

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
 Data File : VX037391.D
 Acq On : 30 Aug 2023 16:06
 Operator : JC/MD
 Sample : 04229-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-09-6.5-082923

Quant Time: Aug 31 02:24:57 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)

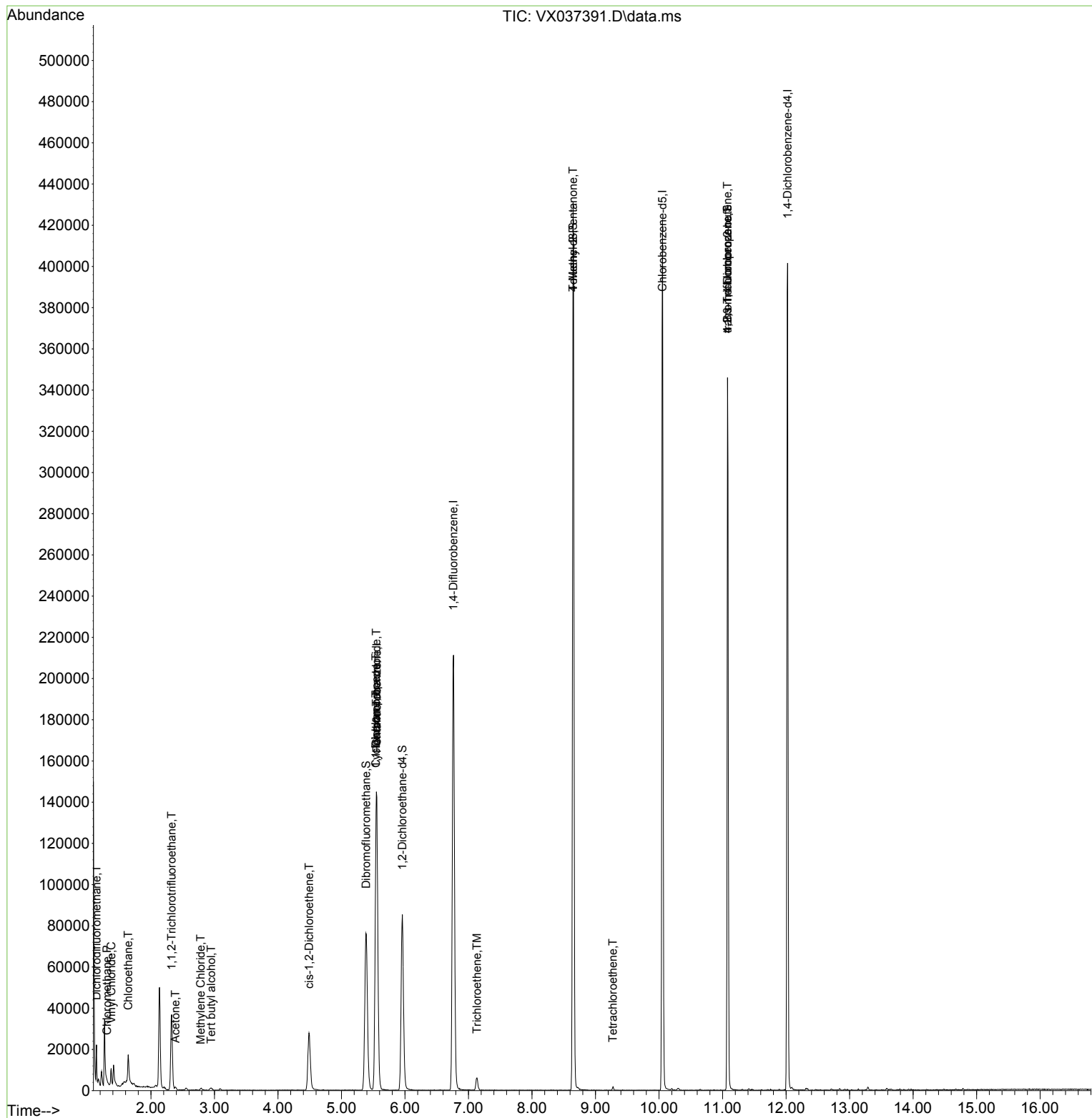
Internal Standards						
1) Pentafluorobenzene	5.556	168	136689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84217	42.736	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.480%		
35) Dibromofluoromethane	5.385	113	68988	46.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.460%		
50) Toluene-d8	8.647	98	264296	48.829	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.660%		
62) 4-Bromofluorobenzene	11.079	95	96169	45.211	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.142	85	1562	0.984	ug/l	97
3) Chloromethane	1.307	50	379	0.273	ug/l	98
4) Vinyl Chloride	1.374	62	5369	3.551	ug/l	90
6) Chloroethane	1.642	64	677	0.761	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	14968	10.359	ug/l	96
11) Tert butyl alcohol	2.947	59	873	1.889	ug/l #	78
16) Acetone	2.386	43	1701	2.206	ug/l	97
20) Methylene Chloride	2.782	84	549	0.318	ug/l #	68
27) cis-1,2-Dichloroethene	4.489	96	19101	10.130	ug/l	80
31) Cyclohexane	5.544	56	2655	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10618	5.009	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14535	6.312	ug/l #	15
44) Trichloroethene	7.135	130	2622	1.521	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	965	0.462	ug/l #	1
64) Tetrachloroethene	9.275	164	301	0.207	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	47587	25.079	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	47587	70.048	ug/l #	5

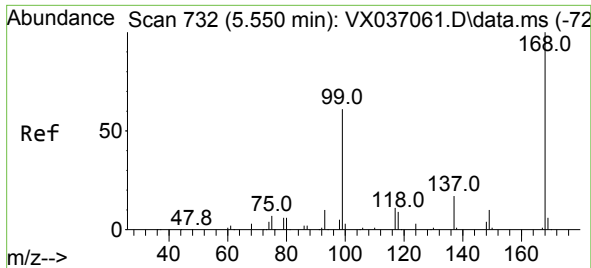
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX037391.D

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Instrument :

MSVOA_X

ClientSampleId :

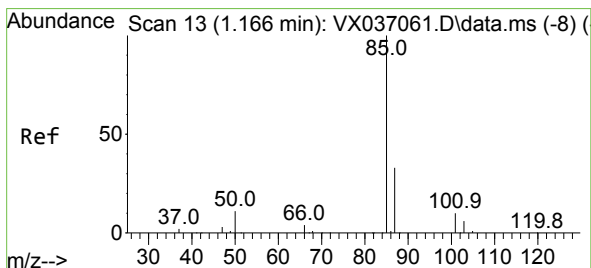
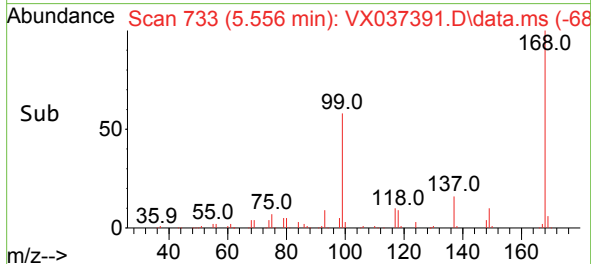
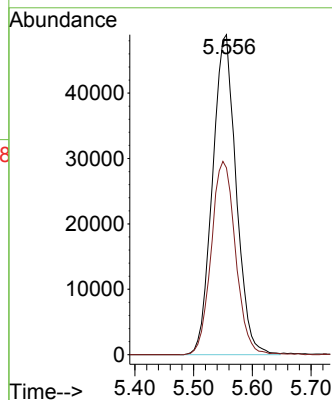
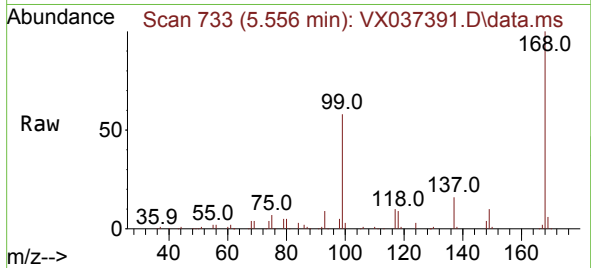
MW-09-6.5-082923

Tgt Ion:168 Resp: 136689

Ion Ratio Lower Upper

168 100

99 58.4 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 0.984 ug/l

RT: 1.142 min Scan# 9

Delta R.T. -0.024 min

Lab File: VX037391.D

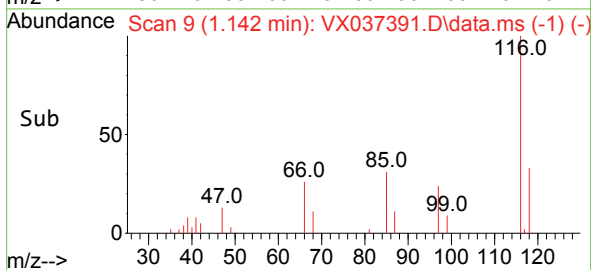
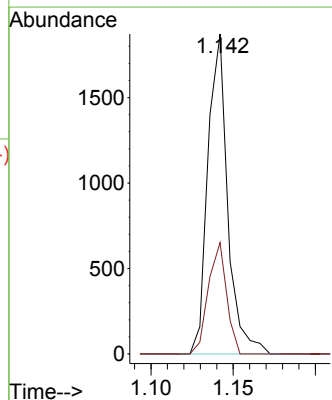
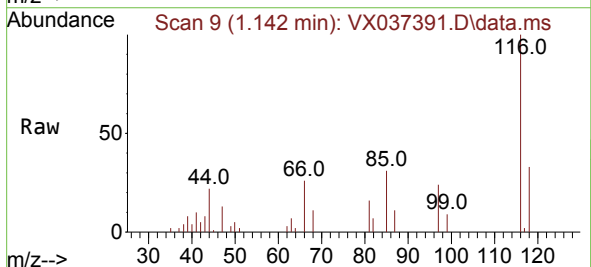
Acq: 30 Aug 2023 16:06

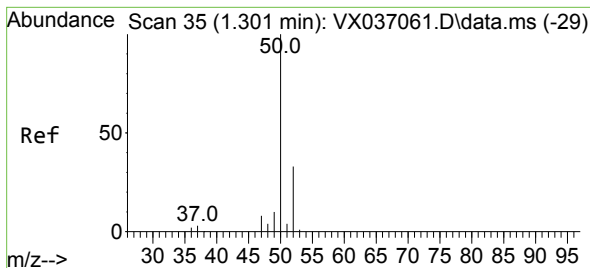
Tgt Ion: 85 Resp: 1562

Ion Ratio Lower Upper

85 100

87 34.8 16.7 50.1





#3

Chloromethane

Concen: 0.273 ug/l

RT: 1.307 min Scan# 30

Delta R.T. 0.006 min

Lab File: VX037391.D

Acq: 30 Aug 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

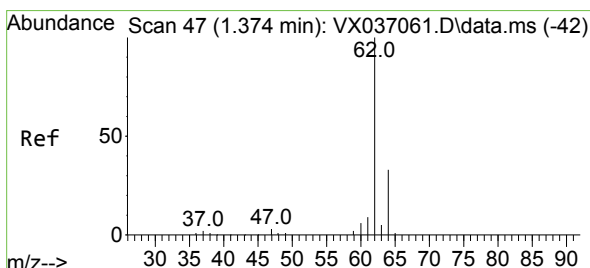
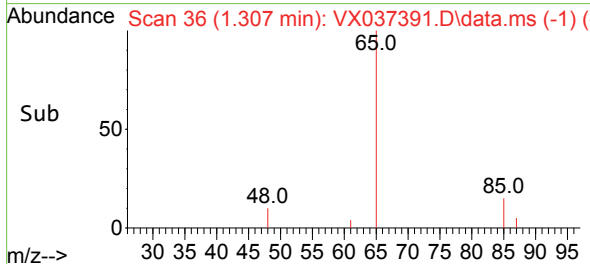
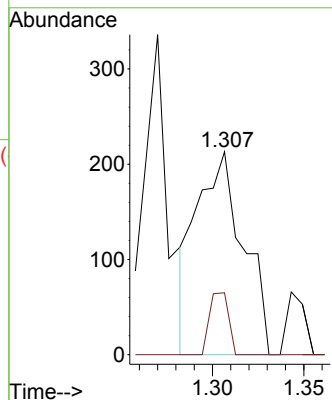
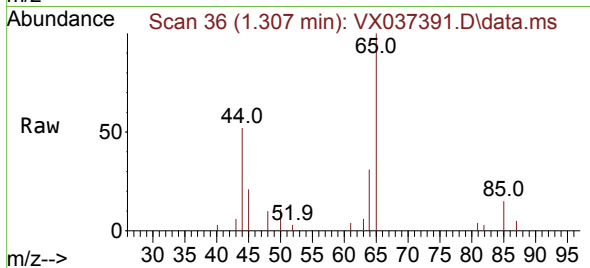
MW-09-6.5-082923

Tgt Ion: 50 Resp: 379

Ion Ratio Lower Upper

50 100

52 30.5 25.5 38.3



#4

Vinyl Chloride

Concen: 3.551 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX037391.D

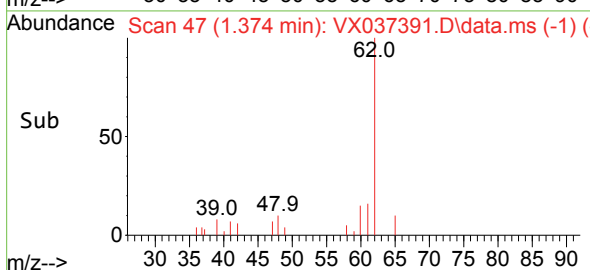
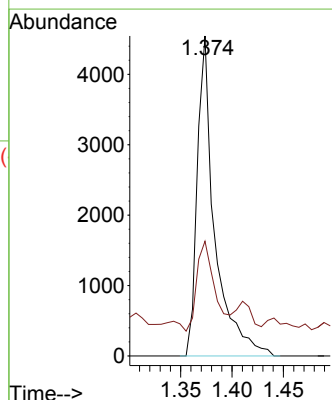
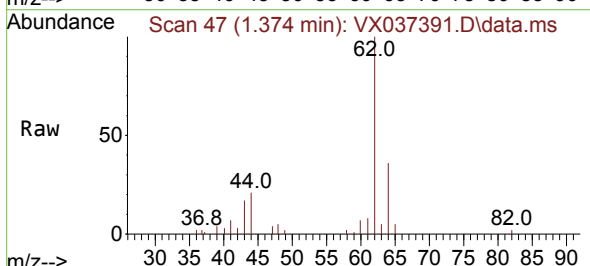
Acq: 30 Aug 2023 16:06

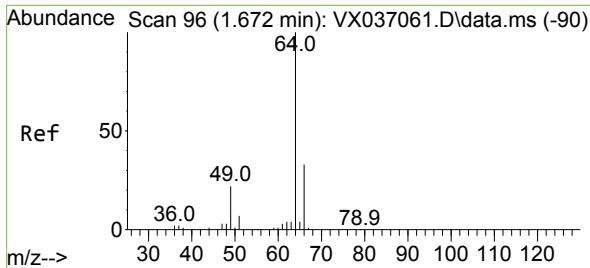
Tgt Ion: 62 Resp: 5369

Ion Ratio Lower Upper

62 100

64 25.9 25.4 38.0

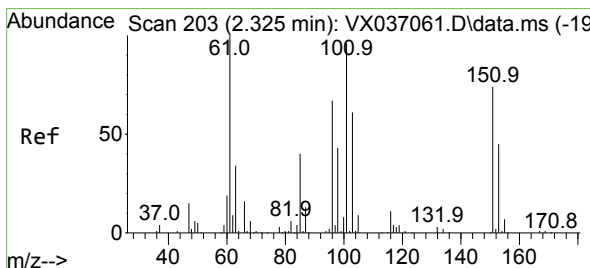
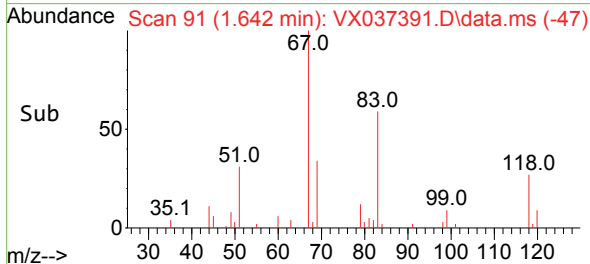
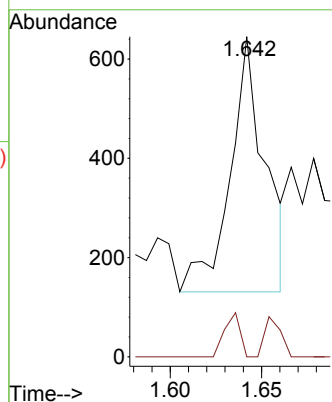
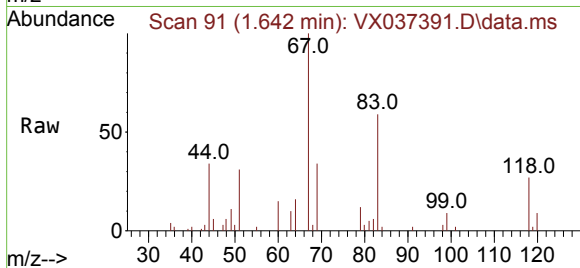




#6
Chloroethane
Concen: 0.761 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.030 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

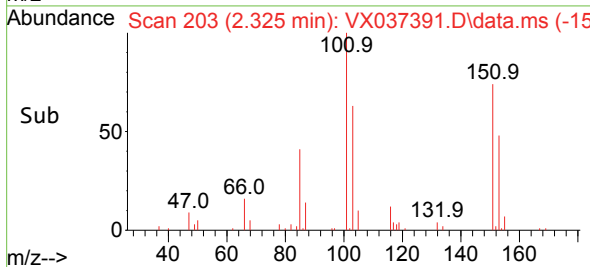
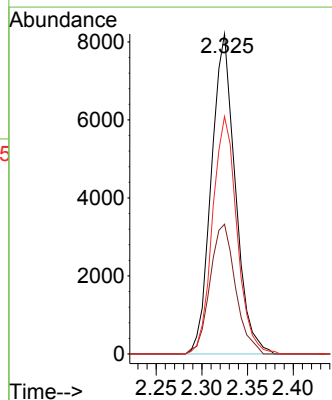
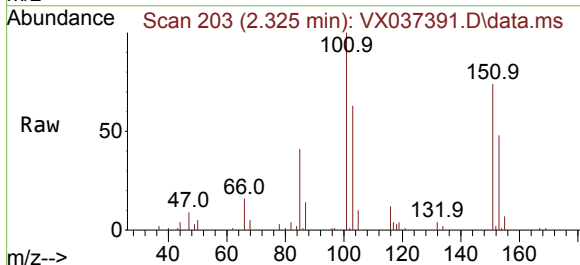
Instrument :
MSVOA_X
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MW-09-6.5-082923

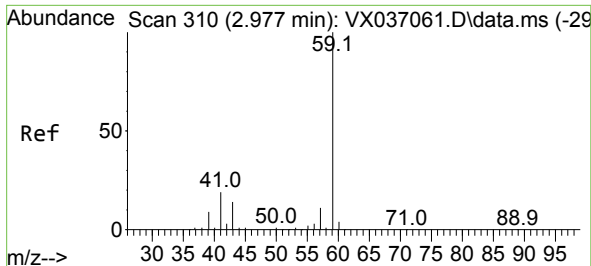
Tgt Ion: 64 Resp: 677
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.359 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 101 Resp: 14968
Ion Ratio Lower Upper
101 100
85 43.1 37.0 55.6
151 75.6 58.6 87.8

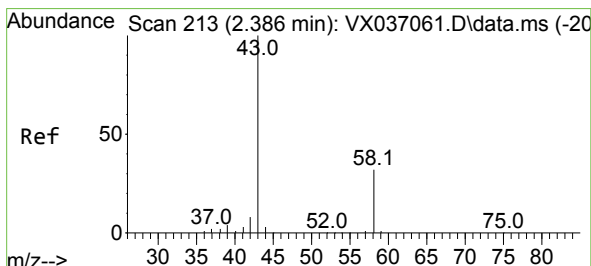
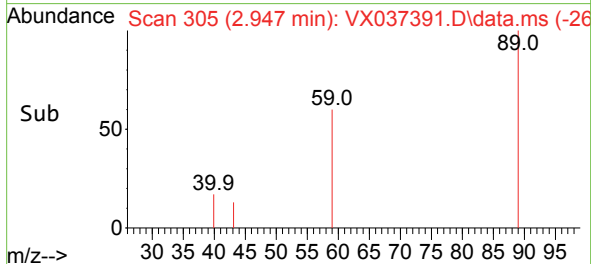
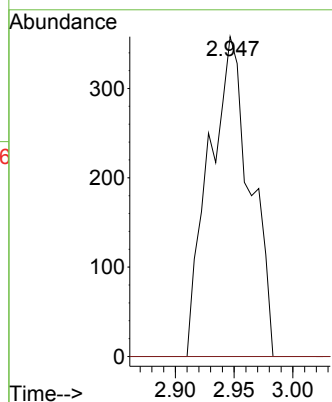
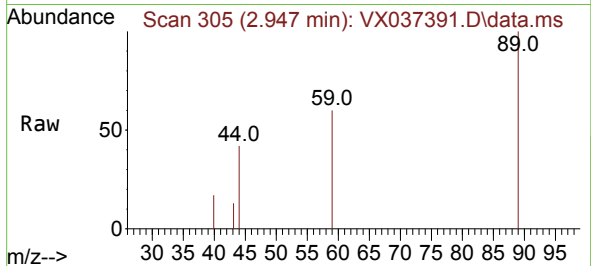




#11
Tert butyl alcohol
Concen: 1.889 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.031 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

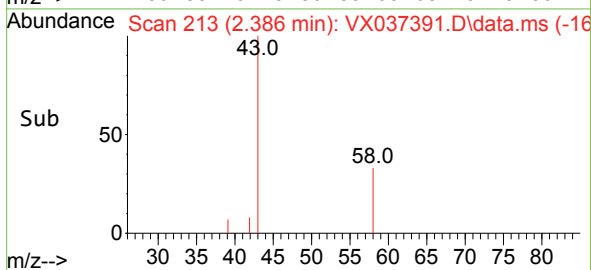
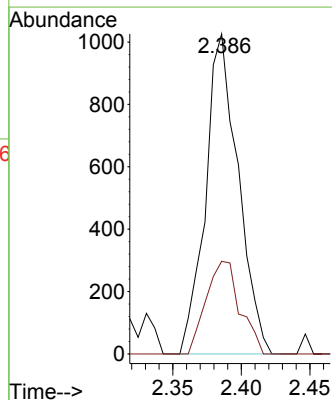
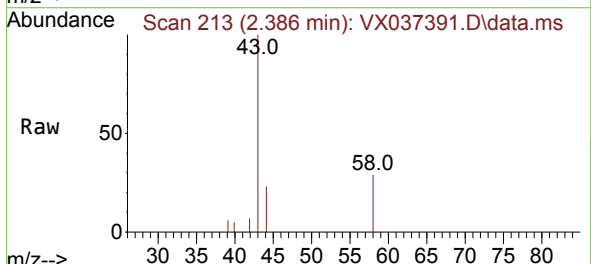
Instrument :
MSVOA_X
ClientSampleId :
MW-09-6.5-082923

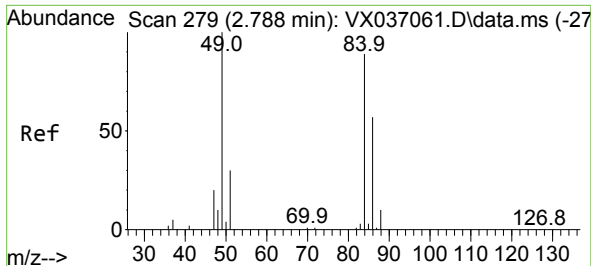
Tgt Ion: 59 Resp: 873
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 2.206 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
58 28.9 21.9 32.9

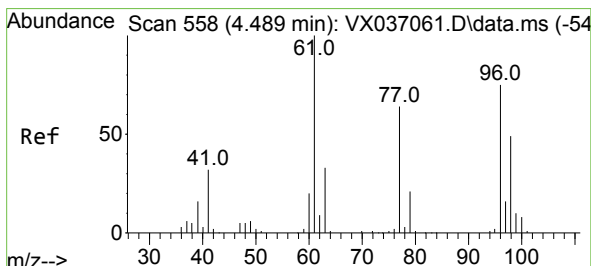
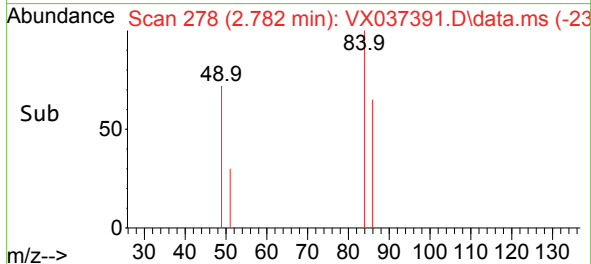
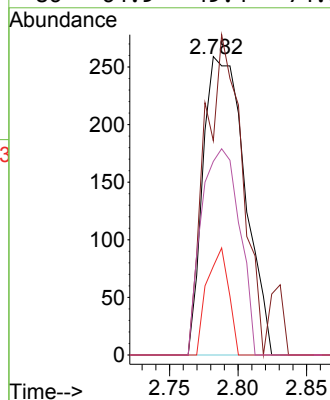
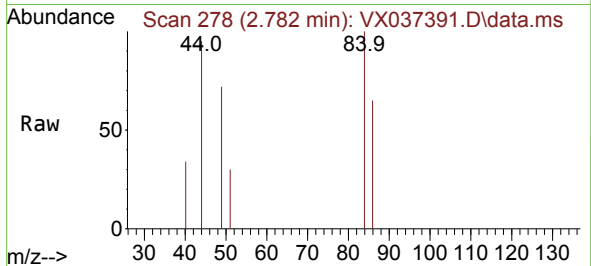




#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

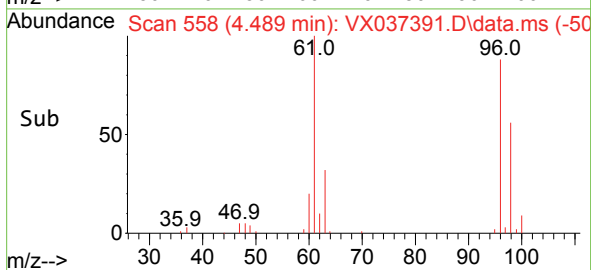
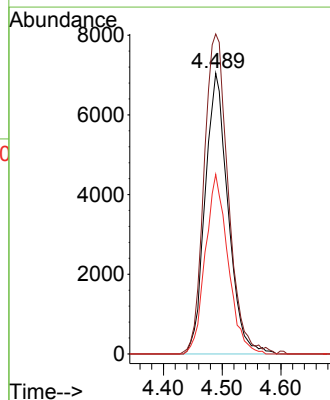
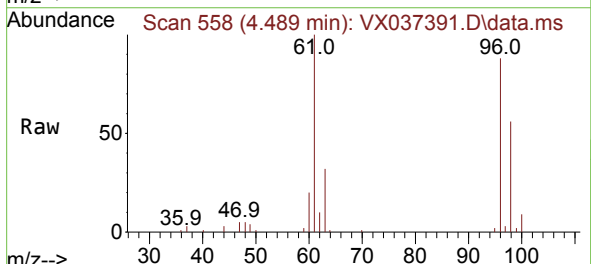
Instrument :
MSVOA_X
ClientSampleId :
MW-09-6.5-082923

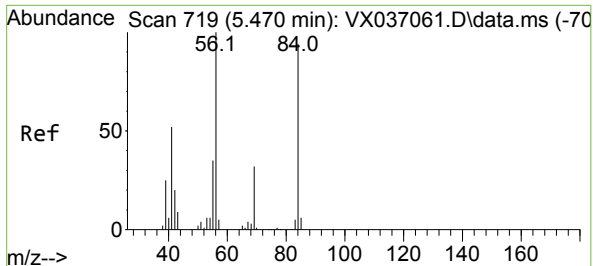
Tgt Ion: 84	Resp:	549
Ion	Ratio	Lower Upper
84	100	
49	71.8	103.6 155.4#
51	29.7	33.8 50.6#
86	64.9	49.4 74.0



#27
cis-1,2-Dichloroethene
Concen: 10.130 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

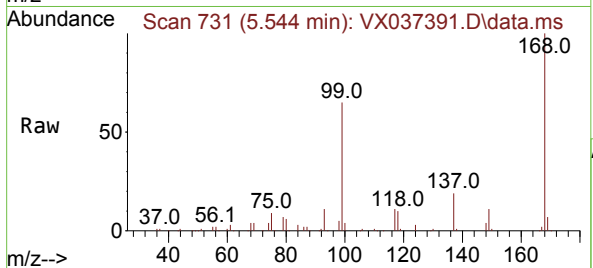
Tgt Ion: 96	Resp:	19101
Ion	Ratio	Lower Upper
96	100	
61	119.8	0.0 312.2
98	63.3	0.0 129.0



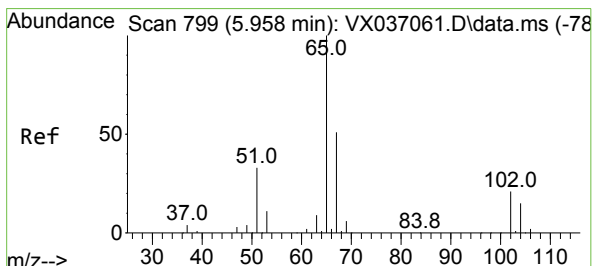
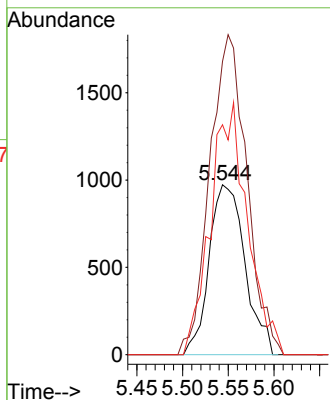
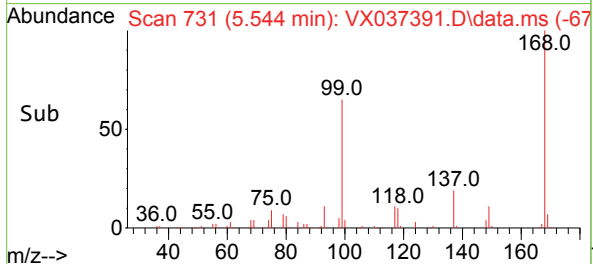


#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Instrument :
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ClientSampleId :
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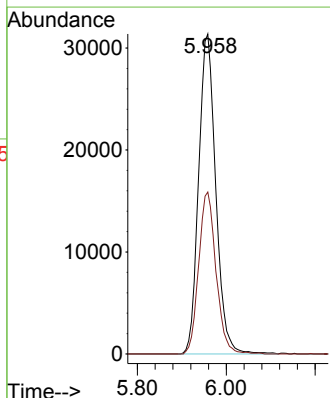
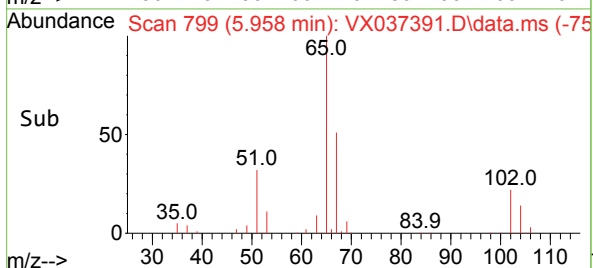
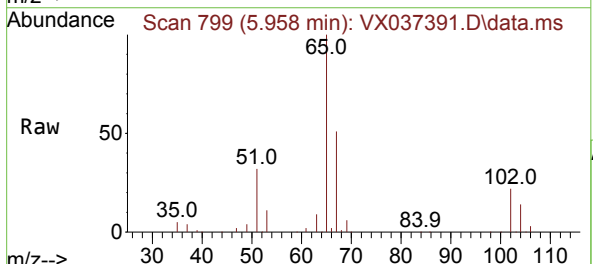


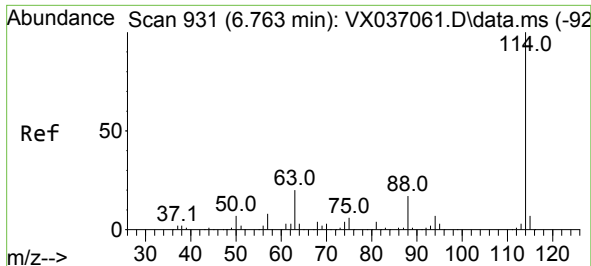
Tgt Ion: 56 Resp: 2655
Ion Ratio Lower Upper
56 100
69 172.7 23.4 35.2#
84 135.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.736 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 65 Resp: 84217
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

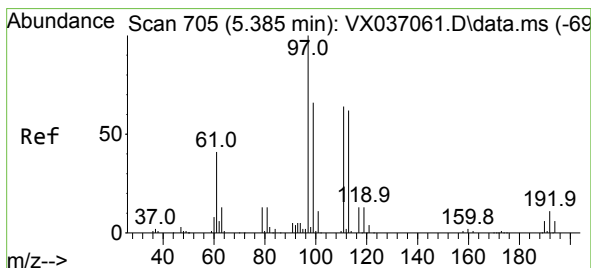
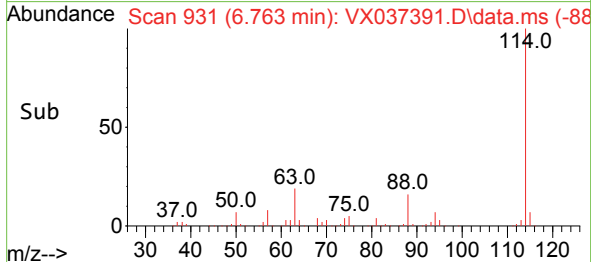
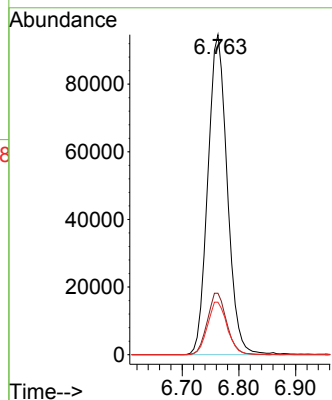
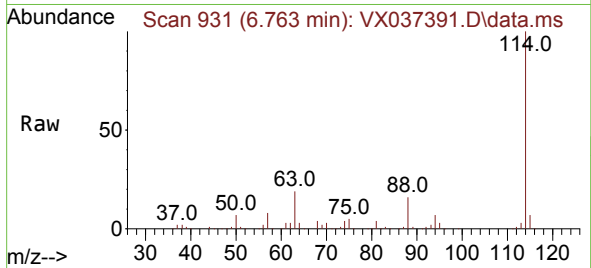




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

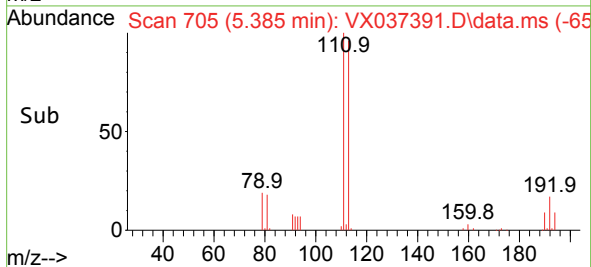
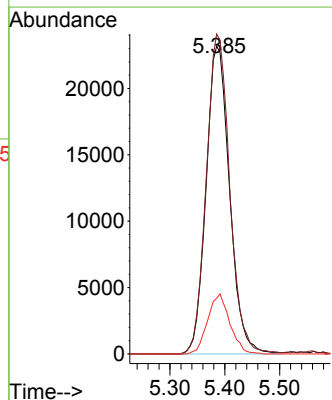
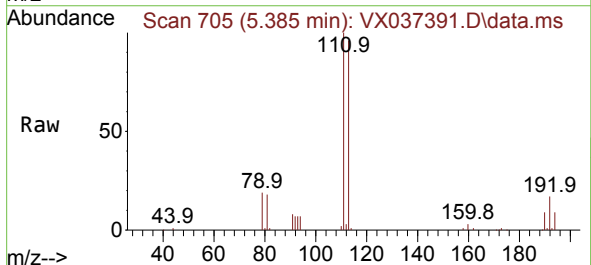
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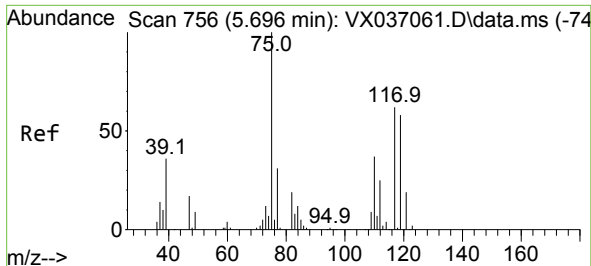
Tgt Ion:114 Resp: 225312
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.233 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion:113 Resp: 68988
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 18.4 13.3 19.9

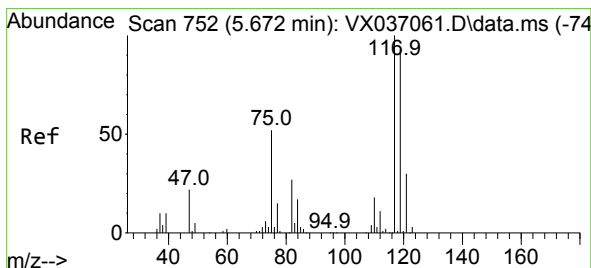
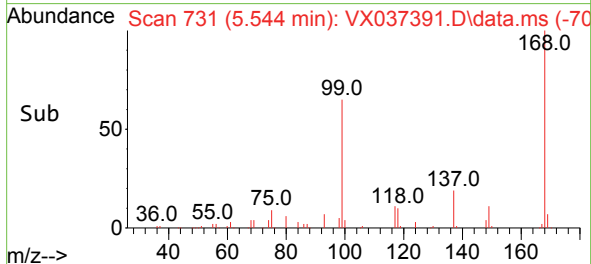
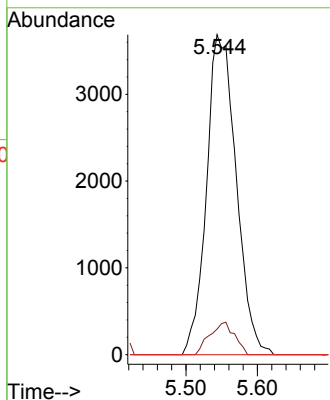
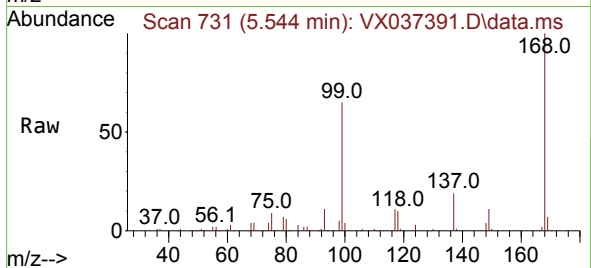




#36
1,1-Dichloropropene
Concen: 5.009 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

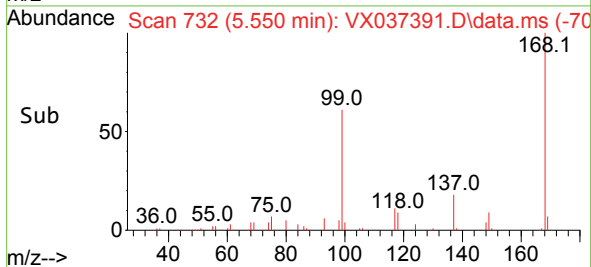
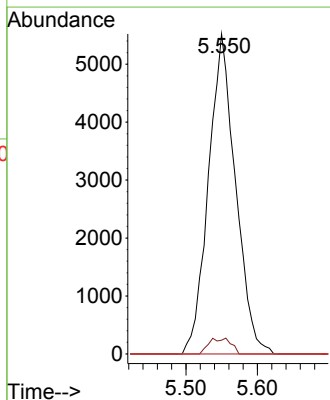
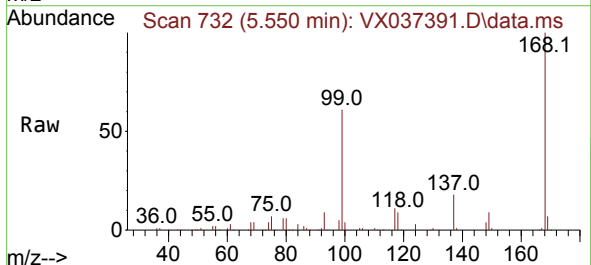
Instrument :
MSVOA_X
ClientSampleId :
MW-09-6.5-082923

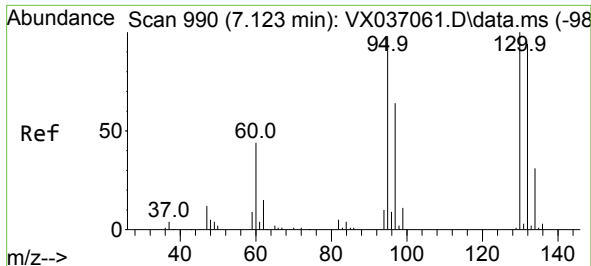
Tgt Ion: 75 Resp: 10618
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.312 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 117 Resp: 14535
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#

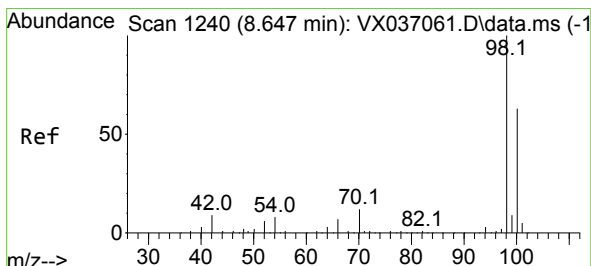
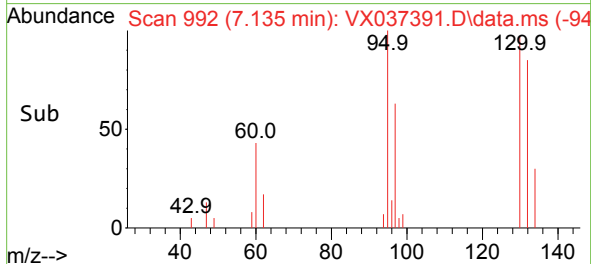
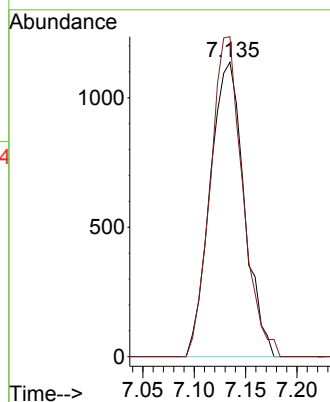
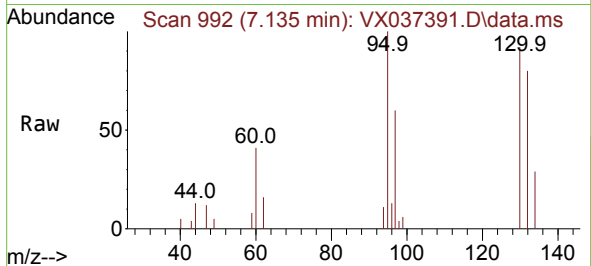




#44
Trichloroethene
Concen: 1.521 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

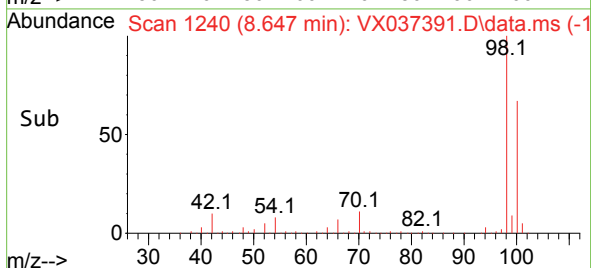
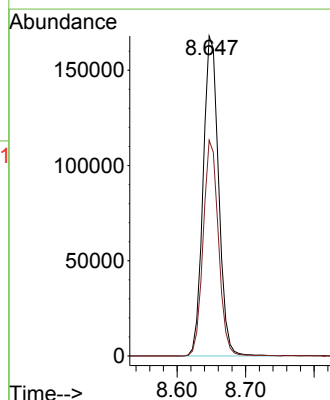
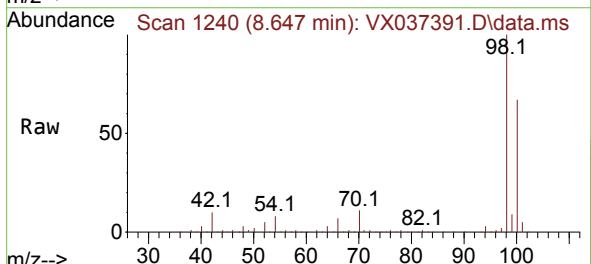
Instrument :
MSVOA_X
ClientSampleId :
MW-09-6.5-082923

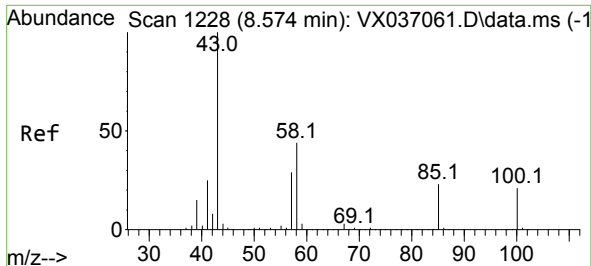
Tgt Ion:130 Resp: 2622
Ion Ratio Lower Upper
130 100
95 108.7 0.0 204.4



#50
Toluene-d8
Concen: 48.829 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 98 Resp: 264296
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

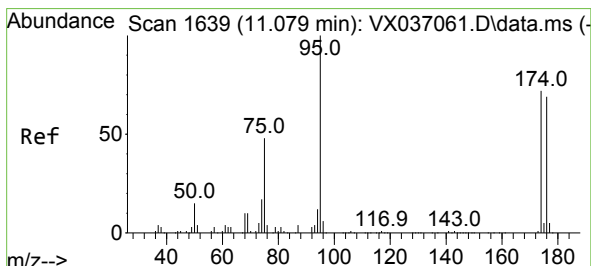
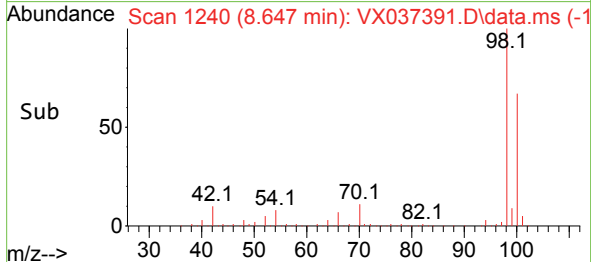
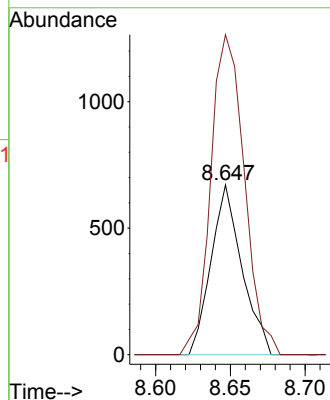
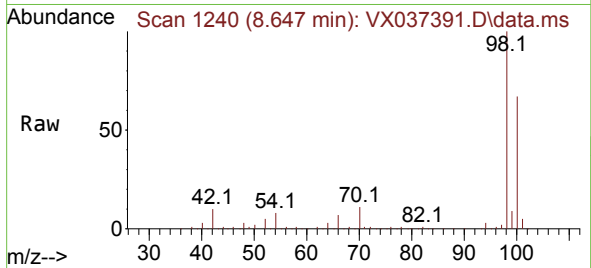




#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 8.647 min Scan# 1133
Delta R.T. 0.073 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

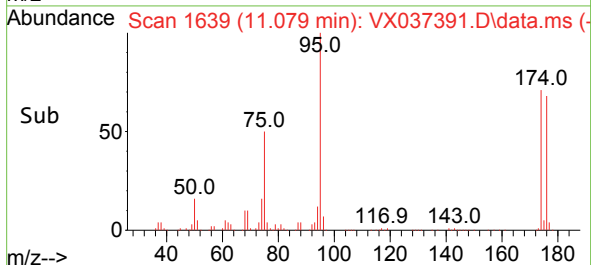
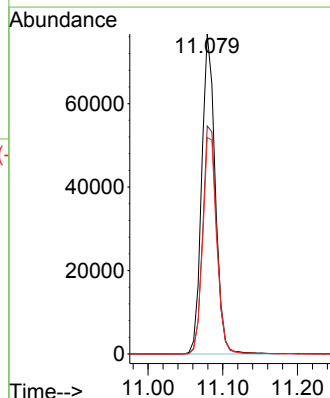
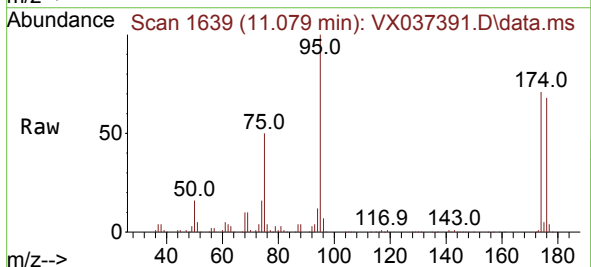
Instrument :
MSVOA_X
ClientSampleId :
MW-09-6.5-082923

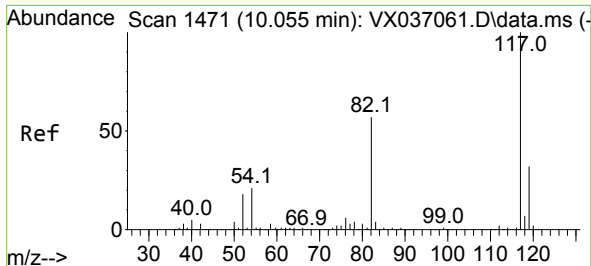
Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
58 204.8 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 45.211 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 95 Resp: 96169
Ion Ratio Lower Upper
95 100
174 74.5 0.0 135.6
176 70.5 0.0 131.0

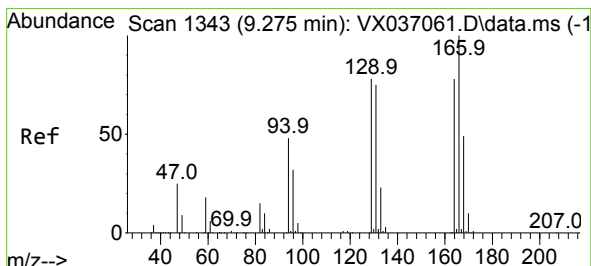
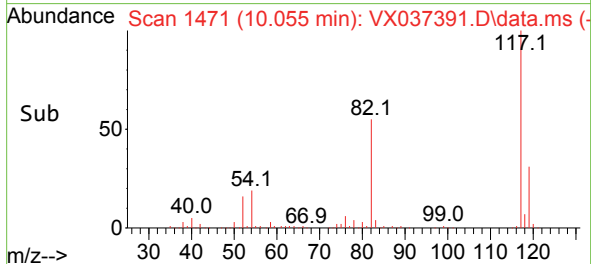
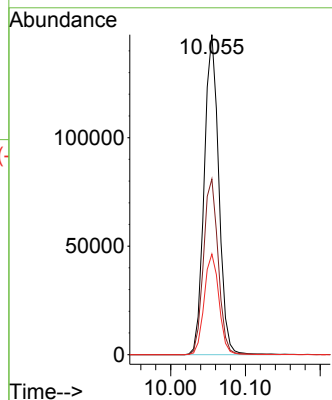
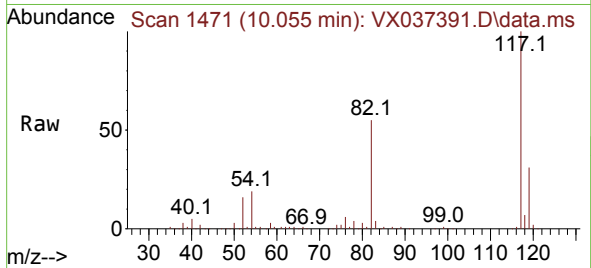




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

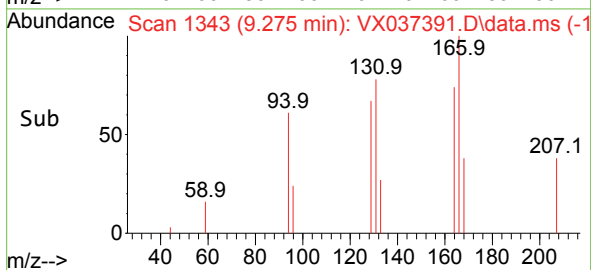
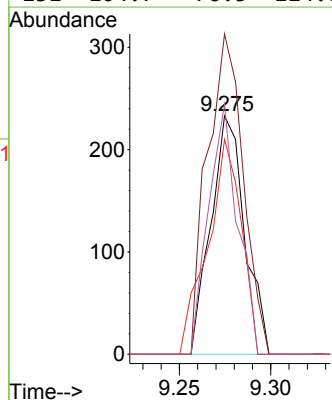
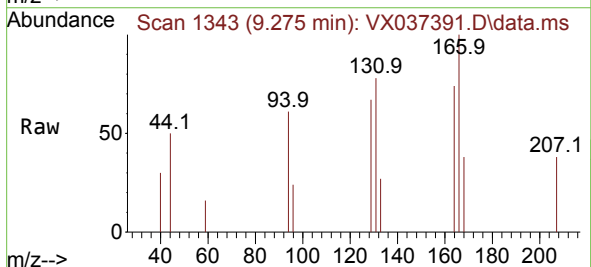
Instrument :
MSVOA_X
ClientSampleId :
MW-09-6.5-082923

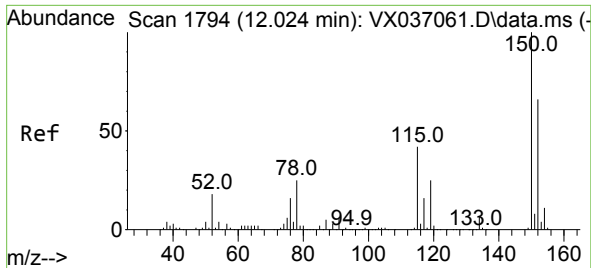
Tgt Ion:117 Resp: 199389
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 31.4 25.5 38.3



#64
Tetrachloroethene
Concen: 0.207 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion:164 Resp: 301
Ion Ratio Lower Upper
164 100
166 134.3 102.7 154.1
129 90.1 80.4 120.6
131 104.7 76.5 114.7

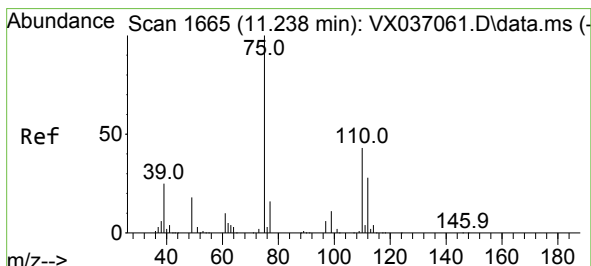
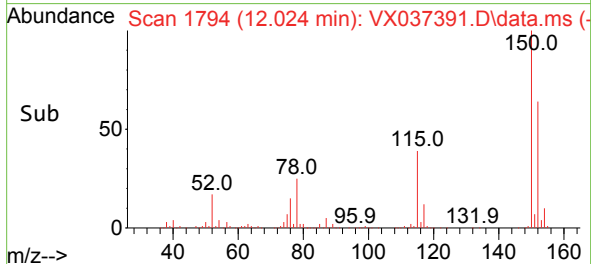
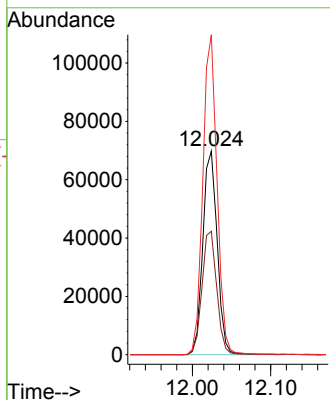
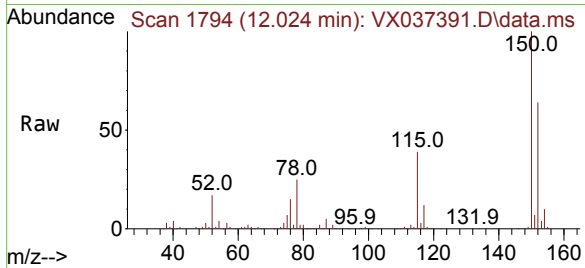




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037391.D
 Acq: 30 Aug 2023 16:06

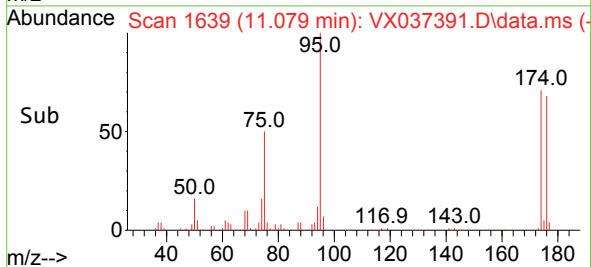
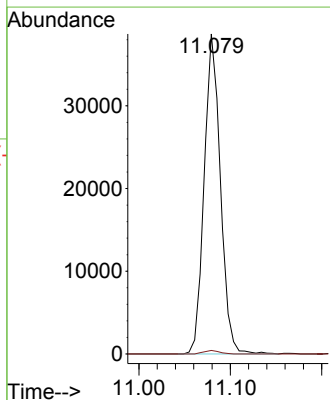
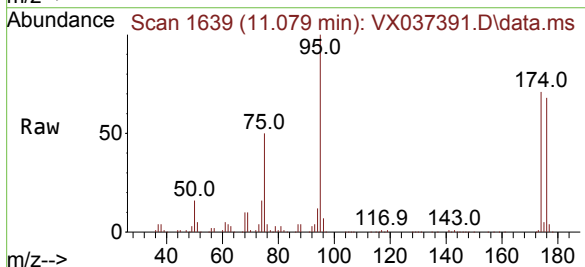
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-09-6.5-082923

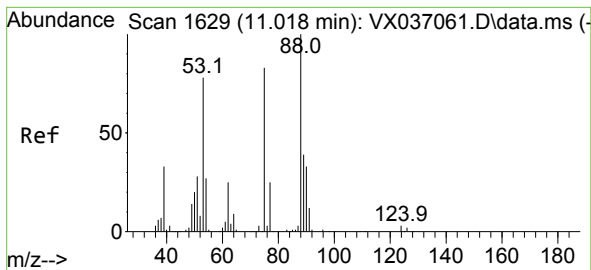
Tgt Ion:152 Resp: 89096
 Ion Ratio Lower Upper
 152 100
 115 62.1 43.3 129.9
 150 154.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.079 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037391.D
 Acq: 30 Aug 2023 16:06

Tgt Ion: 75 Resp: 47587
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.048 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037391.D
 Acq: 30 Aug 2023 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-09-6.5-082923

Tgt Ion: 75 Resp: 47587
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

