

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
 Data File : VX037403.D
 Acq On : 31 Aug 2023 03:50
 Operator : JC/MD
 Sample : VX0830WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 31 07:05:55 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)

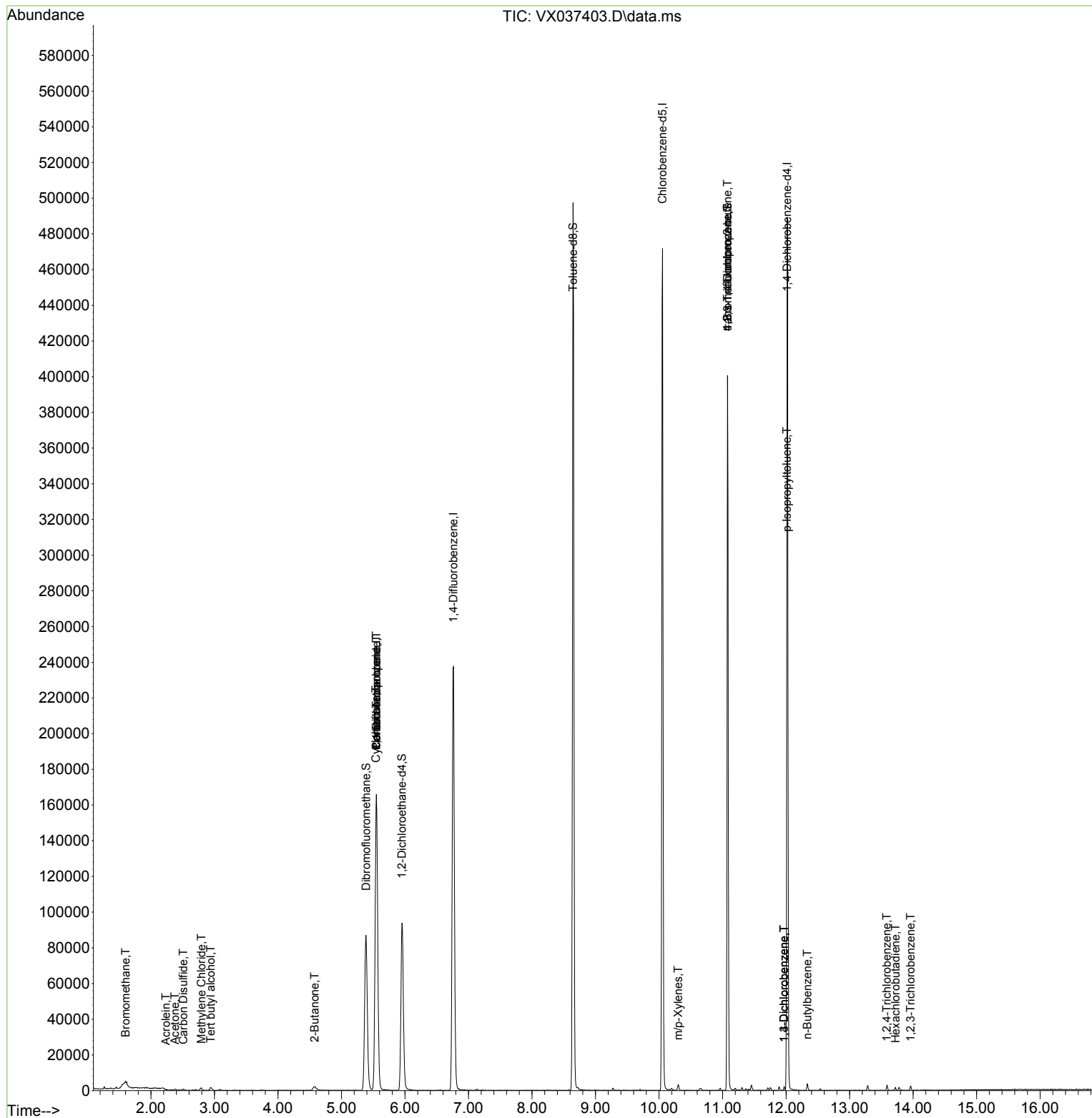
Internal Standards						
1) Pentafluorobenzene	5.550	168	155568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	256387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94245	42.021	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.040%		
35) Dibromofluoromethane	5.385	113	78276	46.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.200%		
50) Toluene-d8	8.647	98	302108	49.049	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.100%		
62) 4-Bromofluorobenzene	11.079	95	109919	45.412	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.820%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	277	0.323	ug/l	89
11) Tert butyl alcohol	2.940	59	1110	2.110	ug/l #	78
13) Acrolein	2.233	56	175	0.437	ug/l #	77
16) Acetone	2.379	43	814	0.928	ug/l	96
17) Carbon Disulfide	2.507	76	826	0.203	ug/l #	76
20) Methylene Chloride	2.794	84	756	0.385	ug/l #	76
25) 2-Butanone	4.574	43	452	0.342	ug/l #	51
31) Cyclohexane	5.544	56	2994	1.187	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12436	5.155	ug/l #	51
38) Carbon Tetrachloride	5.550	117	16920	6.457	ug/l #	15
68) m/p-Xylenes	10.299	106	752	0.230	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	53768	24.329	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53768	67.952	ug/l #	5
86) p-Isopropyltoluene	12.012	119	1291	0.214	ug/l #	65
87) 1,3-Dichlorobenzene	11.969	146	818	0.237	ug/l	93
88) 1,4-Dichlorobenzene	11.969	146	818	0.230	ug/l	92
89) n-Butylbenzene	12.335	91	1468	0.293	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	773	0.391	ug/l	94
94) Hexachlorobutadiene	13.725	225	288	0.377	ug/l	85
96) 1,2,3-Trichlorobenzene	13.963	180	760	0.387	ug/l	94

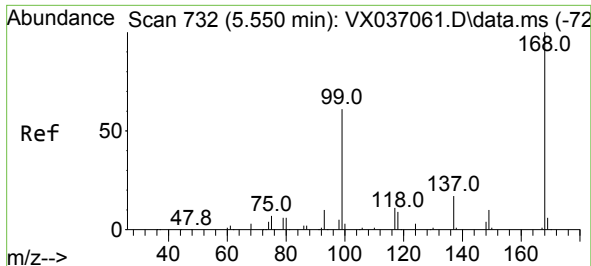
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Aug 31 07:05:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

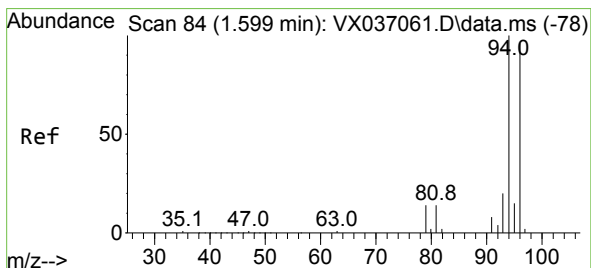
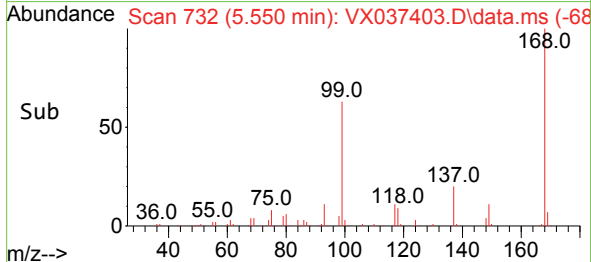
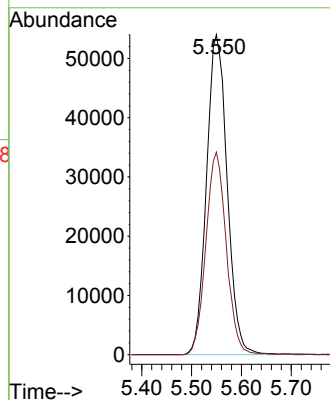
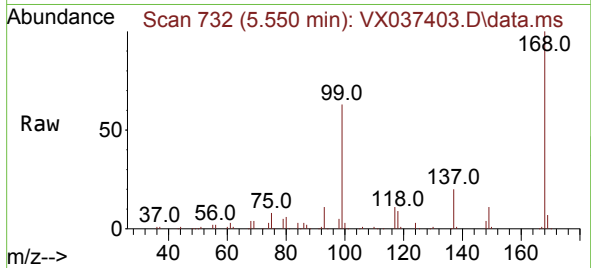




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

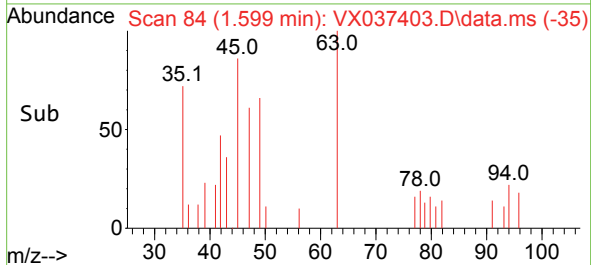
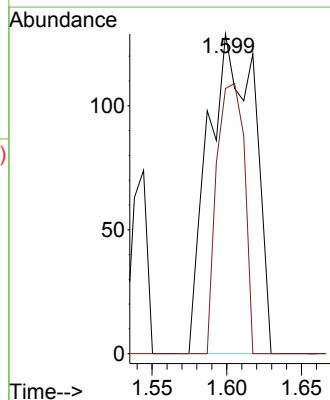
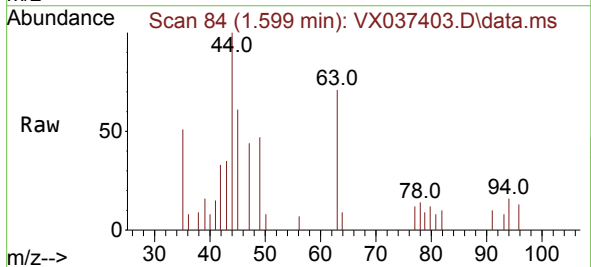
Instrument :
MSVOA_X
ClientSampleId :

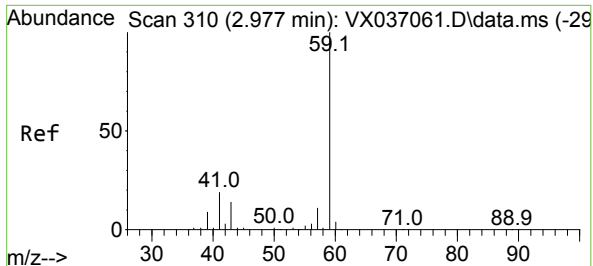
Tgt Ion:168 Resp: 155568
Ion Ratio Lower Upper
168 100
99 63.3 56.6 85.0



#5
Bromomethane
Concen: 0.323 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 82.9 74.6 111.8





#11

Tert butyl alcohol

Concen: 2.110 ug/l

RT: 2.940 min Scan# 30

Delta R.T. -0.037 min

Lab File: VX037403.D

Acq: 31 Aug 2023 03:50

Instrument :

MSVOA_X

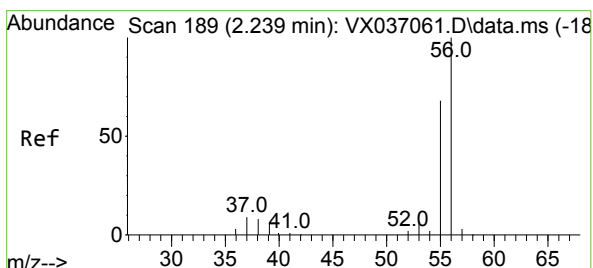
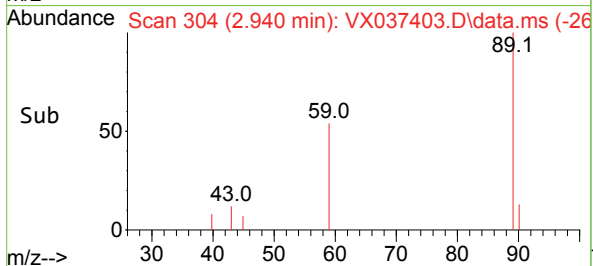
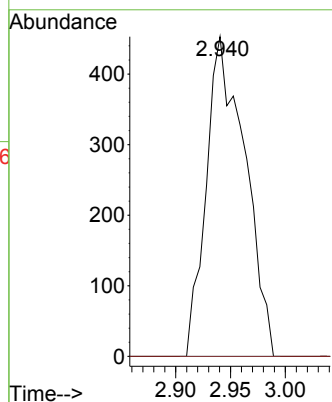
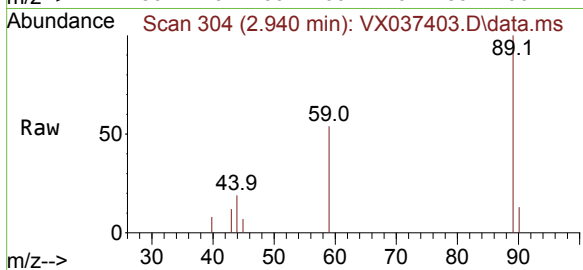
ClientSampleId :

Tgt Ion: 59 Resp: 1110

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.437 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037403.D

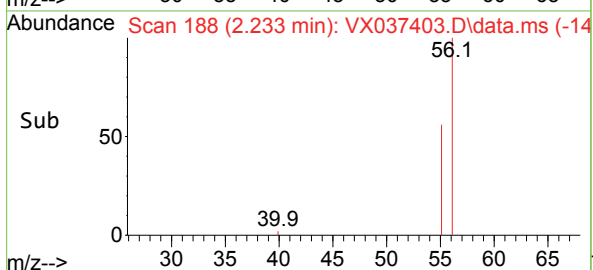
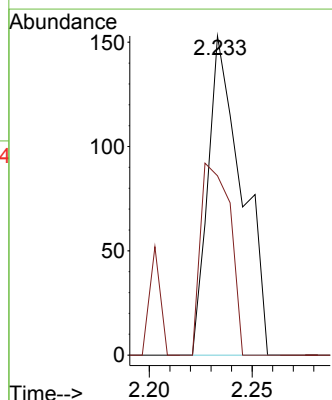
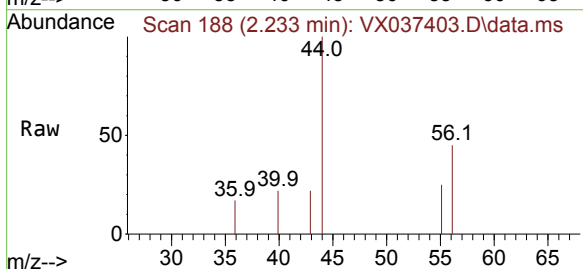
Acq: 31 Aug 2023 03:50

Tgt Ion: 56 Resp: 175

Ion Ratio Lower Upper

56 100

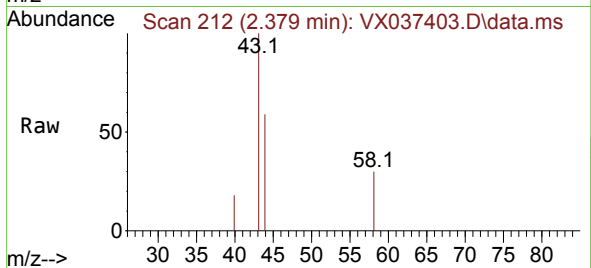
55 52.6 57.1 85.7#



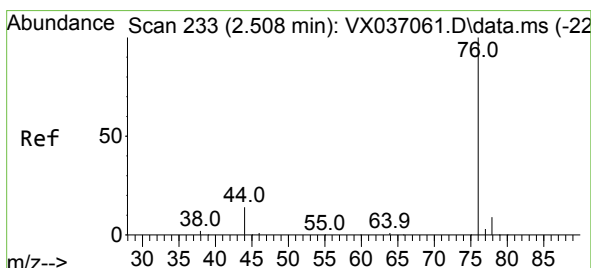
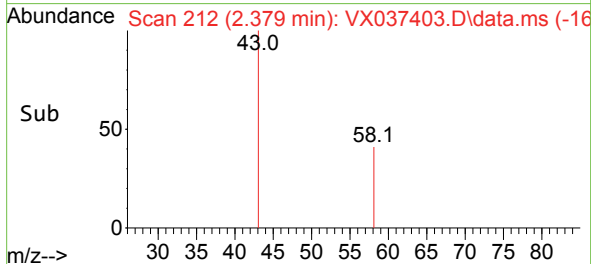
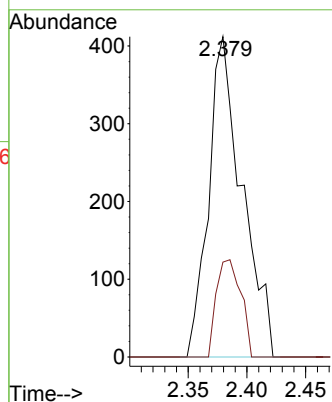


#16
Acetone
Concen: 0.928 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

Instrument :
MSVOA_X
ClientSampleId :

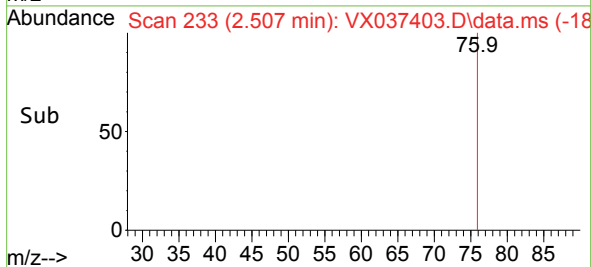
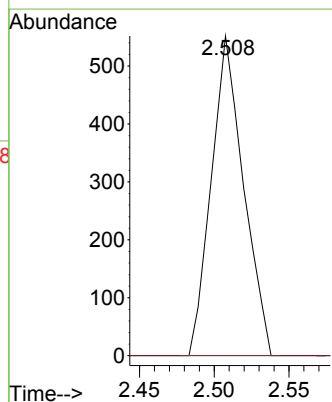
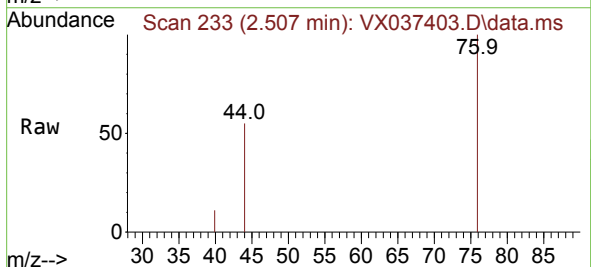


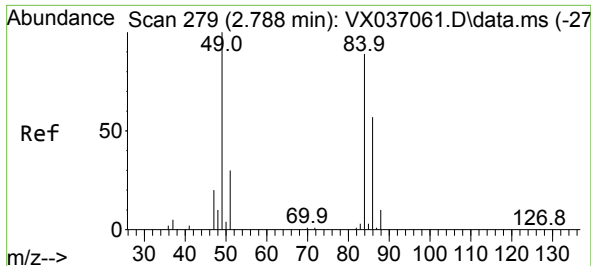
Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
58 29.6 21.9 32.9



#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

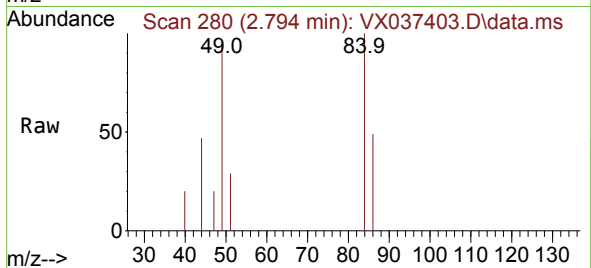
Tgt Ion: 76 Resp: 826
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



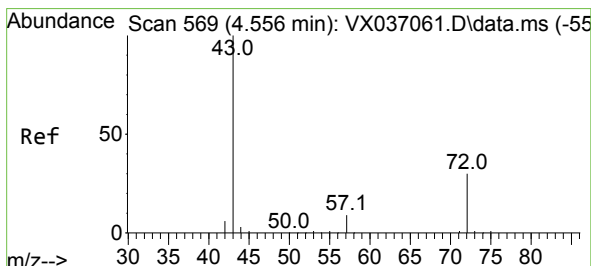
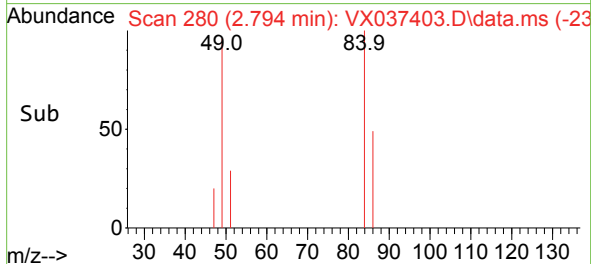
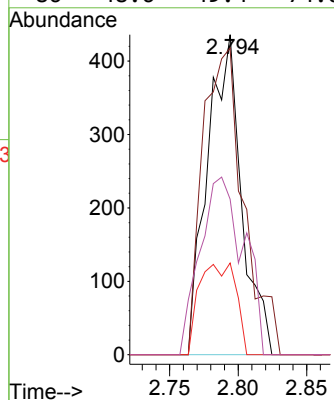


#20
Methylene Chloride
Concen: 0.385 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

Instrument :
MSVOA_X
ClientSampleId :

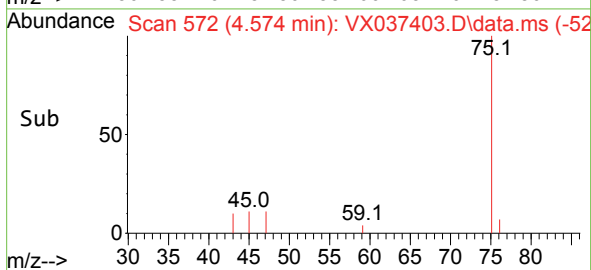
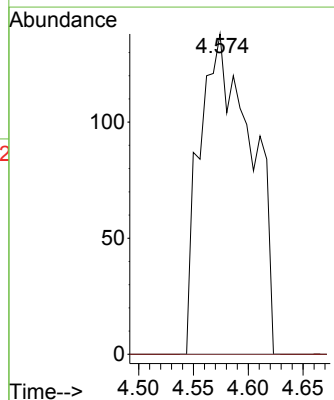
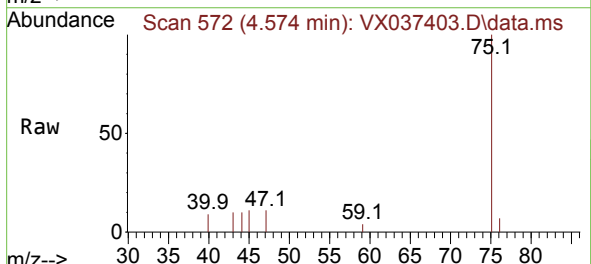


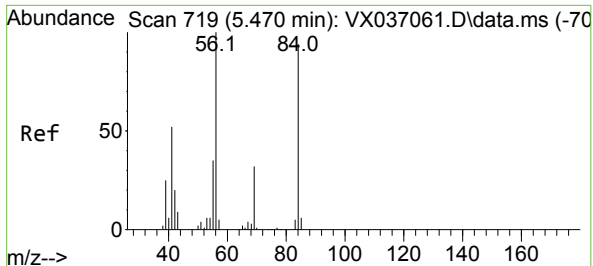
Tgt Ion:	84	Resp:	756
Ion	Ratio	Lower	Upper
84	100		
49	95.9	103.6	155.4#
51	28.7	33.8	50.6#
86	48.6	49.4	74.0#



#25
2-Butanone
Concen: 0.342 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

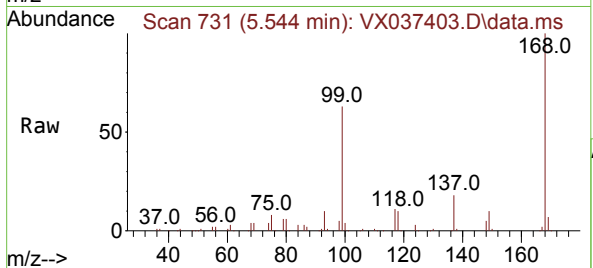
Tgt Ion:	43	Resp:	452
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#



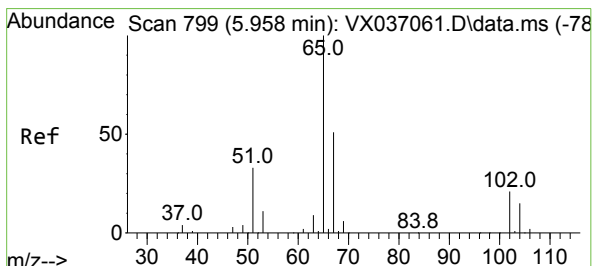
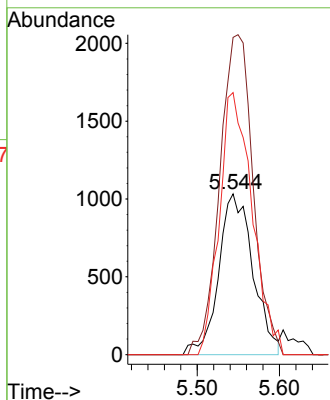
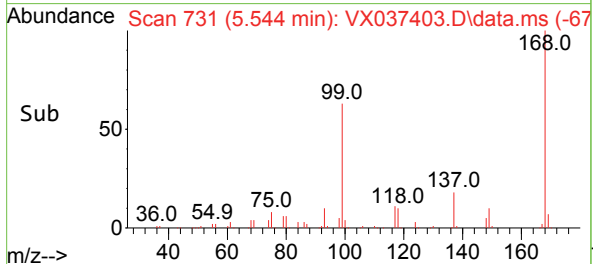


#31
Cyclohexane
Concen: 1.187 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

Instrument :
MSVOA_X
ClientSampleId :

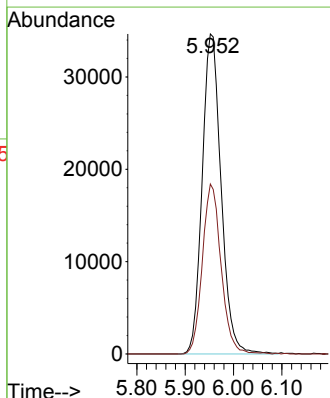
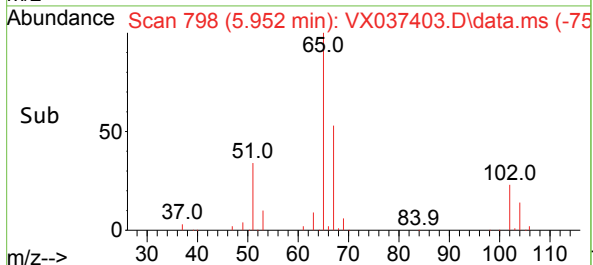
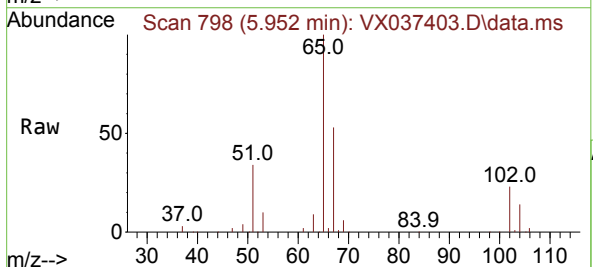


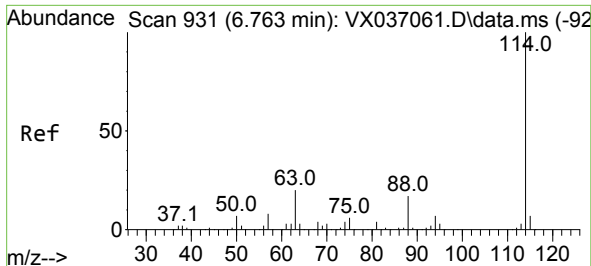
Tgt Ion: 56 Resp: 2994
Ion Ratio Lower Upper
56 100
69 197.4 23.4 35.2#
84 163.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.021 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

Tgt Ion: 65 Resp: 94245
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2

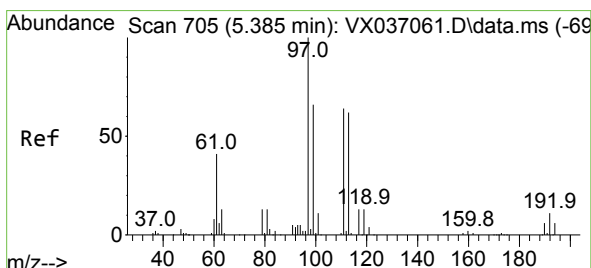
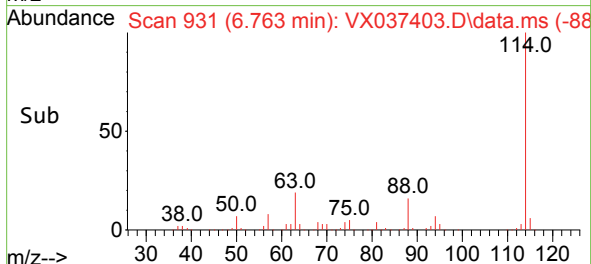
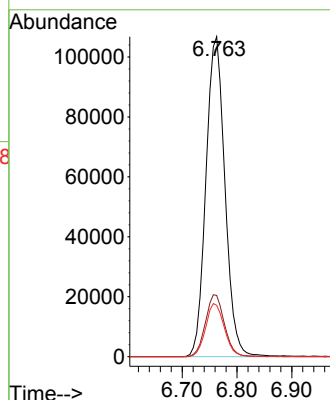
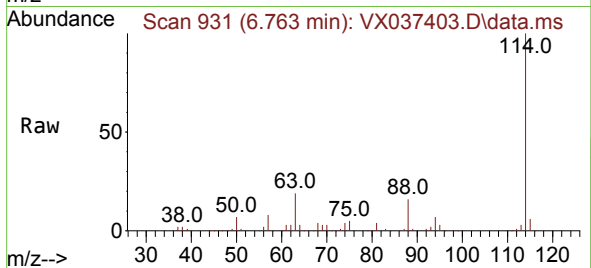




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

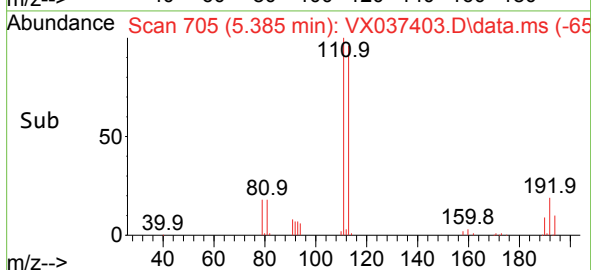
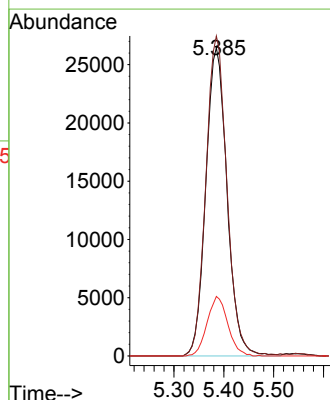
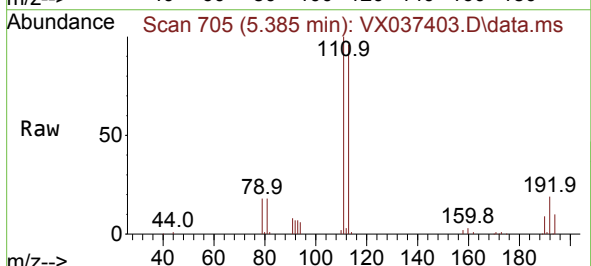
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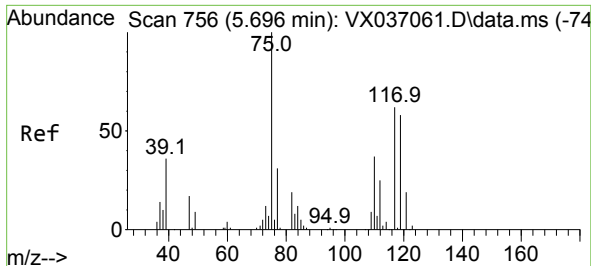
Tgt Ion:114 Resp: 256387
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.099 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

Tgt Ion:113 Resp: 78276
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 18.8 13.3 19.9

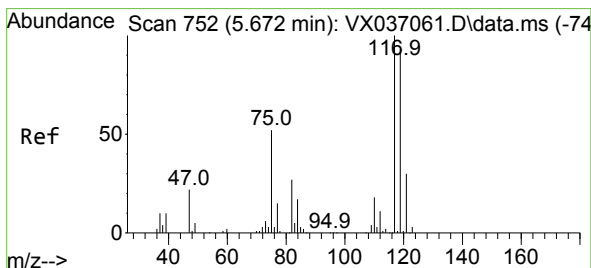
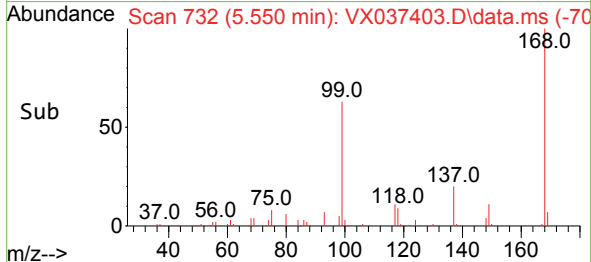
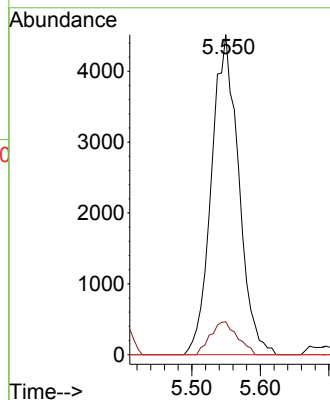
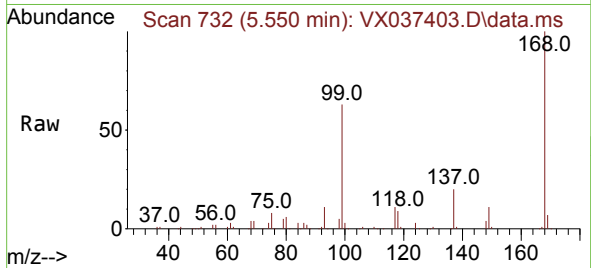




#36
 1,1-Dichloropropene
 Concen: 5.155 ug/l
 RT: 5.550 min Scan# 71
 Delta R.T. -0.146 min
 Lab File: VX037403.D
 Acq: 31 Aug 2023 03:50

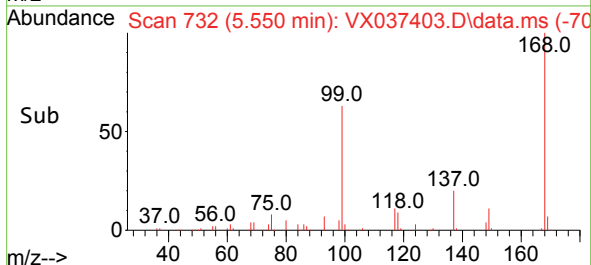
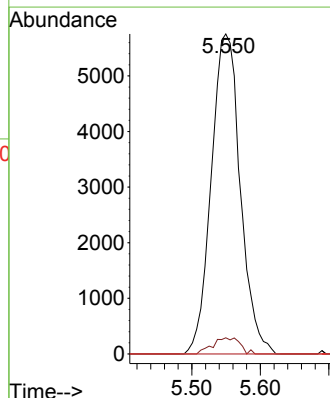
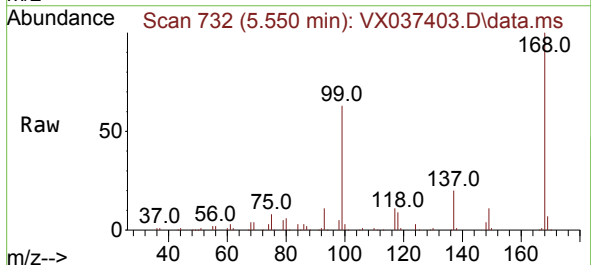
Instrument :
 MSVOA_X
 ClientSampleId :

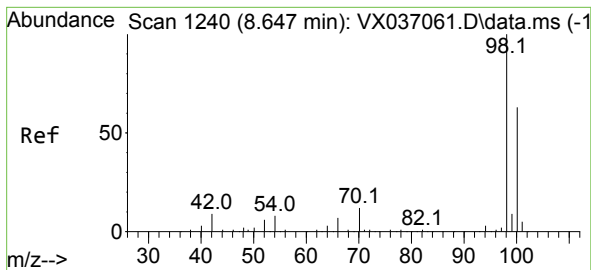
Tgt Ion: 75 Resp: 12436
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.457 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.122 min
 Lab File: VX037403.D
 Acq: 31 Aug 2023 03:50

Tgt Ion: 117 Resp: 16920
 Ion Ratio Lower Upper
 117 100
 119 5.0 78.2 117.2#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 49.049 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037403.D

Acq: 31 Aug 2023 03:50

Instrument :

MSVOA_X

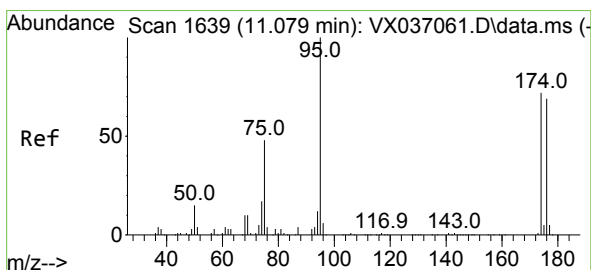
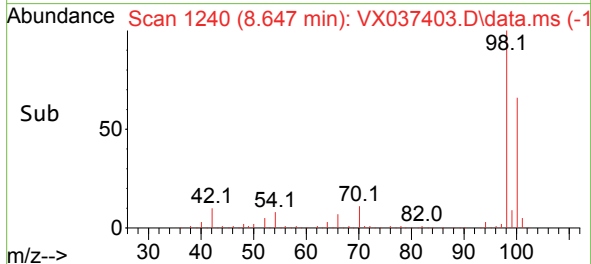
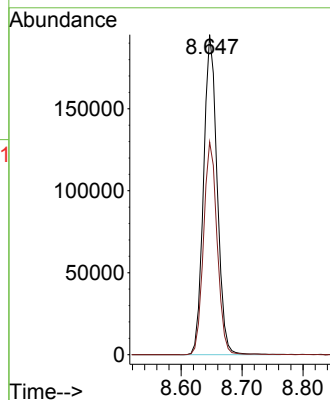
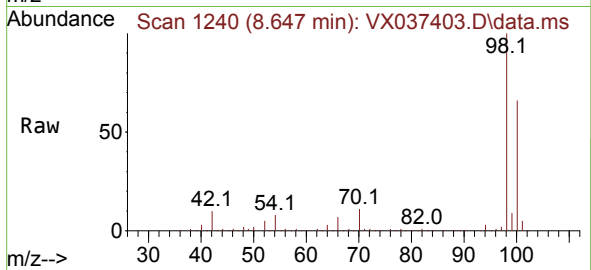
ClientSampleId :

Tgt Ion: 98 Resp: 302108

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.412 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037403.D

Acq: 31 Aug 2023 03:50

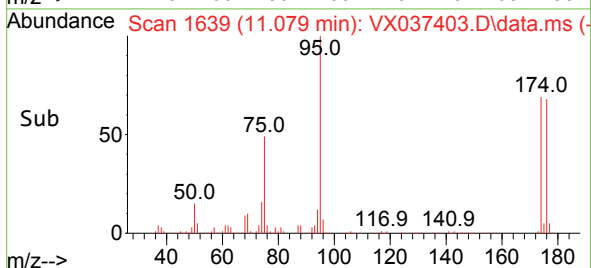
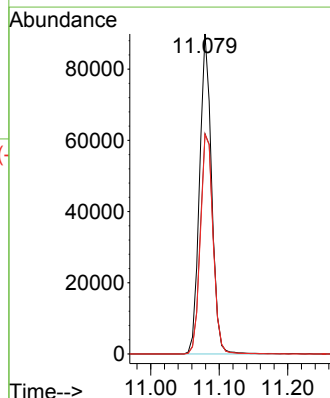
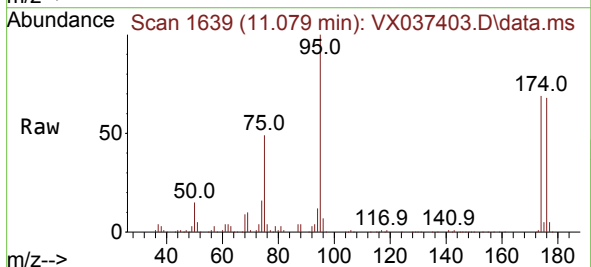
Tgt Ion: 95 Resp: 109919

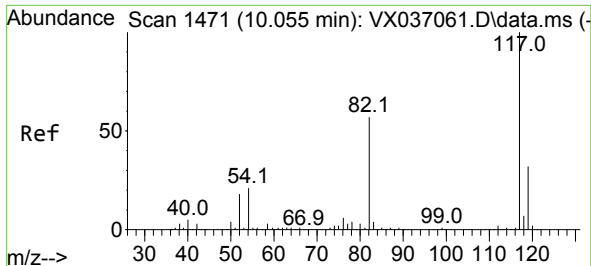
Ion Ratio Lower Upper

95 100

174 73.7 0.0 135.6

176 72.1 0.0 131.0

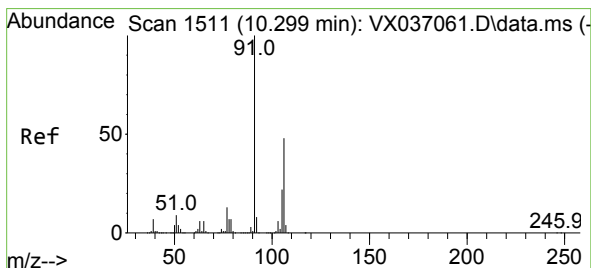
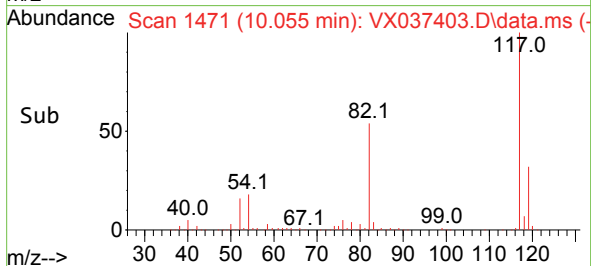
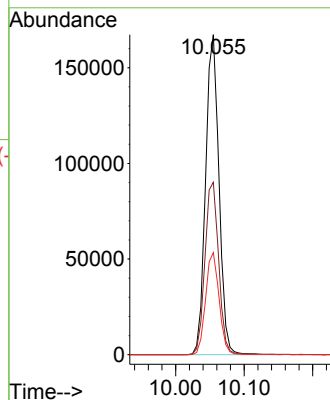
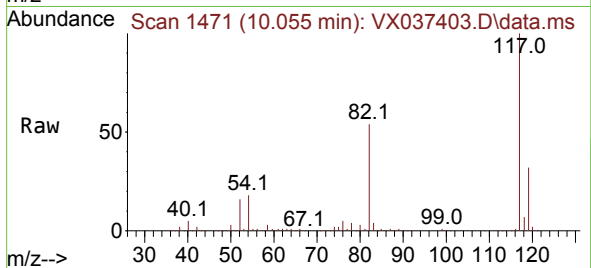




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

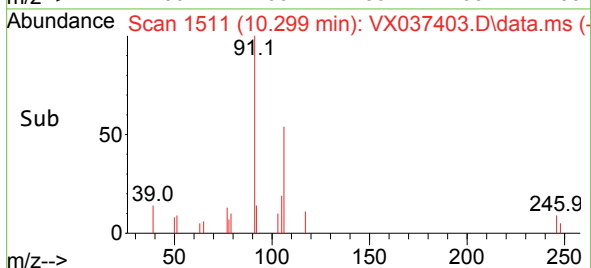
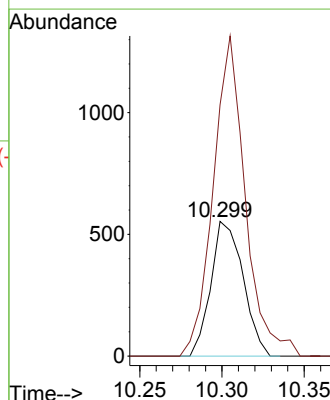
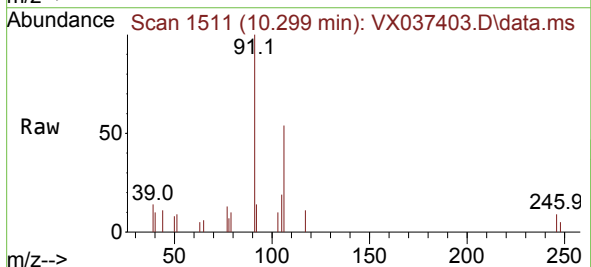
Instrument :
MSVOA_X
ClientSampleId :

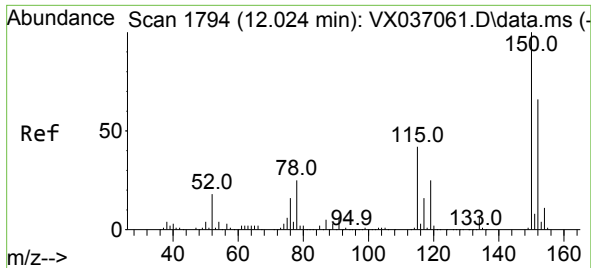
Tgt Ion:117 Resp: 227675
Ion Ratio Lower Upper
117 100
82 53.9 46.2 69.4
119 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 0.230 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

Tgt Ion:106 Resp: 752
Ion Ratio Lower Upper
106 100
91 237.1 165.5 248.3

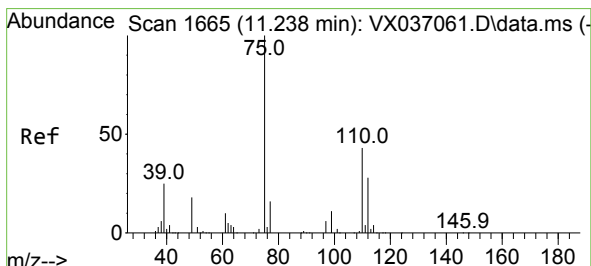
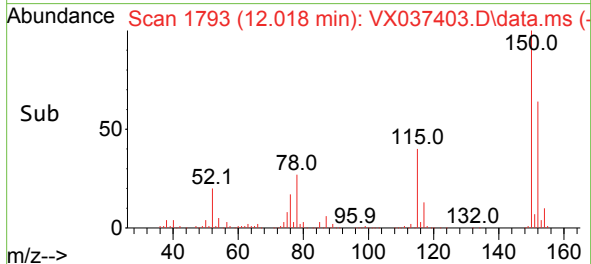
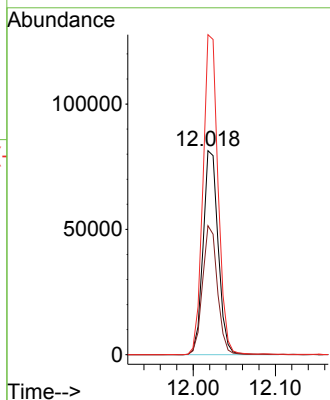
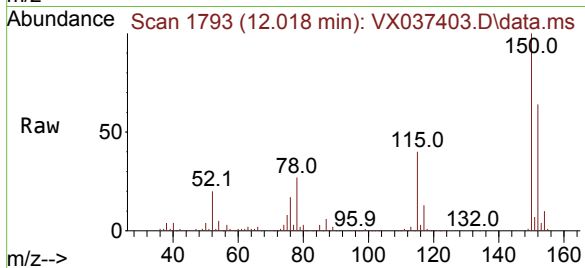




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX037403.D
 Acq: 31 Aug 2023 03:50

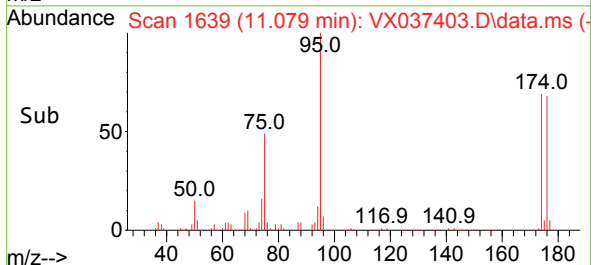
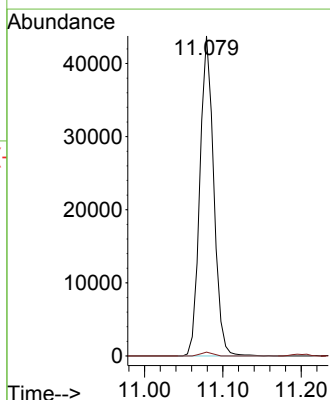
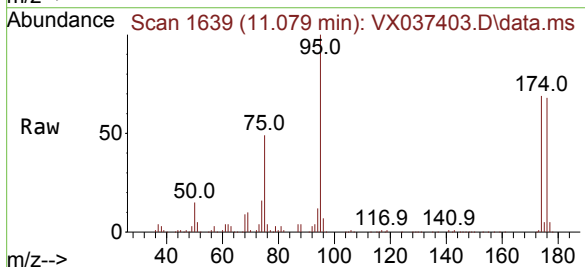
Instrument :
 MSVOA_X
 ClientSampleId :

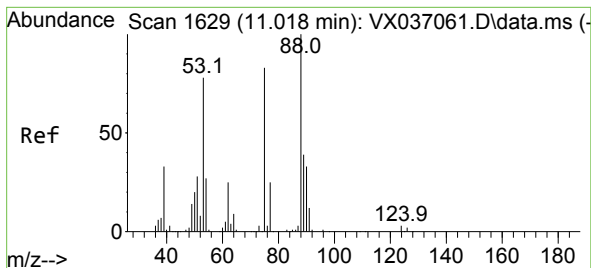
Tgt Ion:152 Resp: 103774
 Ion Ratio Lower Upper
 152 100
 115 62.5 43.3 129.9
 150 156.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.329 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037403.D
 Acq: 31 Aug 2023 03:50

Tgt Ion: 75 Resp: 53768
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

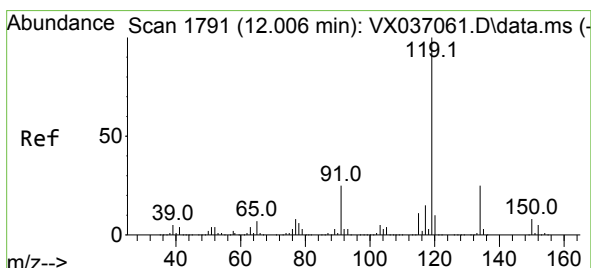
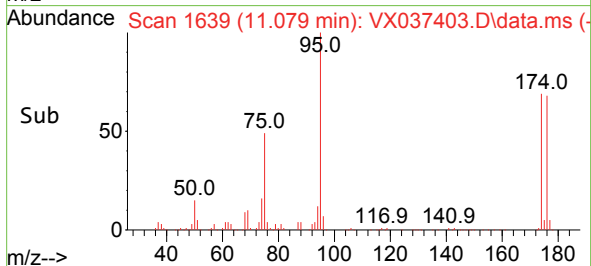
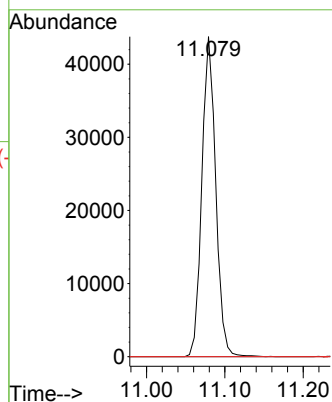
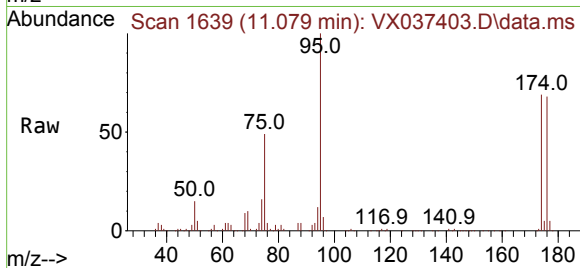




#81
trans-1,4-Dichloro-2-butene
Concen: 67.952 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

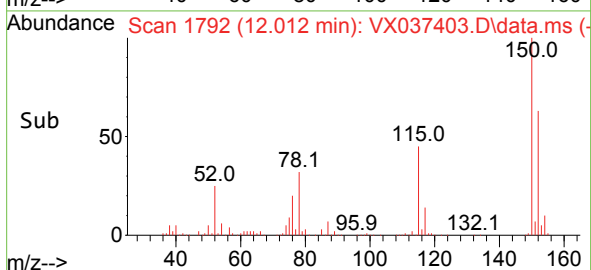
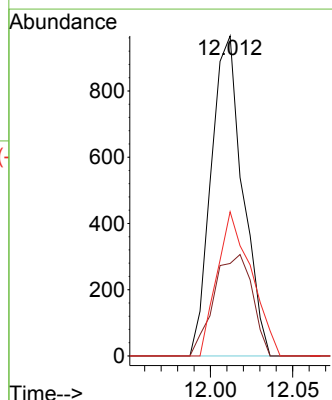
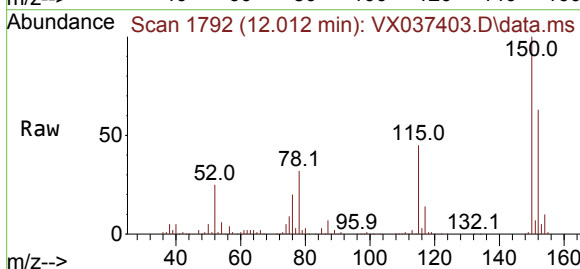
Instrument :
MSVOA_X
ClientSampleId :

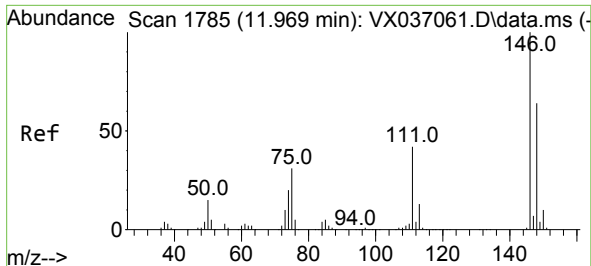
Tgt Ion: 75 Resp: 53768
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#86
p-Isopropyltoluene
Concen: 0.214 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX037403.D
Acq: 31 Aug 2023 03:50

Tgt Ion: 119 Resp: 1291
Ion Ratio Lower Upper
119 100
134 38.3 12.8 38.3#
91 48.7 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 0.237 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037403.D

Acq: 31 Aug 2023 03:50

Instrument :

MSVOA_X

ClientSampleId :

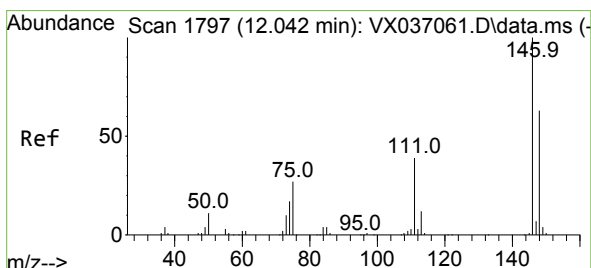
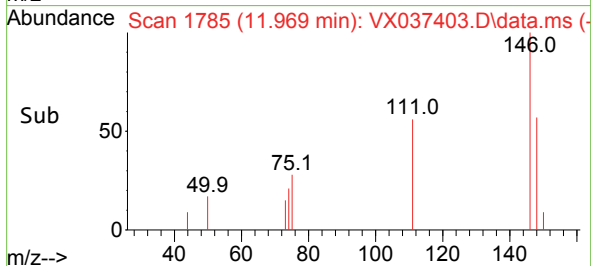
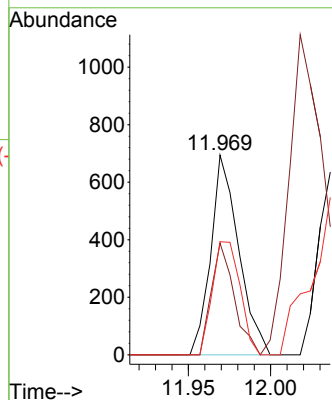
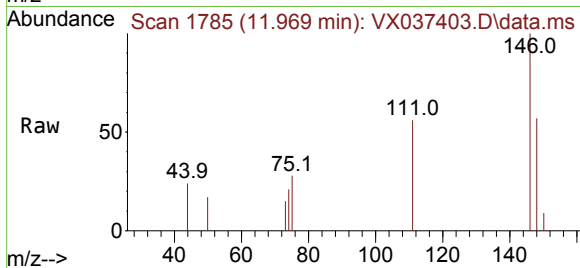
Tgt Ion:146 Resp: 818

Ion Ratio Lower Upper

146 100

111 46.0 22.1 66.1

148 56.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.230 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX037403.D

Acq: 31 Aug 2023 03:50

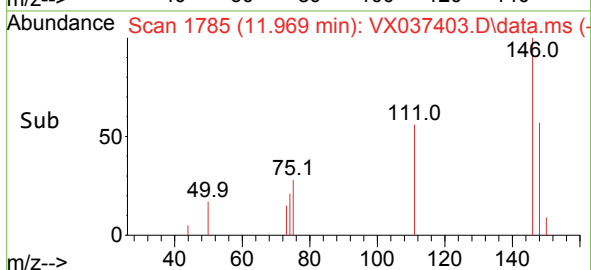
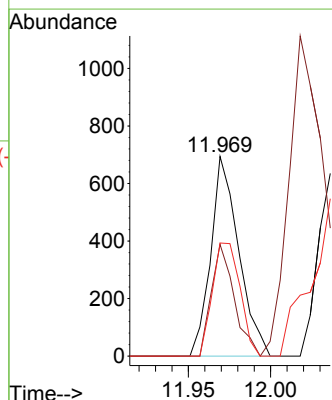
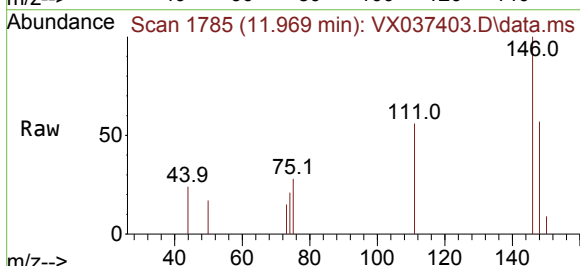
Tgt Ion:146 Resp: 818

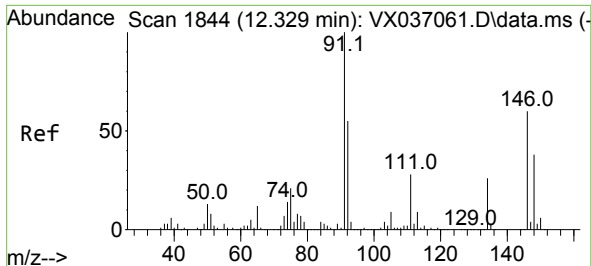
Ion Ratio Lower Upper

146 100

111 46.0 21.3 63.7

148 56.1 31.8 95.4





#89

n-Butylbenzene

Concen: 0.293 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX037403.D

Acq: 31 Aug 2023 03:50

Instrument :

MSVOA_X

ClientSampleId :

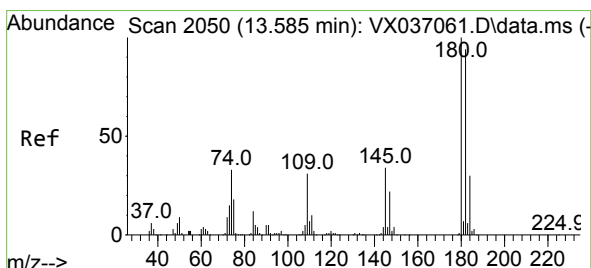
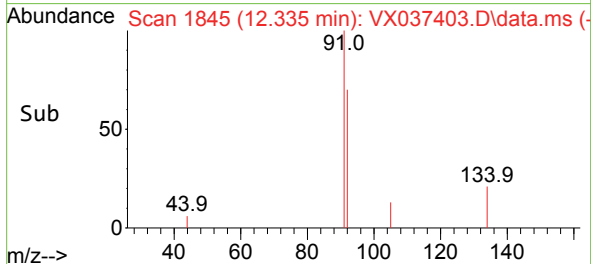
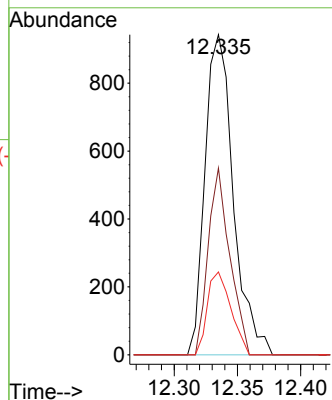
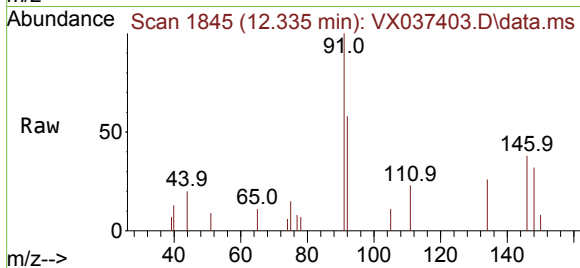
Tgt Ion: 91 Resp: 1468

Ion Ratio Lower Upper

91 100

92 44.6 27.4 82.0

134 21.5 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.391 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX037403.D

Acq: 31 Aug 2023 03:50

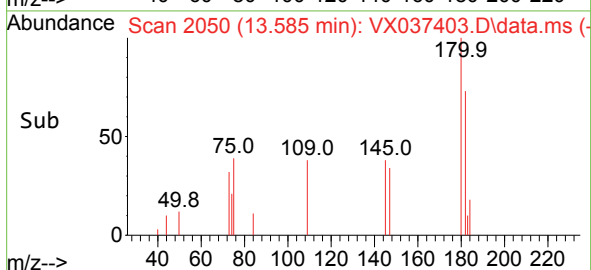
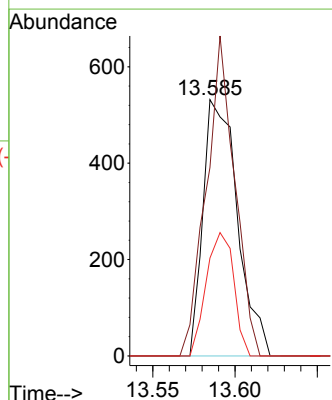
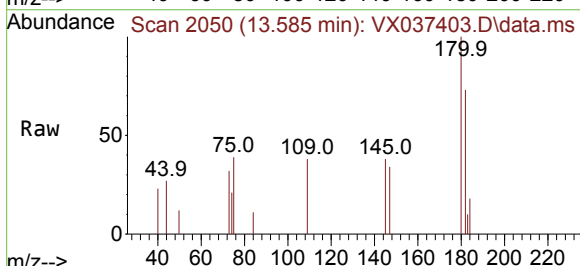
Tgt Ion: 180 Resp: 773

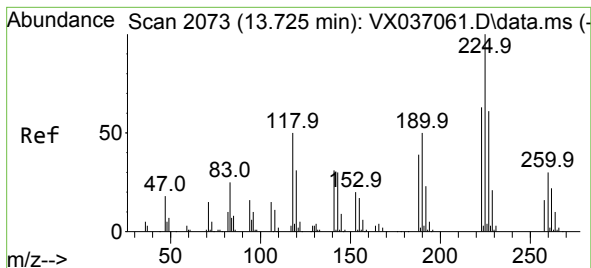
Ion Ratio Lower Upper

180 100

182 103.5 48.3 144.8

145 38.4 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.377 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037403.D

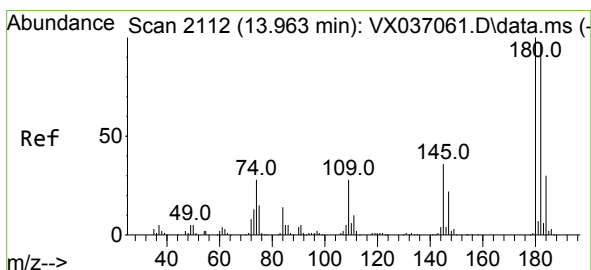
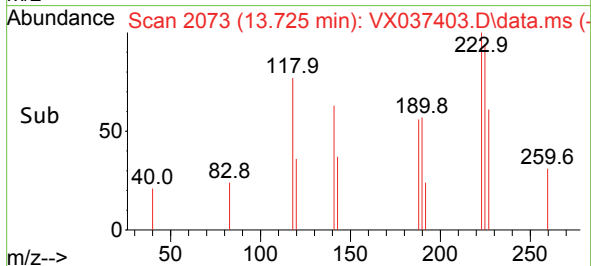
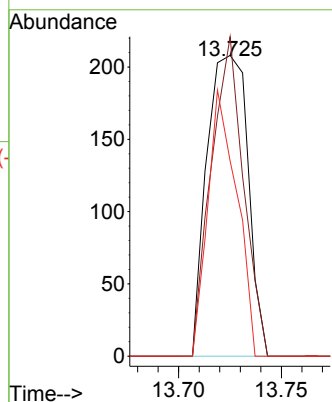
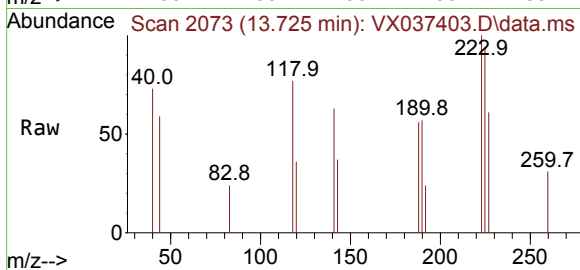
Acq: 31 Aug 2023 03:50

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:225	Resp:	288
Ion	Ratio	Lower Upper
225	100	
223	83.7	31.1 93.2
227	62.8	32.5 97.5



#96

1,2,3-Trichlorobenzene

Concen: 0.387 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037403.D

Acq: 31 Aug 2023 03:50

Tgt Ion:180	Resp:	760
Ion	Ratio	Lower Upper
180	100	
182	101.2	46.9 140.6
145	36.4	17.8 53.5

