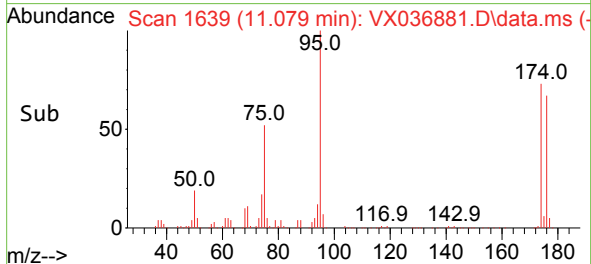
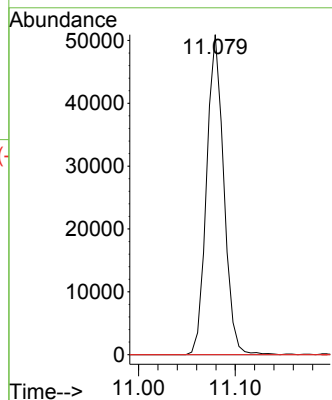
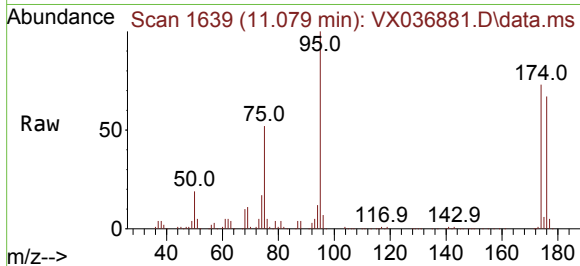




#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.333 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX036881.D
 Acq: 09 Aug 2023 10:30

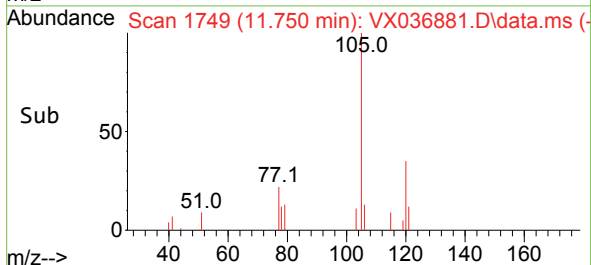
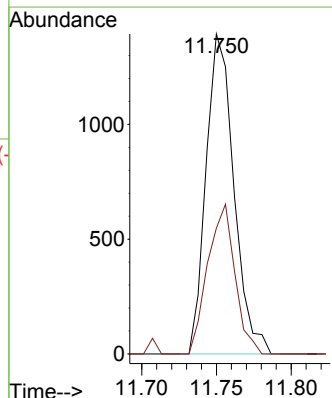
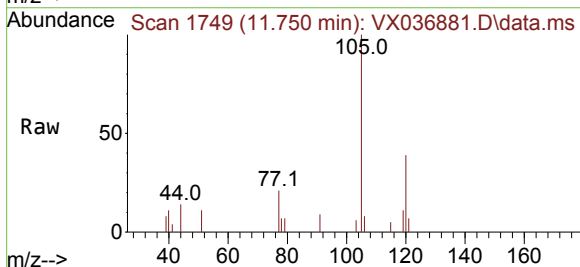
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBL01

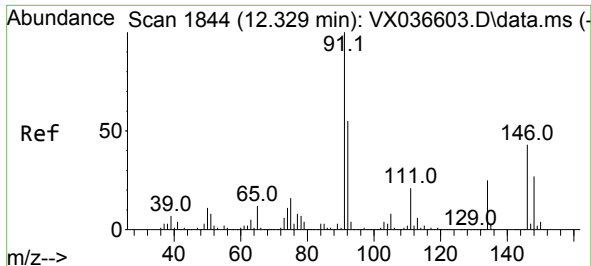
Tgt Ion: 75 Resp: 62954
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.233 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX036881.D
 Acq: 09 Aug 2023 10:30

Tgt Ion: 105 Resp: 1803
 Ion Ratio Lower Upper
 105 100
 120 45.8 21.2 63.6





#89

n-Butylbenzene

Concen: 0.297 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX036881.D

Acq: 09 Aug 2023 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0809WBL01

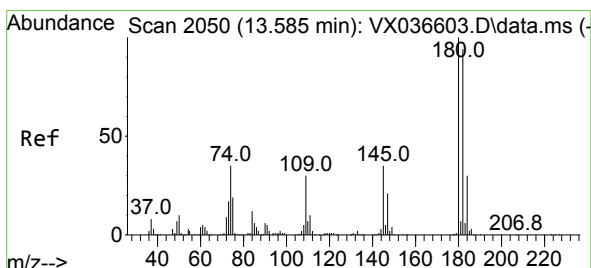
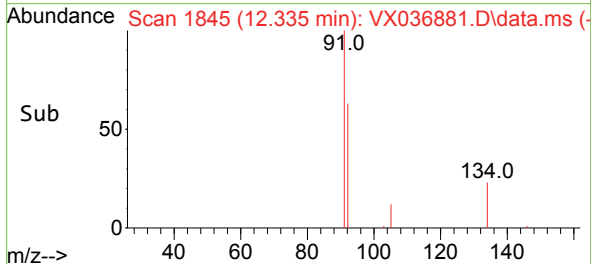
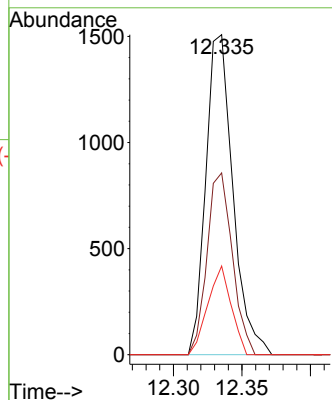
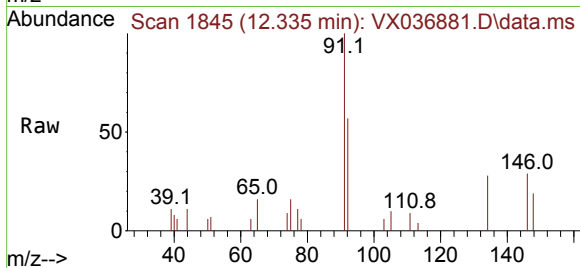
Tgt Ion: 91 Resp: 2072

Ion Ratio Lower Upper

91 100

92 53.1 27.4 82.0

134 23.9 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.417 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX036881.D

Acq: 09 Aug 2023 10:30

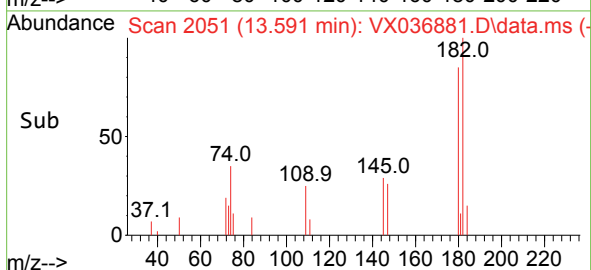
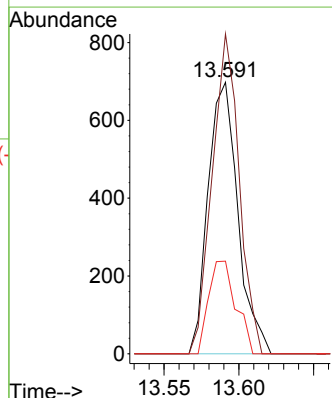
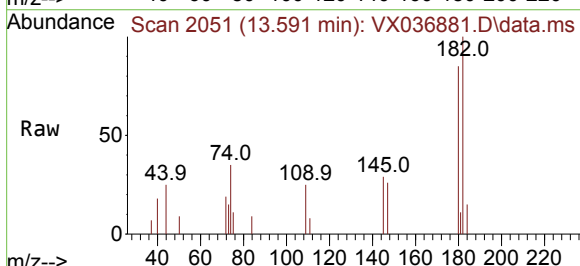
Tgt Ion: 180 Resp: 967

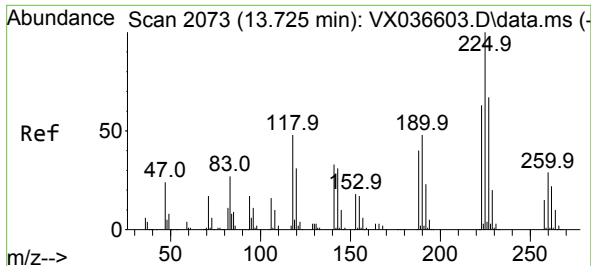
Ion Ratio Lower Upper

180 100

182 106.8 48.3 144.8

145 31.1 18.0 54.0

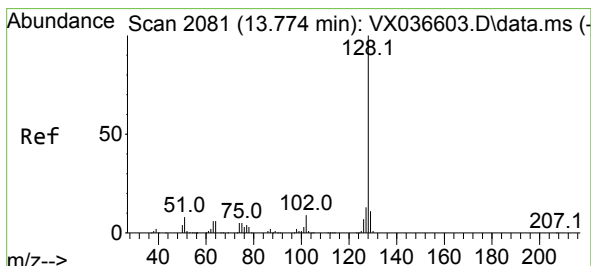
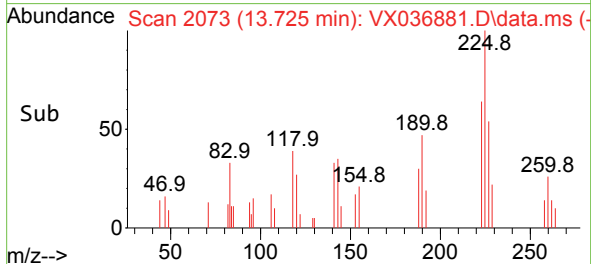
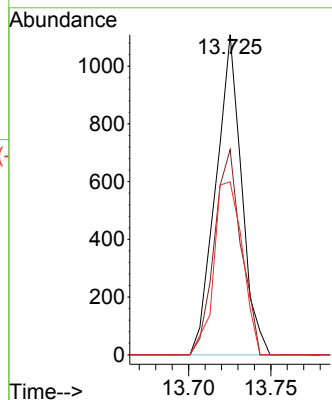
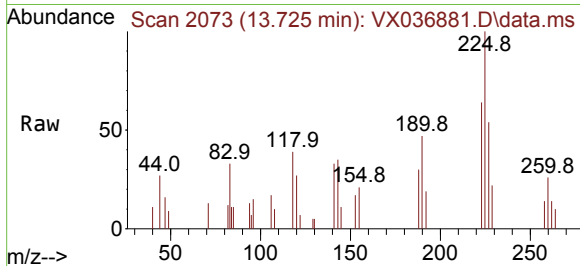




#94
Hexachlorobutadiene
Concen: 1.257 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

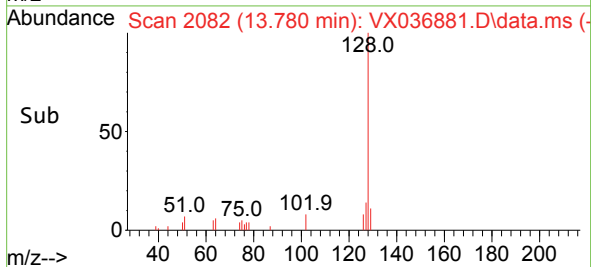
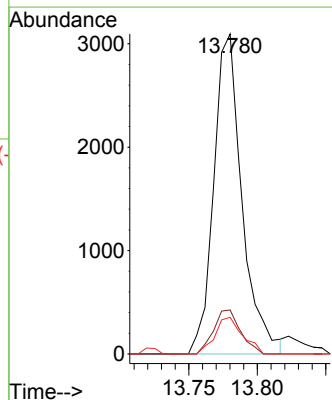
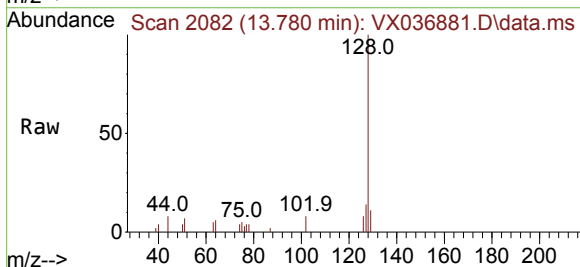
Instrument :
MSVOA_X
ClientSampleId :
VX0809WBL01

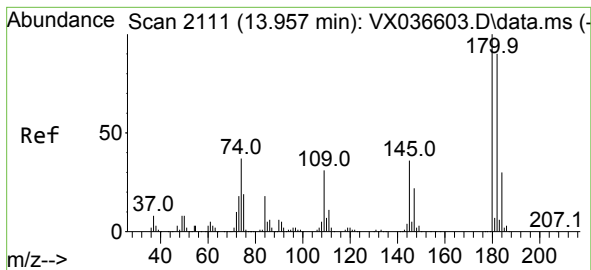
Tgt Ion:225 Resp: 1205
Ion Ratio Lower Upper
225 100
223 66.8 31.1 93.2
227 60.2 32.5 97.5



#95
Naphthalene
Concen: 0.549 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036881.D
Acq: 09 Aug 2023 10:30

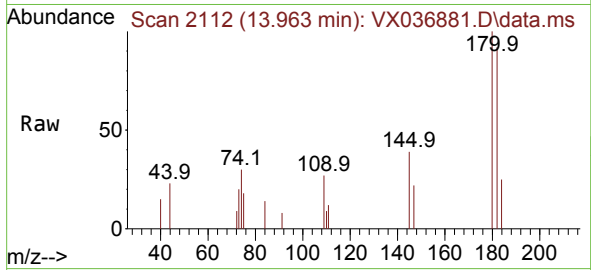
Tgt Ion:128 Resp: 4431
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.2 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.503 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX036881.D
 Acq: 09 Aug 2023 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBL01



Tgt Ion:	180	Resp:	1148
Ion Ratio	Lower	Upper	
180	100		
182	99.5	46.9	140.6
145	35.6	17.8	53.5

