

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037507.D
 Acq On : 05 Sep 2023 13:06
 Operator : JC/MD
 Sample : 04269-04DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-083123DL

Quant Time: Sep 06 02:53:17 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)

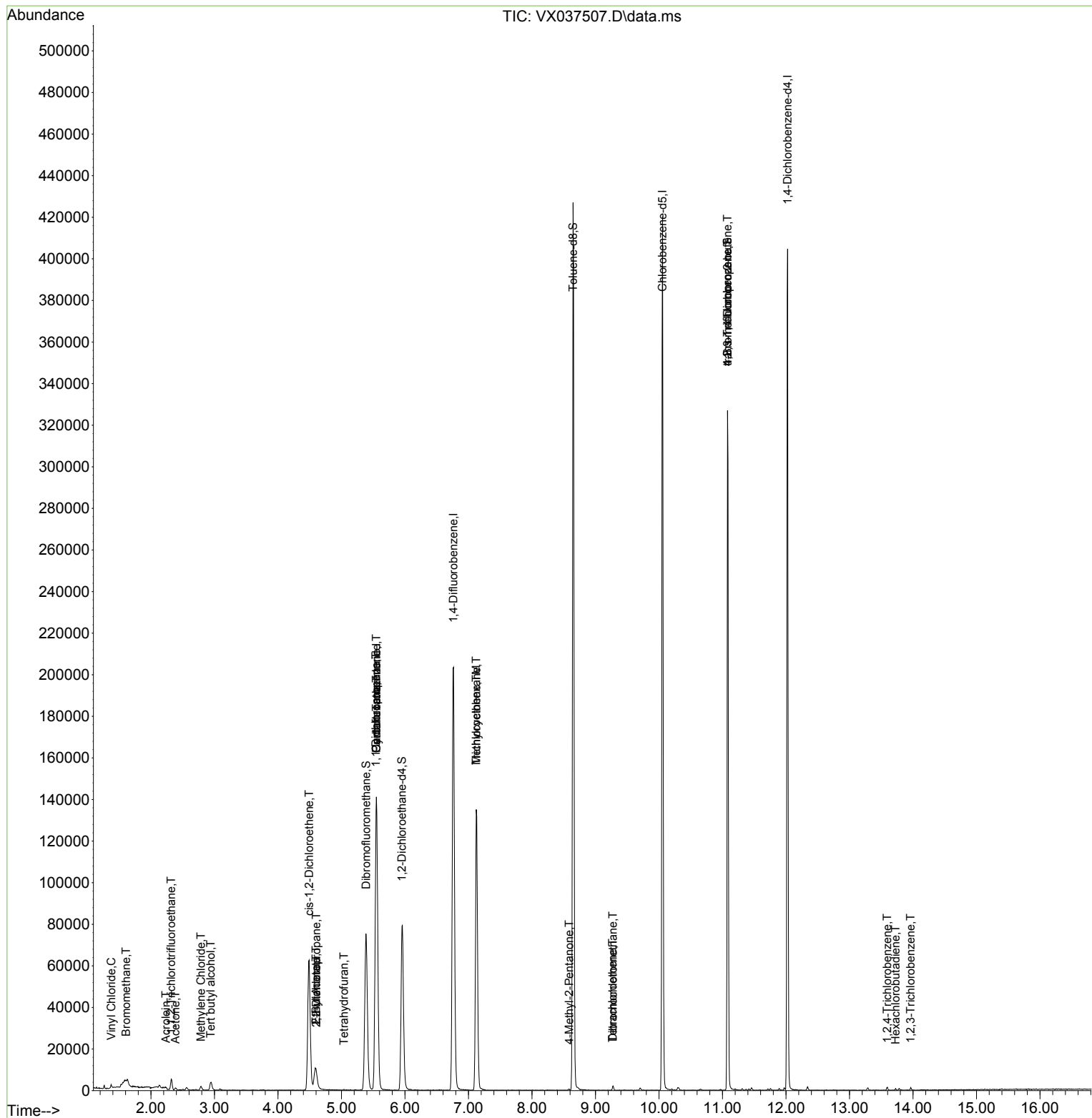
Internal Standards						
1) Pentafluorobenzene	5.550	168	135337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222726	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79021	40.500	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	81.000%		
35) Dibromofluoromethane	5.385	113	68694	46.570	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.140%		
50) Toluene-d8	8.647	98	259958	48.585	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.160%		
62) 4-Bromofluorobenzene	11.079	95	94006	44.707	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.420%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	1244	0.831	ug/l	89
5) Bromomethane	1.605	94	218	0.292	ug/l #	47
9) 1,1,2-Trichlorotrifluo...	2.319	101	1943	1.358	ug/l	91
11) Tert butyl alcohol	2.941	59	2758	6.026	ug/l #	78
13) Acrolein	2.233	56	136	0.391	ug/l #	20
16) Acetone	2.386	43	1125	1.474	ug/l #	89
20) Methylene Chloride	2.788	84	1034	0.606	ug/l #	82
25) 2-Butanone	4.599	43	922	0.802	ug/l #	51
26) 2,2-Dichloropropane	4.605	77	919	0.371	ug/l #	54
27) cis-1,2-Dichloroethene	4.489	96	43231	23.155	ug/l	78
29) Tetrahydrofuran	5.038	42	173	0.236	ug/l #	45
31) Cyclohexane	5.550	56	2508	1.143	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10463	4.993	ug/l #	51
37) Ethyl Acetate	4.599	43	922	0.431	ug/l #	69
38) Carbon Tetrachloride	5.550	117	13885	6.099	ug/l #	15
39) Methylcyclohexane	7.123	83	729	0.331	ug/l #	1
44) Trichloroethene	7.123	130	55399	32.506	ug/l	98
51) 4-Methyl-2-Pentanone	8.586	43	432	0.209	ug/l	97
60) Dibromochloromethane	9.275	129	393	0.228	ug/l #	11
64) Tetrachloroethene	9.269	164	344	0.236	ug/l #	74
76) 1,2,3-Trichloropropane	11.079	75	46251	24.881	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46251	69.494	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	531	0.319	ug/l	92
94) Hexachlorobutadiene	13.725	225	190	0.296	ug/l	81
96) 1,2,3-Trichlorobenzene	13.963	180	410	0.248	ug/l	93

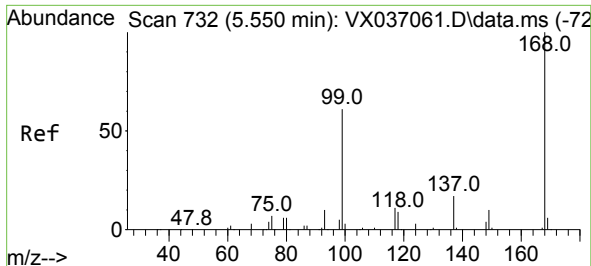
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 06 02:53:17 2023
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Quant Title : SW846 8260
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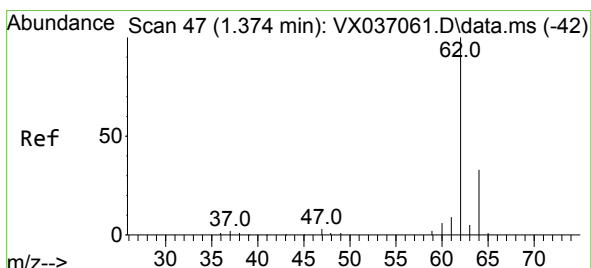
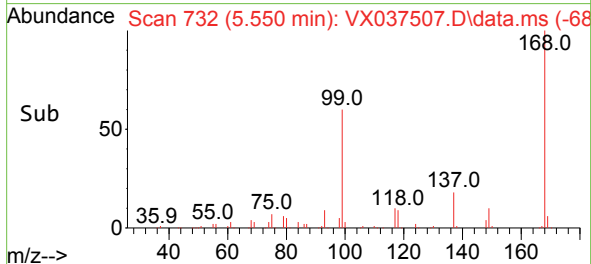
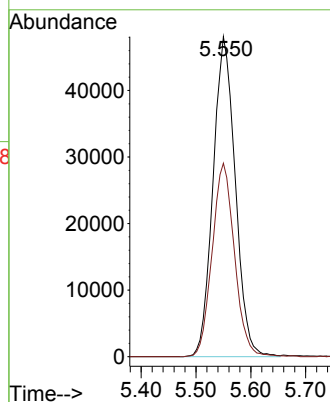
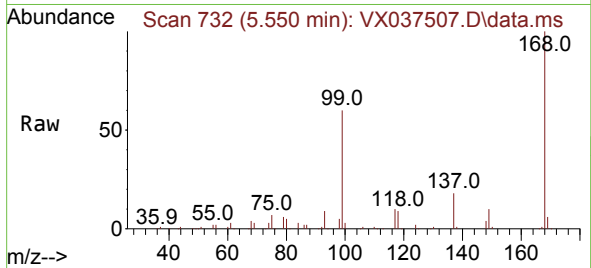




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

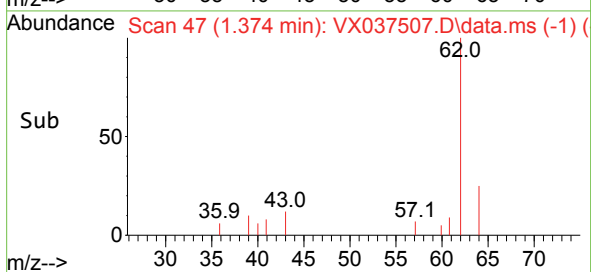
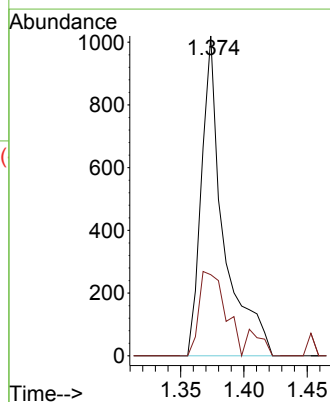
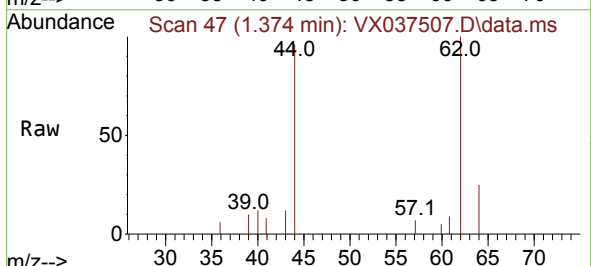
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

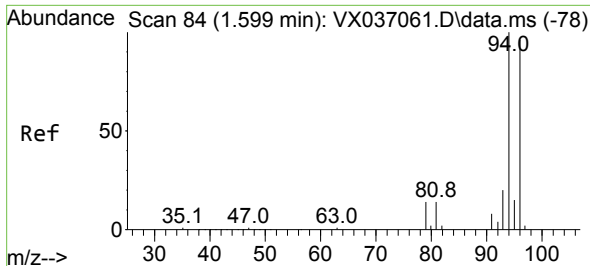
Tgt Ion:168 Resp: 135337
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#4
Vinyl Chloride
Concen: 0.831 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion: 62 Resp: 1244
Ion Ratio Lower Upper
62 100
64 25.4 25.4 38.0

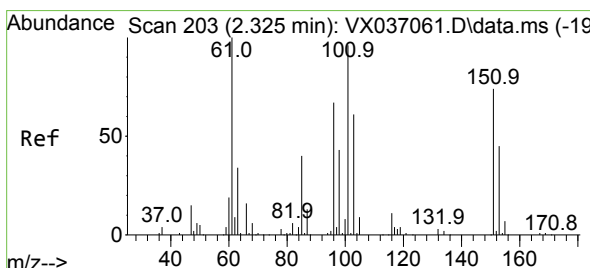
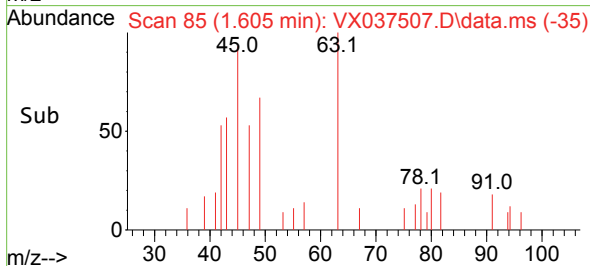
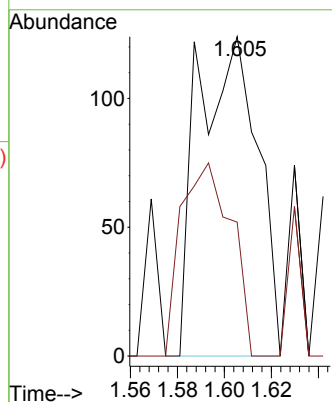
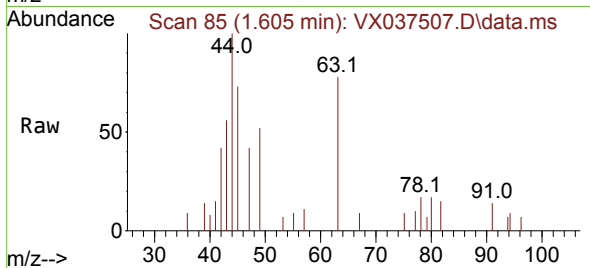




#5
Bromomethane
Concen: 0.292 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

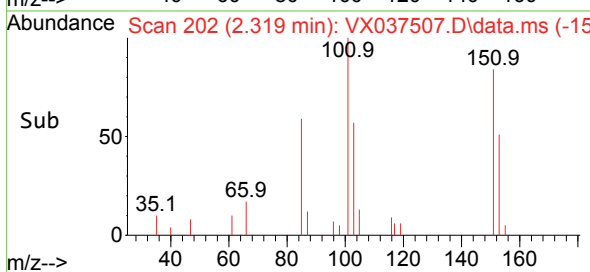
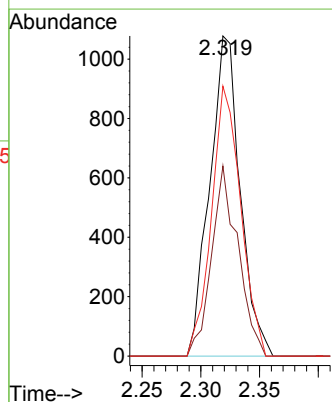
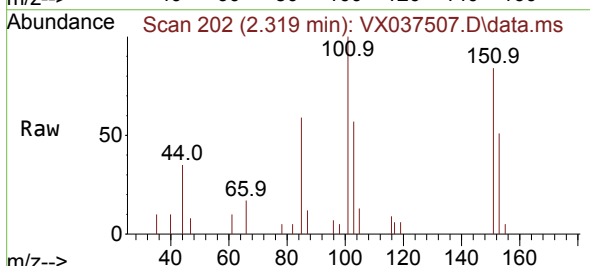
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

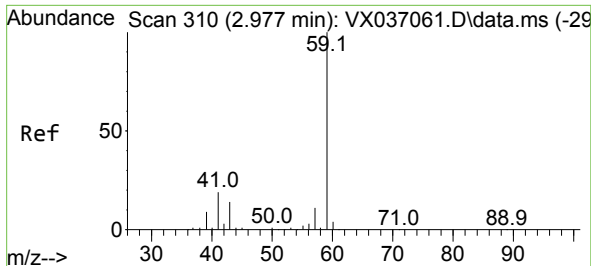
Tgt Ion: 94 Resp: 218
Ion Ratio Lower Upper
94 100
96 41.9 74.6 111.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.358 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion: 101 Resp: 1943
Ion Ratio Lower Upper
101 100
85 51.7 37.0 55.6
151 81.0 58.6 87.8

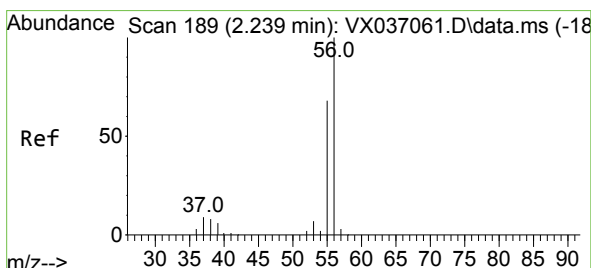
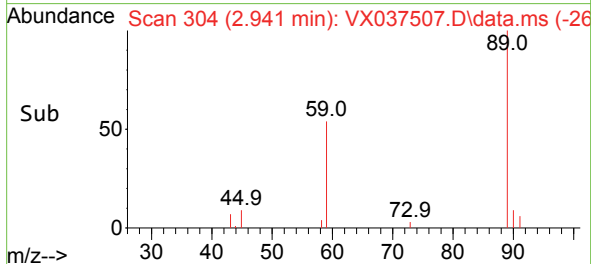
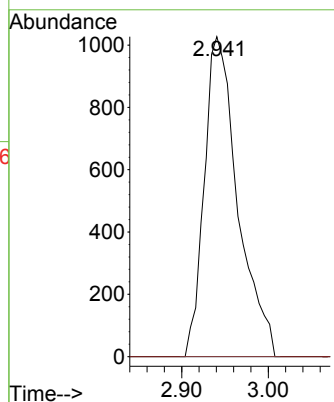
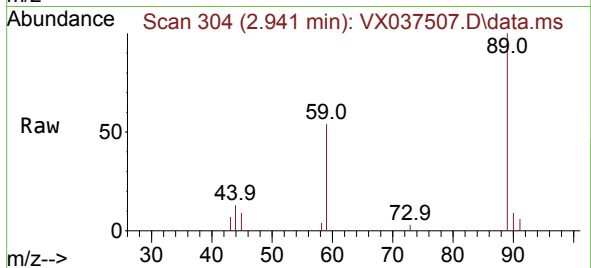




#11
Tert butyl alcohol
Concen: 6.026 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.036 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

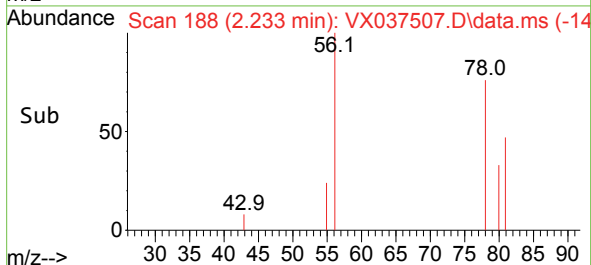
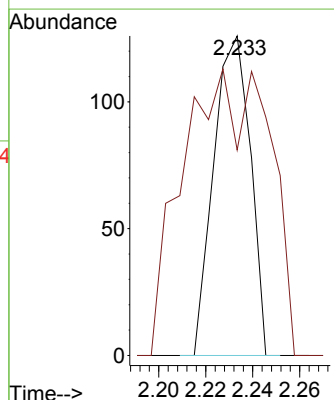
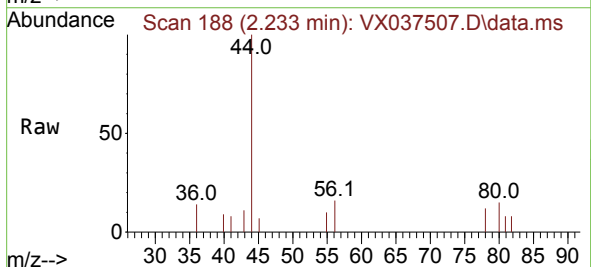
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

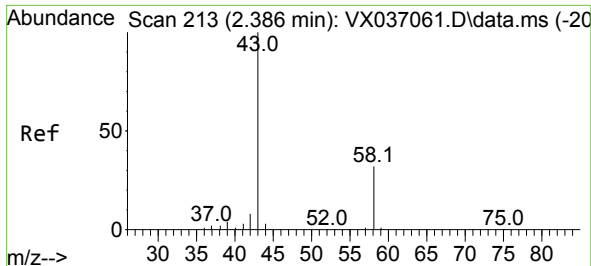
Tgt Ion: 59 Resp: 2758
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.391 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 137.5 57.1 85.7#





#16

Acetone

Concen: 1.474 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX037507.D

Acq: 05 Sep 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

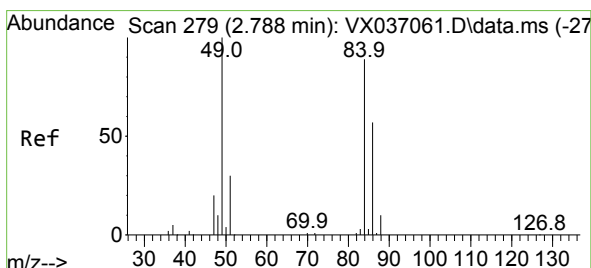
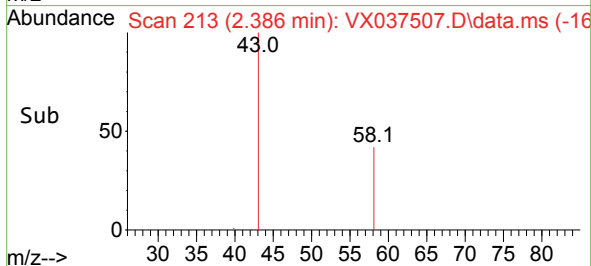
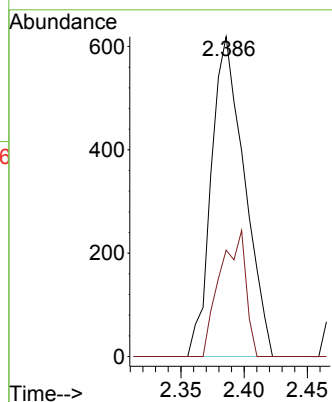
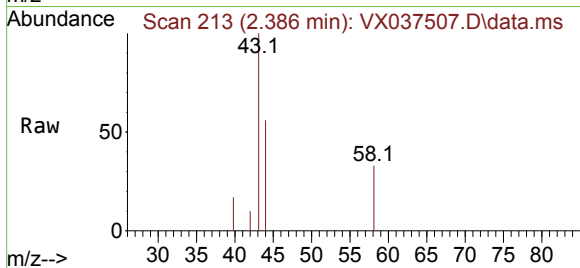
MW-11A-13.5-083123DL

Tgt Ion: 43 Resp: 1125

Ion Ratio Lower Upper

43 100

58 33.3 21.9 32.9#



#20

Methylene Chloride

Concen: 0.606 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037507.D

Acq: 05 Sep 2023 13:06

Tgt Ion: 84 Resp: 1034

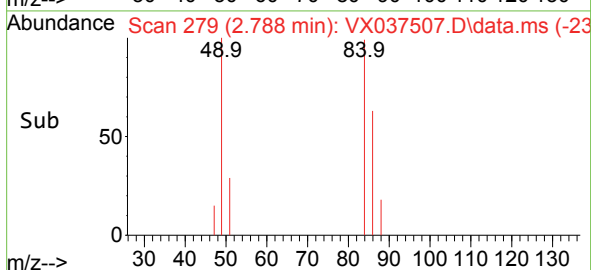
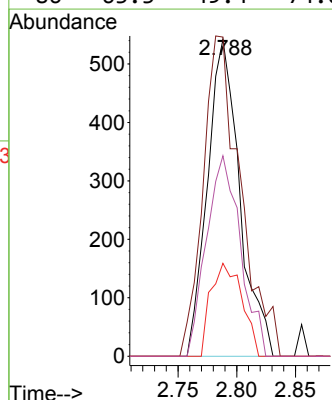
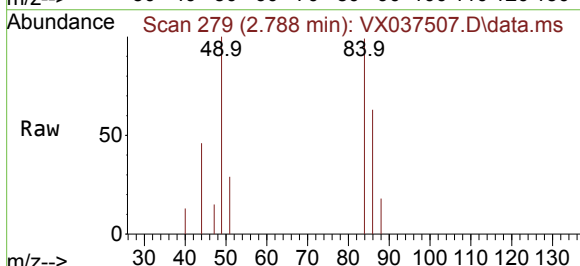
Ion Ratio Lower Upper

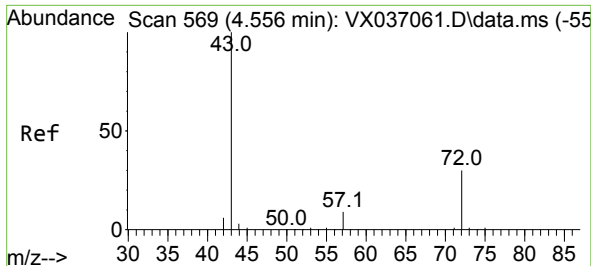
84 100

49 100.7 103.6 155.4#

51 29.3 33.8 50.6#

86 63.3 49.4 74.0

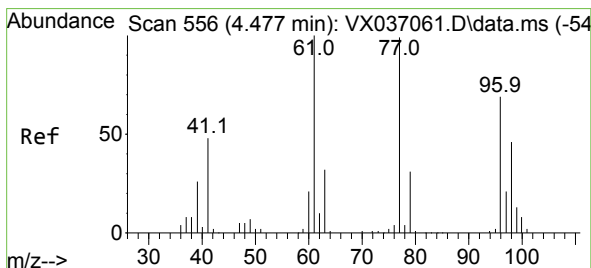
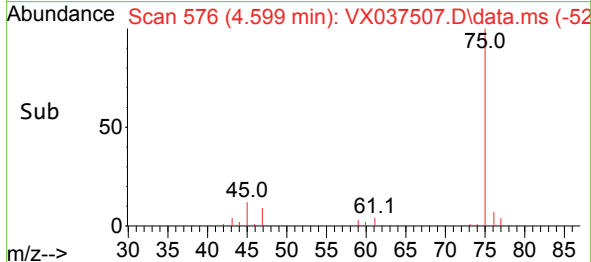
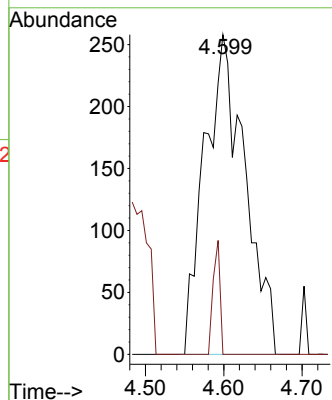
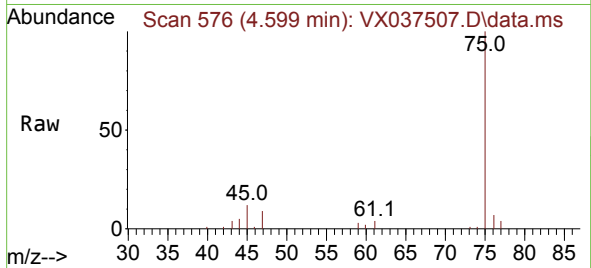




#25
2-Butanone
Concen: 0.802 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

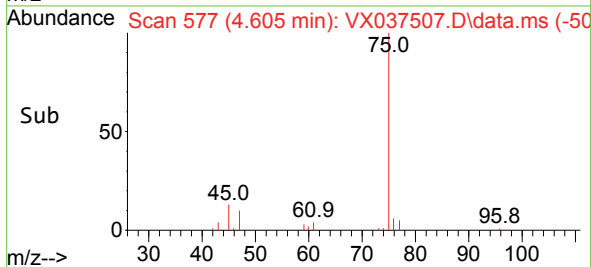
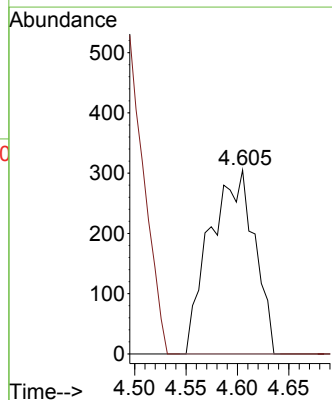
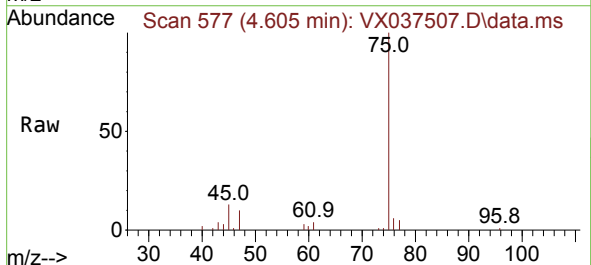
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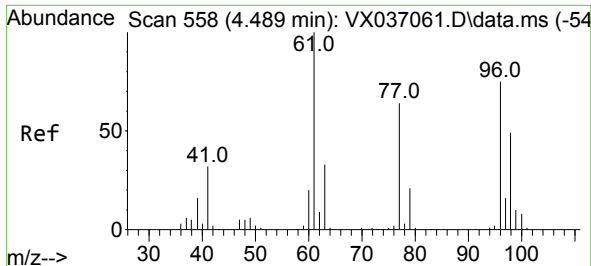
Tgt Ion: 43 Resp: 922
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.371 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.128 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion: 77 Resp: 919
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 23.155 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX037507.D

Acq: 05 Sep 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-13.5-083123DL

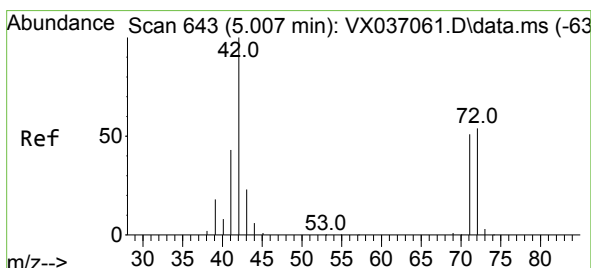
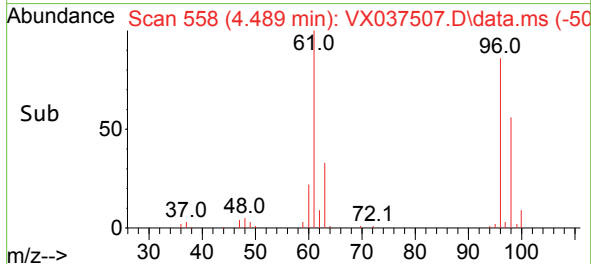
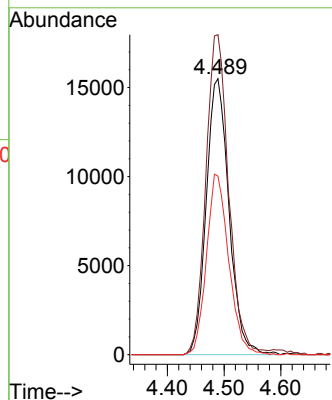
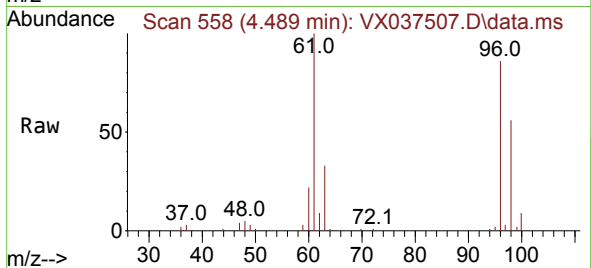
Tgt Ion: 96 Resp: 43231

Ion Ratio Lower Upper

96 100

61 116.6 0.0 312.2

98 63.9 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.031 min

Lab File: VX037507.D

Acq: 05 Sep 2023 13:06

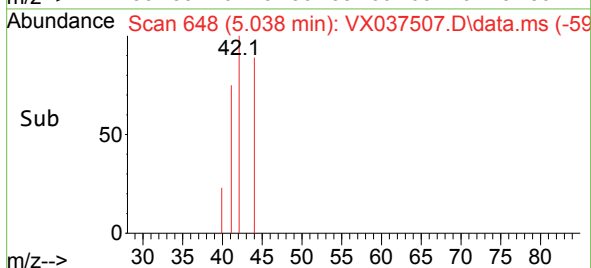
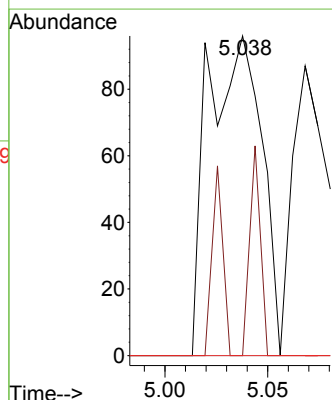
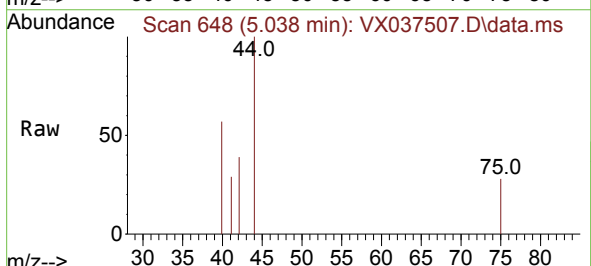
Tgt Ion: 42 Resp: 173

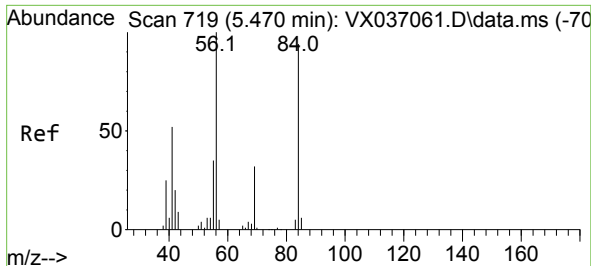
Ion Ratio Lower Upper

42 100

72 13.3 34.2 51.4#

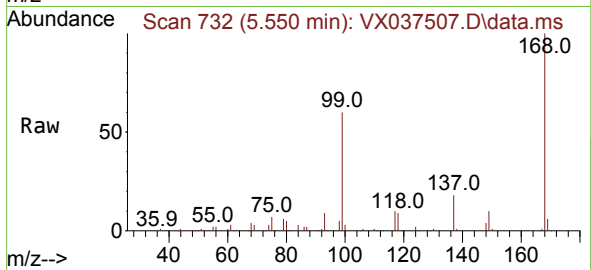
71 0.0 32.2 48.2#



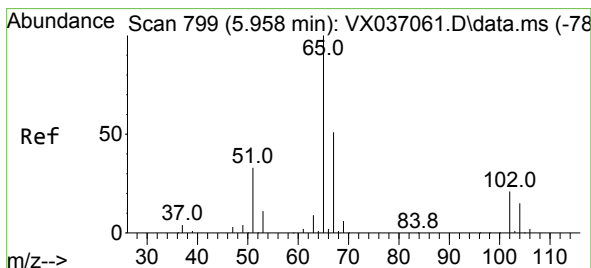
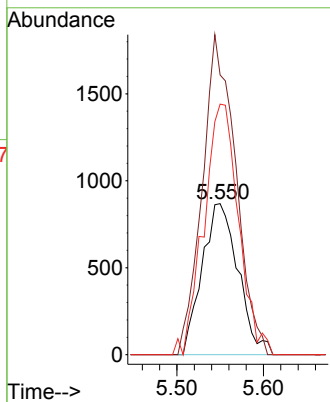
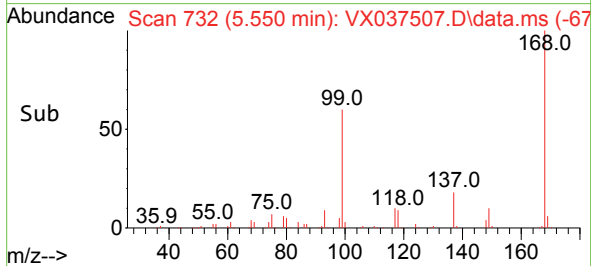


#31
Cyclohexane
Concen: 1.143 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Instrument :
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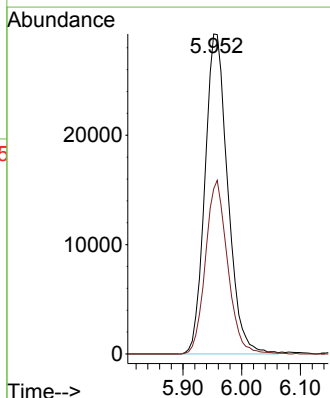
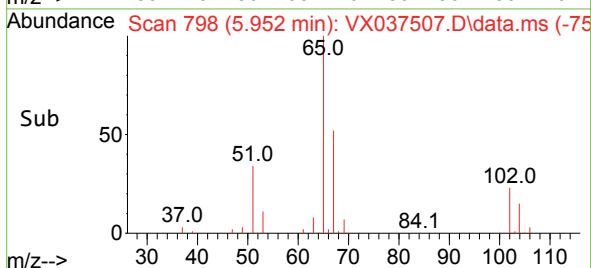
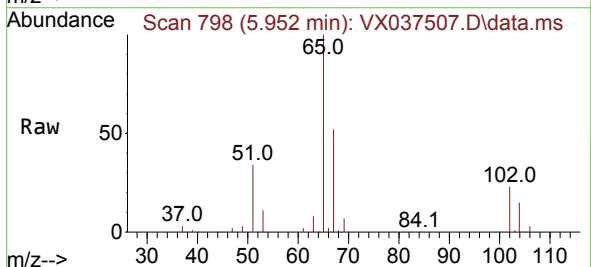


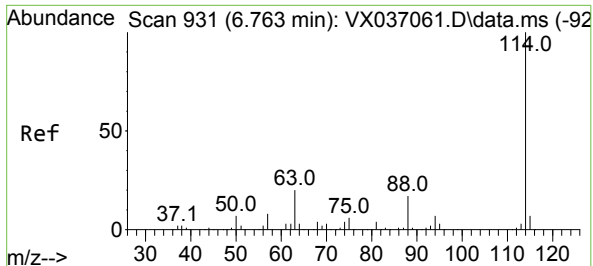
Tgt Ion: 56 Resp: 2508
Ion Ratio Lower Upper
56 100
69 185.0 23.4 35.2#
84 165.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 40.500 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion: 65 Resp: 79021
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2

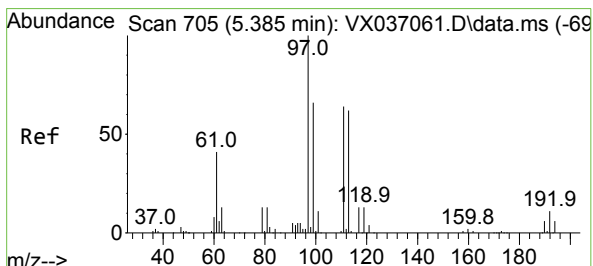
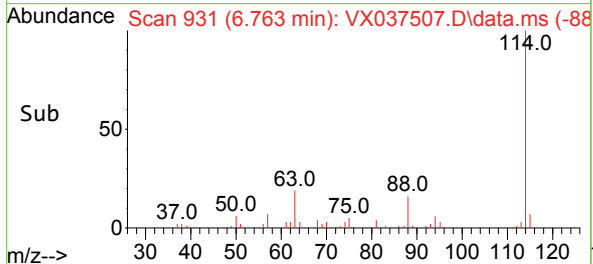
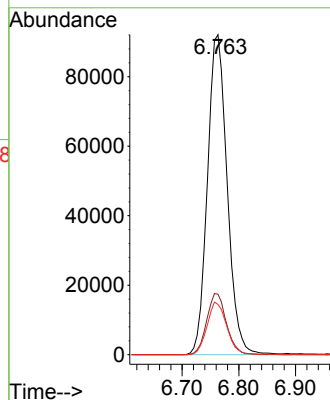
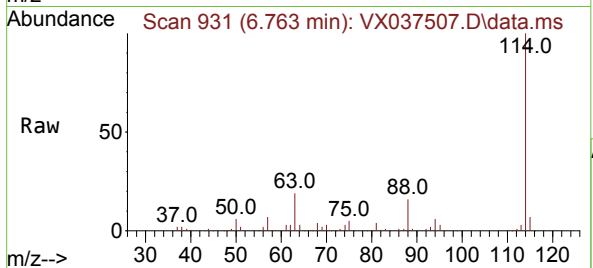




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

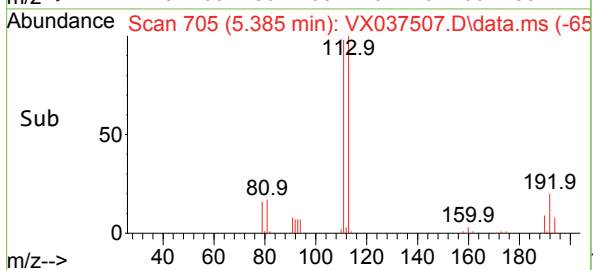
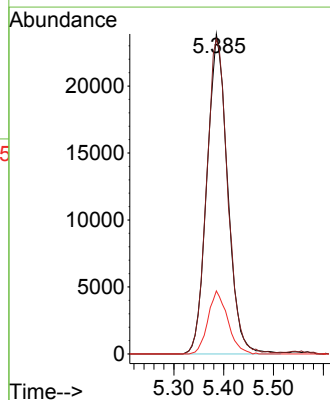
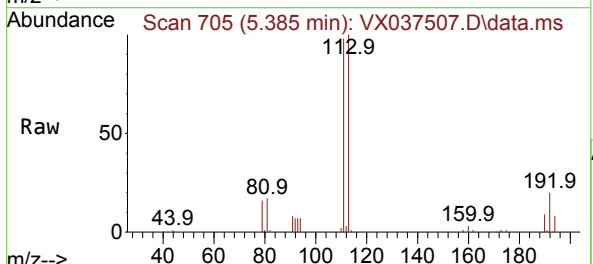
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

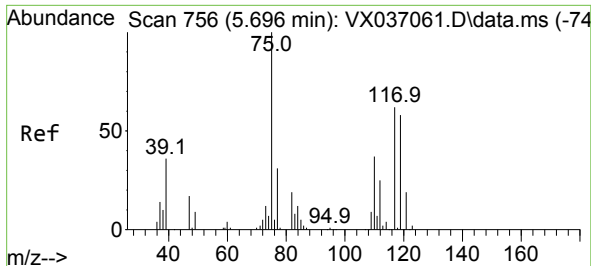
Tgt Ion:114 Resp: 222726
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.570 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion:113 Resp: 68694
Ion Ratio Lower Upper
113 100
111 100.6 82.9 124.3
192 18.8 13.3 19.9

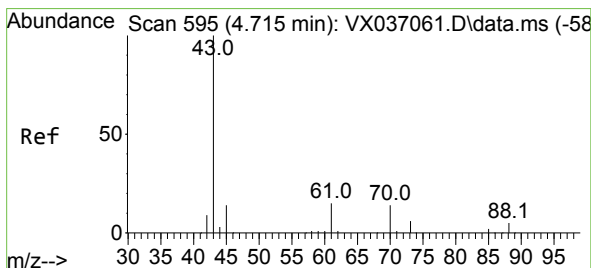
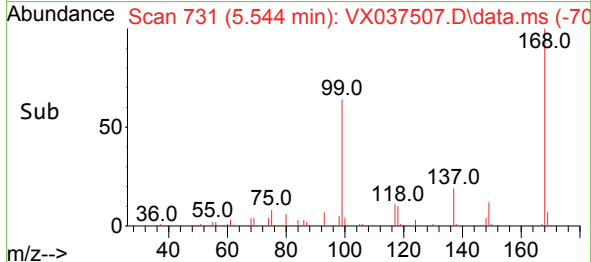
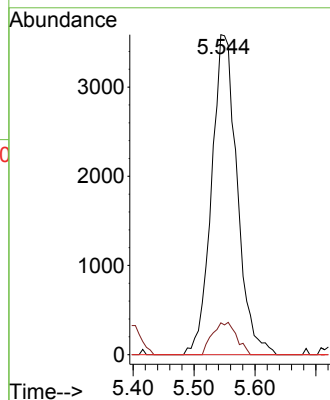
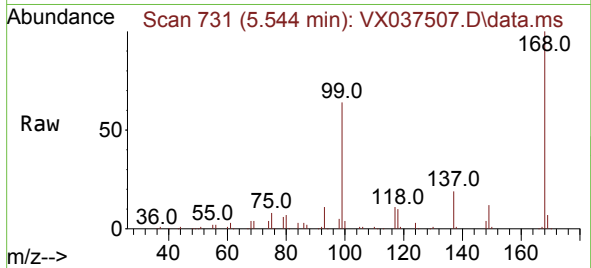




#36
1,1-Dichloropropene
Concen: 4.993 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

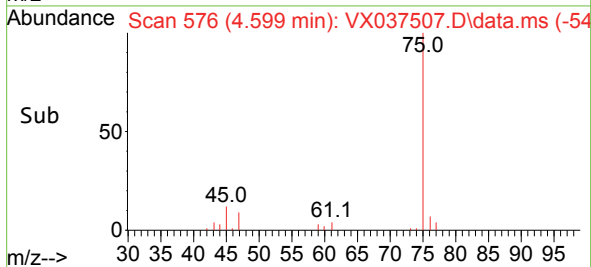
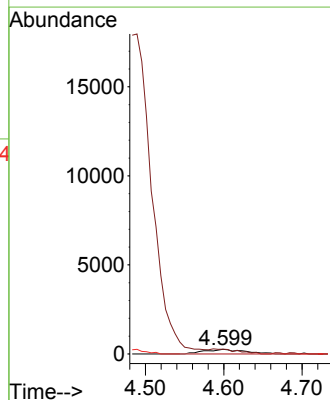
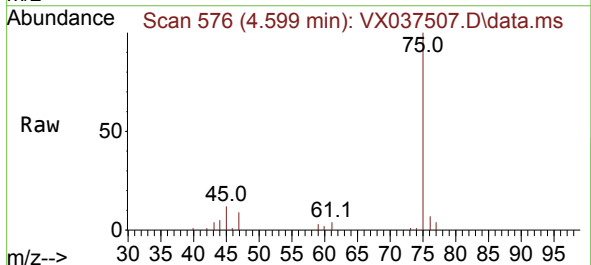
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

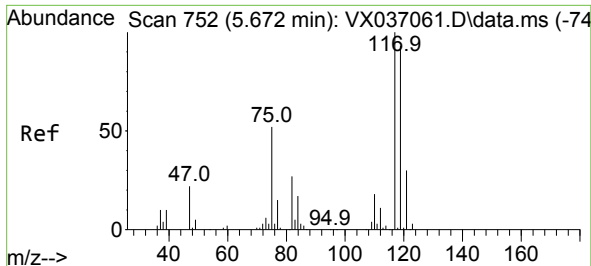
Tgt Ion: 75 Resp: 10463
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.431 ug/l
RT: 4.599 min Scan# 576
Delta R.T. -0.116 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

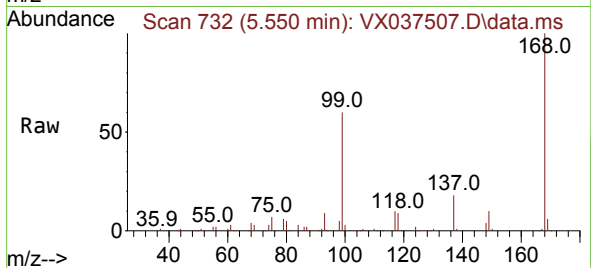
Tgt Ion: 43 Resp: 922
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



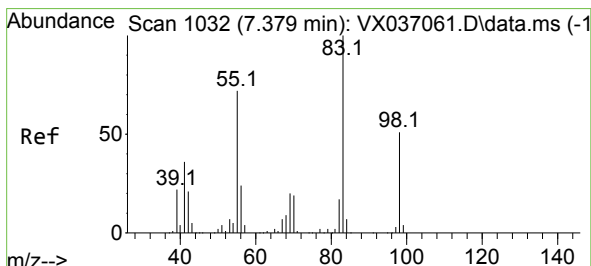
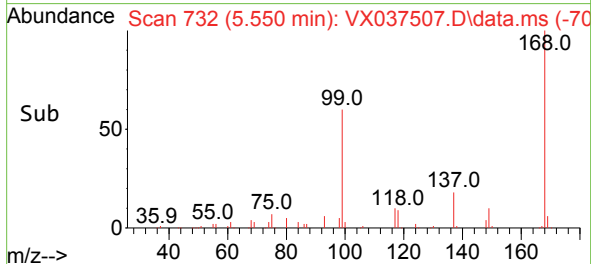
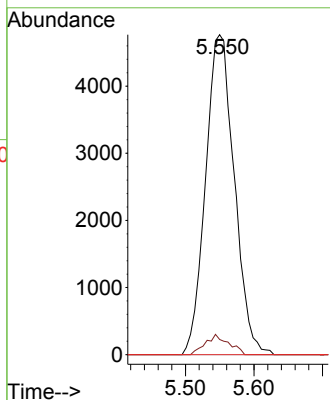


#38
Carbon Tetrachloride
Concen: 6.099 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

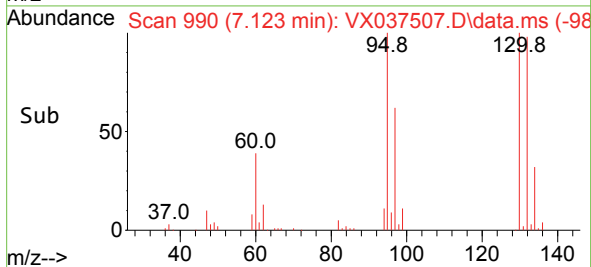
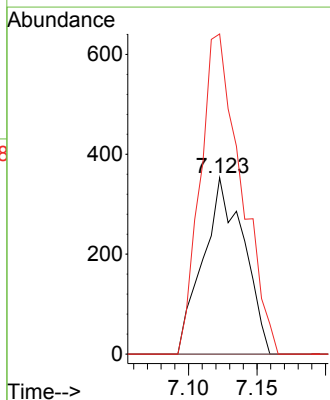
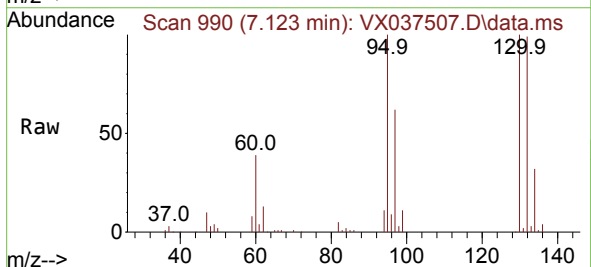


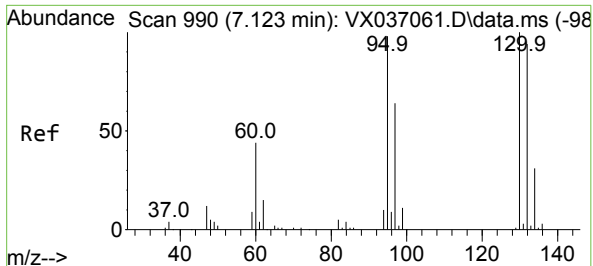
Tgt Ion:117 Resp: 13885
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.331 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion: 83 Resp: 729
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 181.6 36.7 55.1#

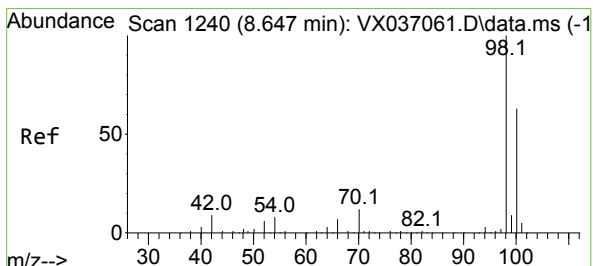
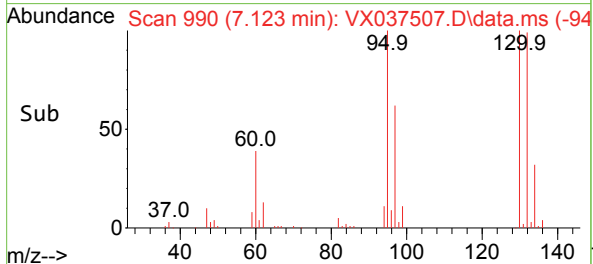
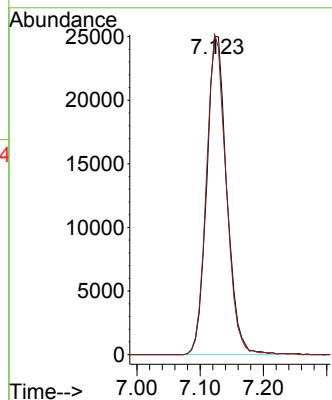
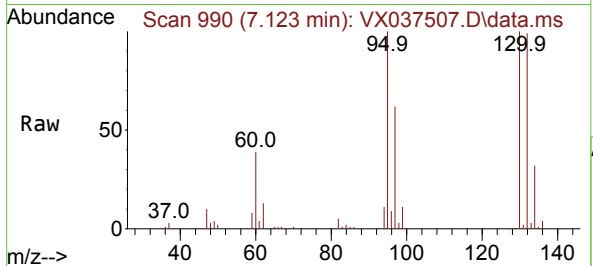




#44
Trichloroethene
Concen: 32.506 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

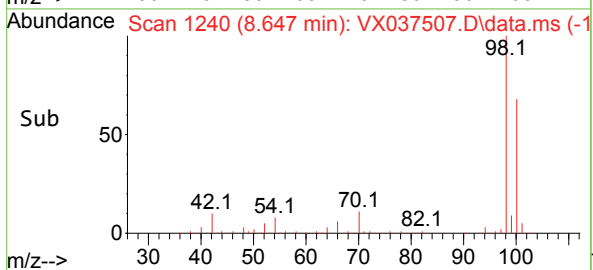
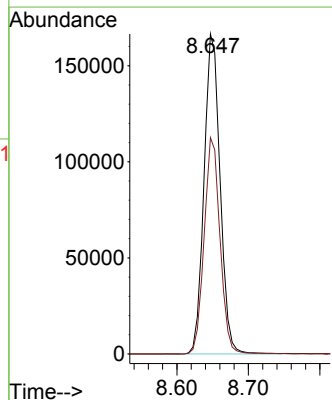
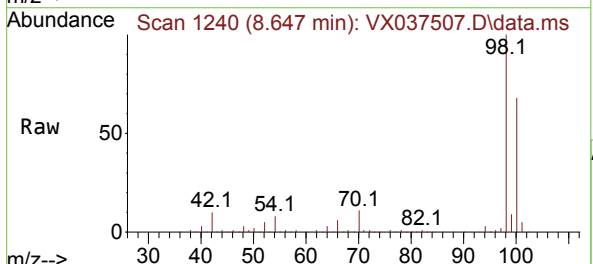
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

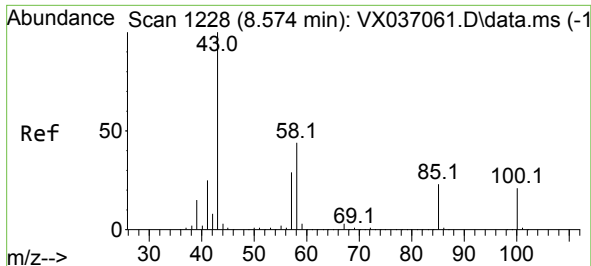
Tgt Ion:130 Resp: 55399
Ion Ratio Lower Upper
130 100
95 100.4 0.0 204.4



#50
Toluene-d8
Concen: 48.585 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion: 98 Resp: 259958
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7

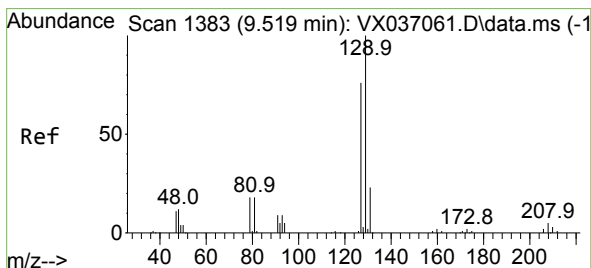
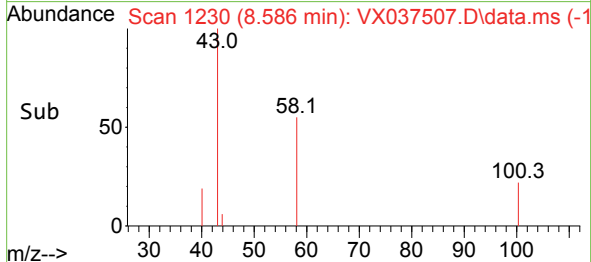
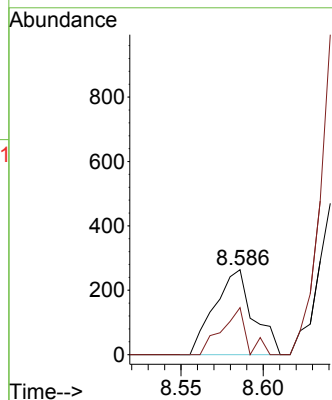
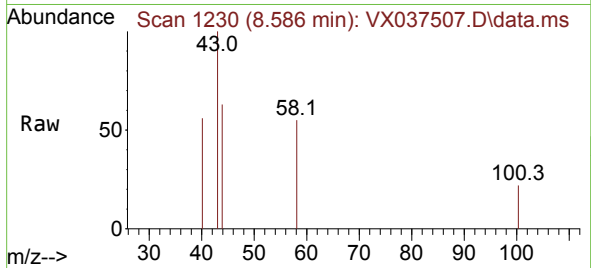




#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

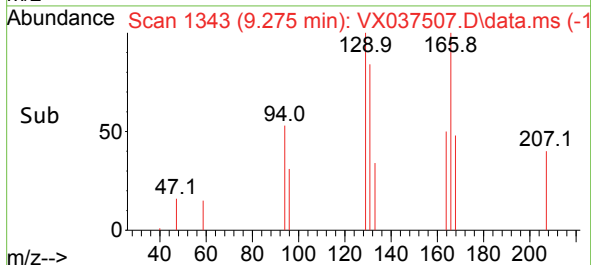
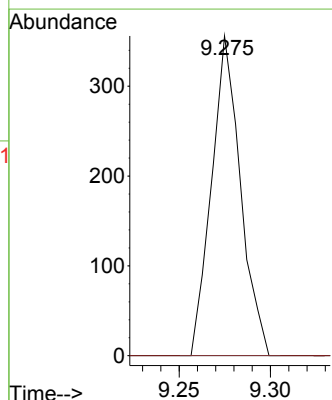
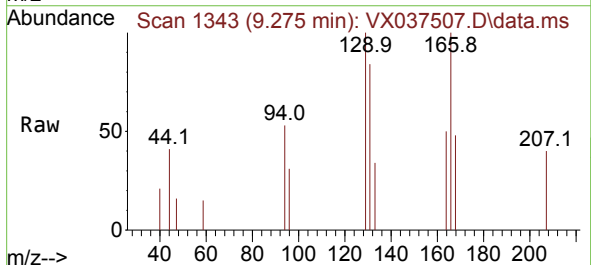
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

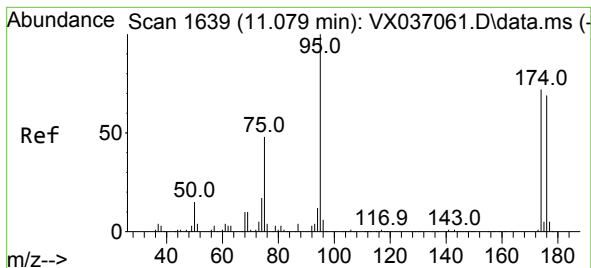
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 36.3 30.4 45.6



#60
Dibromochloromethane
Concen: 0.228 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion: 129 Resp: 393
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

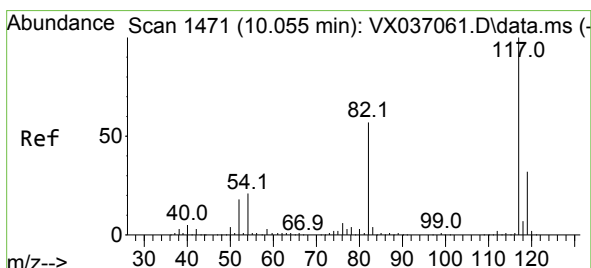
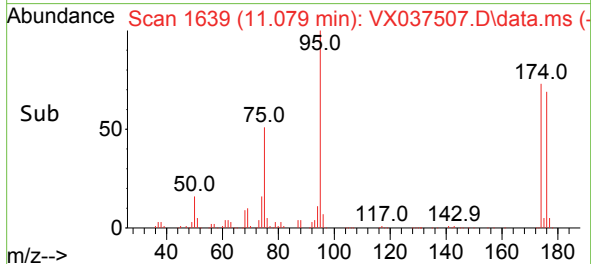
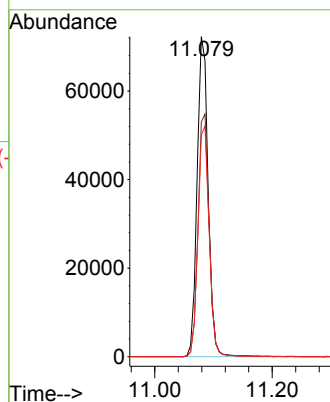
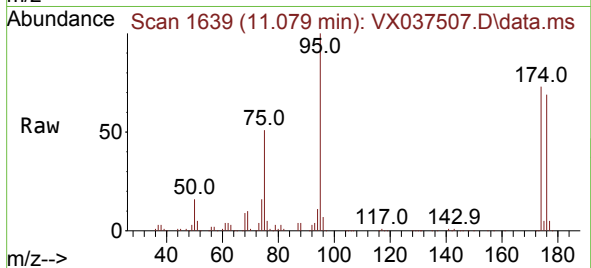




#62
4-Bromofluorobenzene
Concen: 44.707 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

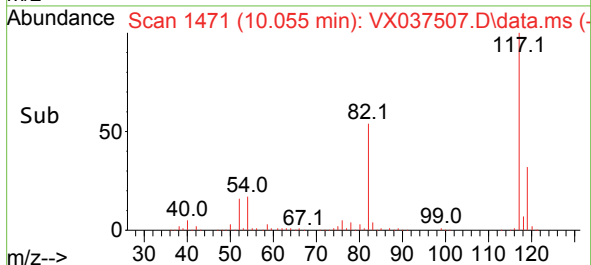
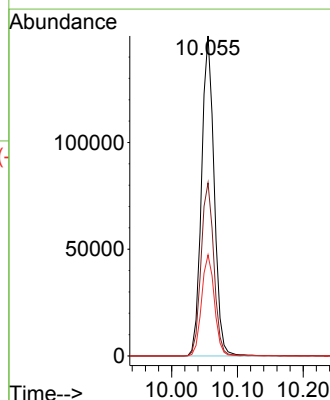
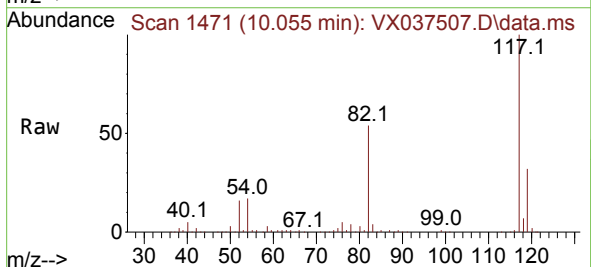
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

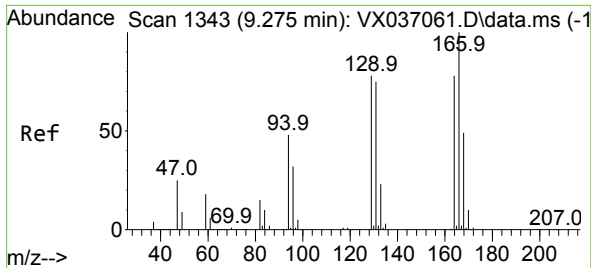
Tgt Ion: 95 Resp: 94006
Ion Ratio Lower Upper
95 100
174 76.5 0.0 135.6
176 73.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion: 117 Resp: 200207
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 31.6 25.5 38.3

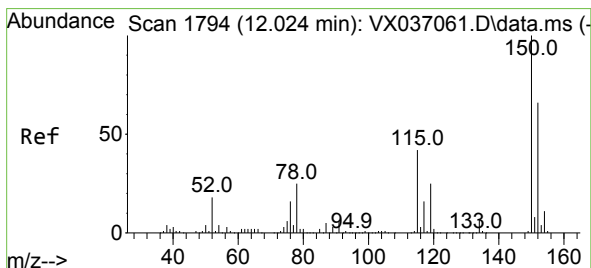
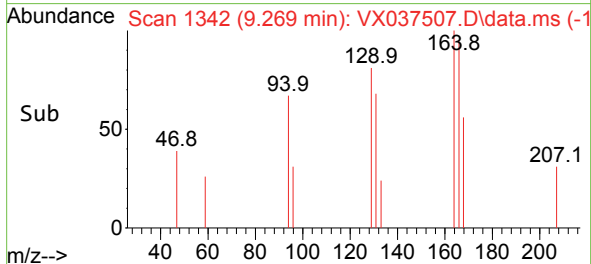
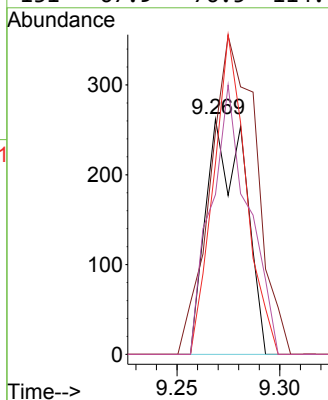
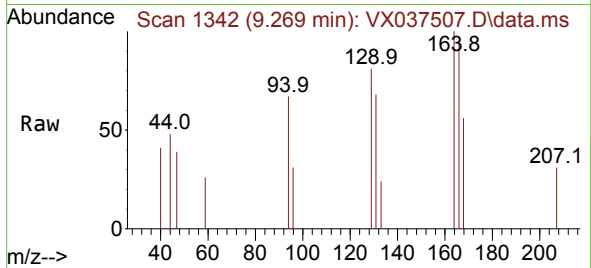




#64
Tetrachloroethene
Concen: 0.236 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

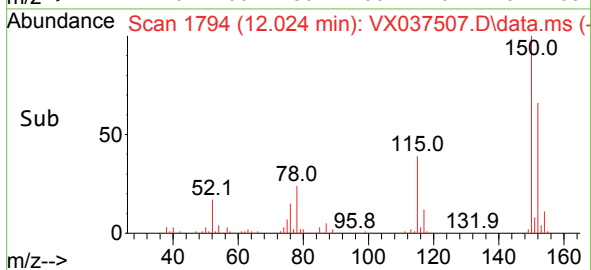
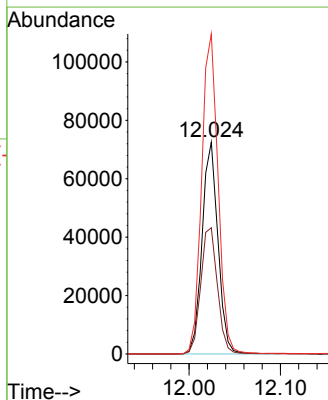
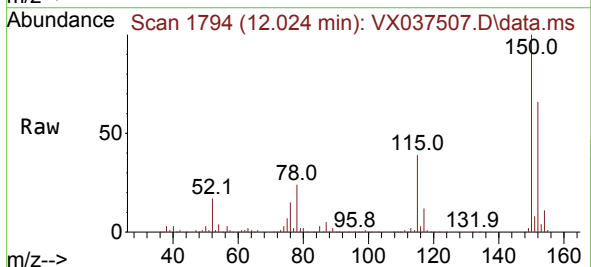
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123DL

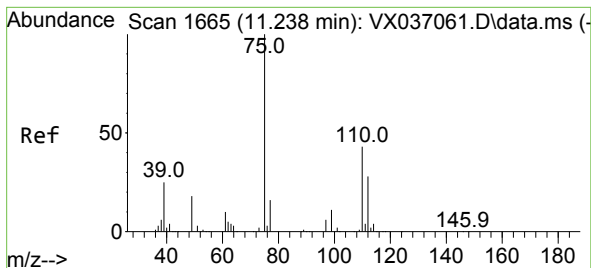
Tgt Ion:164 Resp: 344
Ion Ratio Lower Upper
164 100
166 94.7 102.7 154.1#
129 81.3 80.4 120.6
131 67.9 76.5 114.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037507.D
Acq: 05 Sep 2023 13:06

Tgt Ion:152 Resp: 87285
Ion Ratio Lower Upper
152 100
115 63.1 43.3 129.9
150 156.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.881 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037507.D

Acq: 05 Sep 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

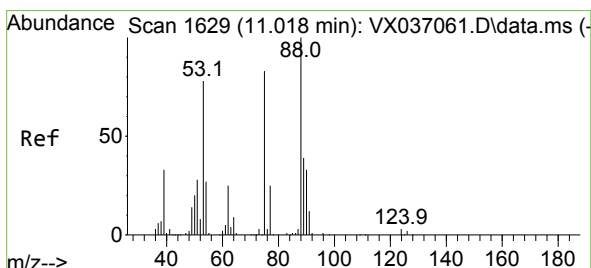
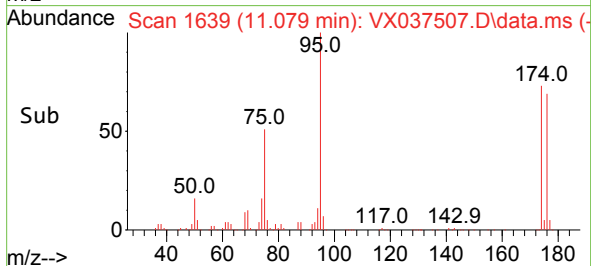
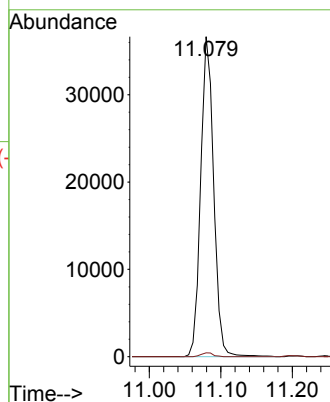
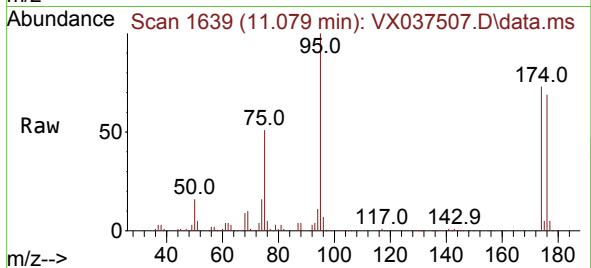
MW-11A-13.5-083123DL

Tgt Ion: 75 Resp: 46251

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.494 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037507.D

Acq: 05 Sep 2023 13:06

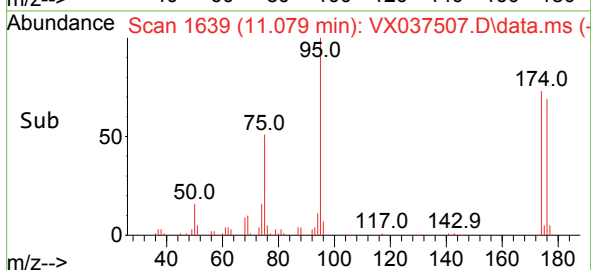
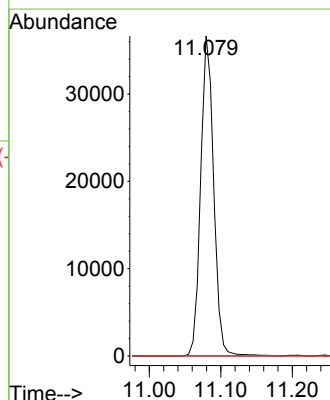
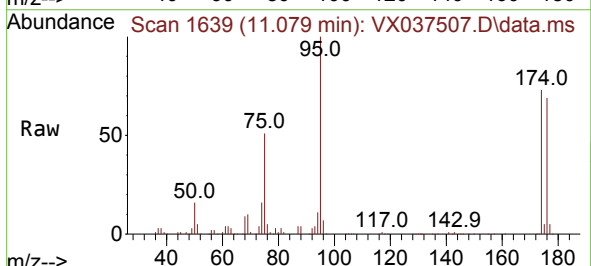
Tgt Ion: 75 Resp: 46251

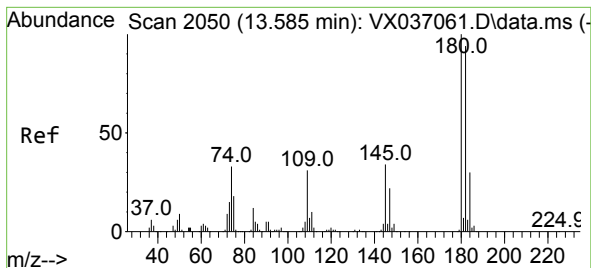
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.319 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX037507.D

Acq: 05 Sep 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-13.5-083123DL

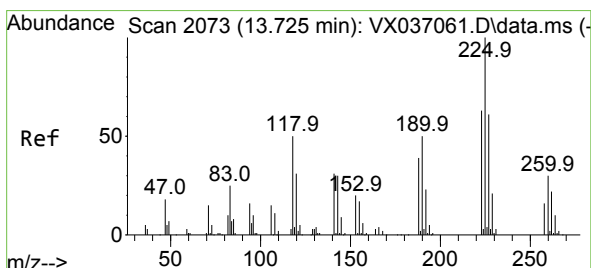
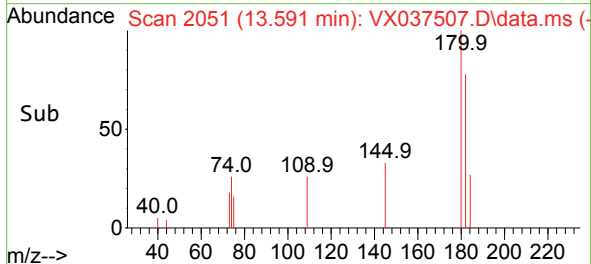
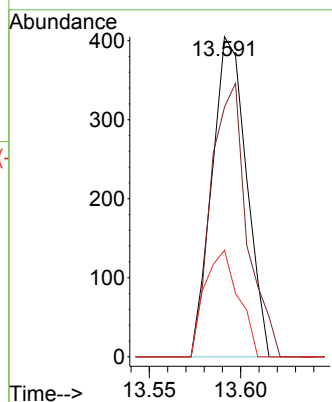
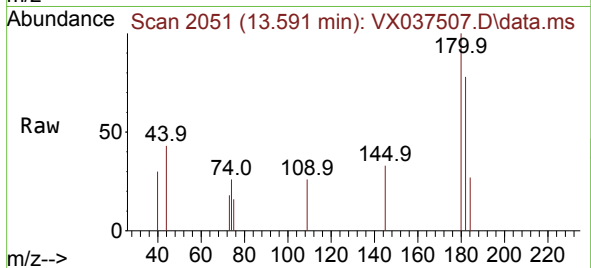
Tgt Ion:180 Resp: 531

Ion Ratio Lower Upper

180 100

182 88.5 48.3 144.8

145 32.6 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.296 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037507.D

Acq: 05 Sep 2023 13:06

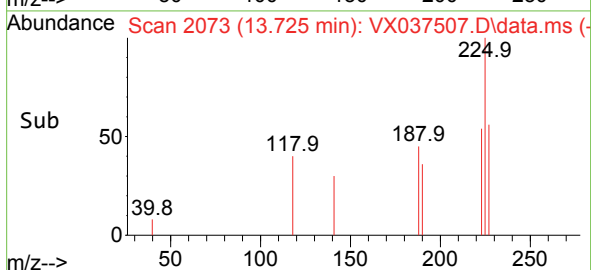
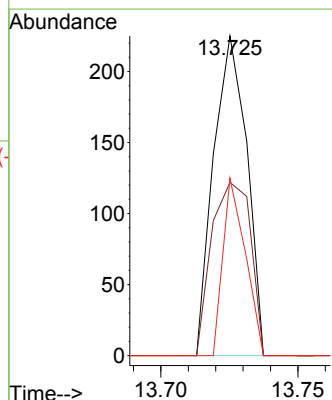
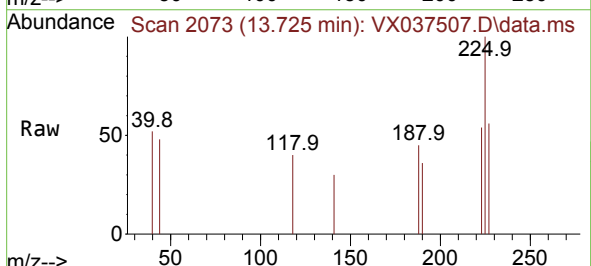
Tgt Ion:225 Resp: 190

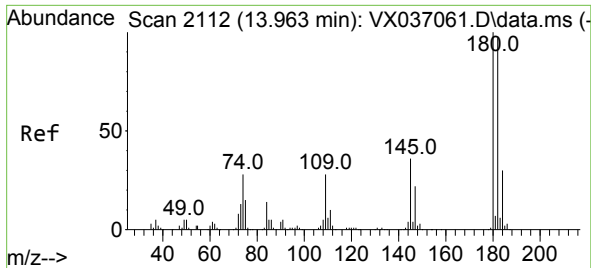
Ion Ratio Lower Upper

225 100

223 63.2 31.1 93.2

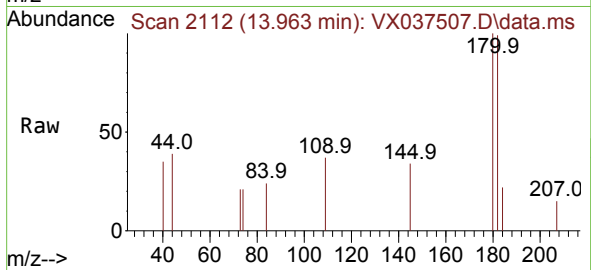
227 37.4 32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.248 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX037507.D
 Acq: 05 Sep 2023 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-083123DL



Tgt Ion:	180	Resp:	410
Ion	Ratio	Lower	Upper
180	100		
182	91.5	46.9	140.6
145	46.8	17.8	53.5

