

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037298.D
 Acq On : 28 Aug 2023 16:36
 Operator : JC/MD
 Sample : 04126-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20230819

Quant Time: Aug 29 01:00:14 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)

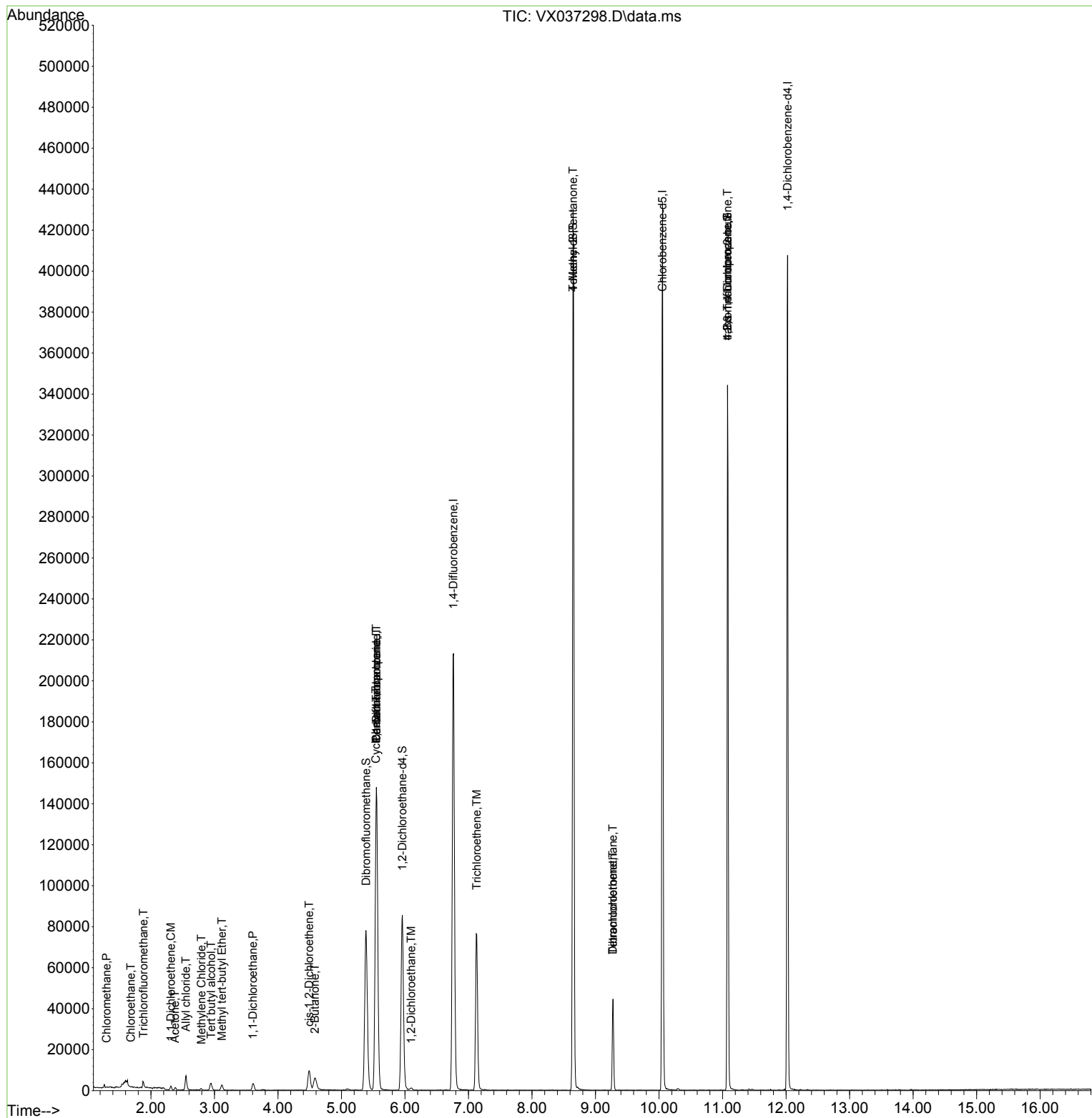
Internal Standards						
1) Pentafluorobenzene	5.550	168	139778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84640	42.002	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.000%		
35) Dibromofluoromethane	5.385	113	69545	46.018	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.040%		
50) Toluene-d8	8.647	98	266188	48.557	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.120%		
62) 4-Bromofluorobenzene	11.079	95	96362	44.730	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.460%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	362	0.255	ug/l #	43
6) Chloroethane	1.684	64	237	0.260	ug/l #	43
7) Trichlorofluoromethane	1.879	101	1878	0.741	ug/l	96
11) Tert butyl alcohol	2.946	59	2193	4.639	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	751	0.522	ug/l	89
14) Allyl chloride	2.550	41	744	0.334	ug/l #	75
16) Acetone	2.379	43	1153	1.463	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	2877	0.527	ug/l	100
20) Methylene Chloride	2.794	84	451	0.256	ug/l #	82
24) 1,1-Dichloroethane	3.605	63	4116	1.436	ug/l	93
25) 2-Butanone	4.580	43	512	0.431	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	6680	3.464	ug/l	83
31) Cyclohexane	5.543	56	2798	1.235	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11011	5.128	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14752	6.325	ug/l #	16
42) 1,2-Dichloroethane	6.098	62	1262	0.523	ug/l #	77
44) Trichloroethene	7.128	130	31496	18.038	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	987	0.467	ug/l #	1
60) Dibromochloromethane	9.274	129	8678	4.920	ug/l #	11
64) Tetrachloroethene	9.274	164	8376	5.794	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	47449	25.724	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	47449	71.850	ug/l #	5

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

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MSVOA_X
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MW202D-20230819

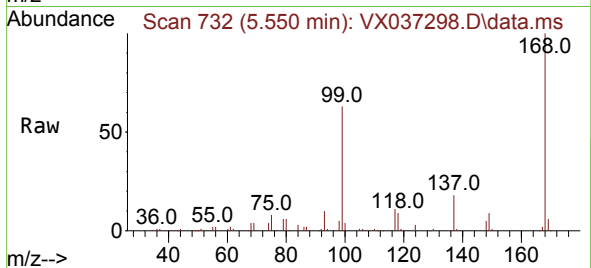
Quant Time: Aug 29 01:00:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



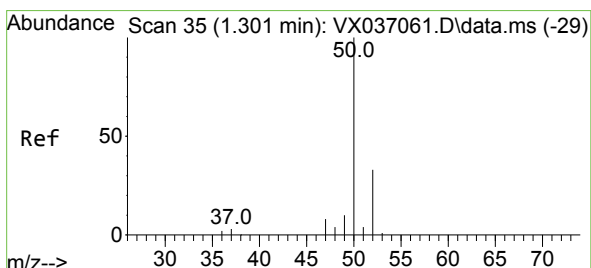
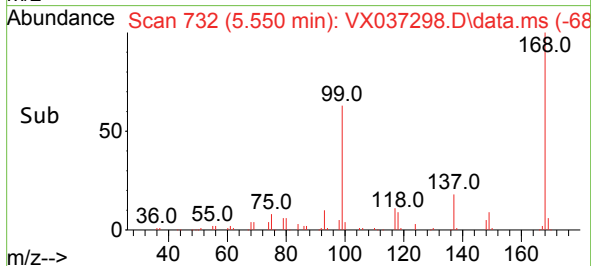
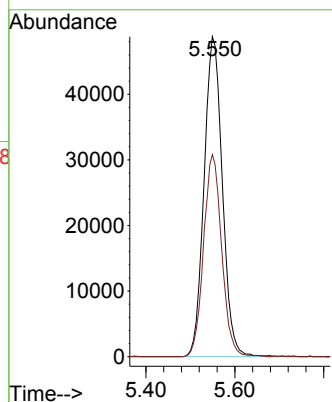


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20230819

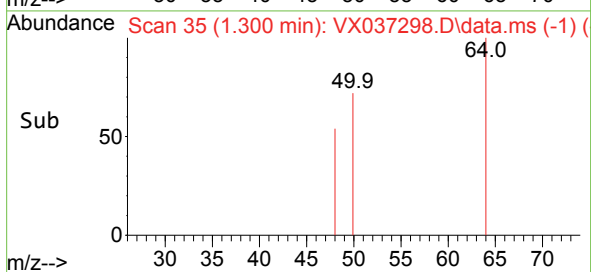
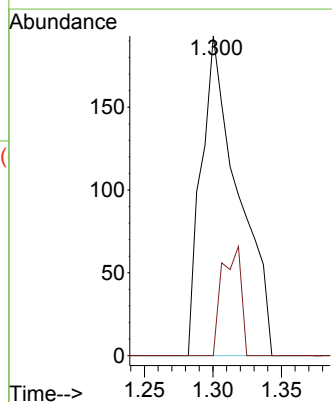
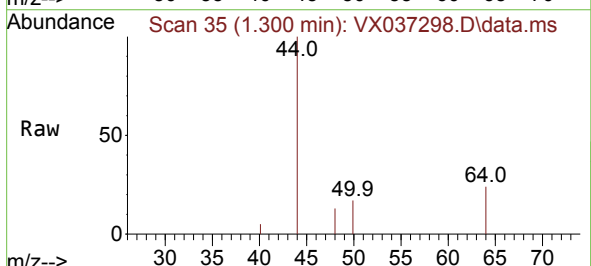


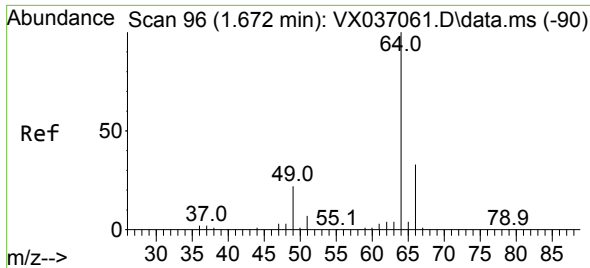
Tgt Ion:168 Resp: 139778
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0



#3
Chloromethane
Concen: 0.255 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion: 50 Resp: 362
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

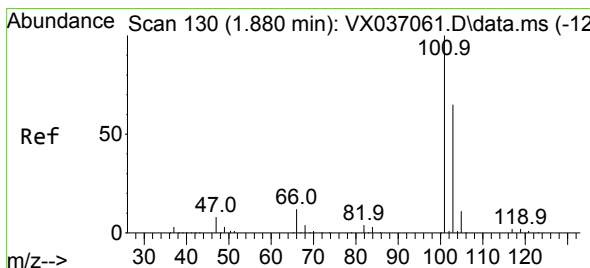
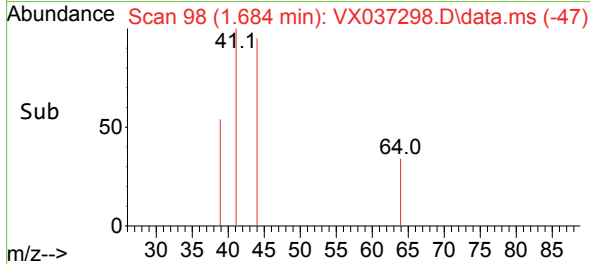
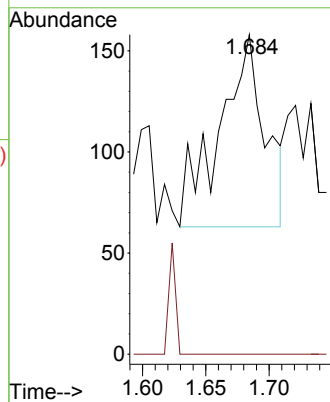
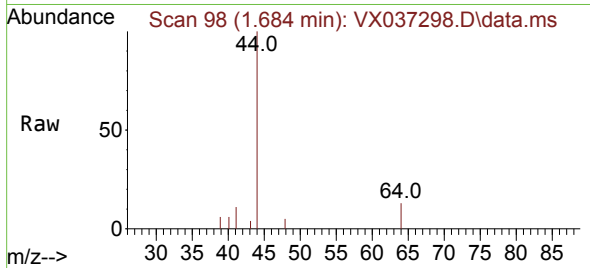




#6
Chloroethane
Concen: 0.260 ug/l
RT: 1.684 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

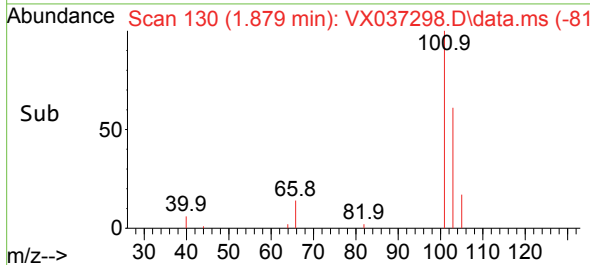
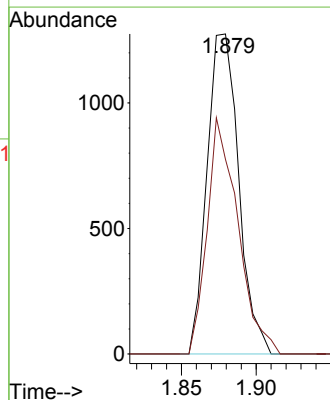
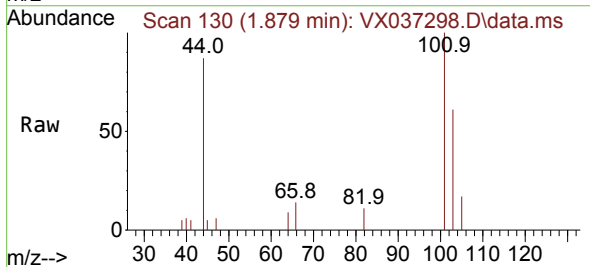
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20230819

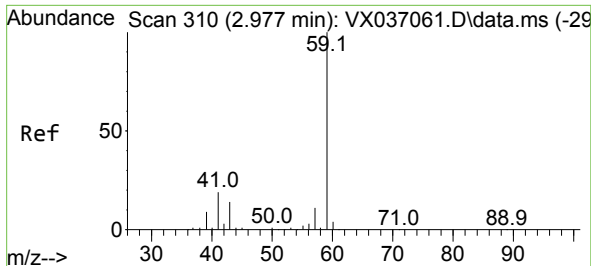
Tgt Ion: 64 Resp: 237
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#7
Trichlorofluoromethane
Concen: 0.741 ug/l
RT: 1.879 min Scan# 130
Delta R.T. -0.001 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion: 101 Resp: 1878
Ion Ratio Lower Upper
101 100
103 60.8 51.4 77.2





#11

Tert butyl alcohol

Concen: 4.639 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.031 min

Lab File: VX037298.D

Acq: 28 Aug 2023 16:36

Instrument :

MSVOA_X

ClientSampleId :

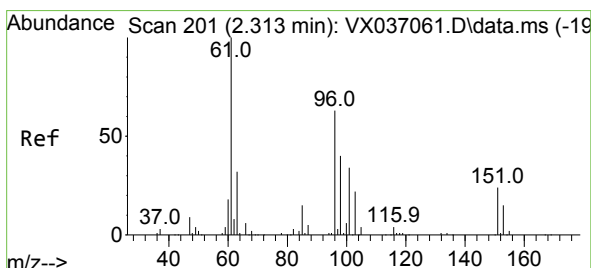
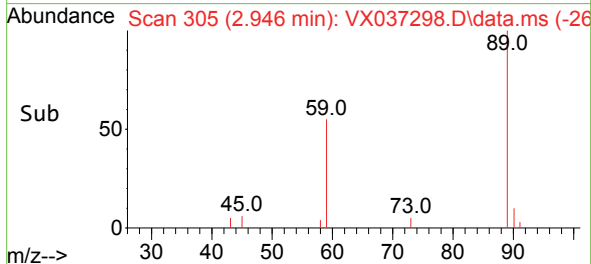
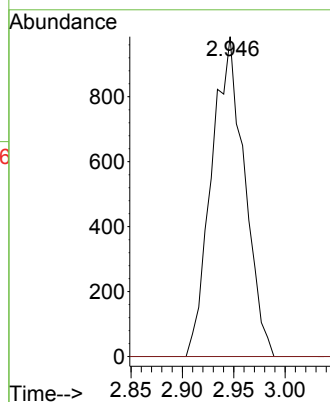
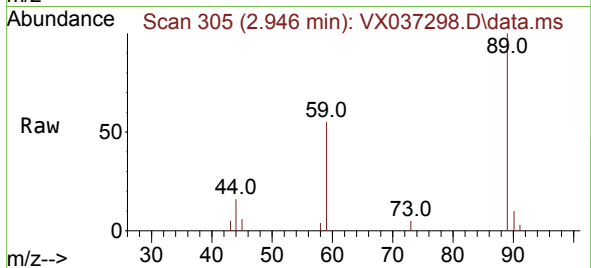
MW202D-20230819

Tgt Ion: 59 Resp: 2193

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.522 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037298.D

Acq: 28 Aug 2023 16:36

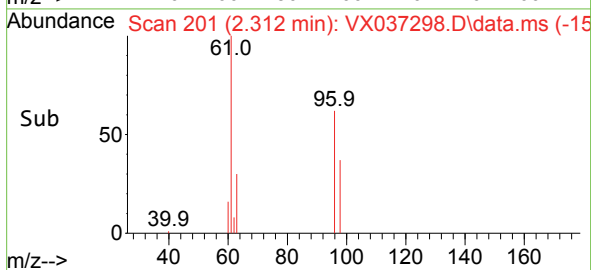
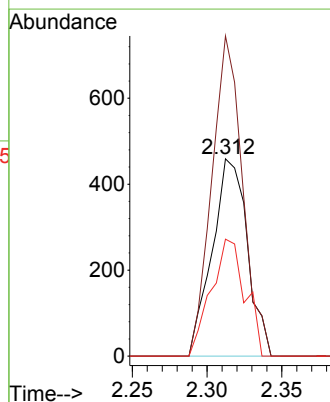
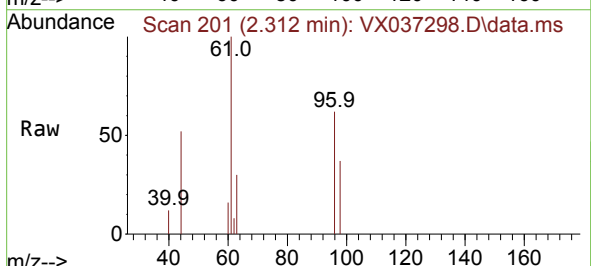
Tgt Ion: 96 Resp: 751

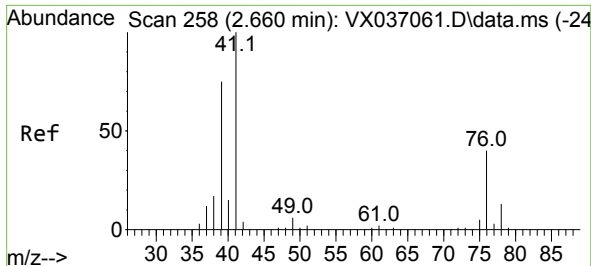
Ion Ratio Lower Upper

96 100

61 162.3 144.6 216.8

98 59.3 50.4 75.6

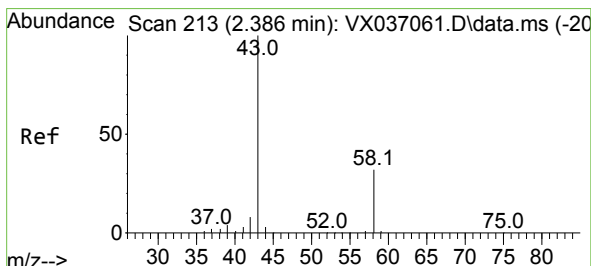
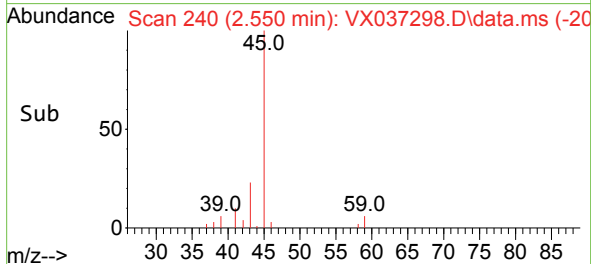
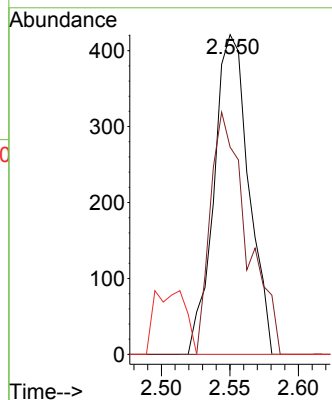
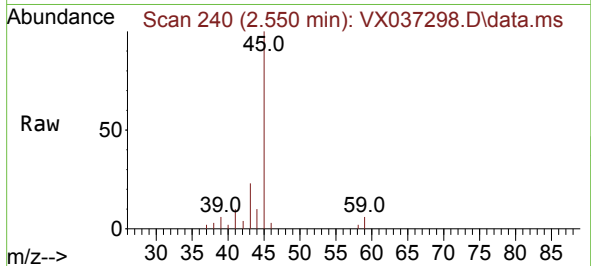




#14
 Allyl chloride
 Concen: 0.334 ug/l
 RT: 2.550 min Scan# 24
 Delta R.T. -0.110 min
 Lab File: VX037298.D
 Acq: 28 Aug 2023 16:36

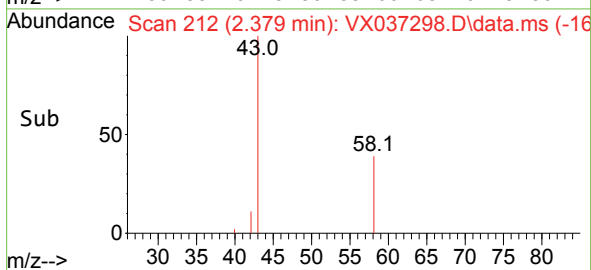
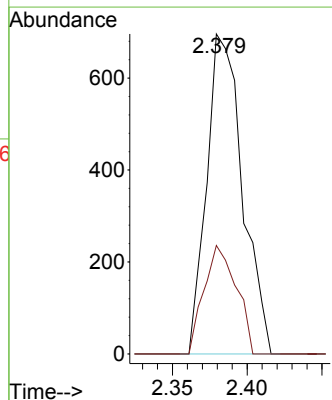
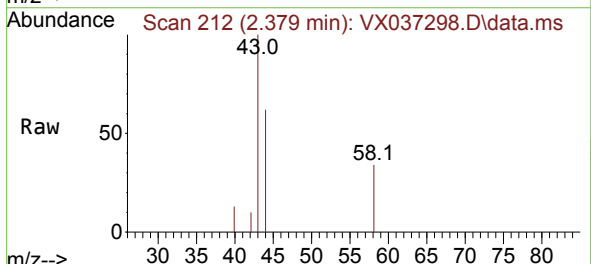
Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20230819

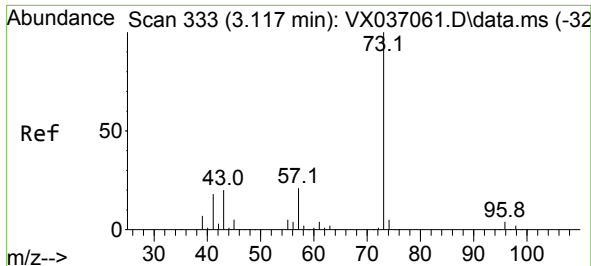
Tgt Ion: 41 Resp: 744
 Ion Ratio Lower Upper
 41 100
 39 79.4 55.8 83.6
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 1.463 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX037298.D
 Acq: 28 Aug 2023 16:36

Tgt Ion: 43 Resp: 1153
 Ion Ratio Lower Upper
 43 100
 58 33.9 21.9 32.9#

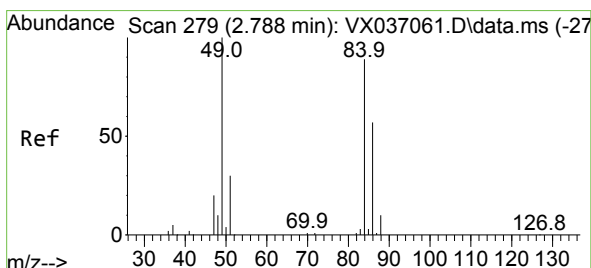
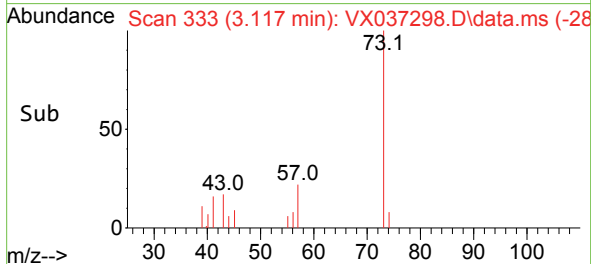
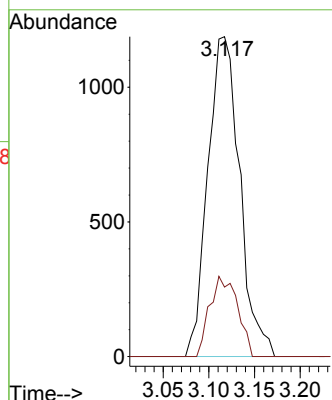
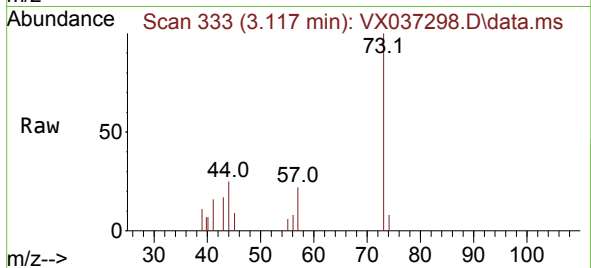




#19
Methyl tert-butyl Ether
Concen: 0.527 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

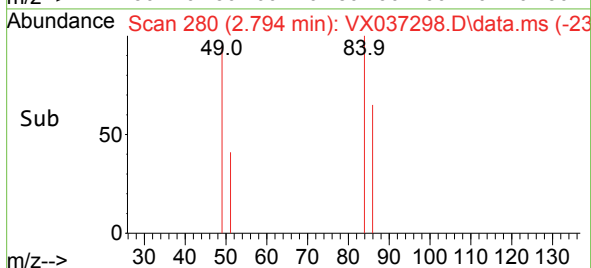
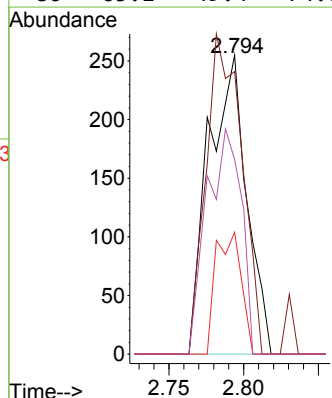
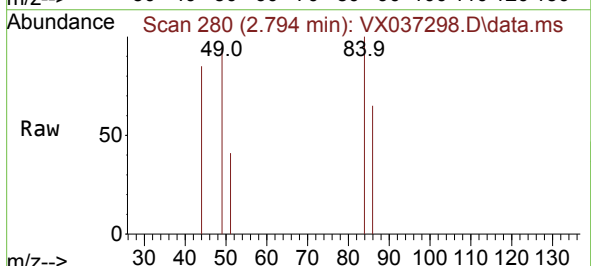
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ClientSampleId :
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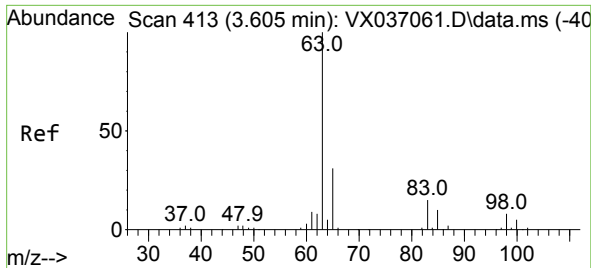
Tgt Ion: 73 Resp: 2877
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9



#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion: 84 Resp: 451
Ion Ratio Lower Upper
84 100
49 94.5 103.6 155.4#
51 40.8 33.8 50.6
86 65.1 49.4 74.0

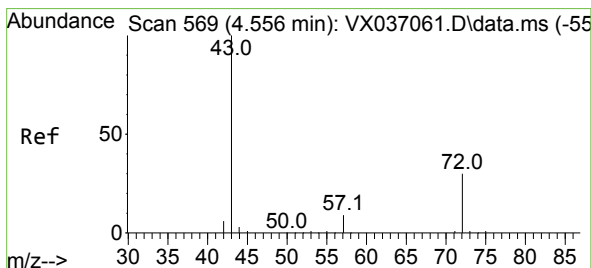
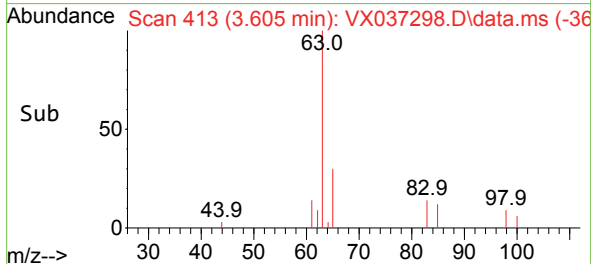
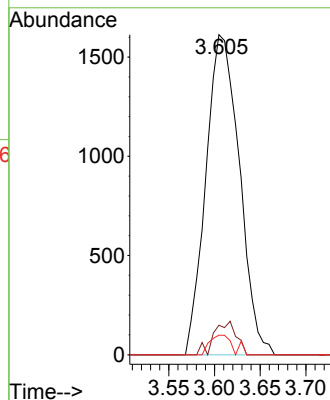
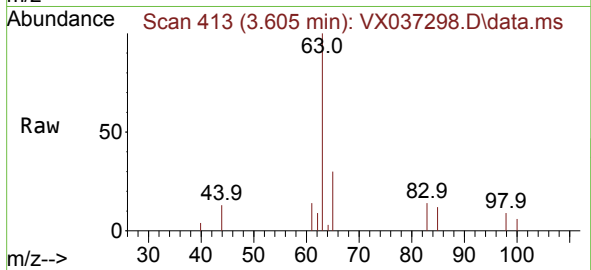




#24
1,1-Dichloroethane
Concen: 1.436 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

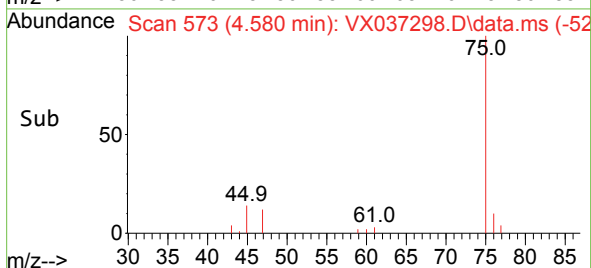
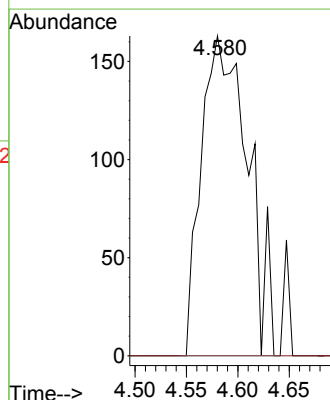
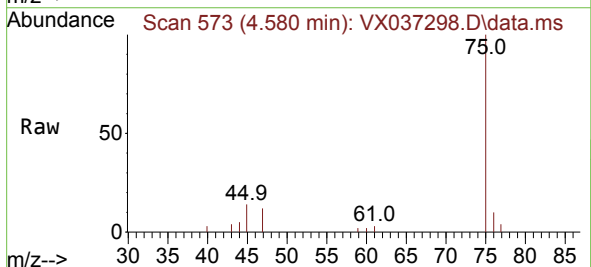
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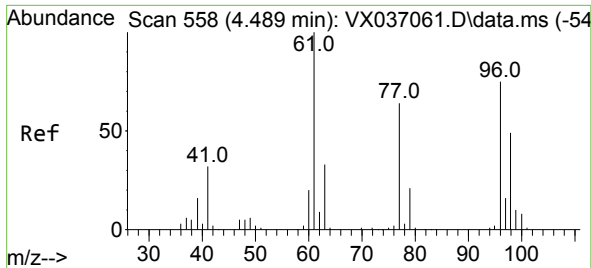
Tgt Ion:	63	Resp:	4116
Ion	Ratio	Lower	Upper
63	100		
98	9.2	3.3	9.8
100	6.1	2.1	6.5



#25
2-Butanone
Concen: 0.431 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion:	43	Resp:	512
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#

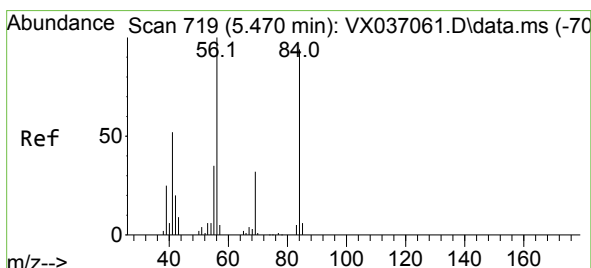
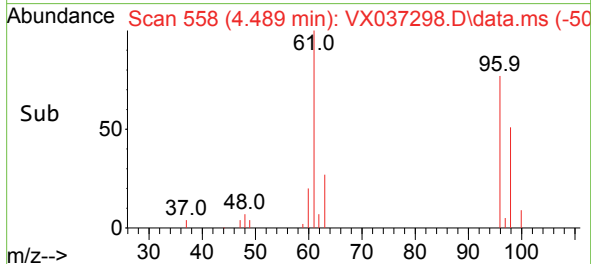
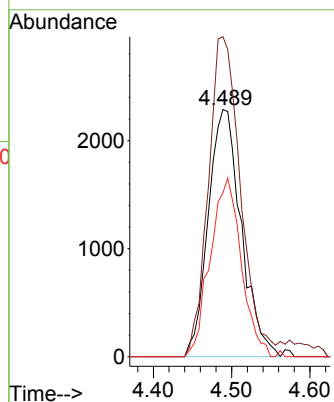
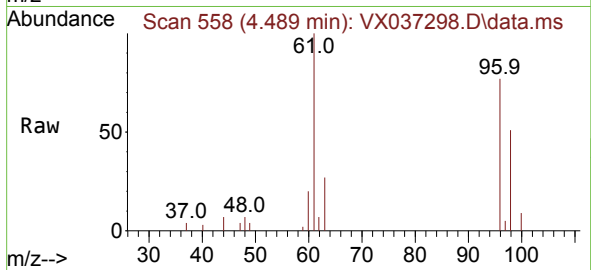




#27
cis-1,2-Dichloroethene
Concen: 3.464 ug/l
RT: 4.489 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

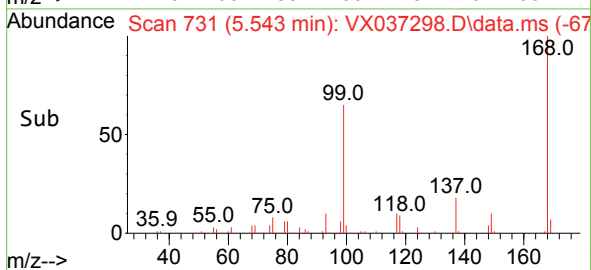
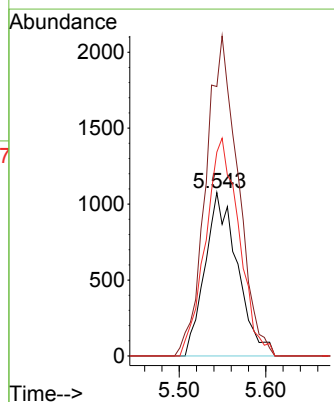
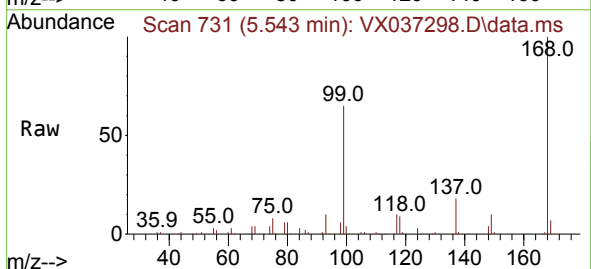
Instrument :
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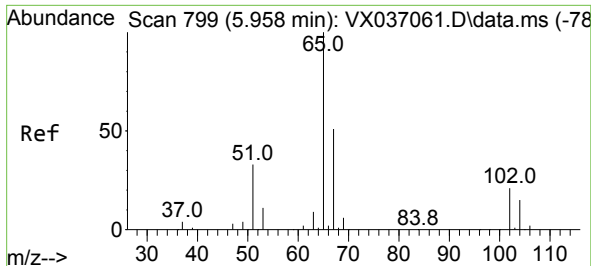
Tgt Ion: 96 Resp: 6680
Ion Ratio Lower Upper
96 100
61 126.4 0.0 312.2
98 68.1 0.0 129.0



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion: 56 Resp: 2798
Ion Ratio Lower Upper
56 100
69 164.9 23.4 35.2#
84 124.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.002 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037298.D

Acq: 28 Aug 2023 16:36

Instrument :

MSVOA_X

ClientSampleId :

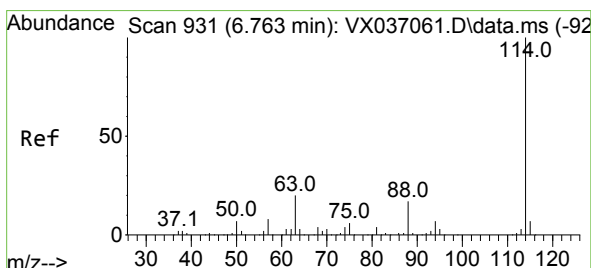
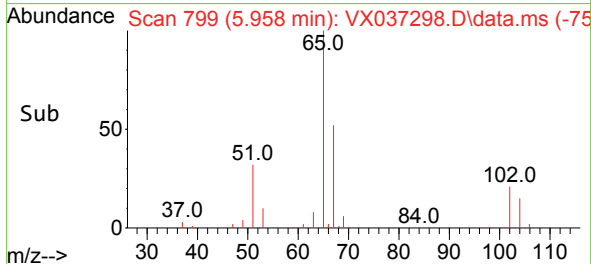
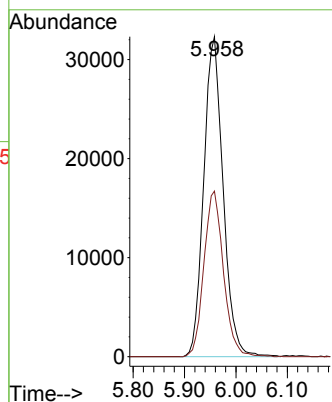
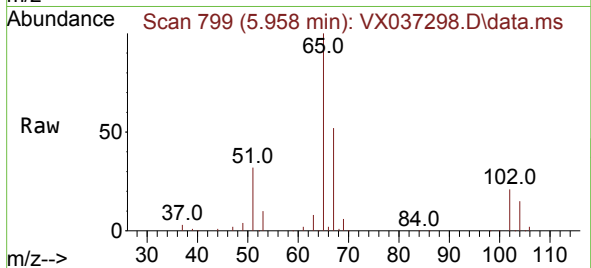
MW202D-20230819

Tgt Ion: 65 Resp: 84640

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037298.D

Acq: 28 Aug 2023 16:36

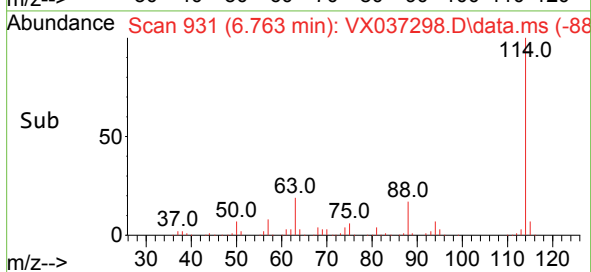
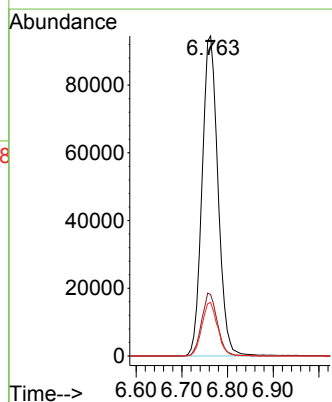
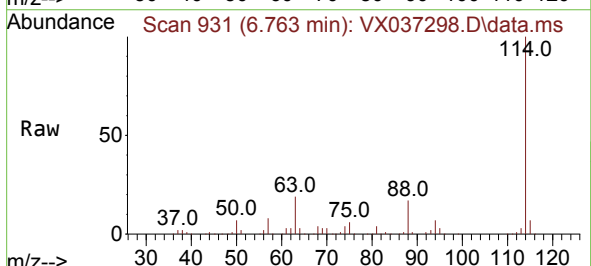
Tgt Ion: 114 Resp: 228192

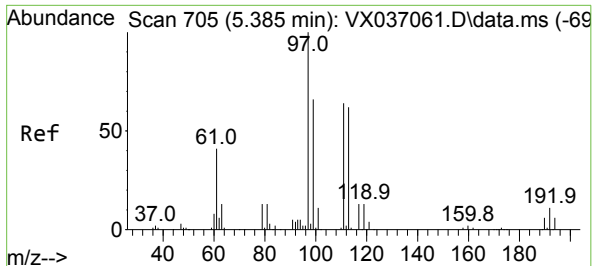
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 16.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.018 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037298.D

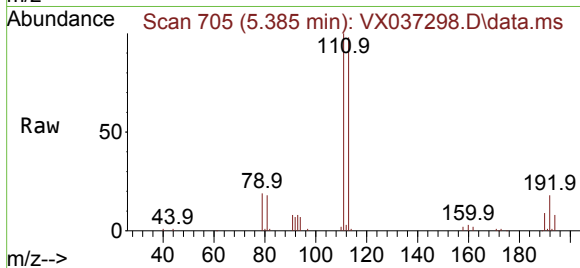
Acq: 28 Aug 2023 16:36

Instrument :

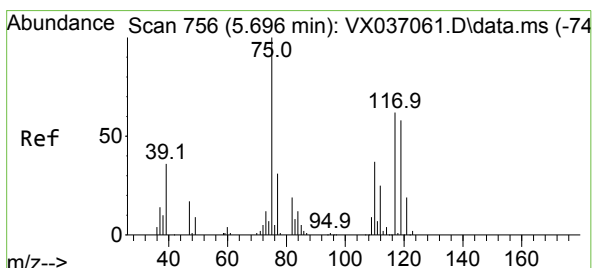
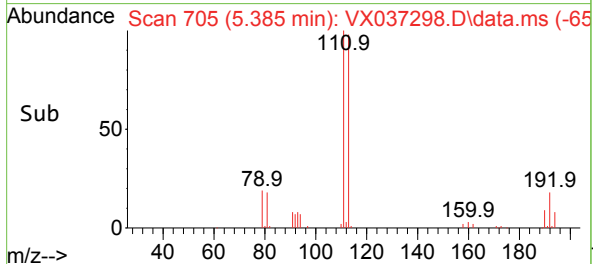
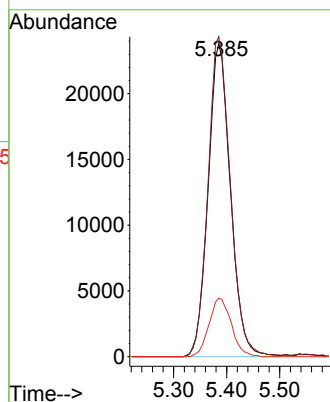
MSVOA_X

ClientSampleId :

MW202D-20230819



Tgt Ion:	113	Resp:	69545
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	18.7	13.3	19.9



#36

1,1-Dichloropropene

Concen: 5.128 ug/l

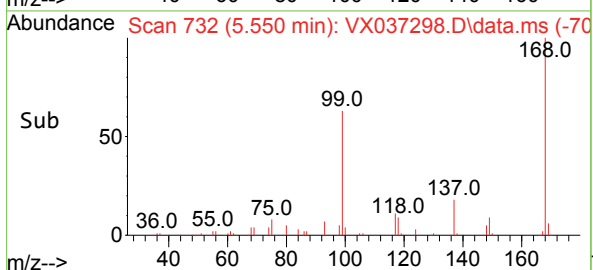
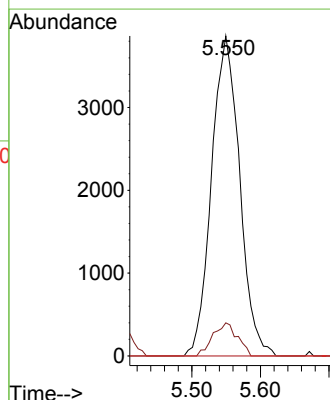
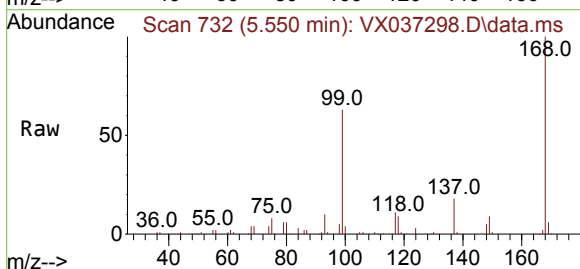
RT: 5.550 min Scan# 732

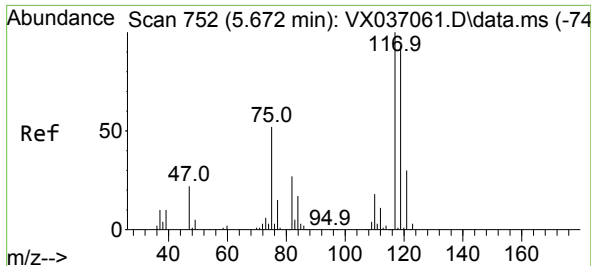
Delta R.T. -0.147 min

Lab File: VX037298.D

Acq: 28 Aug 2023 16:36

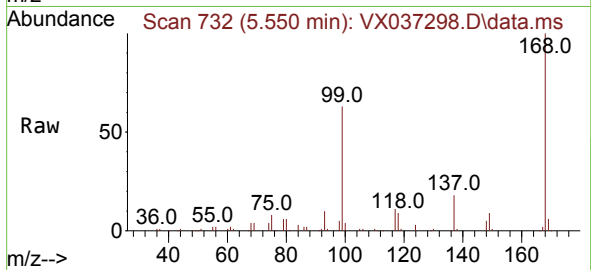
Tgt Ion:	75	Resp:	11011
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.0	50.9#
77	0.0	24.7	37.1#



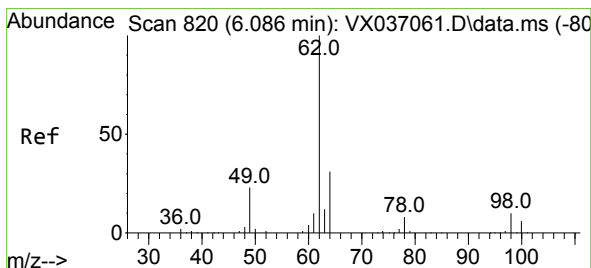
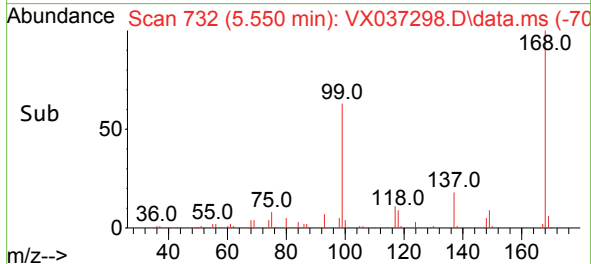
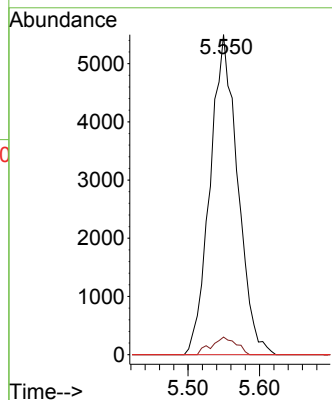


#38
Carbon Tetrachloride
Concen: 6.325 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20230819

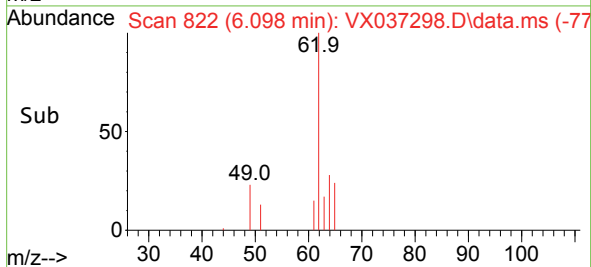
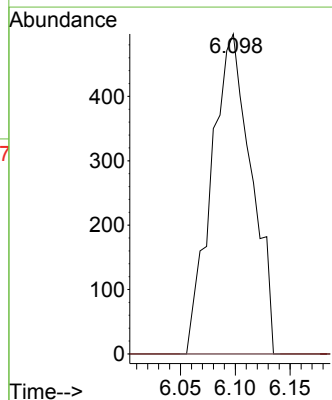
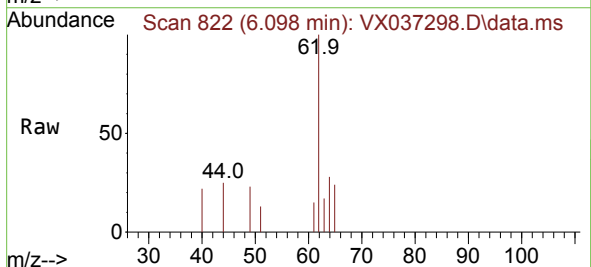


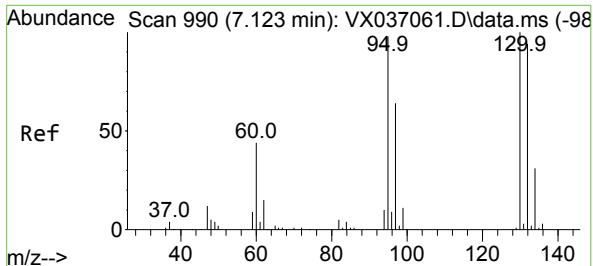
Tgt Ion:117 Resp: 14752
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.523 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion: 62 Resp: 1262
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

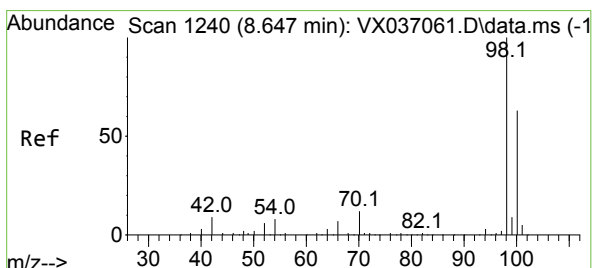
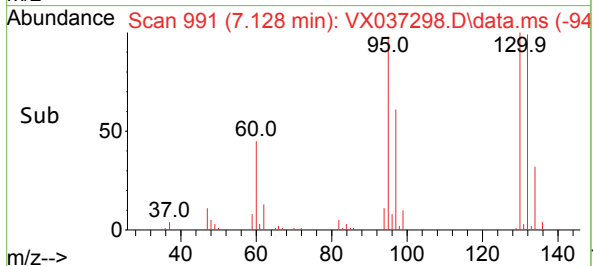
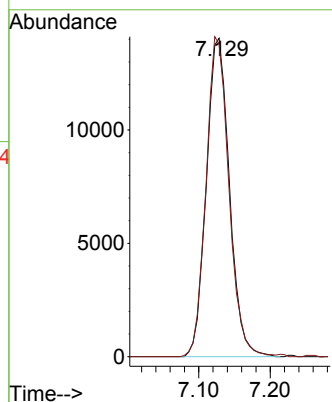
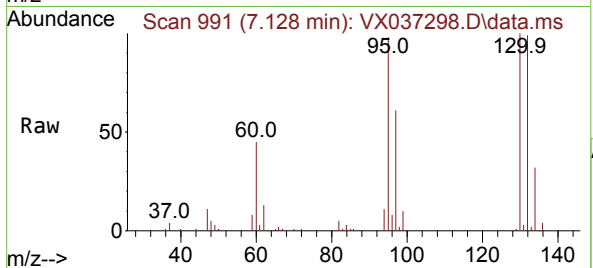




#44
Trichloroethene
Concen: 18.038 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

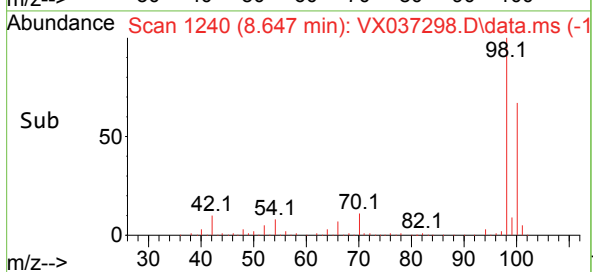
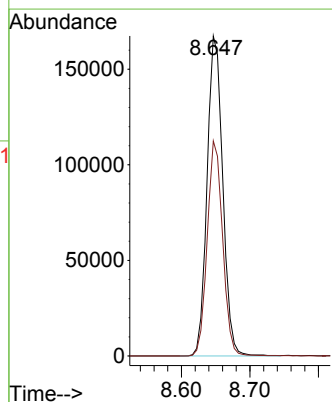
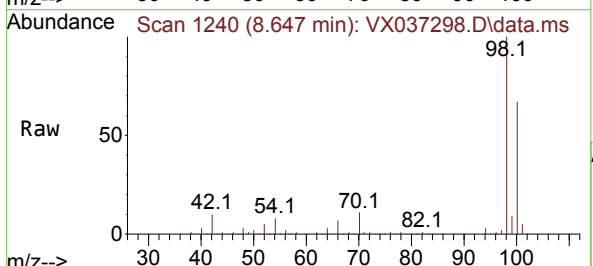
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20230819

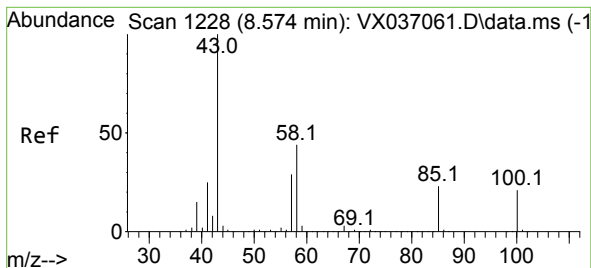
Tgt Ion:130 Resp: 31496
Ion Ratio Lower Upper
130 100
95 98.1 0.0 204.4



#50
Toluene-d8
Concen: 48.557 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion: 98 Resp: 266188
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

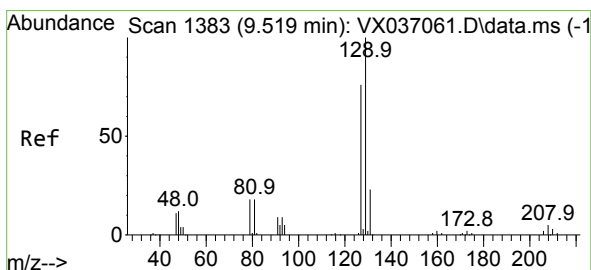
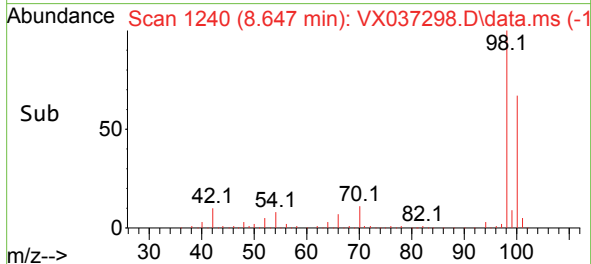
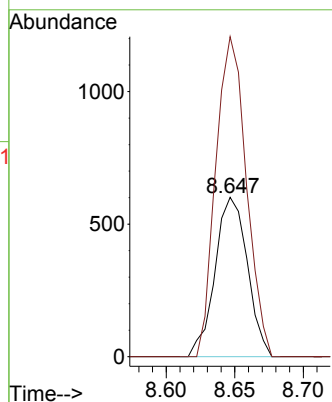
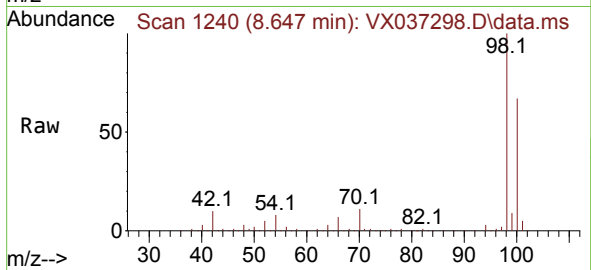




#51
4-Methyl-2-Pentanone
Concen: 0.467 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

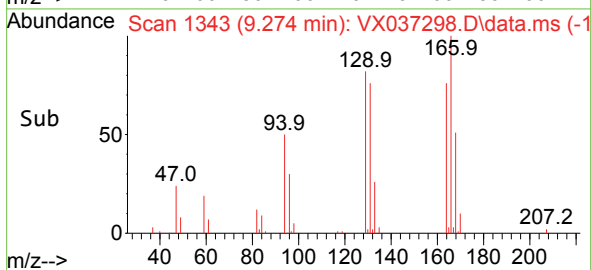
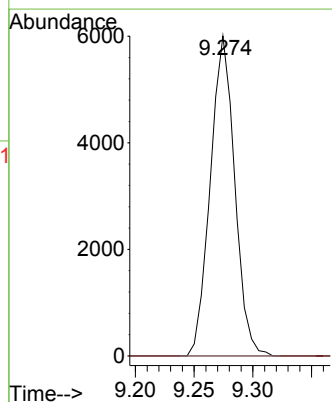
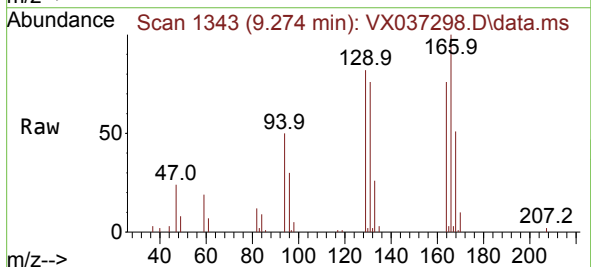
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20230819

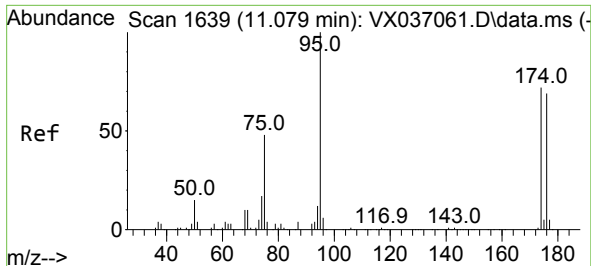
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
58 189.7 30.4 45.6#



#60
Dibromochloromethane
Concen: 4.920 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion: 129 Resp: 8678
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

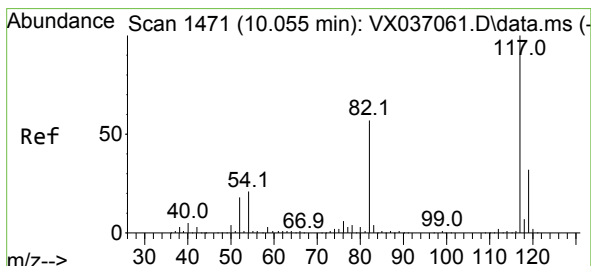
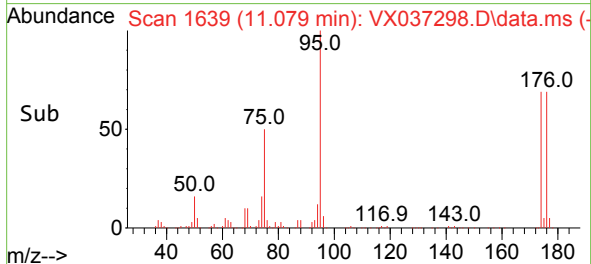
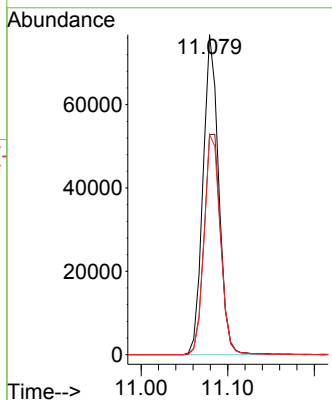
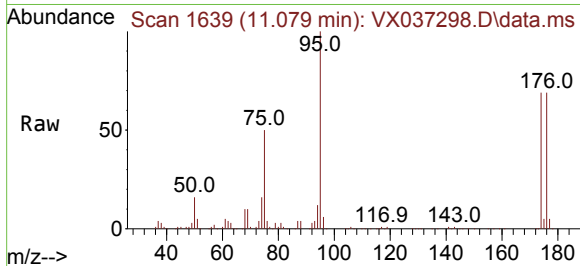




#62
4-Bromofluorobenzene
Concen: 44.730 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

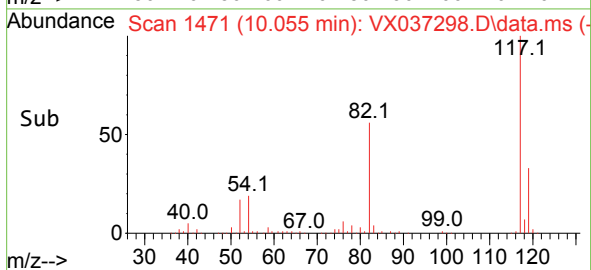
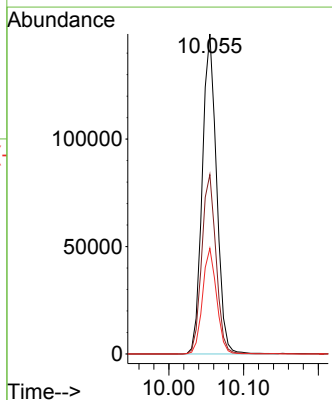
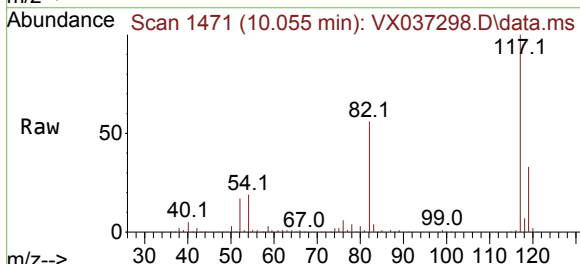
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20230819

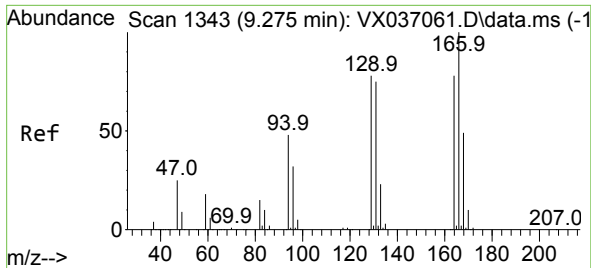
Tgt Ion: 95 Resp: 96362
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 71.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion: 117 Resp: 198168
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 33.0 25.5 38.3

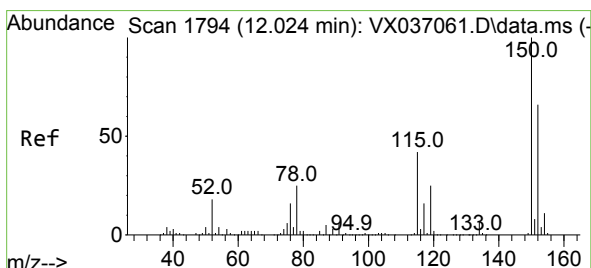
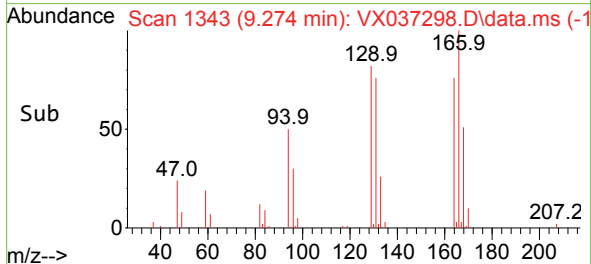
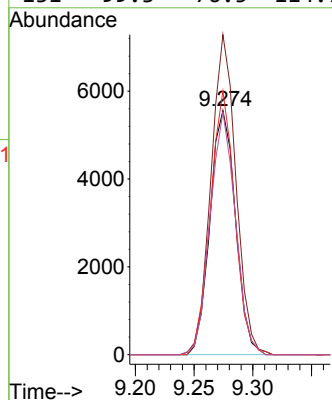
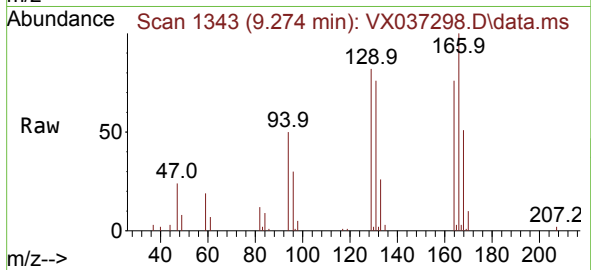




#64
Tetrachloroethene
Concen: 5.794 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

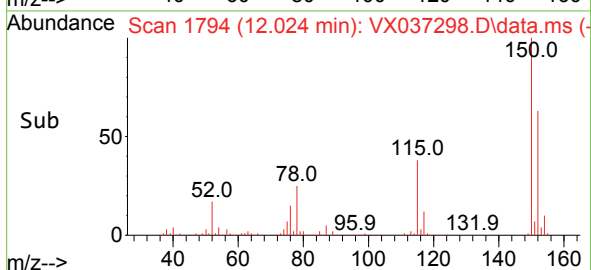
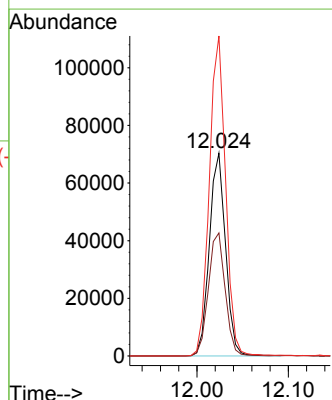
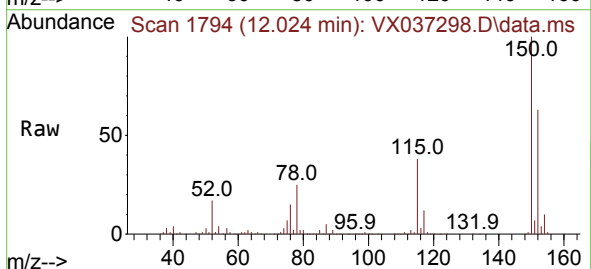
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20230819

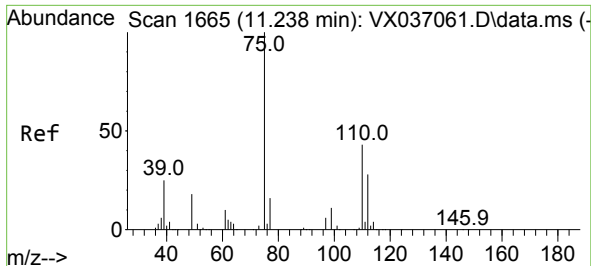
Tgt Ion:164 Resp: 8376
Ion Ratio Lower Upper
164 100
166 131.1 102.7 154.1
129 108.0 80.4 120.6
131 99.3 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion:152 Resp: 86610
Ion Ratio Lower Upper
152 100
115 62.9 43.3 129.9
150 158.4 0.0 345.0

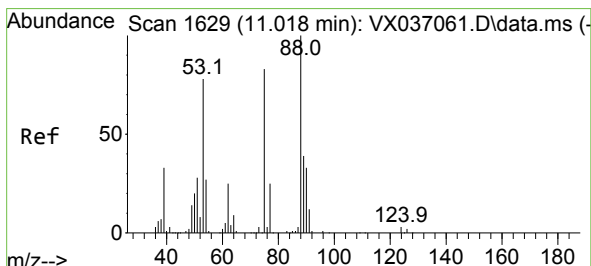
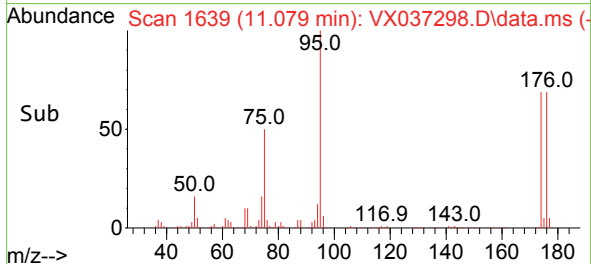
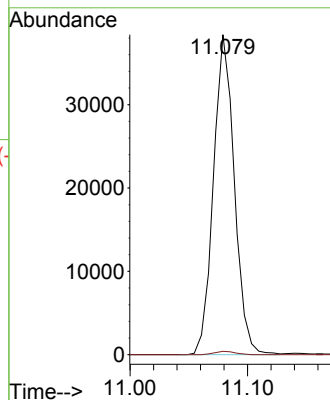
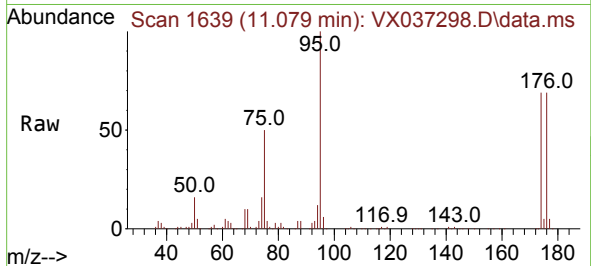




#76
1,2,3-Trichloropropane
Concen: 25.724 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20230819

Tgt Ion: 75 Resp: 47449
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.850 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037298.D
Acq: 28 Aug 2023 16:36

Tgt Ion: 75 Resp: 47449
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

