

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081723\
 Data File : VX037066.D
 Acq On : 17 Aug 2023 18:05
 Operator : JC/MD
 Sample : BLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 06:08:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 05:51:31 2023
 Response via : Initial Calibration

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

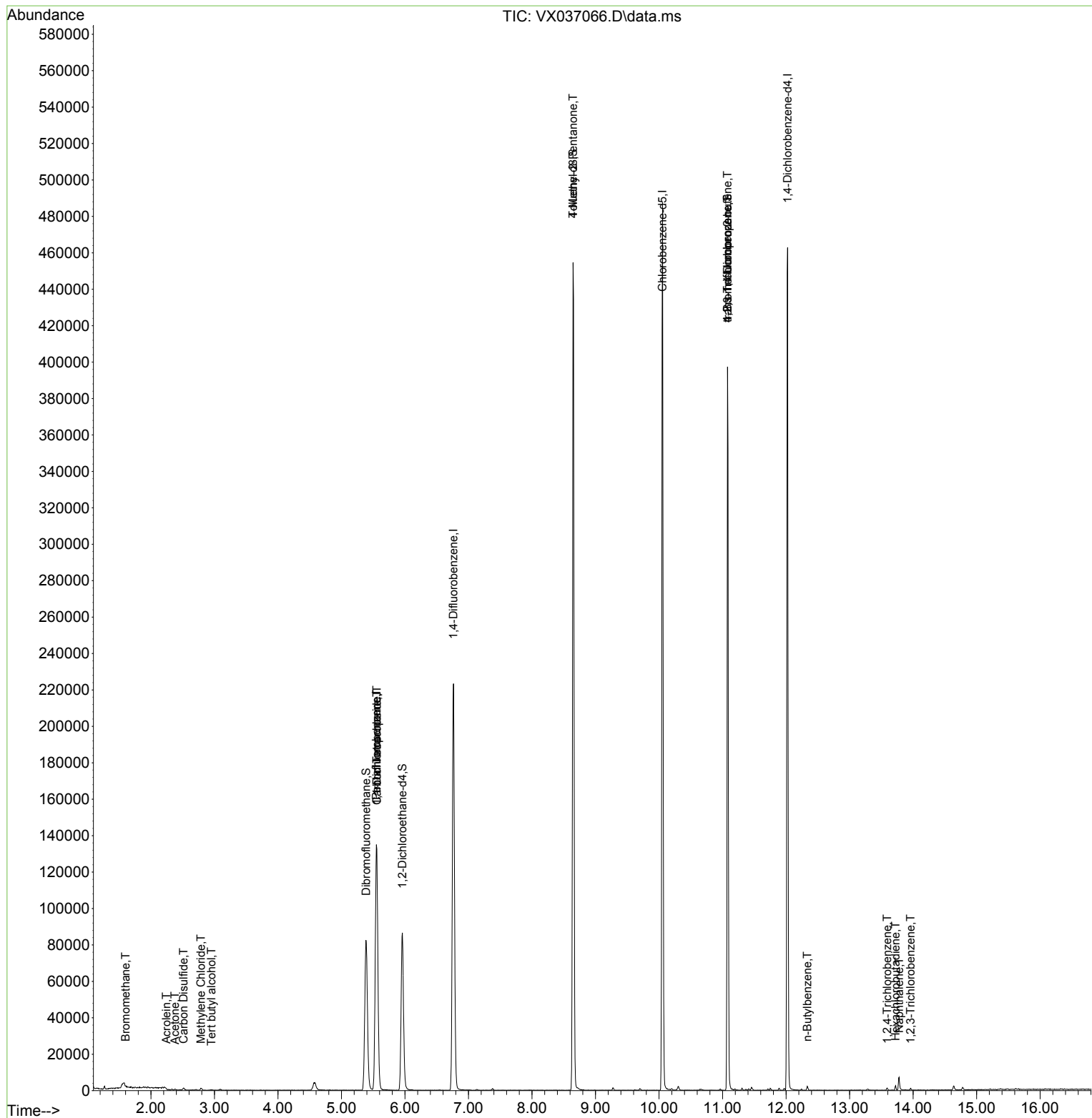
Internal Standards						
1) Pentafluorobenzene	5.549	168	124968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87024	48.303	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.600%
35) Dibromofluoromethane	5.385	113	73193	48.070	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.140%
50) Toluene-d8	8.646	98	275466	49.875	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.740%
62) 4-Bromofluorobenzene	11.079	95	109284	50.349	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.700%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	210	0.305	ug/l #	47
11) Tert butyl alcohol	2.952	59	193	0.457	ug/l #	78
13) Acrolein	2.239	56	270	0.840	ug/l #	54
16) Acetone	2.379	43	584	0.829	ug/l #	47
17) Carbon Disulfide	2.513	76	1497	0.457	ug/l	98
20) Methylene Chloride	2.788	84	590	0.374	ug/l #	87
36) 1,1-Dichloropropene	5.555	75	9994	4.620	ug/l #	50
38) Carbon Tetrachloride	5.555	117	13667	5.816	ug/l #	14
51) 4-Methyl-2-Pentanone	8.646	43	1055	0.495	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	55593	26.850	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55593	74.992	ug/l #	5
89) n-Butylbenzene	12.335	91	992	0.212	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	473	0.255	ug/l	91
94) Hexachlorobutadiene	13.725	225	447	0.625	ug/l	93
95) Naphthalene	13.780	128	6252	0.771	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	401	0.218	ug/l	77

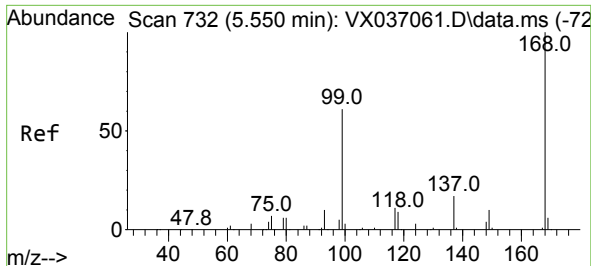
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 18 05:51:31 2023
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.001 min

Lab File: VX037066.D

Acq: 17 Aug 2023 18:05

Instrument :

MSVOA_X

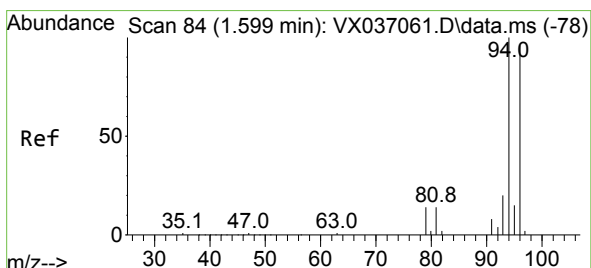
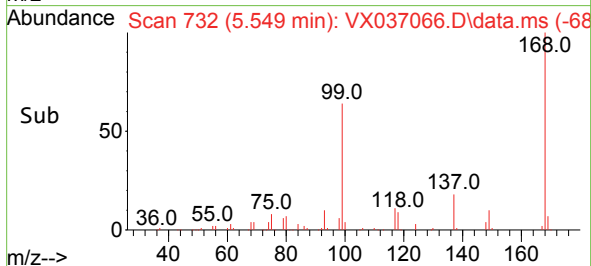
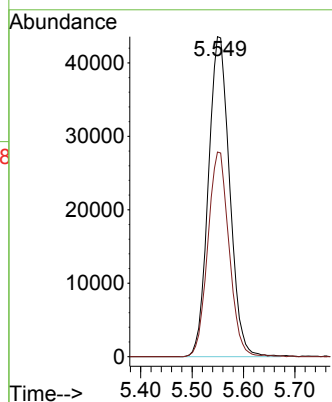
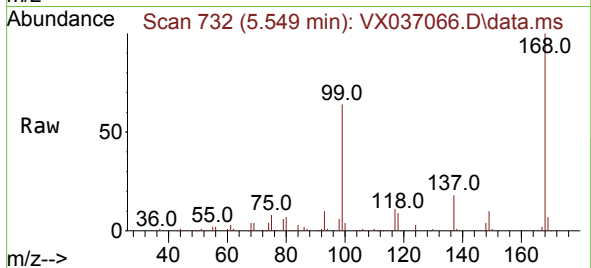
ClientSampleId :

Tgt Ion:168 Resp: 124968

Ion Ratio Lower Upper

168 100

99 64.0 56.6 85.0



#5

Bromomethane

Concen: 0.305 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX037066.D

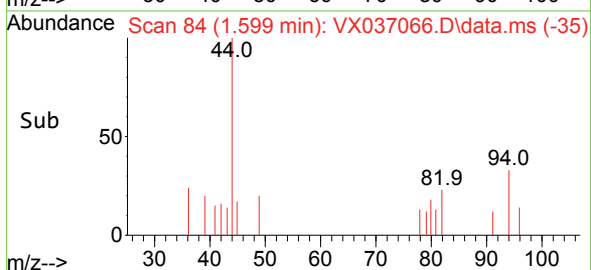
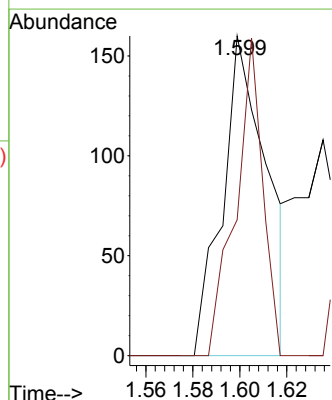
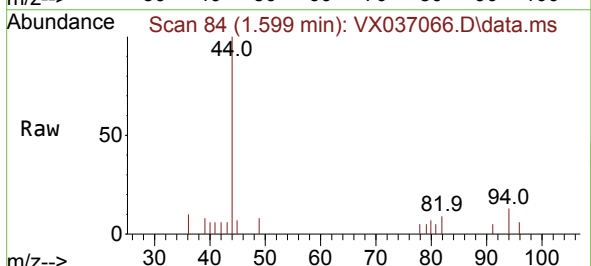
Acq: 17 Aug 2023 18:05

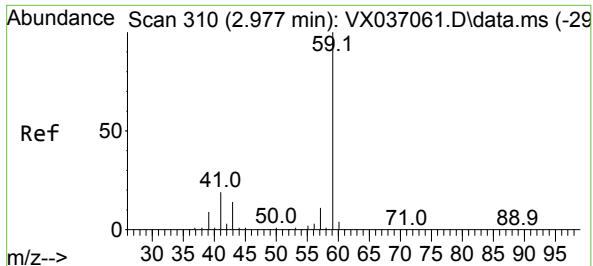
Tgt Ion: 94 Resp: 210

Ion Ratio Lower Upper

94 100

96 42.5 74.6 111.8#





#11

Tert butyl alcohol

Concen: 0.457 ug/l

RT: 2.952 min Scan# 306

Delta R.T. -0.025 min

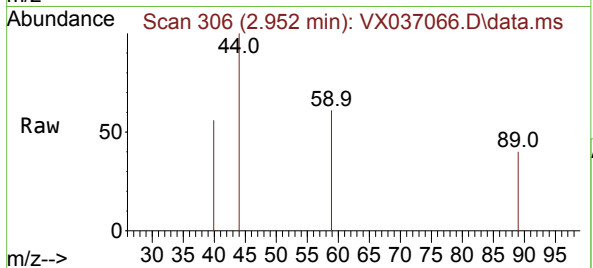
Lab File: VX037066.D

Acq: 17 Aug 2023 18:05

Instrument :

MSVOA_X

ClientSampleId :

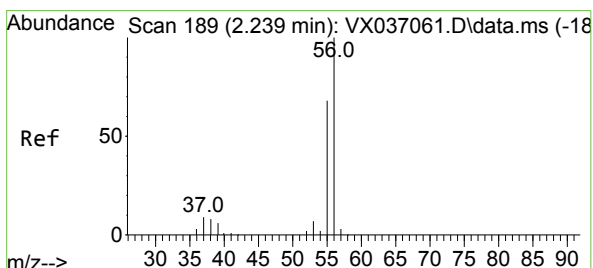
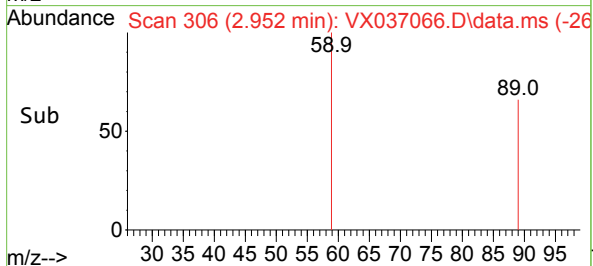
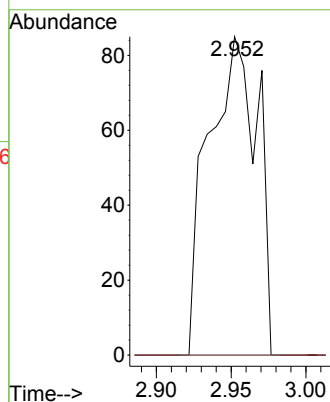


Tgt Ion: 59 Resp: 193

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.840 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX037066.D

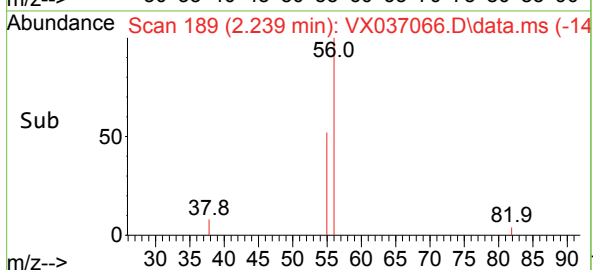
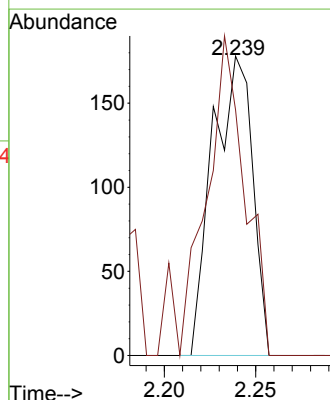
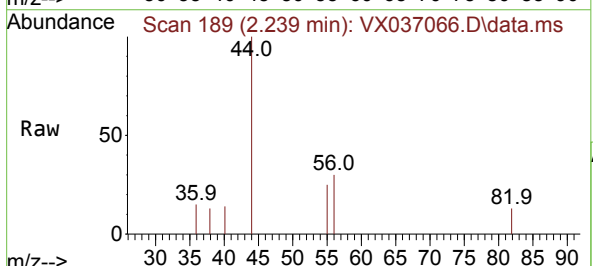
Acq: 17 Aug 2023 18:05

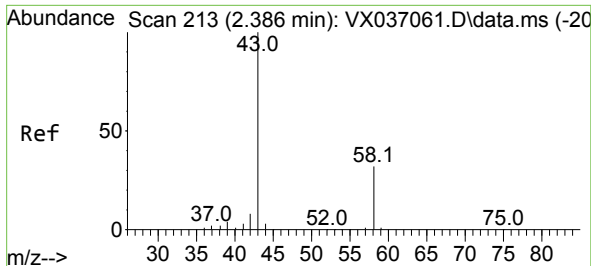
Tgt Ion: 56 Resp: 270

Ion Ratio Lower Upper

56 100

55 109.3 57.1 85.7#

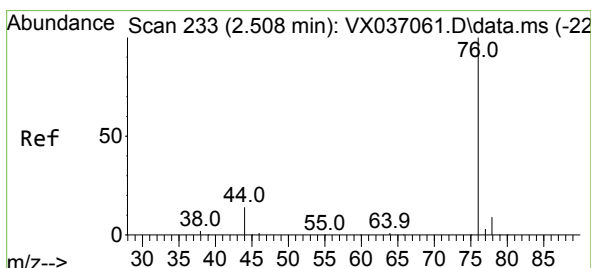
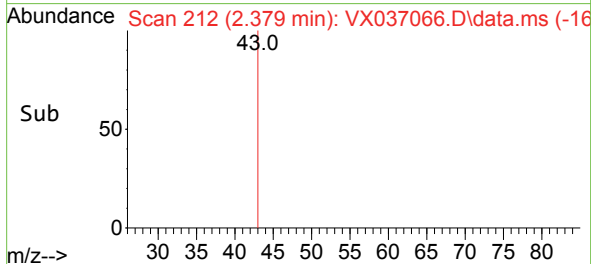
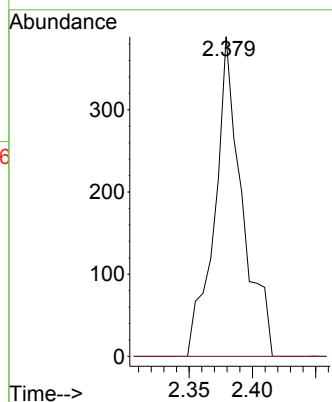
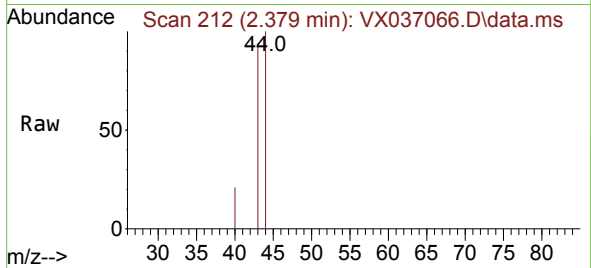




#16
Acetone
Concen: 0.829 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

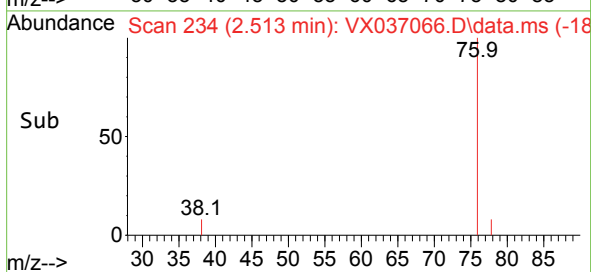
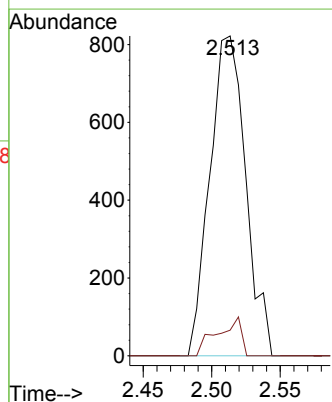
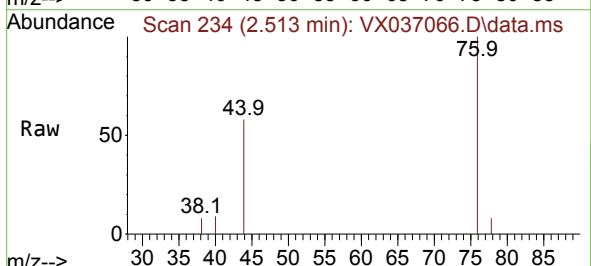
Instrument :
MSVOA_X
ClientSampleId :

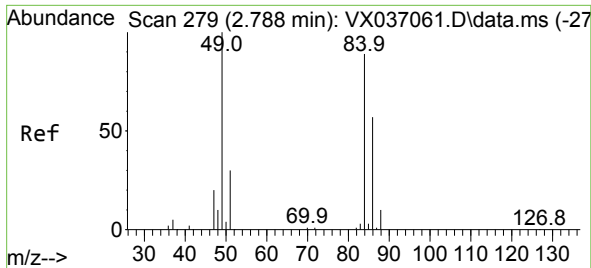
Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.457 ug/l
RT: 2.513 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

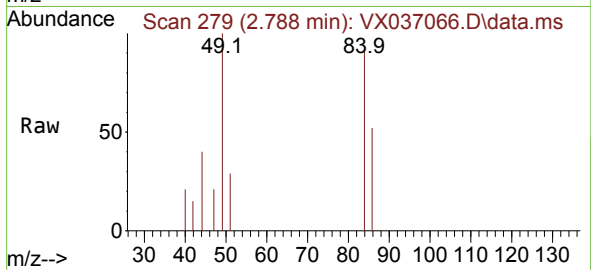
Tgt Ion: 76 Resp: 1497
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.6





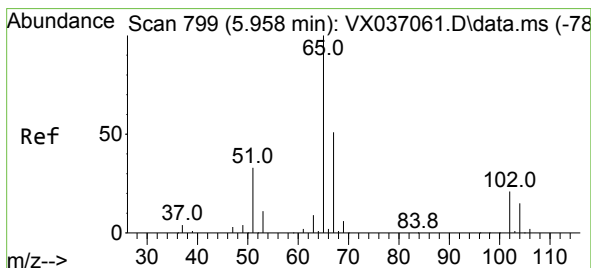
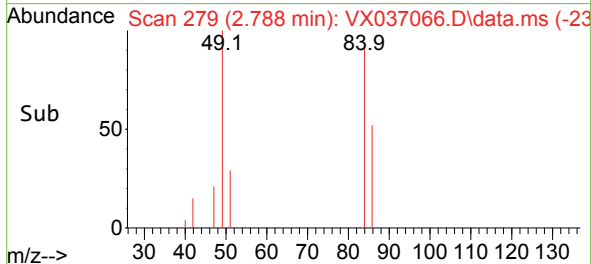
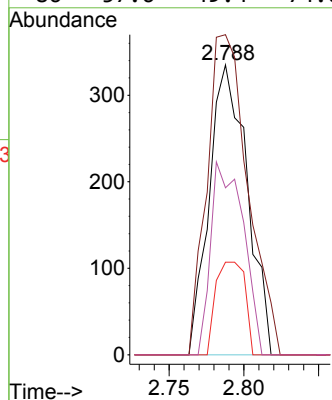
#20
Methylene Chloride
Concen: 0.374 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 590

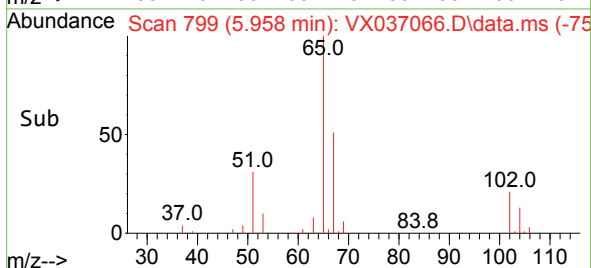
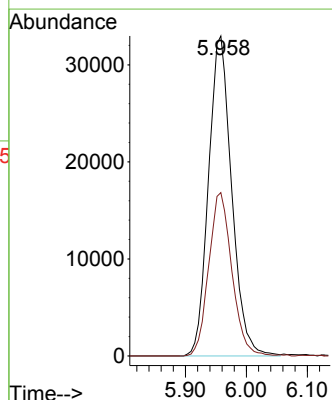
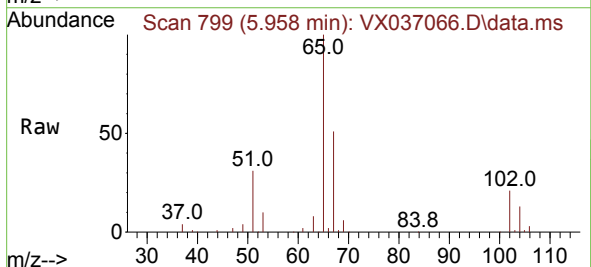
Ion	Ratio	Lower	Upper
84	100		
49	110.4	103.6	155.4
51	31.9	33.8	50.6#
86	57.6	49.4	74.0

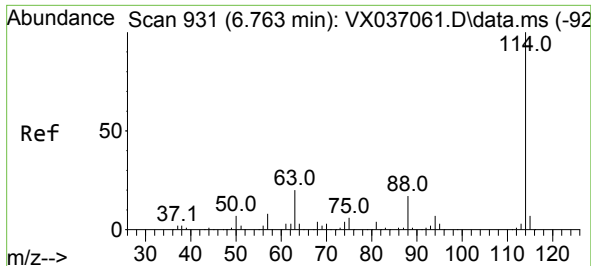


#33
1,2-Dichloroethane-d4
Concen: 48.303 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

Tgt Ion: 65 Resp: 87024

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	100.2

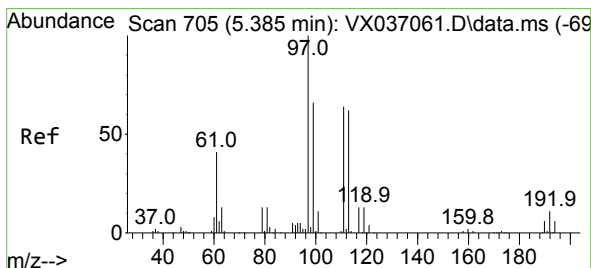
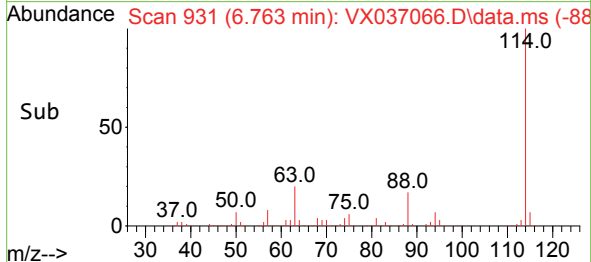
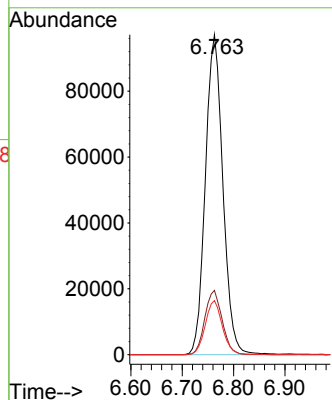
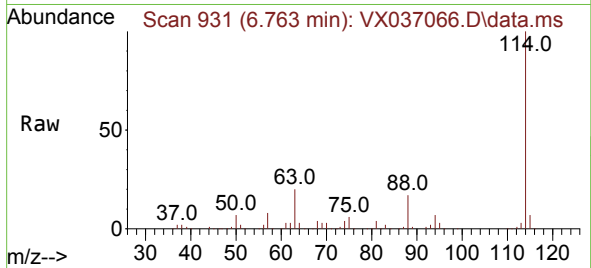




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

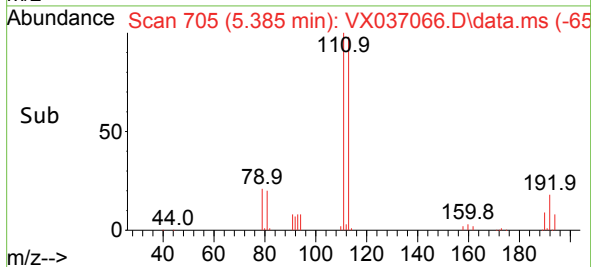
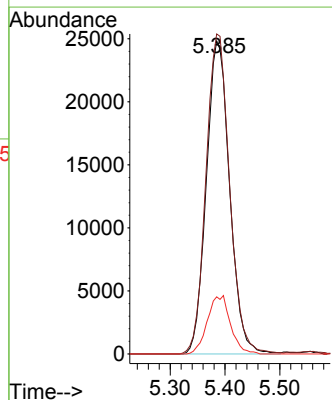
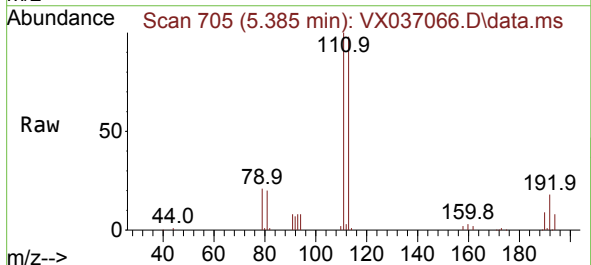
Instrument :
MSVOA_X
ClientSampleId :

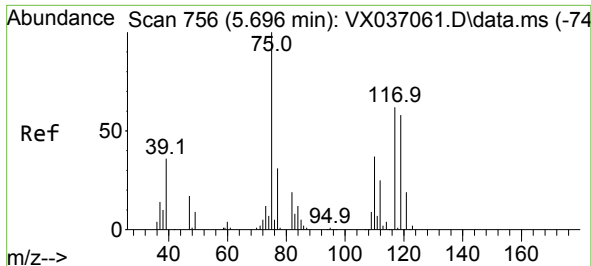
Tgt Ion:114 Resp: 229908
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.070 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

Tgt Ion:113 Resp: 73193
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 18.5 13.3 19.9

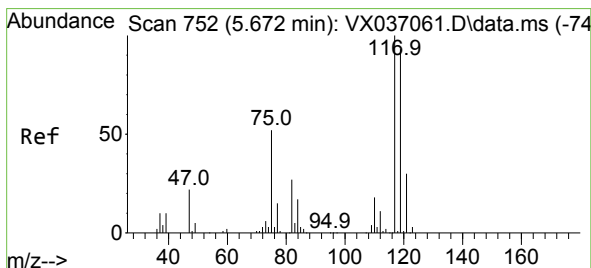
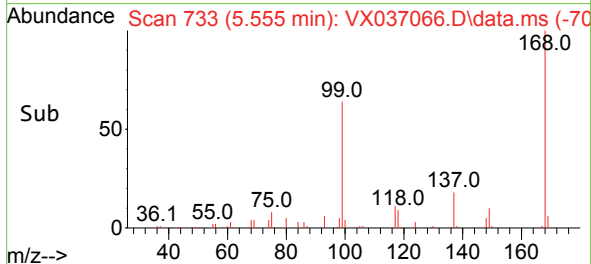
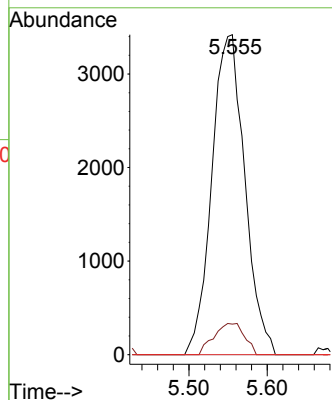
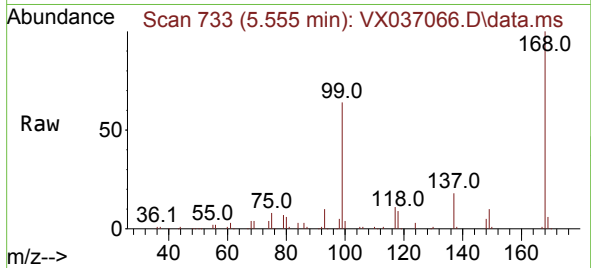




#36
1,1-Dichloropropene
Concen: 4.620 ug/l
RT: 5.555 min Scan# 713
Delta R.T. -0.141 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

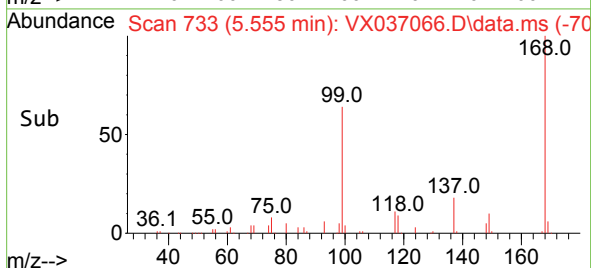
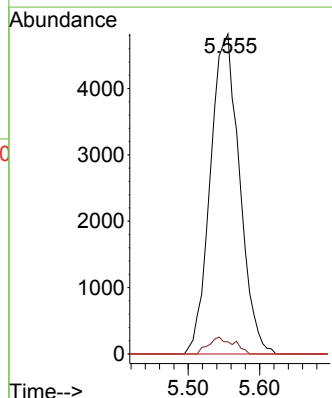
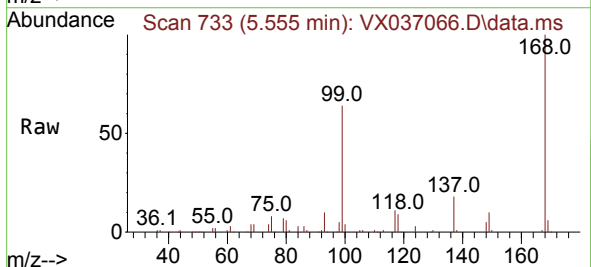
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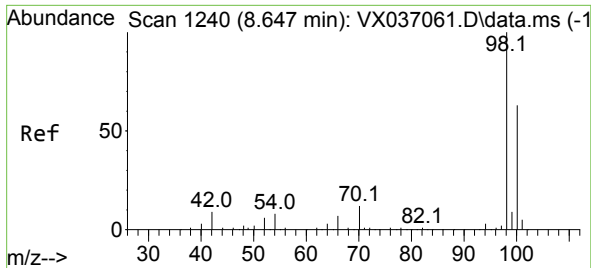
Tgt Ion: 75 Resp: 9994
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

Tgt Ion: 117 Resp: 13667
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#

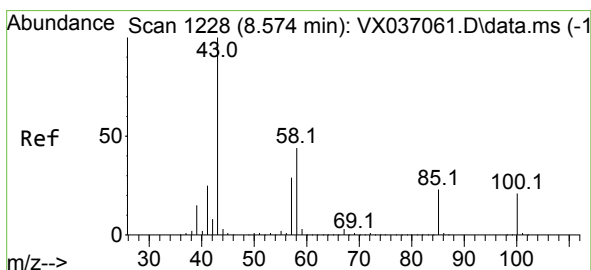
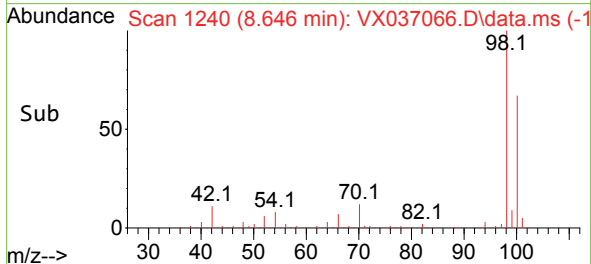
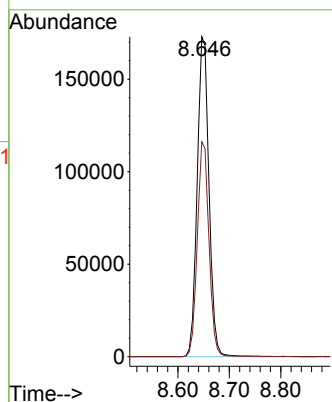
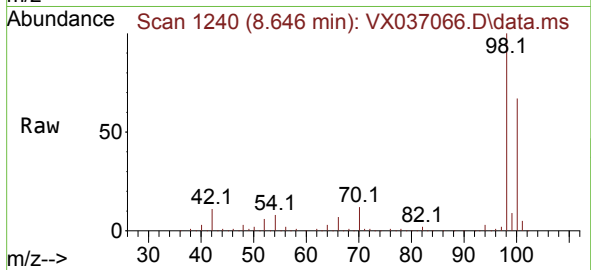




#50
Toluene-d8
Concen: 49.875 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

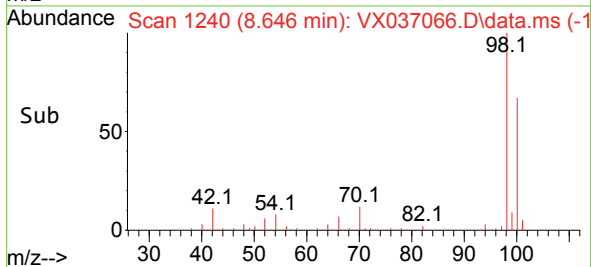
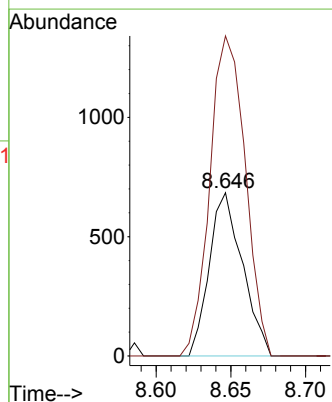
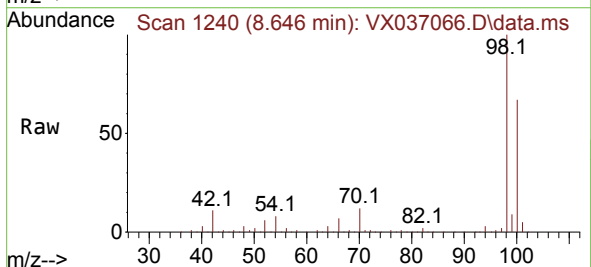
Instrument :
MSVOA_X
ClientSampleId :

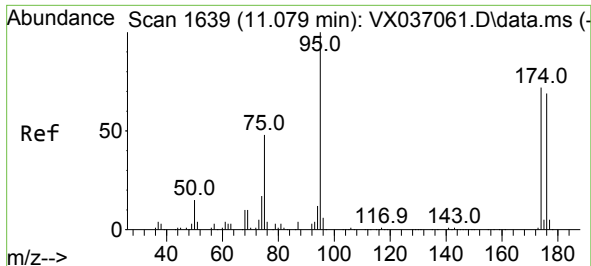
Tgt Ion: 98 Resp: 275466
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.495 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
58 209.5 30.4 45.6#

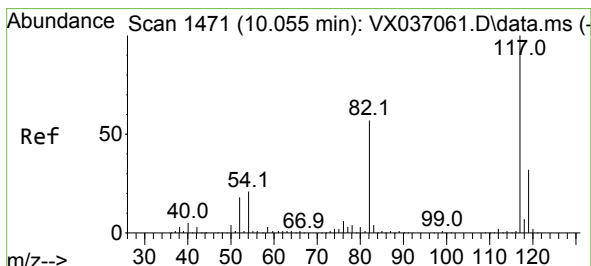
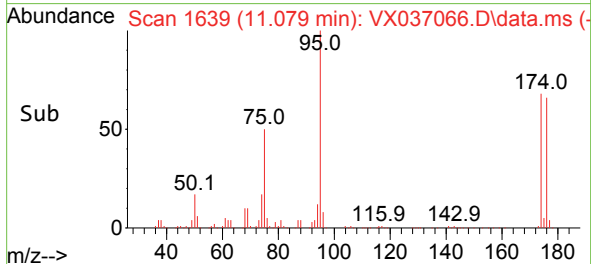
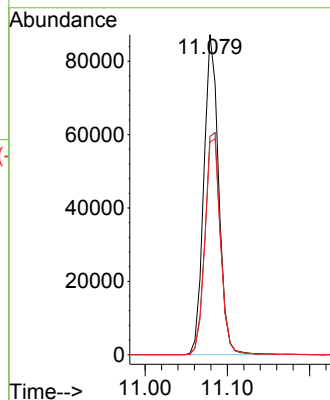
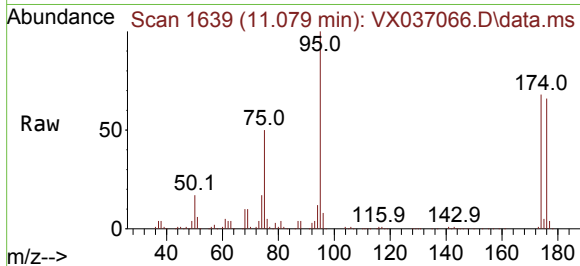




#62
4-Bromofluorobenzene
Concen: 50.349 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

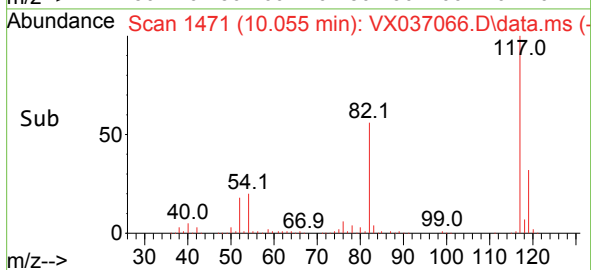
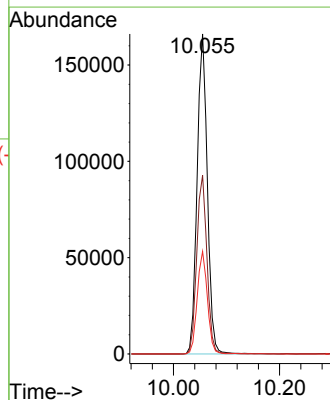
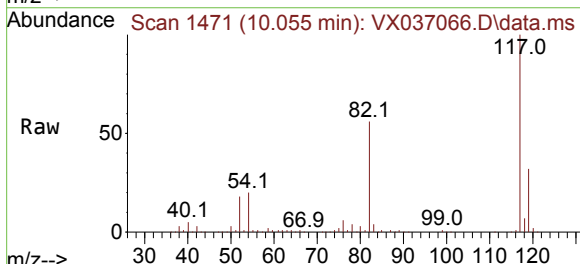
Instrument :
MSVOA_X
ClientSampleId :

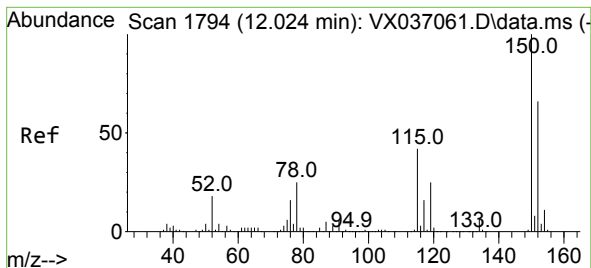
Tgt Ion: 95 Resp: 109284
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 70.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

Tgt Ion: 117 Resp: 221251
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037066.D

Acq: 17 Aug 2023 18:05

Instrument :

MSVOA_X

ClientSampleId :

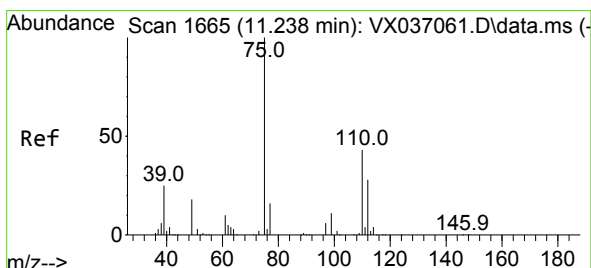
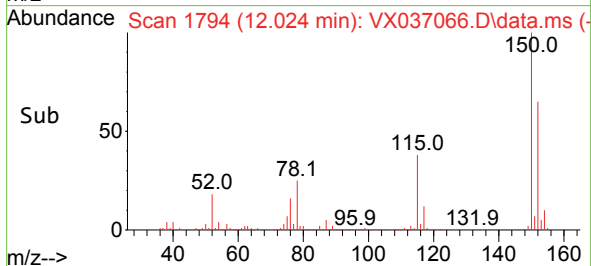
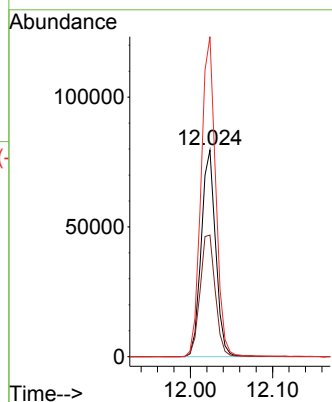
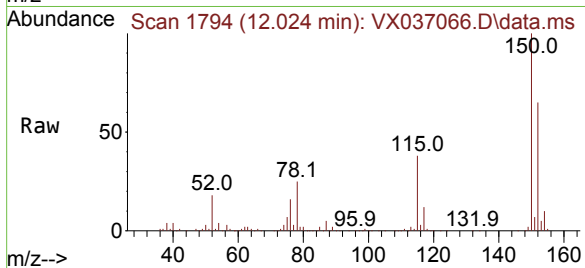
Tgt Ion:152 Resp: 97223

Ion Ratio Lower Upper

152 100

115 62.3 43.3 129.9

150 157.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.850 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037066.D

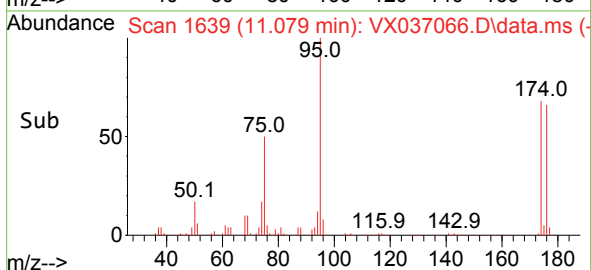
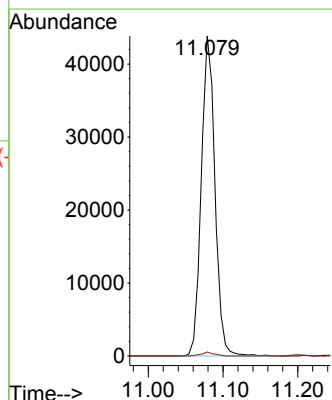
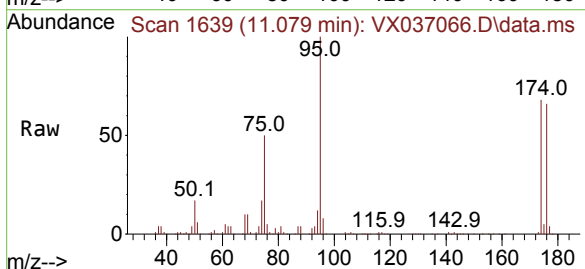
Acq: 17 Aug 2023 18:05

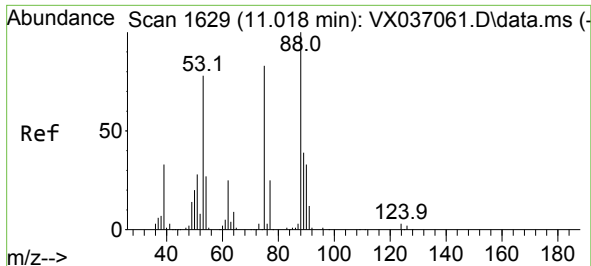
Tgt Ion: 75 Resp: 55593

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

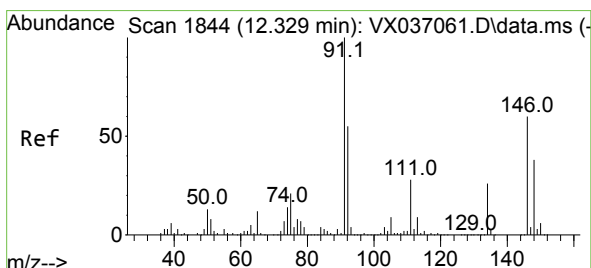
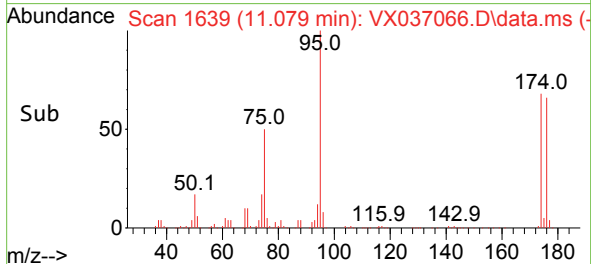
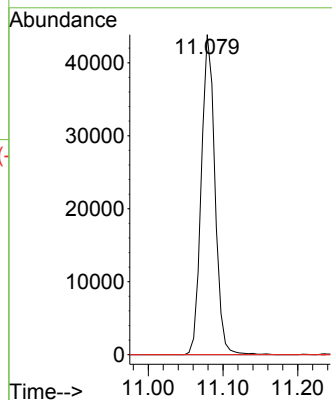
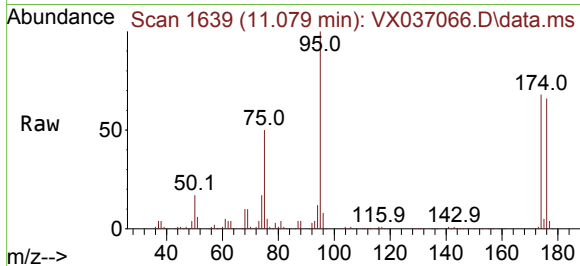




#81
trans-1,4-Dichloro-2-butene
Concen: 74.992 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

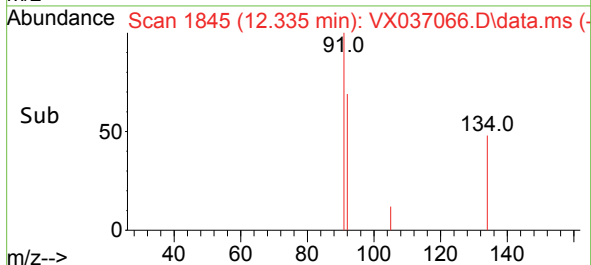
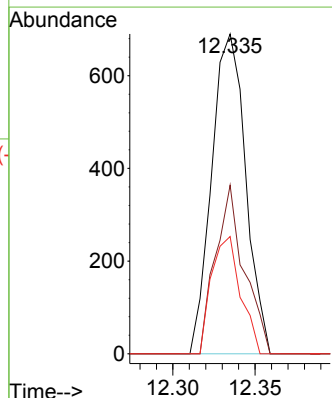
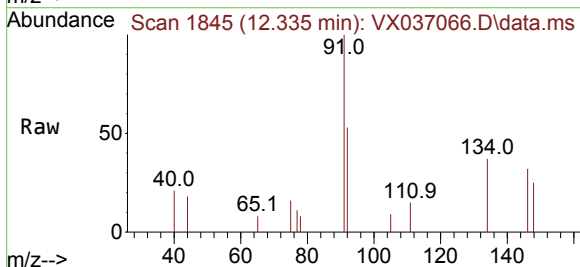
Instrument :
MSVOA_X
ClientSampleId :

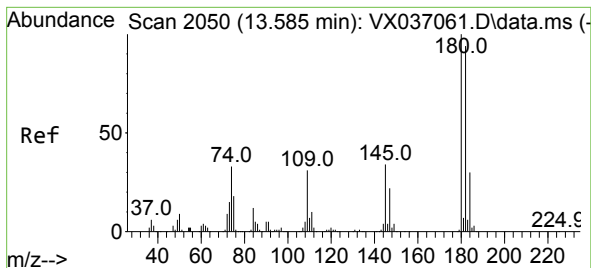
Tgt Ion: 75 Resp: 55593
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.212 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX037066.D
Acq: 17 Aug 2023 18:05

Tgt Ion: 91 Resp: 992
Ion Ratio Lower Upper
91 100
92 44.7 27.4 82.0
134 31.4 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.255 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX037066.D

Acq: 17 Aug 2023 18:05

Instrument :

MSVOA_X

ClientSampleId :

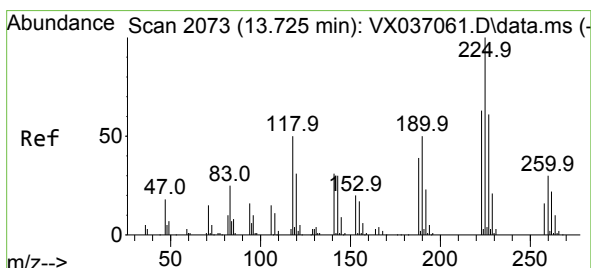
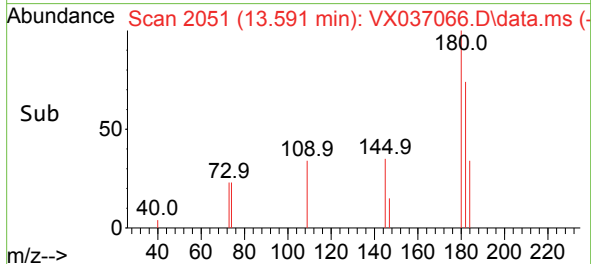
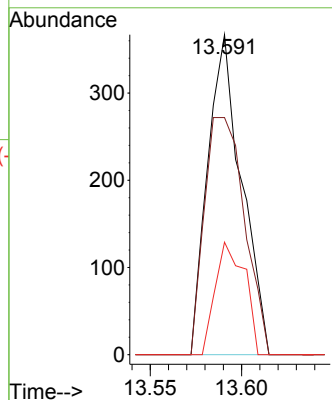
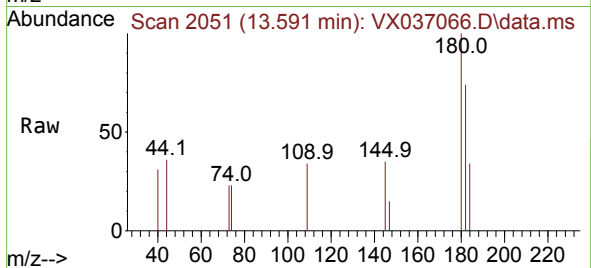
Tgt Ion:180 Resp: 473

Ion Ratio Lower Upper

180 100

182 87.7 48.3 144.8

145 30.4 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.625 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037066.D

Acq: 17 Aug 2023 18:05

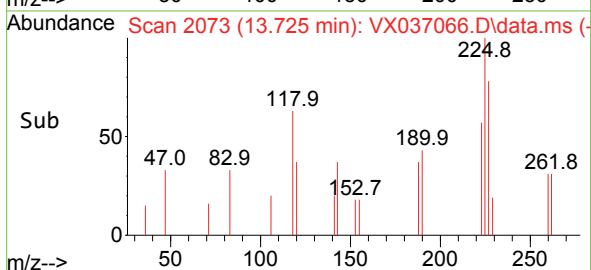
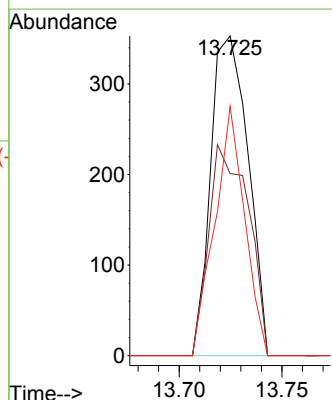
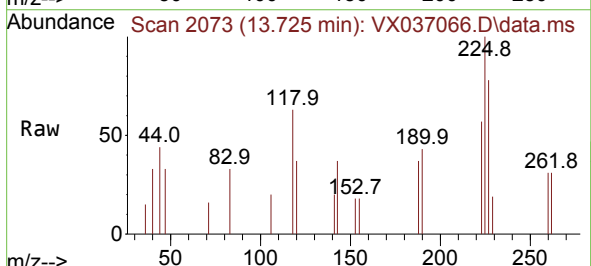
Tgt Ion:225 Resp: 447

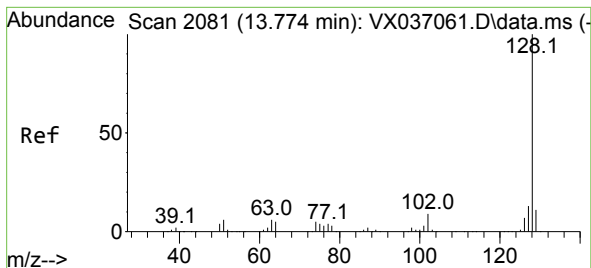
Ion Ratio Lower Upper

225 100

223 69.8 31.1 93.2

227 62.2 32.5 97.5





#95

Naphthalene

Concen: 0.771 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX037066.D

Acq: 17 Aug 2023 18:05

Instrument :

MSVOA_X

ClientSampleId :

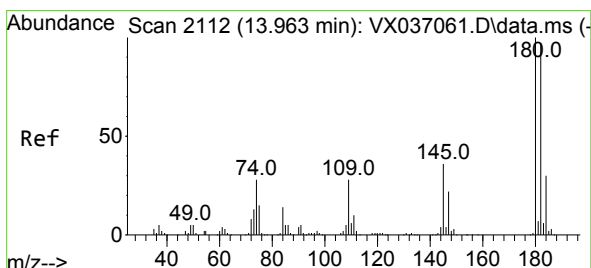
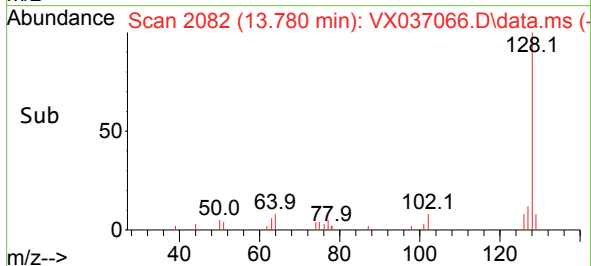
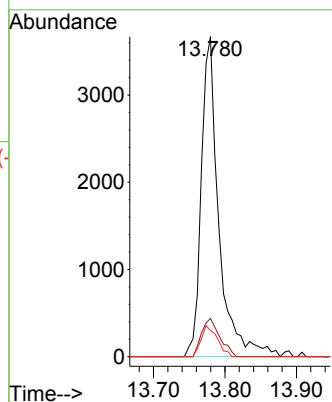
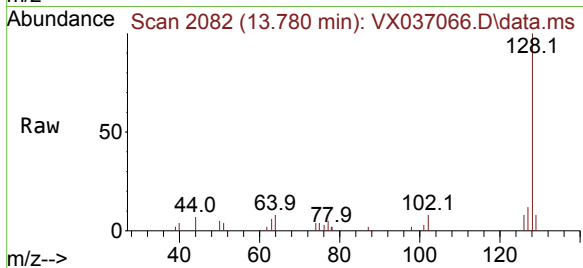
Tgt Ion:128 Resp: 6252

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 8.9 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.218 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037066.D

Acq: 17 Aug 2023 18:05

Tgt Ion:180 Resp: 401

Ion Ratio Lower Upper

180 100

182 69.3 46.9 140.6

145 25.2 17.8 53.5

