

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037508.D
 Acq On : 05 Sep 2023 13:30
 Operator : JC/MD
 Sample : 04269-05DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Sep 06 02:53:45 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)

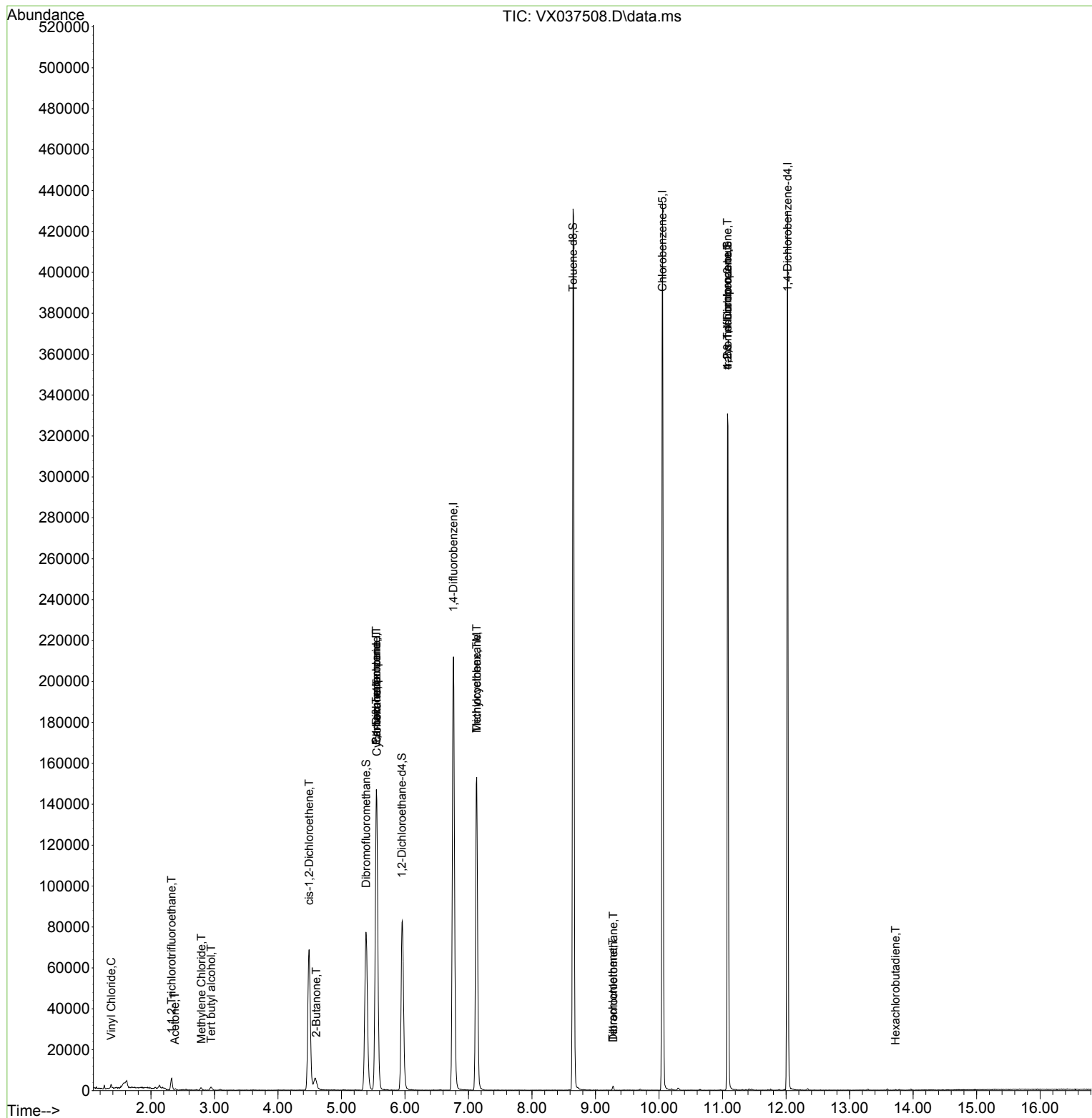
Internal Standards						
1) Pentafluorobenzene	5.550	168	140667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232351	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83351	41.101	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	82.200%
35) Dibromofluoromethane	5.385	113	71510	46.471	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.940%
50) Toluene-d8	8.647	98	272046	48.738	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.480%
62) 4-Bromofluorobenzene	11.079	95	98883	45.078	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.160%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.373	62	1383	0.889	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	2413	1.623	ug/l	96
11) Tert butyl alcohol	2.946	59	1035	2.176	ug/l #	78
16) Acetone	2.379	43	655	0.826	ug/l #	89
20) Methylene Chloride	2.794	84	660	0.372	ug/l #	72
25) 2-Butanone	4.605	43	334	0.280	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	47946	24.707	ug/l	77
31) Cyclohexane	5.556	56	2439	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10510	4.807	ug/l #	52
38) Carbon Tetrachloride	5.550	117	14717	6.197	ug/l #	15
39) Methylcyclohexane	7.129	83	751	0.327	ug/l #	1
44) Trichloroethene	7.129	130	63980	35.986	ug/l	96
60) Dibromochloromethane	9.281	129	426	0.237	ug/l #	11
64) Tetrachloroethene	9.274	164	388	0.257	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	47448	24.359	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47448	68.037	ug/l #	5
94) Hexachlorobutadiene	13.725	225	158	0.235	ug/l #	51

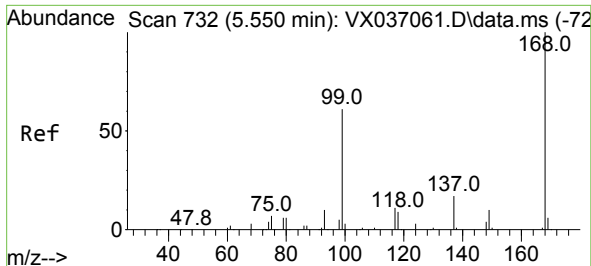
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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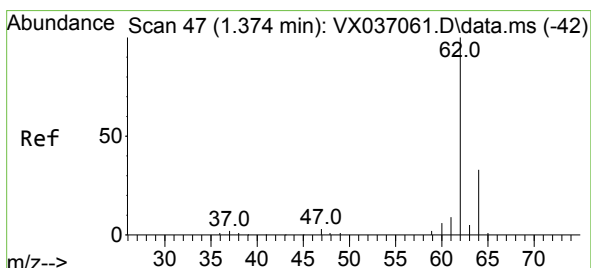
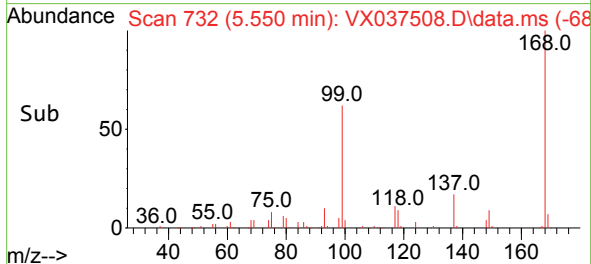
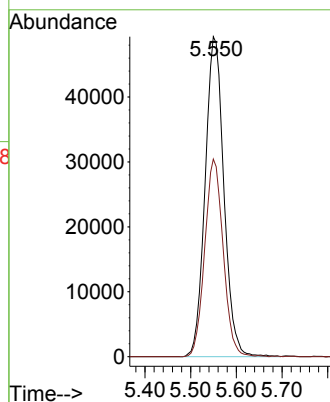
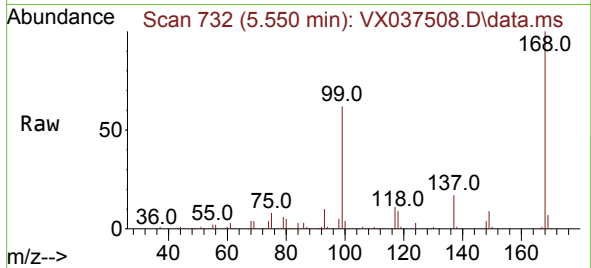




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

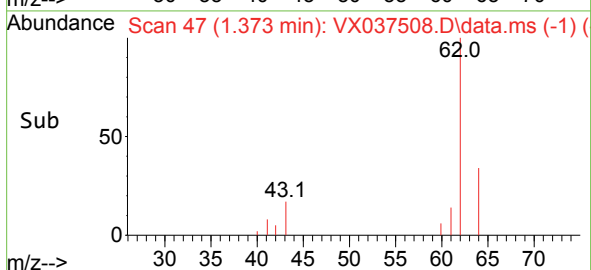
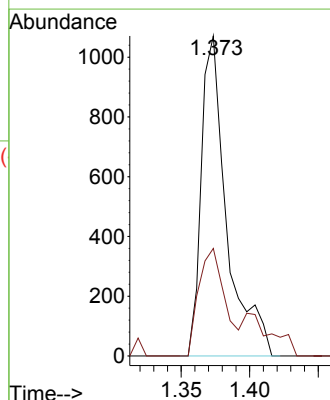
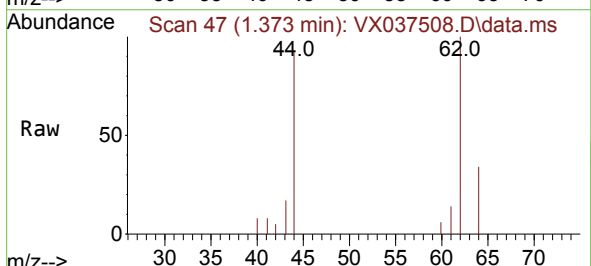
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FDDL

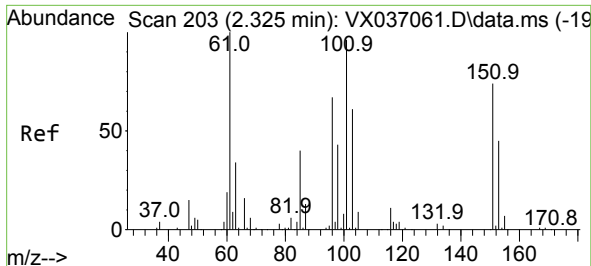
Tgt Ion:168 Resp: 140667
Ion Ratio Lower Upper
168 100
99 61.7 56.6 85.0



#4
Vinyl Chloride
Concen: 0.889 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

Tgt Ion: 62 Resp: 1383
Ion Ratio Lower Upper
62 100
64 33.6 25.4 38.0

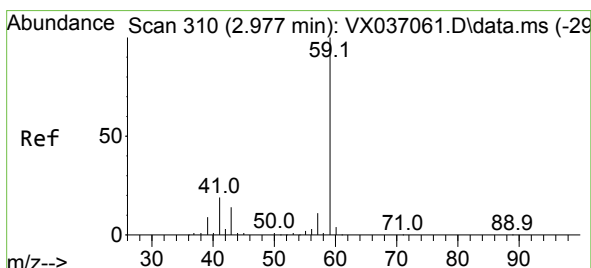
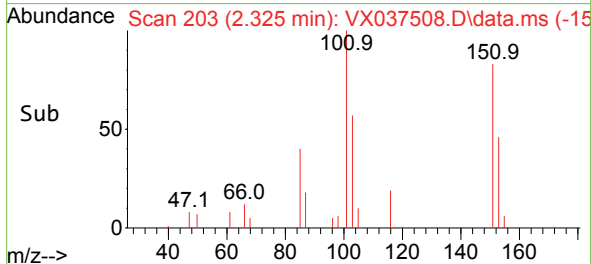
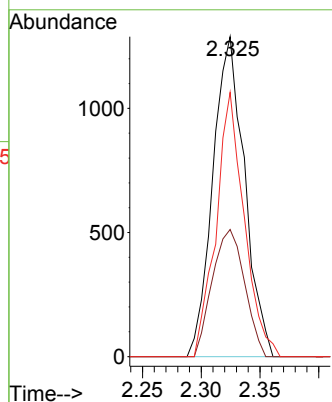
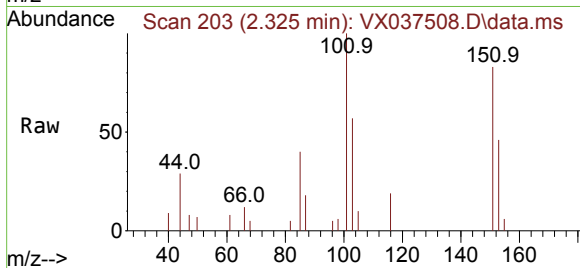




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.623 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

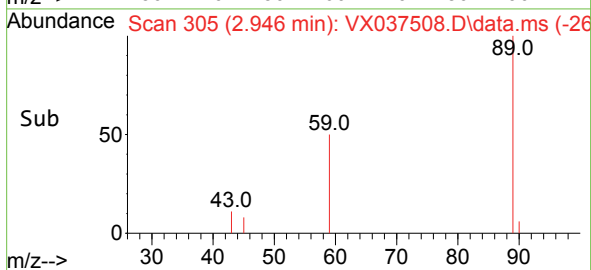
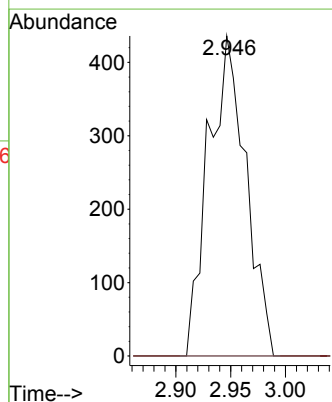
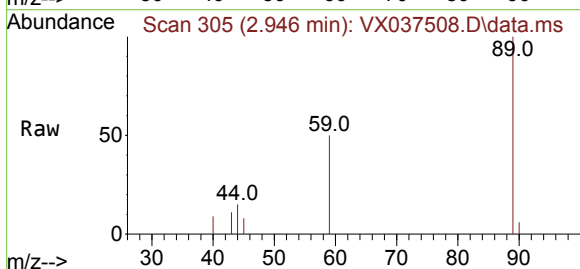
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FDDL

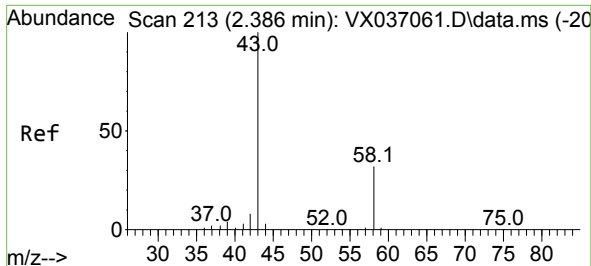
Tgt Ion:101 Resp: 2413
Ion Ratio Lower Upper
101 100
85 40.5 37.0 55.6
151 73.5 58.6 87.8



#11
Tert butyl alcohol
Concen: 2.176 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

Tgt Ion: 59 Resp: 1035
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 0.826 ug/l

RT: 2.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX037508.D

Acq: 05 Sep 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

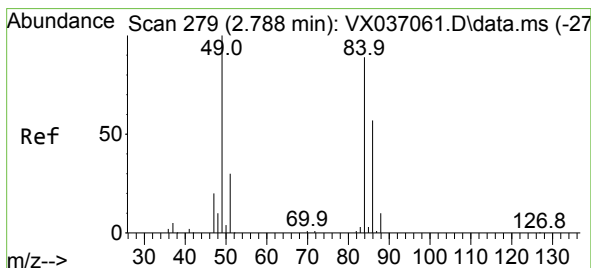
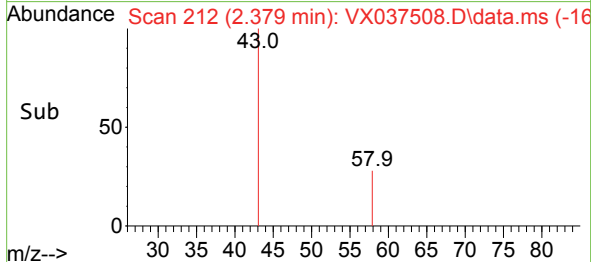
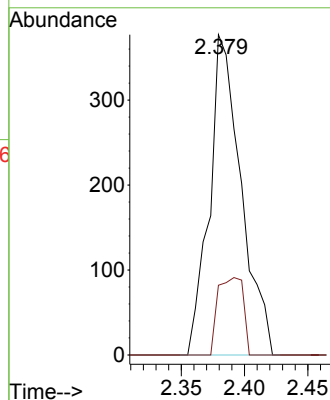
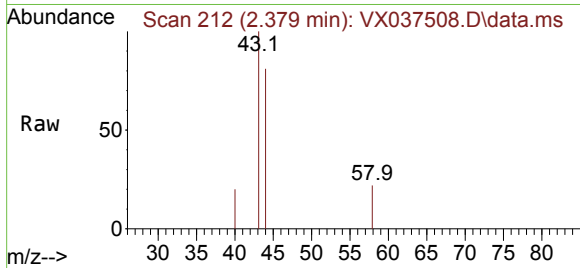
MW-11A-13.5-083123-FDDL

Tgt Ion: 43 Resp: 655

Ion Ratio Lower Upper

43 100

58 21.8 21.9 32.9#



#20

Methylene Chloride

Concen: 0.372 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037508.D

Acq: 05 Sep 2023 13:30

Tgt Ion: 84 Resp: 660

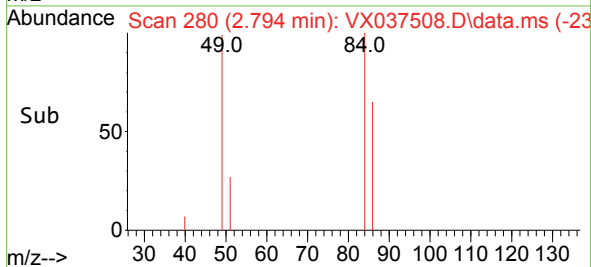
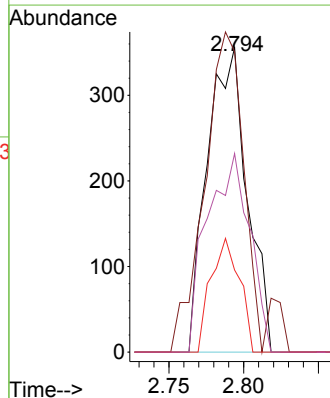
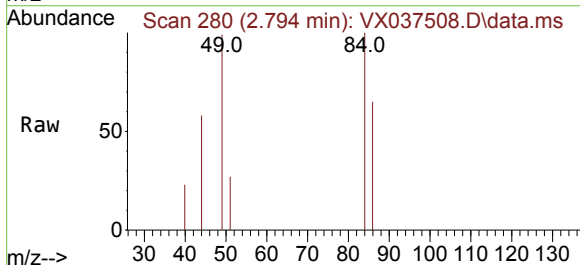
Ion Ratio Lower Upper

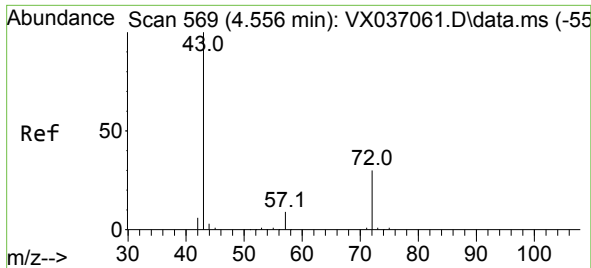
84 100

49 82.3 103.6 155.4#

51 27.0 33.8 50.6#

86 65.2 49.4 74.0

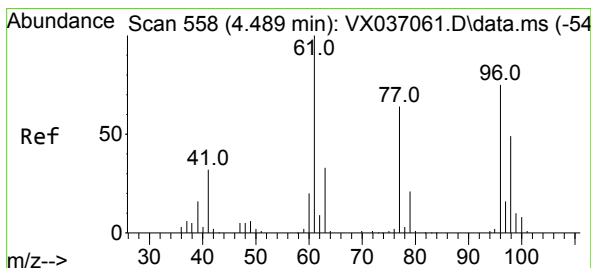
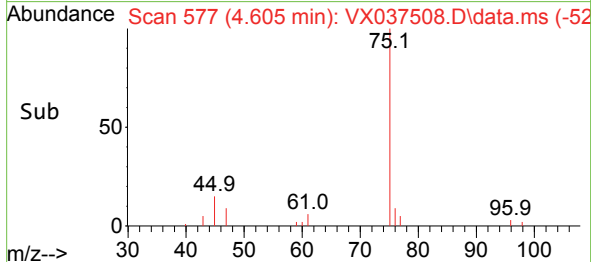
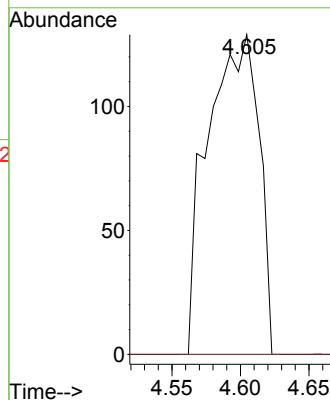
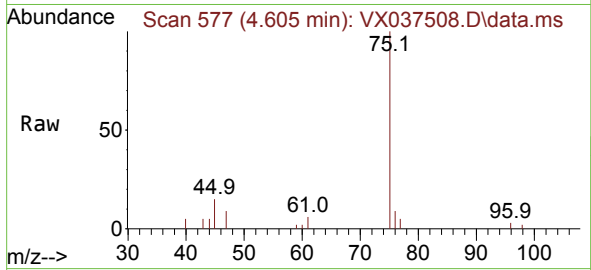




#25
2-Butanone
Concen: 0.280 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

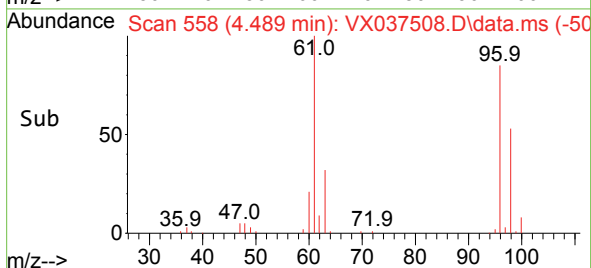
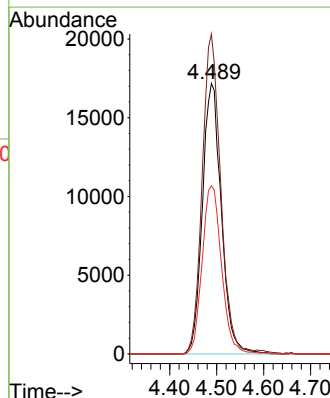
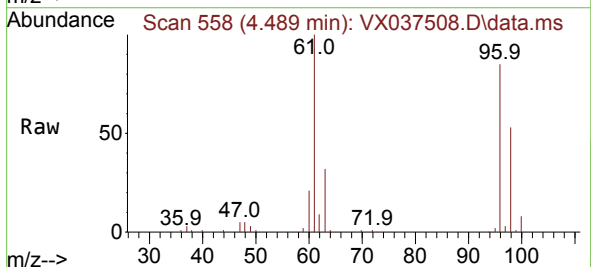
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FDDL

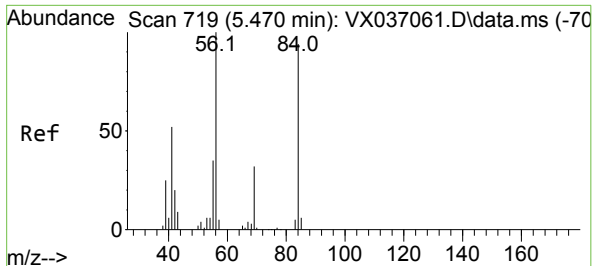
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 24.707 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

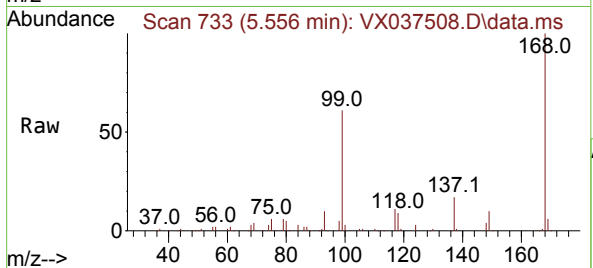
Tgt Ion: 96 Resp: 47946
Ion Ratio Lower Upper
96 100
61 115.4 0.0 312.2
98 63.6 0.0 129.0



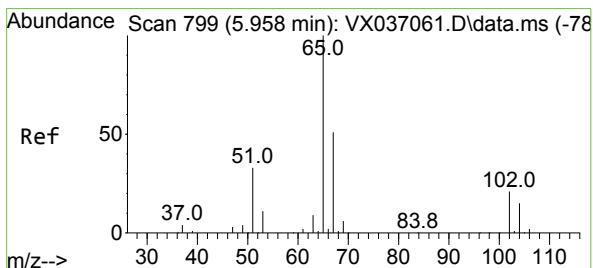
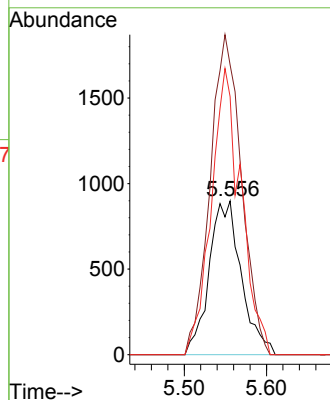
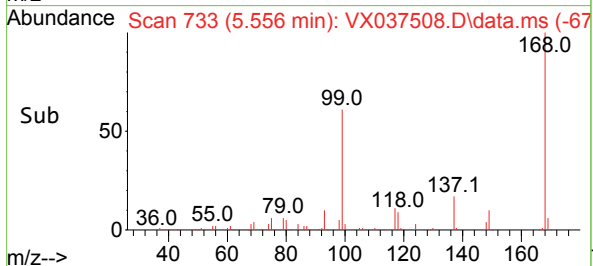


#31
Cyclohexane
Concen: 1.070 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

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

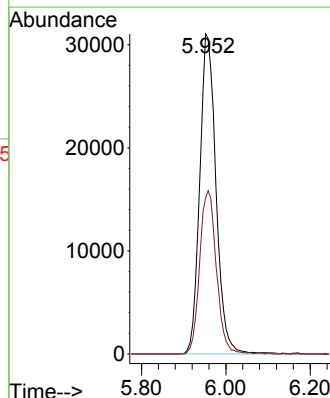
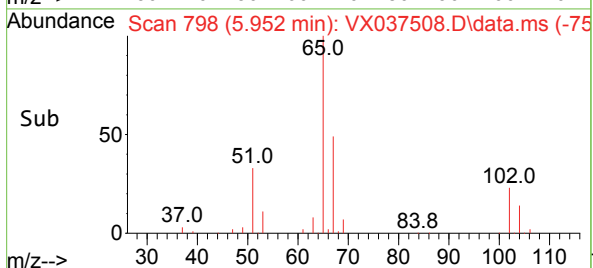
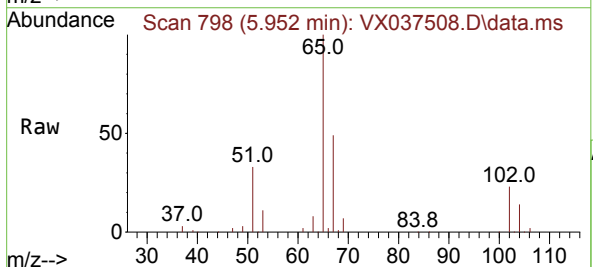


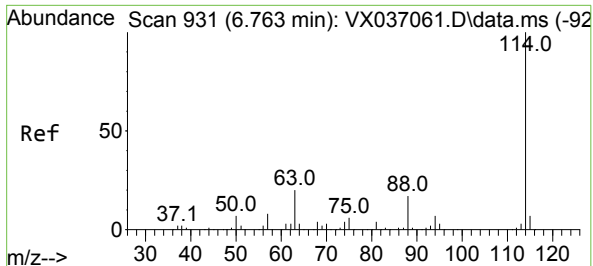
Tgt Ion: 56 Resp: 2439
Ion Ratio Lower Upper
56 100
69 188.3 23.4 35.2#
84 167.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 41.101 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

Tgt Ion: 65 Resp: 83351
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2

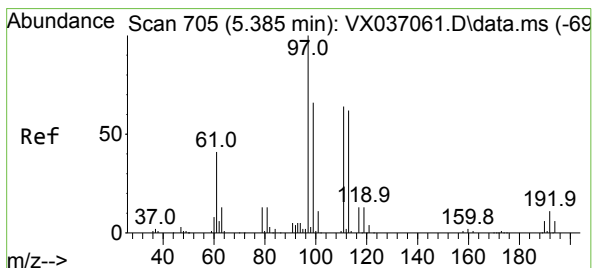
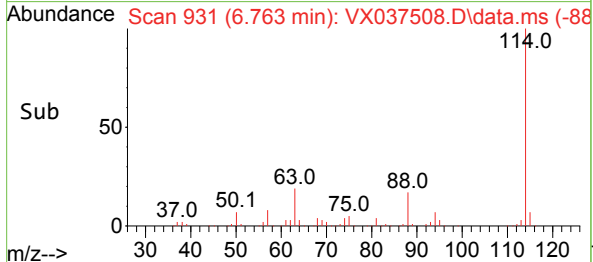
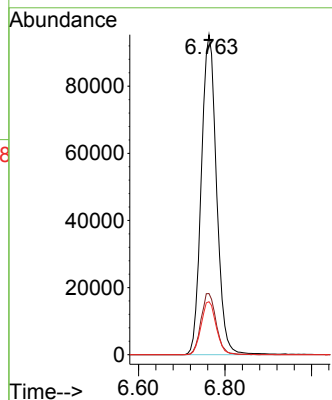
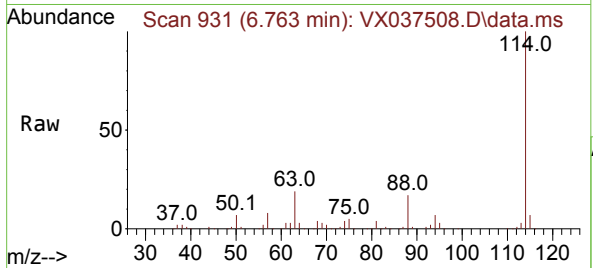




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

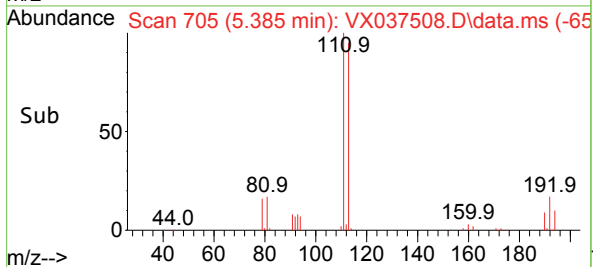
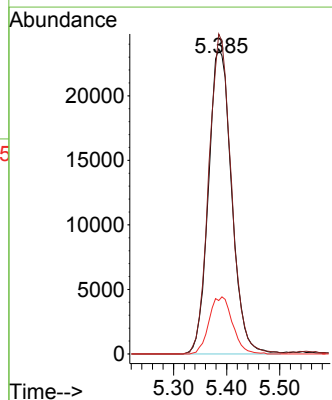
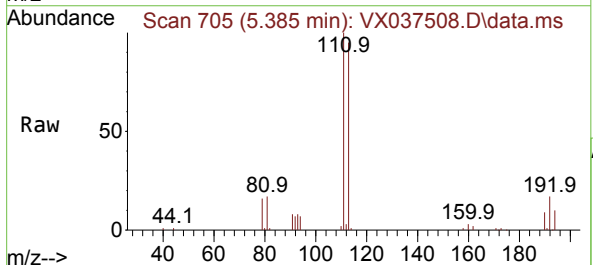
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FDDL

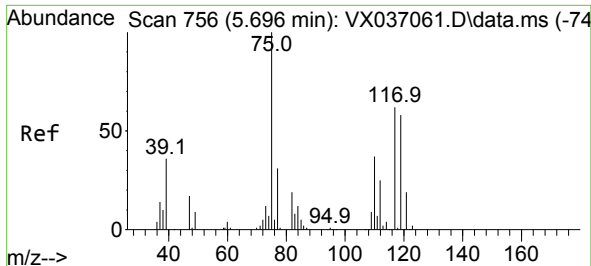
Tgt Ion:114 Resp: 232351
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.471 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

Tgt Ion:113 Resp: 71510
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 19.0 13.3 19.9

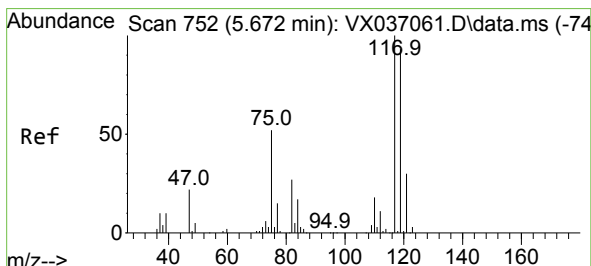
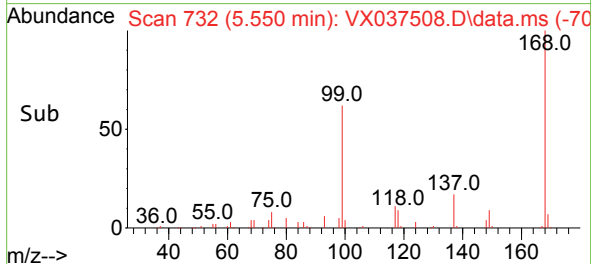
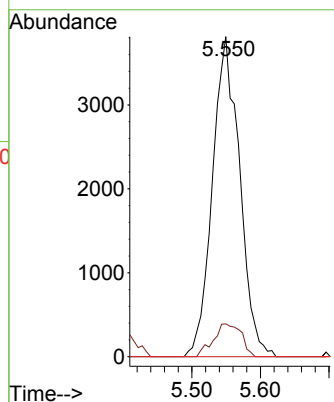
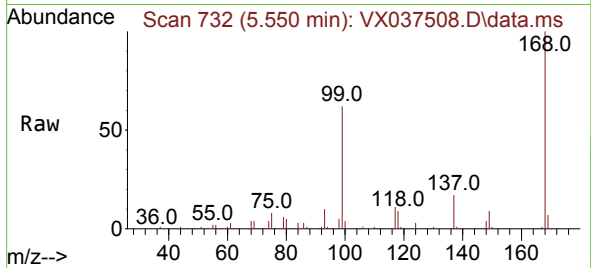




#36
 1,1-Dichloropropene
 Concen: 4.807 ug/l
 RT: 5.550 min Scan# 712
 Delta R.T. -0.147 min
 Lab File: VX037508.D
 Acq: 05 Sep 2023 13:30

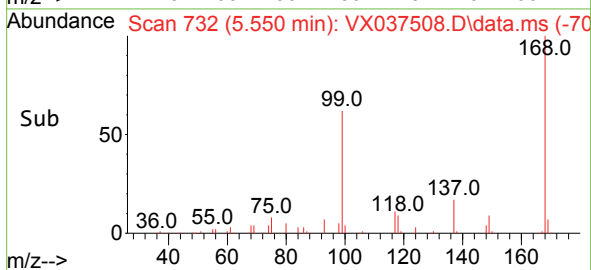
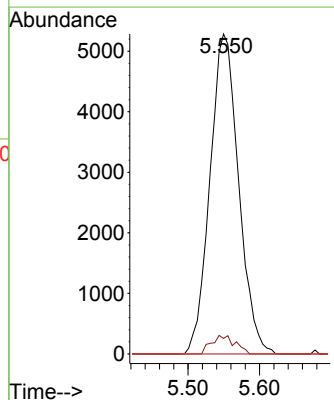
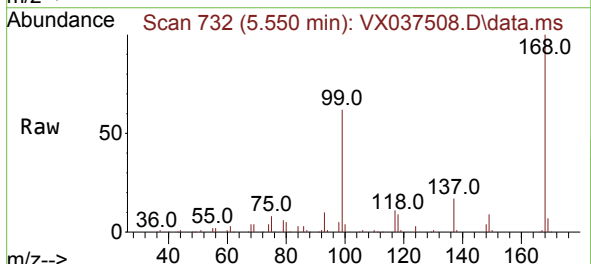
Instrument :
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 MW-11A-13.5-083123-FDDL

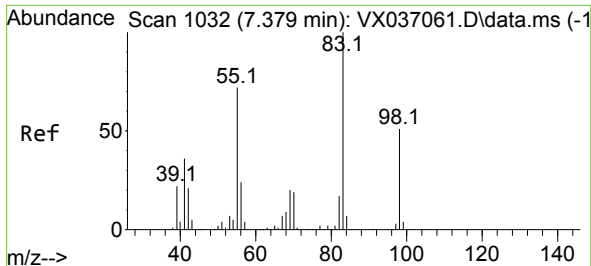
Tgt Ion: 75 Resp: 10510
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.197 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.122 min
 Lab File: VX037508.D
 Acq: 05 Sep 2023 13:30

Tgt Ion: 117 Resp: 14717
 Ion Ratio Lower Upper
 117 100
 119 4.8 78.2 117.2#
 121 0.0 24.4 36.6#

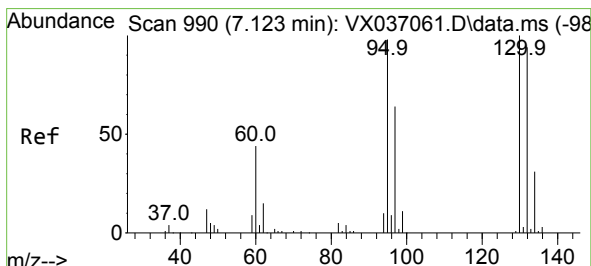
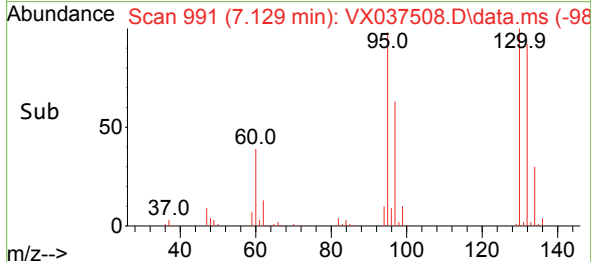
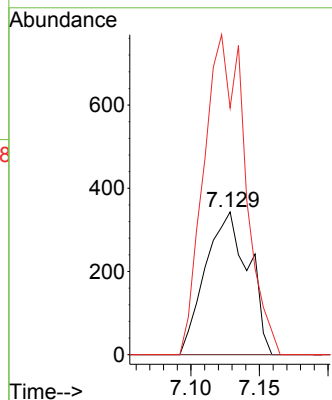
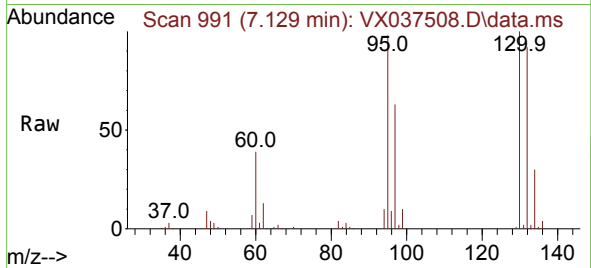




#39
Methylcyclohexane
Concen: 0.327 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

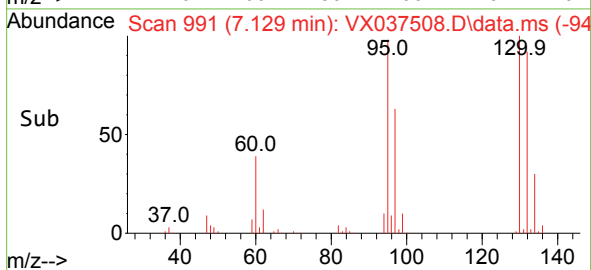
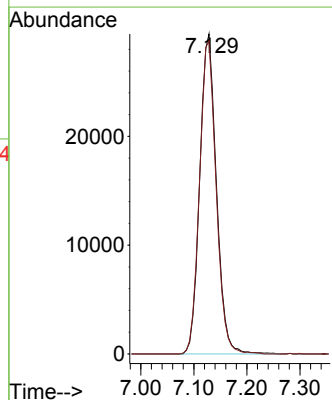
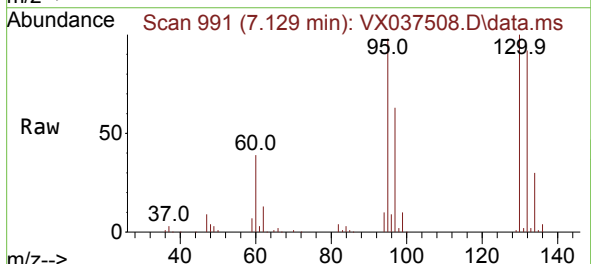
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FDDL

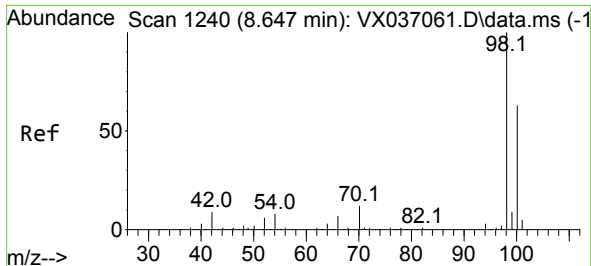
Tgt Ion: 83 Resp: 751
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 172.9 36.7 55.1#



#44
Trichloroethene
Concen: 35.986 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

Tgt Ion:130 Resp: 63980
Ion Ratio Lower Upper
130 100
95 97.8 0.0 204.4

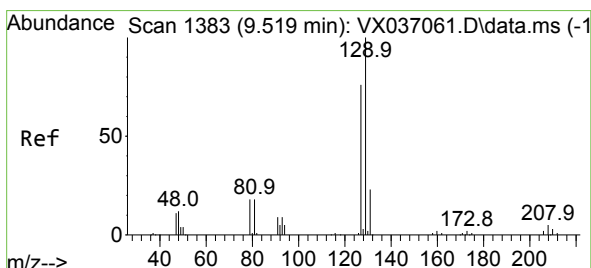
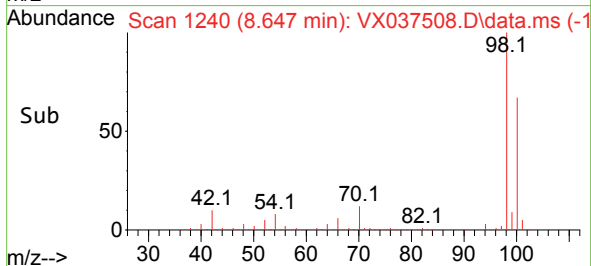
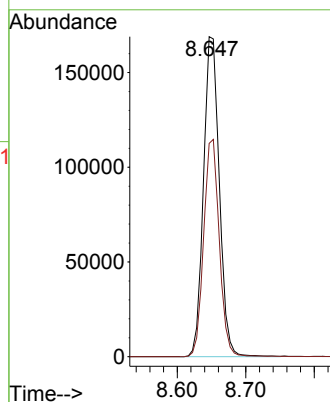
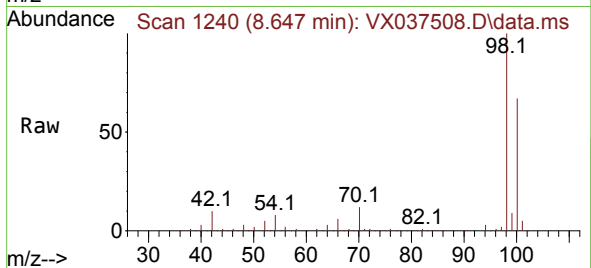




#50
Toluene-d8
Concen: 48.738 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

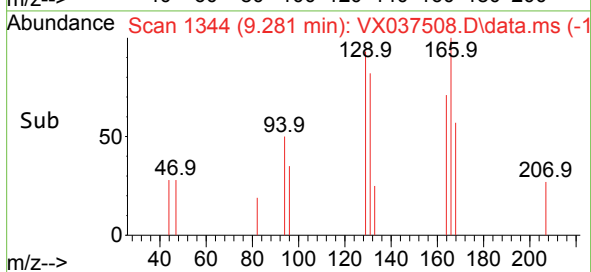
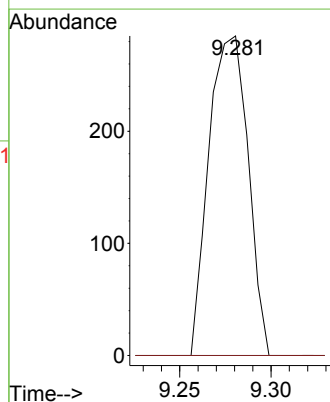
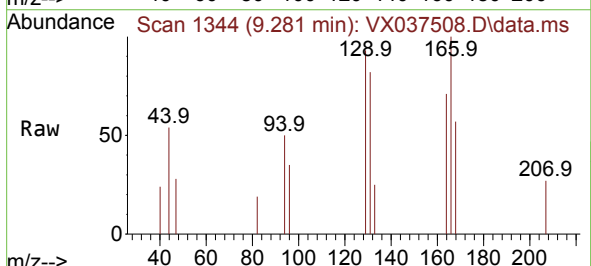
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FDDL

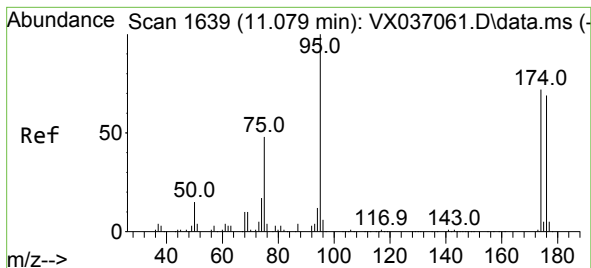
Tgt Ion: 98 Resp: 272046
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7



#60
Dibromochloromethane
Concen: 0.237 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

Tgt Ion: 129 Resp: 426
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

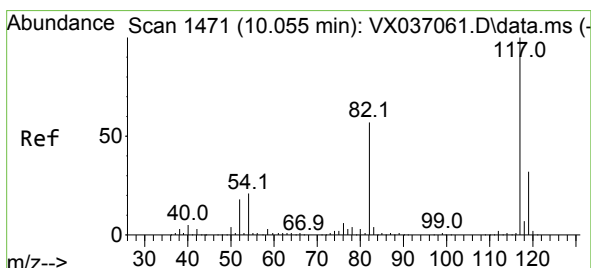
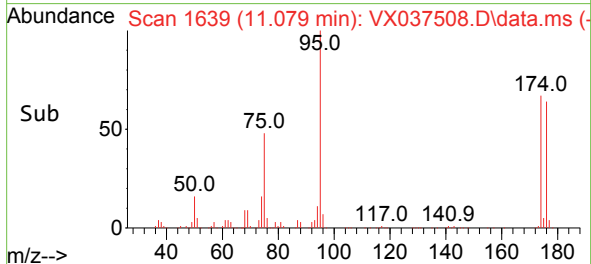
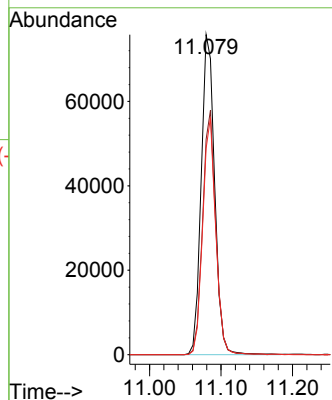
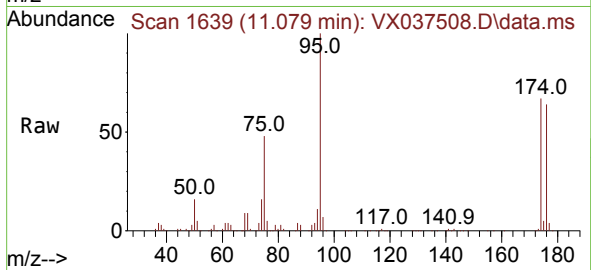




#62
4-Bromofluorobenzene
Concen: 45.078 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

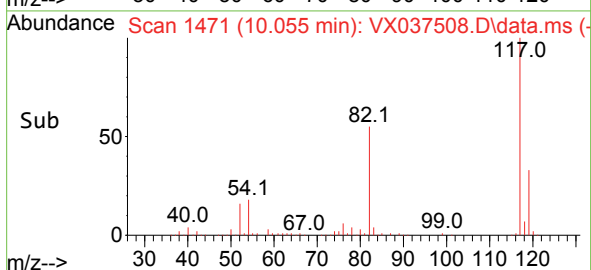
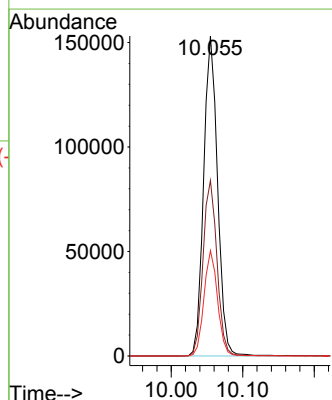
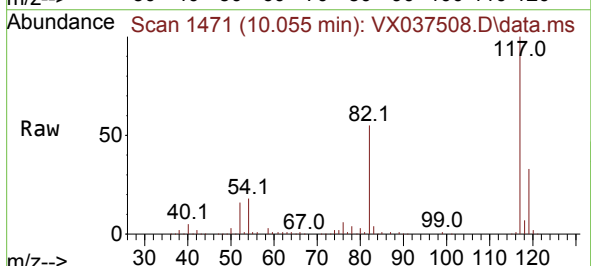
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FDDL

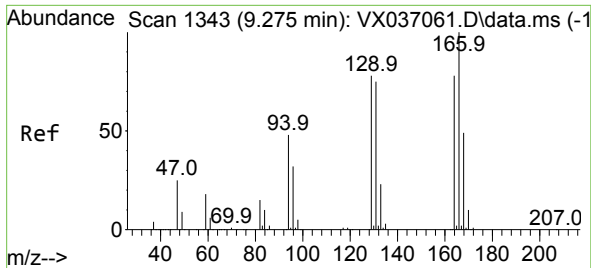
Tgt Ion: 95 Resp: 98883
Ion Ratio Lower Upper
95 100
174 74.5 0.0 135.6
176 71.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

Tgt Ion: 117 Resp: 207336
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 32.9 25.5 38.3



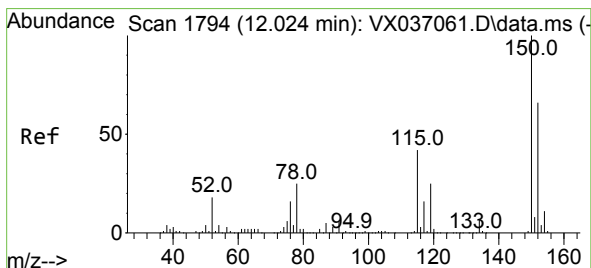
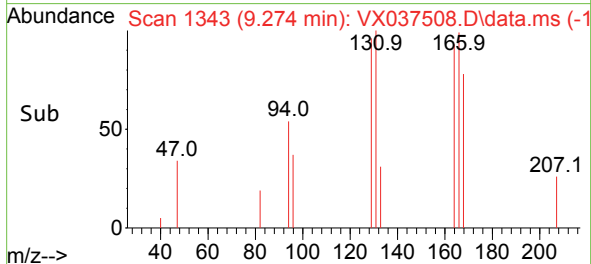
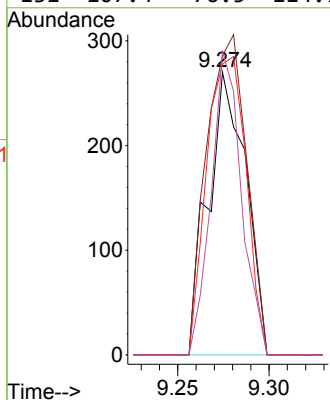
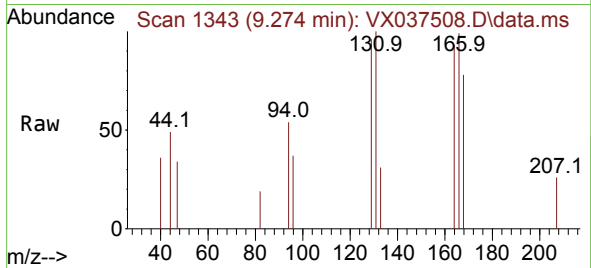


#64
Tetrachloroethene
Concen: 0.257 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

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

Tgt Ion:164 Resp: 388

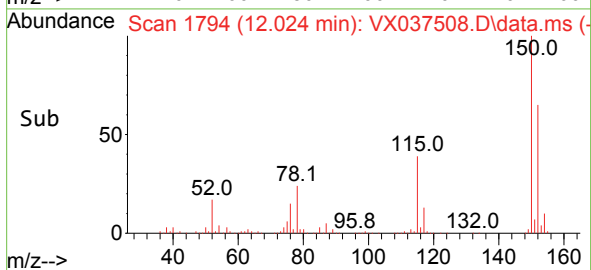
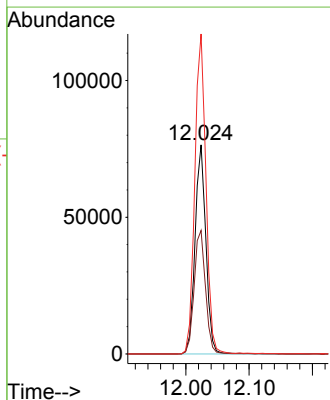
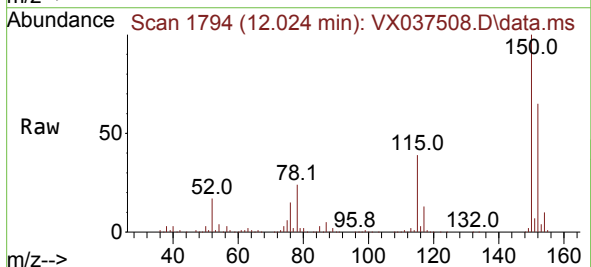
Ion	Ratio	Lower	Upper
164	100		
166	105.9	102.7	154.1
129	103.0	80.4	120.6
131	107.4	76.5	114.7

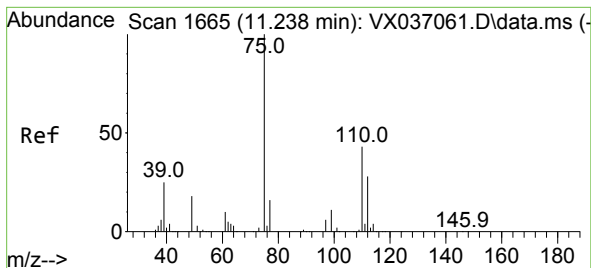


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037508.D
Acq: 05 Sep 2023 13:30

Tgt Ion:152 Resp: 91462

Ion	Ratio	Lower	Upper
152	100		
115	62.1	43.3	129.9
150	156.7	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 24.359 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037508.D

Acq: 05 Sep 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

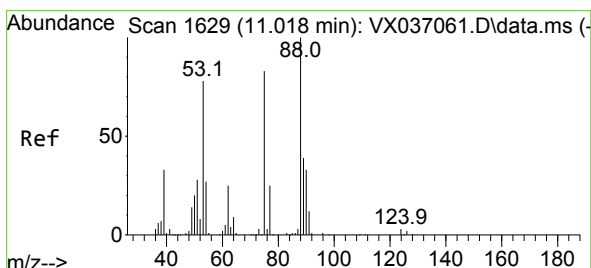
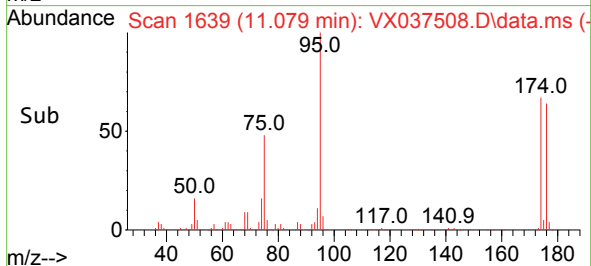
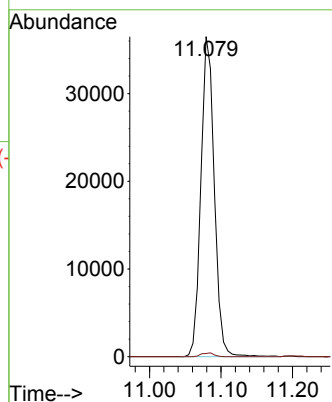
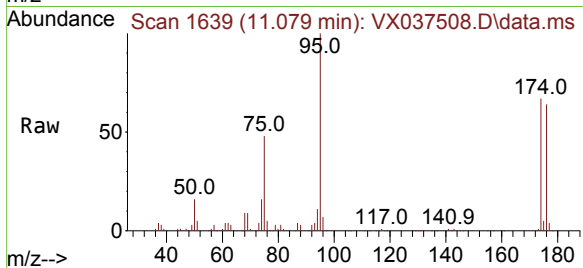
MW-11A-13.5-083123-FDDL

Tgt Ion: 75 Resp: 47448

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.037 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037508.D

Acq: 05 Sep 2023 13:30

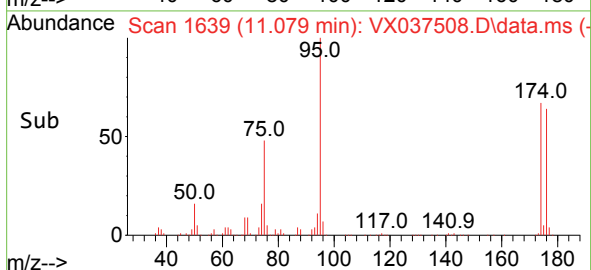
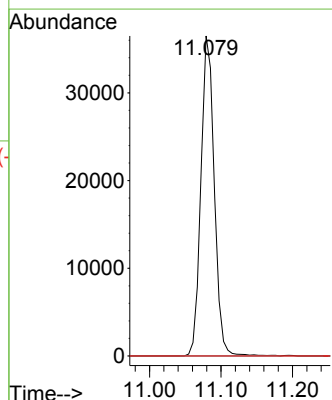
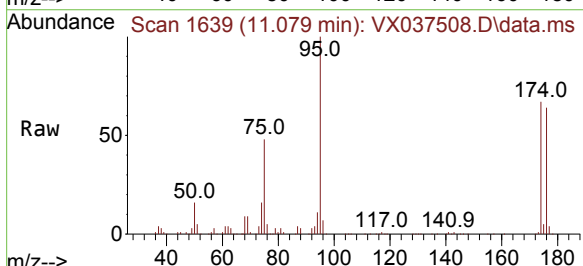
Tgt Ion: 75 Resp: 47448

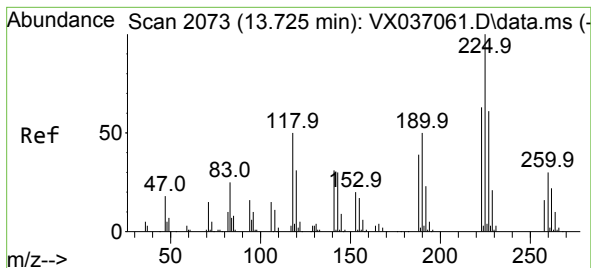
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#94

Hexachlorobutadiene

Concen: 0.235 ug/l

RT: 13.725 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX037508.D

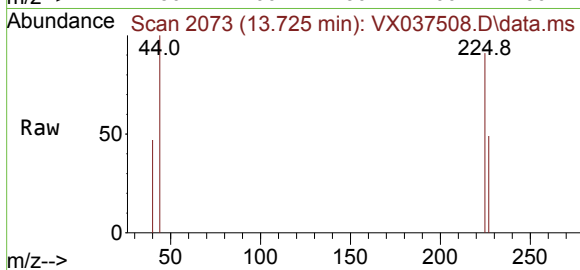
Acq: 05 Sep 2023 13:30

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-13.5-083123-FDDL



Tgt Ion:	225	Resp:	158
Ion	Ratio	Lower	Upper
225	100		
223	19.0	31.1	93.2#
227	31.6	32.5	97.5#

