

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037304.D
 Acq On : 28 Aug 2023 19:02
 Operator : JC/MD
 Sample : 04126-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW305D-20230819

Quant Time: Aug 29 01:02:36 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)

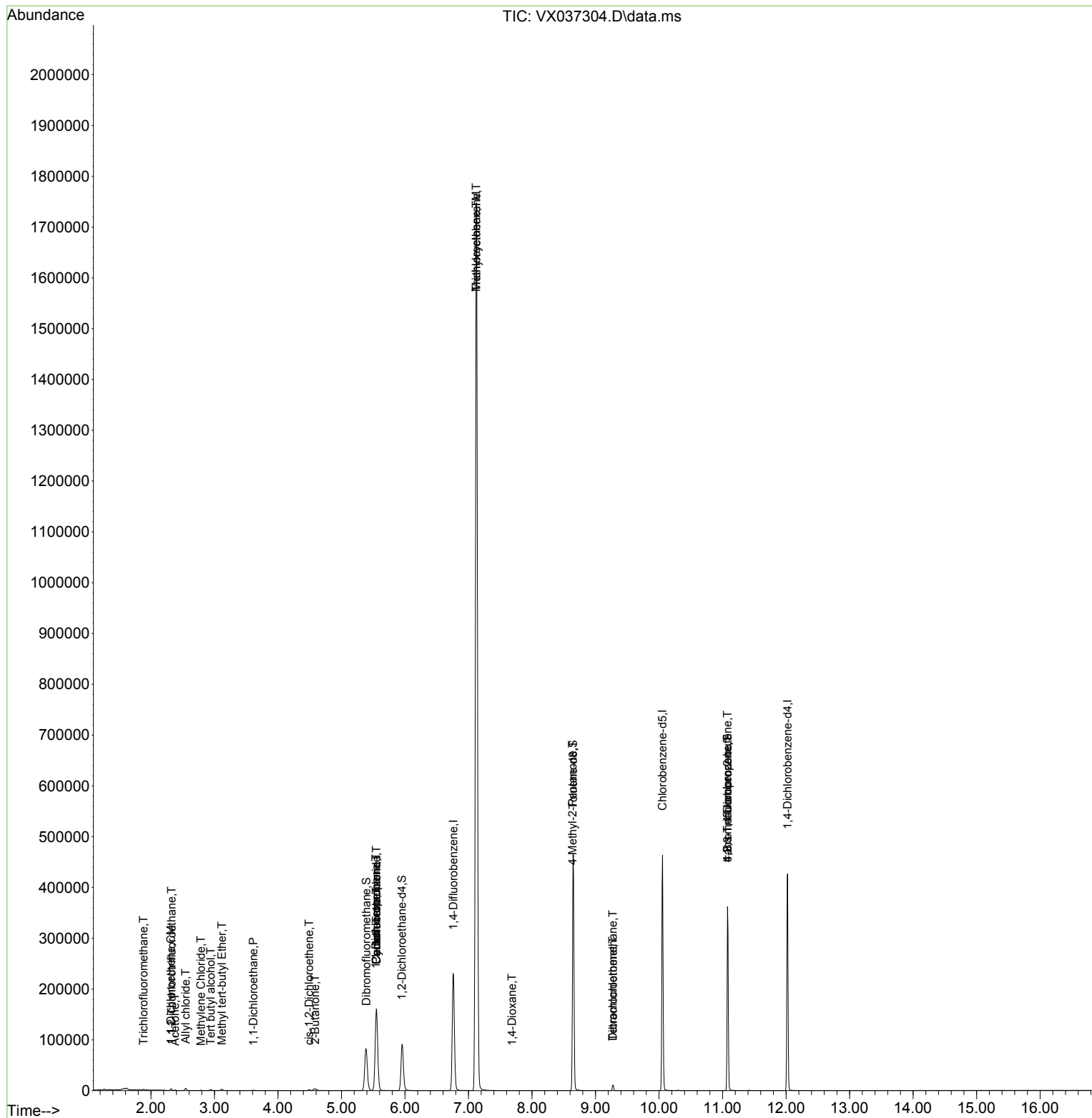
Internal Standards						
1) Pentafluorobenzene	5.550	168	150247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91450	42.219	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.440%
35) Dibromofluoromethane	5.391	113	74830	45.840	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.680%
50) Toluene-d8	8.647	98	286701	48.418	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.840%
62) 4-Bromofluorobenzene	11.079	95	101318	43.540	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.080%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	1.880	101	832	0.306	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	502	0.316	ug/l	91
11) Tert butyl alcohol	2.940	59	1254	2.468	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	891	0.576	ug/l	90
14) Allyl chloride	2.544	41	516	0.216	ug/l #	80
16) Acetone	2.380	43	1226	1.447	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	2972	0.507	ug/l #	84
20) Methylene Chloride	2.788	84	421	0.222	ug/l #	65
24) 1,1-Dichloroethane	3.611	63	1168	0.379	ug/l #	83
25) 2-Butanone	4.586	43	271	0.212	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	991	0.478	ug/l	83
31) Cyclohexane	5.550	56	2940	1.207	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	12008	5.178	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15837	6.286	ug/l #	15
39) Methylcyclohexane	7.123	83	8439	3.463	ug/l #	1
44) Trichloroethene	7.123	130	709604	376.235	ug/l	97
49) 1,4-Dioxane	7.683	88	45	0.911	ug/l #	12
51) 4-Methyl-2-Pentanone	8.641	43	1055	0.462	ug/l #	1
60) Dibromochloromethane	9.275	129	2176	1.142	ug/l #	11
64) Tetrachloroethene	9.275	164	2129	1.371	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	51315	26.022	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	51315	72.682	ug/l #	5

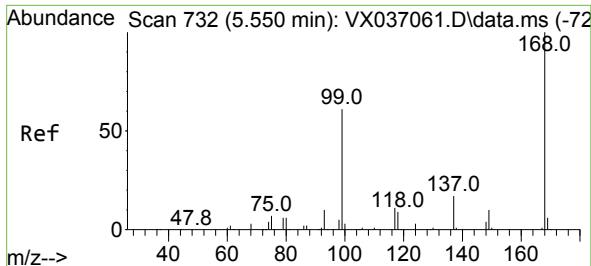
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

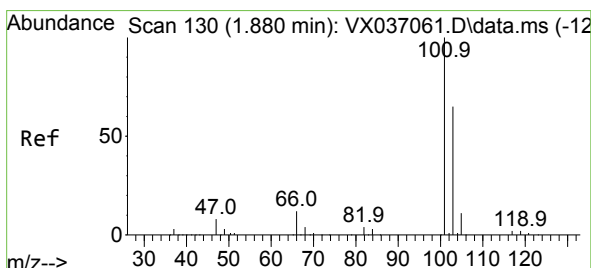
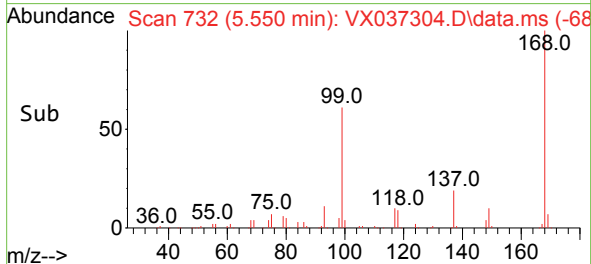
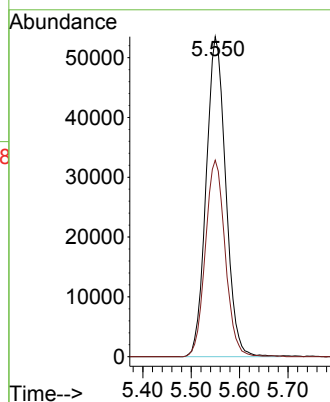
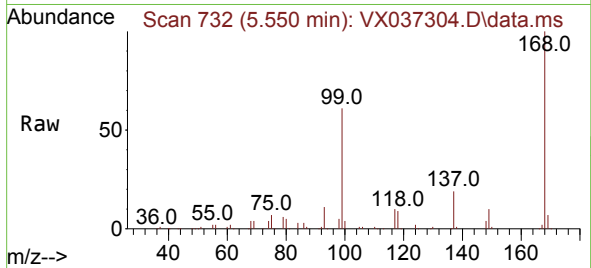




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

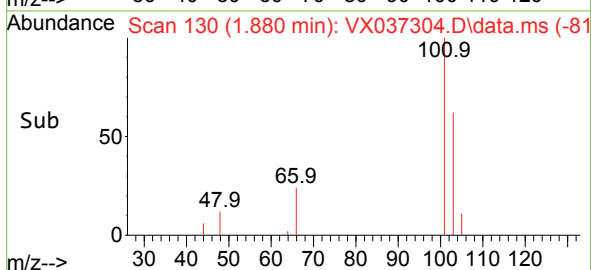
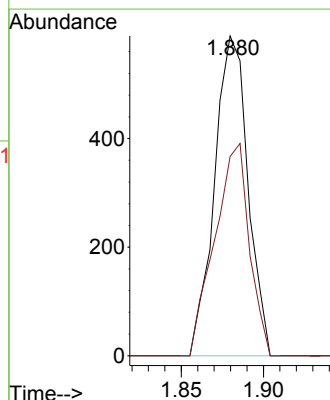
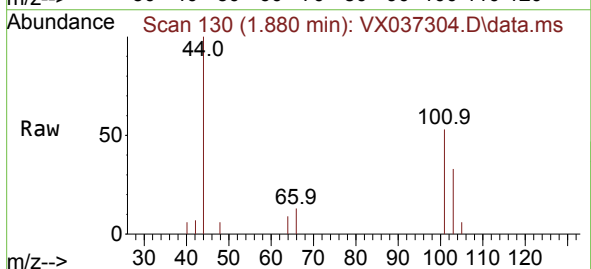
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

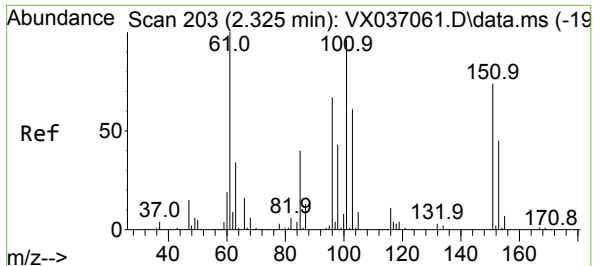
Tgt Ion:168 Resp: 150247
Ion Ratio Lower Upper
168 100
99 61.4 56.6 85.0



#7
Trichlorofluoromethane
Concen: 0.306 ug/l
RT: 1.880 min Scan# 130
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion:101 Resp: 832
Ion Ratio Lower Upper
101 100
103 62.3 51.4 77.2

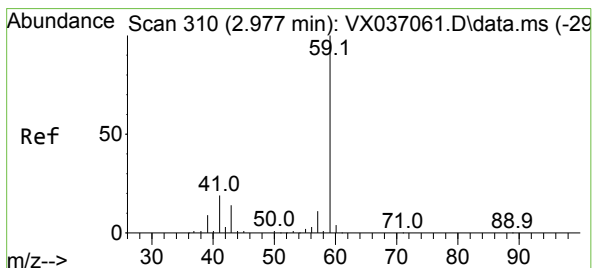
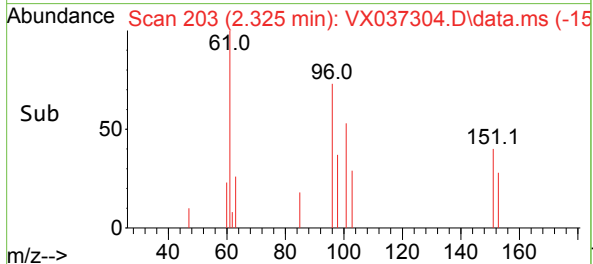
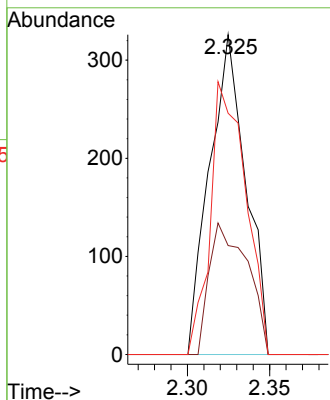
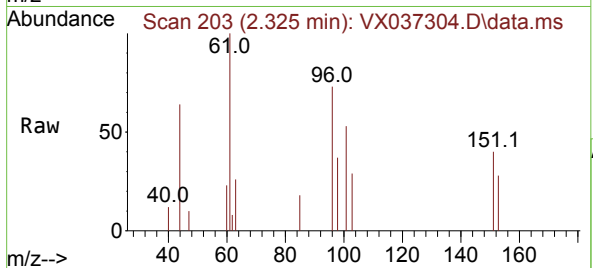




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.316 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

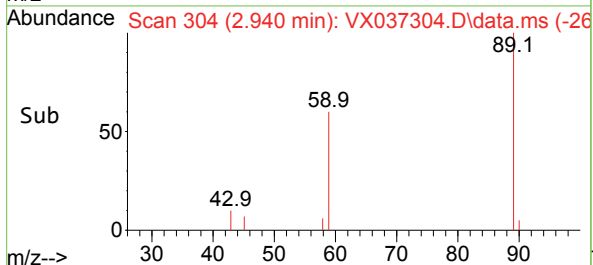
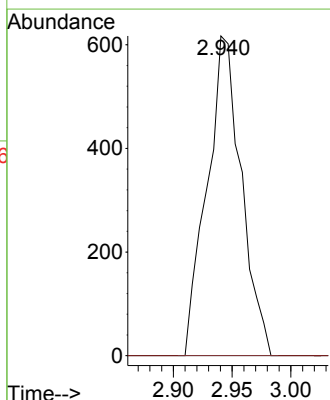
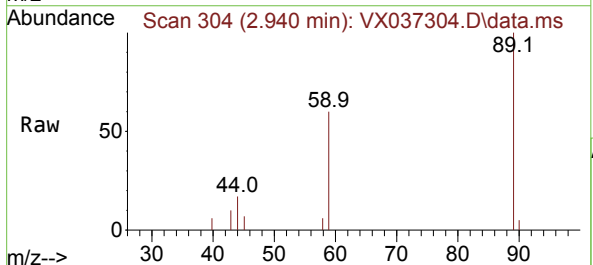
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

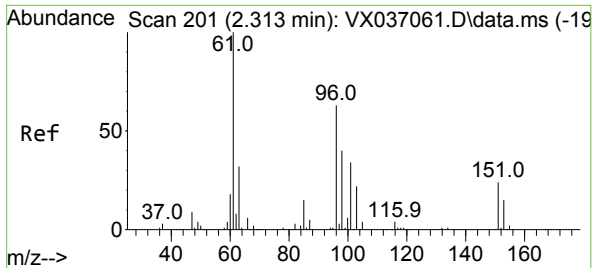
Tgt Ion:101 Resp: 502
Ion Ratio Lower Upper
101 100
85 42.8 37.0 55.6
151 82.5 58.6 87.8



#11
Tert butyl alcohol
Concen: 2.468 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 59 Resp: 1254
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

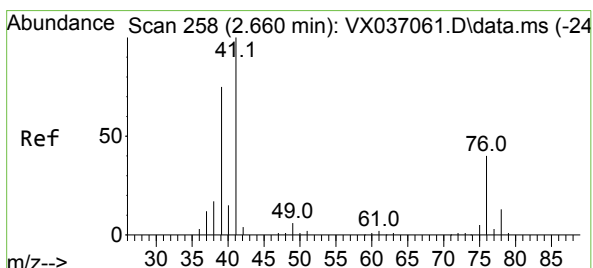
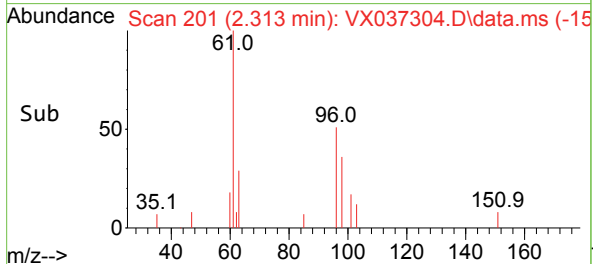
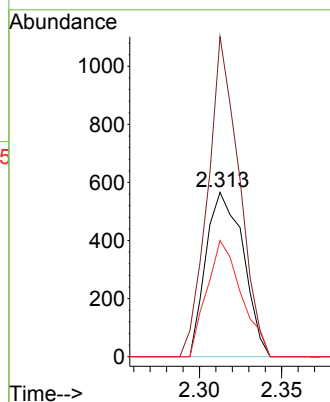
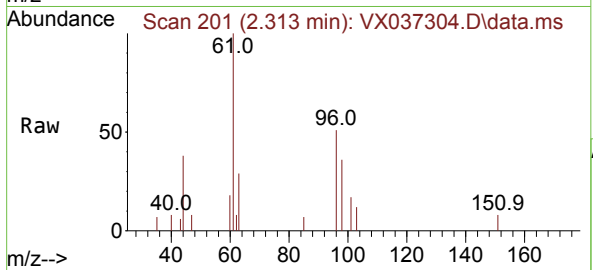




#12
1,1-Dichloroethene
Concen: 0.576 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

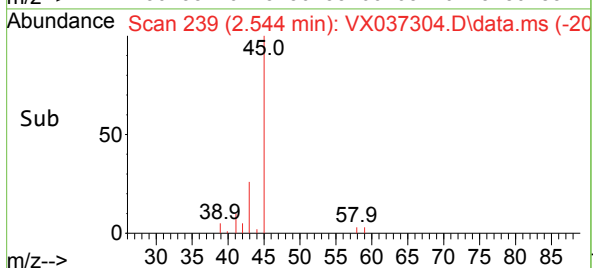
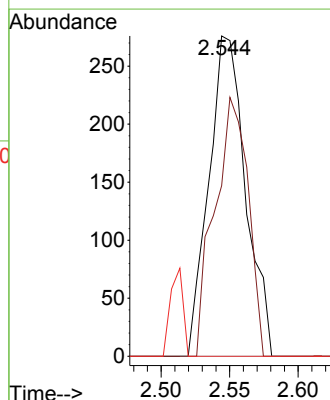
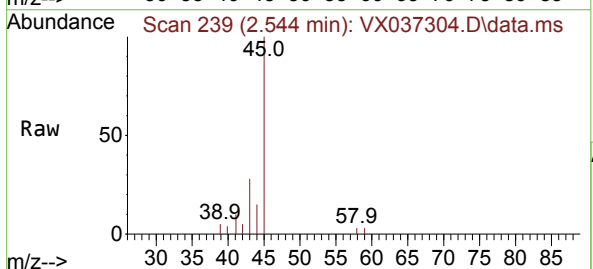
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

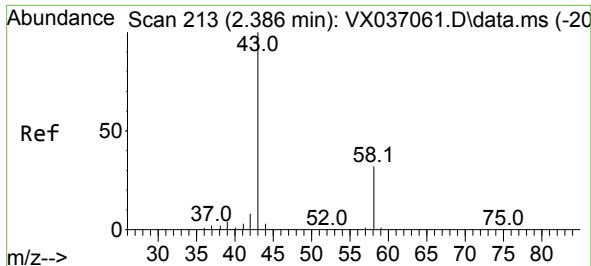
Tgt Ion:	96	Resp:	891
Ion	Ratio	Lower	Upper
96	100		
61	194.7	144.6	216.8
98	70.7	50.4	75.6



#14
Allyl chloride
Concen: 0.216 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.116 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion:	41	Resp:	516
Ion	Ratio	Lower	Upper
41	100		
39	73.3	55.8	83.6
76	0.0	24.3	36.5





#16

Acetone

Concen: 1.447 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX037304.D

Acq: 28 Aug 2023 19:02

Instrument :

MSVOA_X

ClientSampleId :

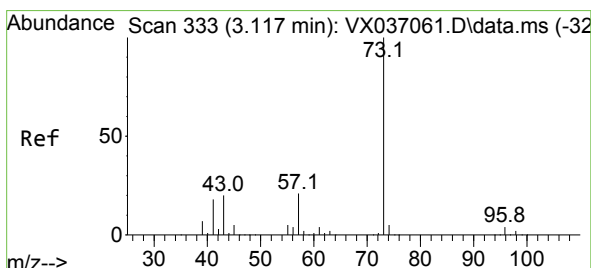
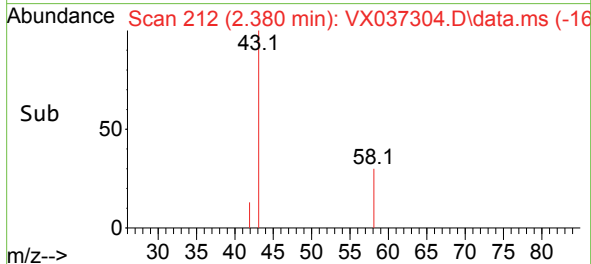
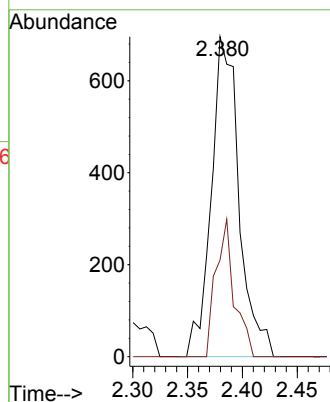
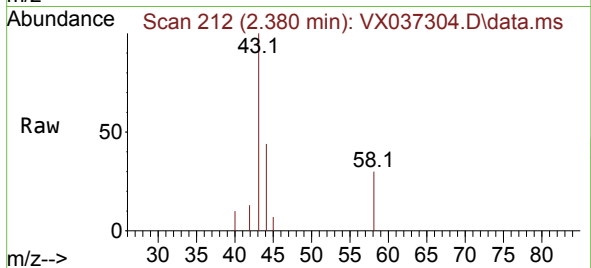
MW305D-20230819

Tgt Ion: 43 Resp: 1226

Ion Ratio Lower Upper

43 100

58 30.2 21.9 32.9



#19

Methyl tert-butyl Ether

Concen: 0.507 ug/l

RT: 3.117 min Scan# 333

Delta R.T. -0.000 min

Lab File: VX037304.D

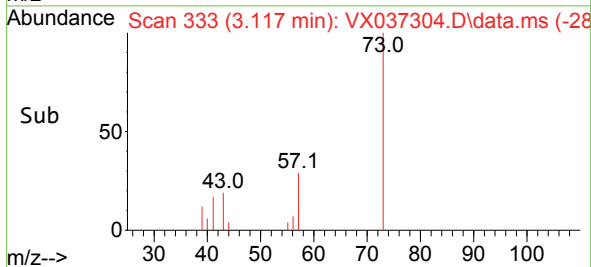
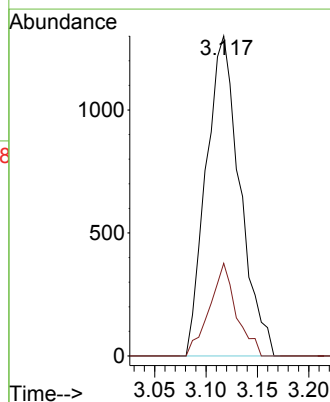
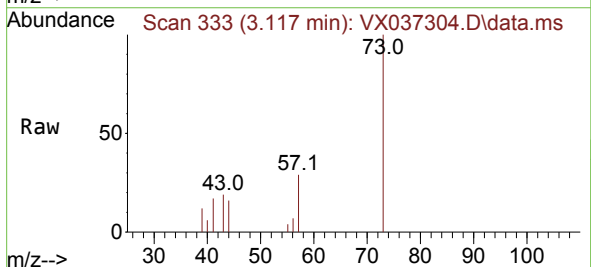
Acq: 28 Aug 2023 19:02

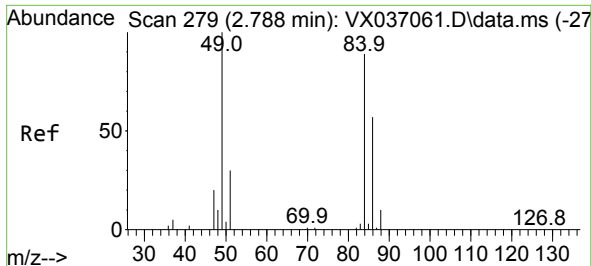
Tgt Ion: 73 Resp: 2972

Ion Ratio Lower Upper

73 100

57 29.0 17.3 25.9#

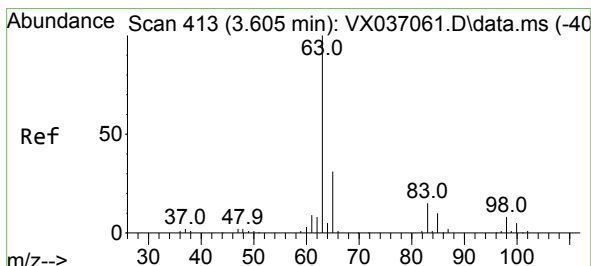
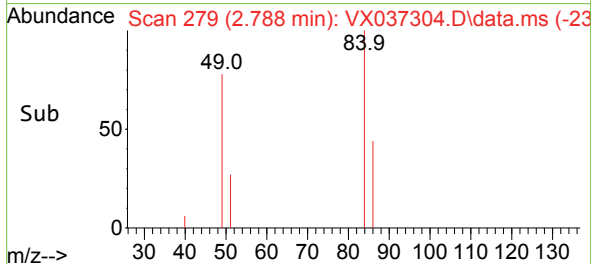
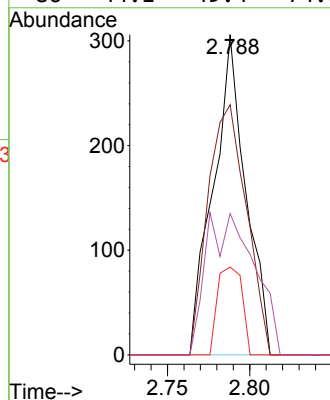
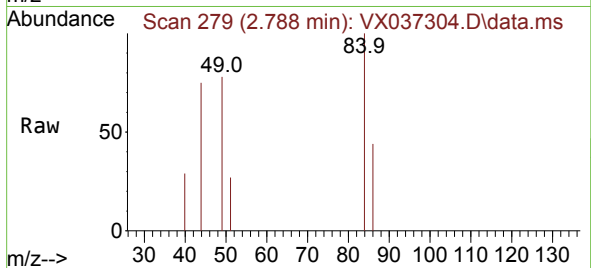




#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

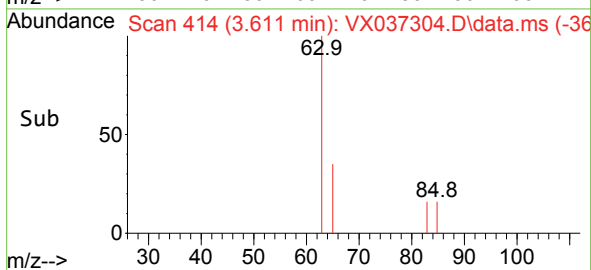
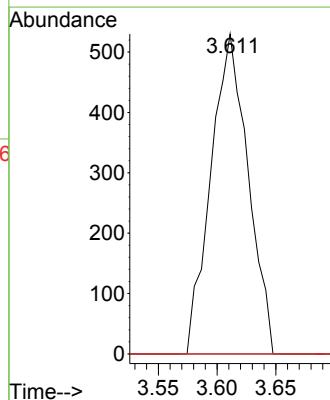
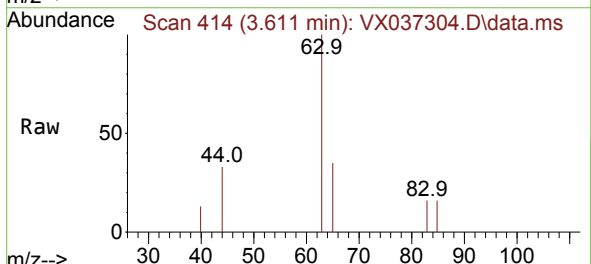
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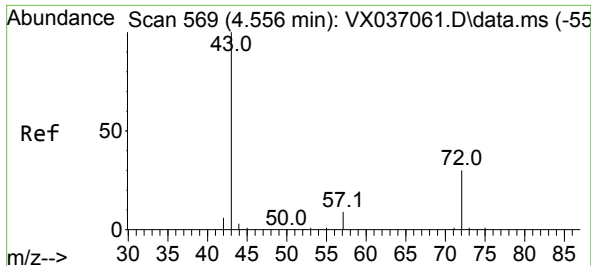
Tgt Ion:	84	Resp:	421
Ion	Ratio	Lower	Upper
84	100		
49	78.1	103.6	155.4#
51	27.5	33.8	50.6#
86	44.1	49.4	74.0#



#24
1,1-Dichloroethane
Concen: 0.379 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion:	63	Resp:	1168
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.1	6.5#

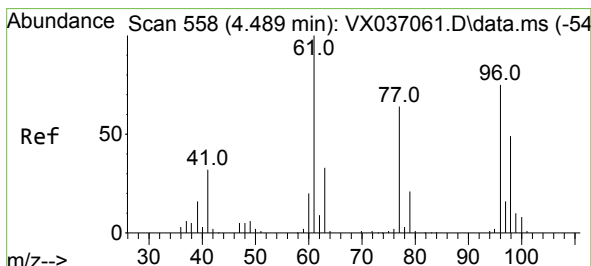
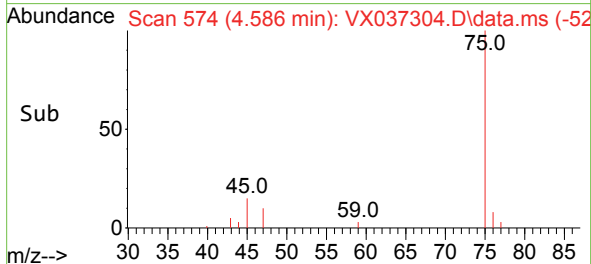
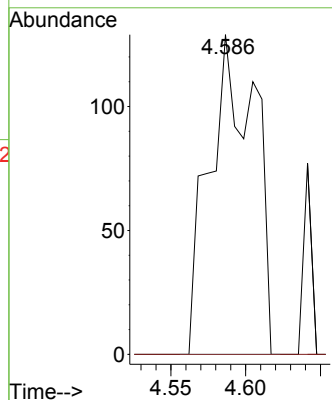
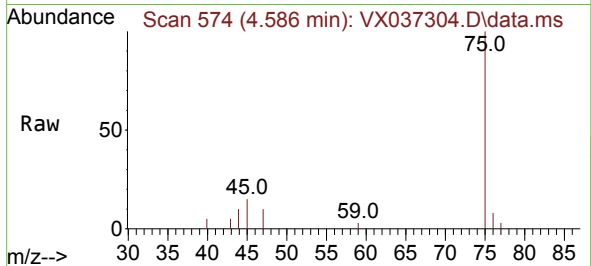




#25
2-Butanone
Concen: 0.212 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

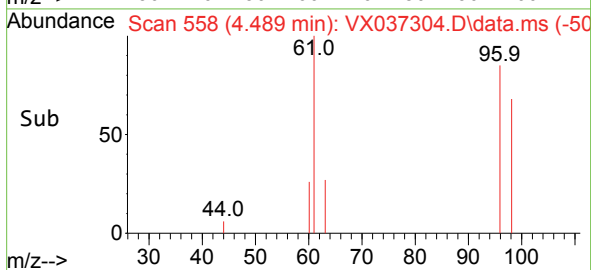
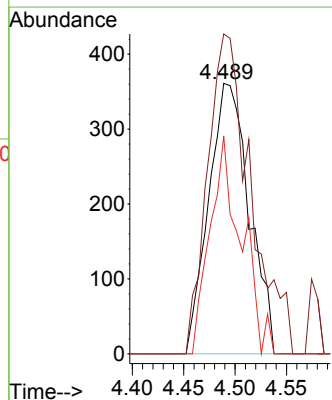
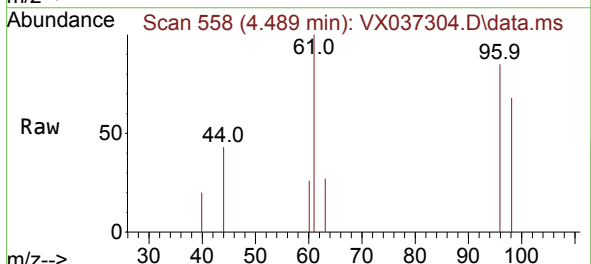
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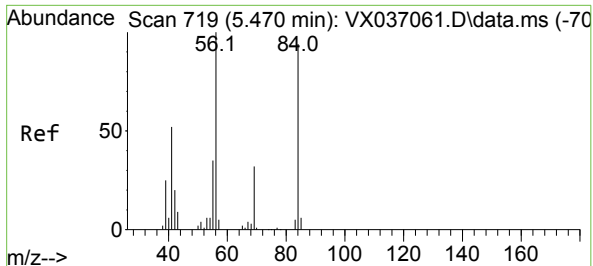
Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.478 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 96 Resp: 991
Ion Ratio Lower Upper
96 100
61 125.7 0.0 312.2
98 62.3 0.0 129.0

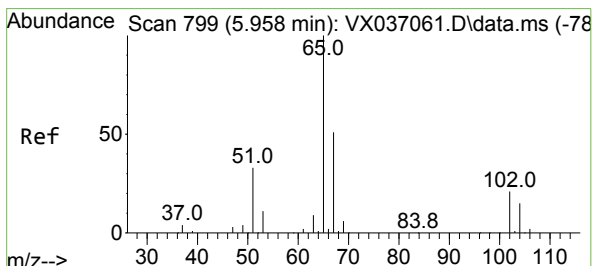
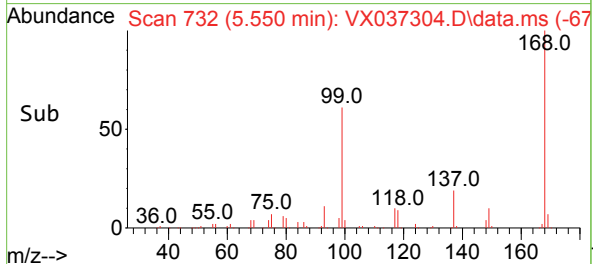
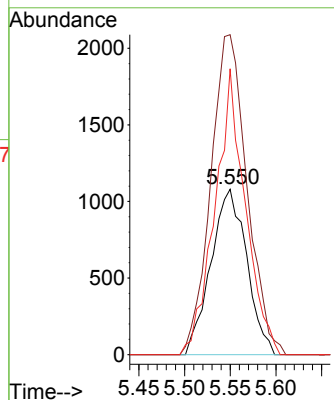
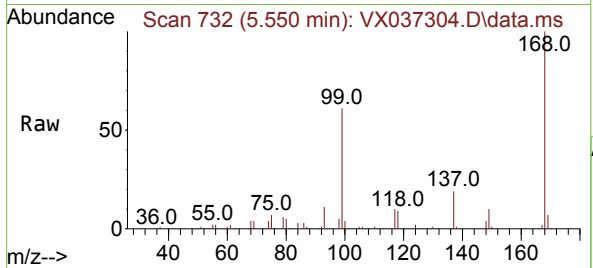




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

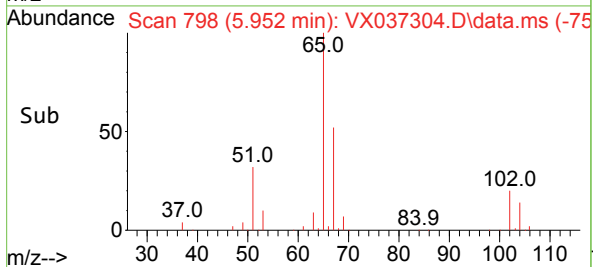
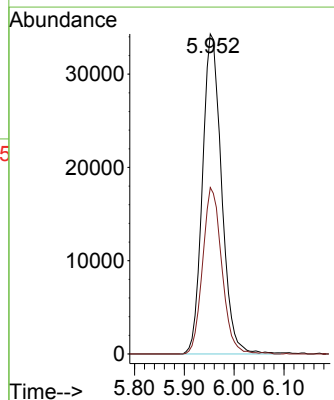
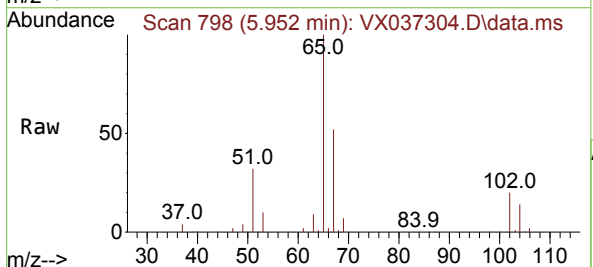
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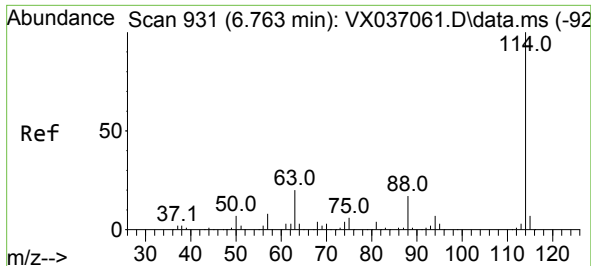
Tgt Ion: 56 Resp: 2940
Ion Ratio Lower Upper
56 100
69 193.4 23.4 35.2#
84 172.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.219 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 65 Resp: 91450
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

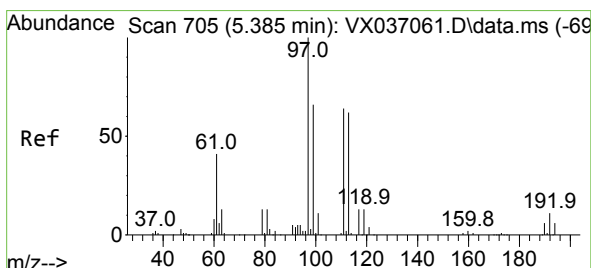
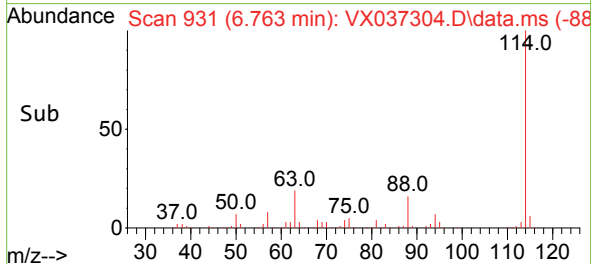
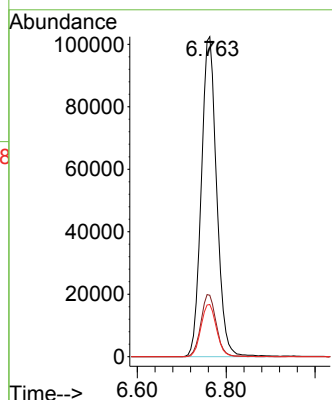
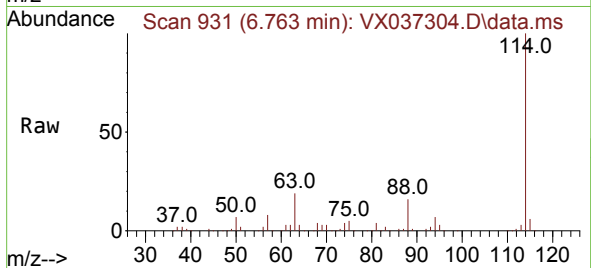




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

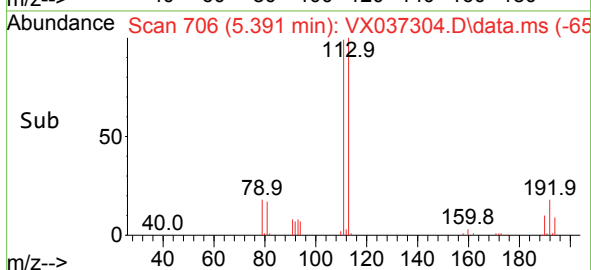
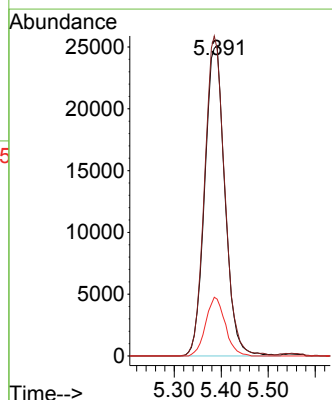
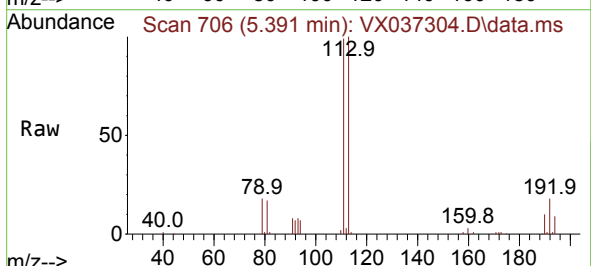
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

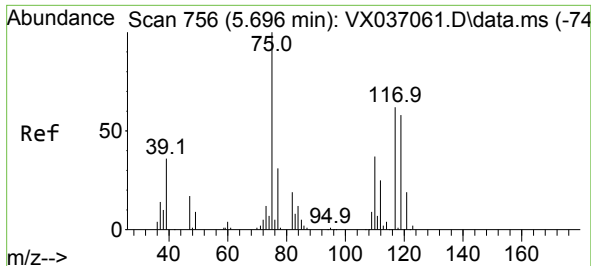
Tgt Ion:114 Resp: 246484
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.840 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion:113 Resp: 74830
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.3 13.3 19.9

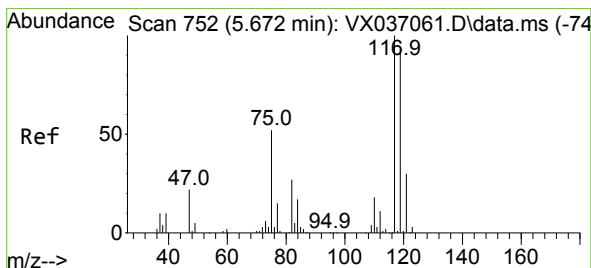
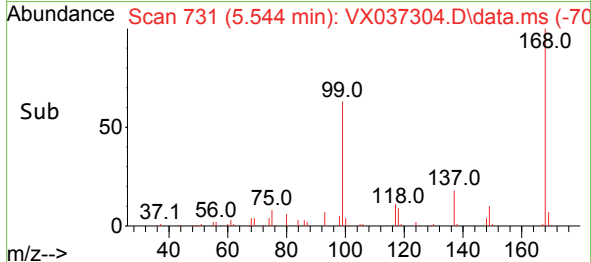
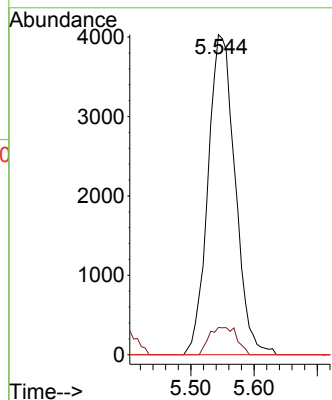
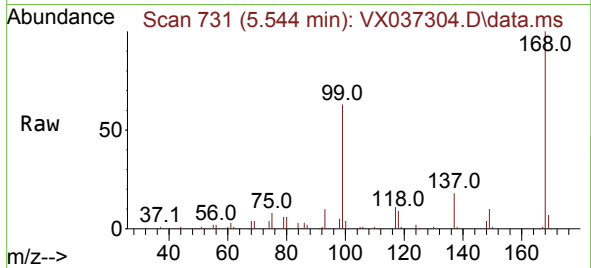




#36
1,1-Dichloropropene
Concen: 5.178 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

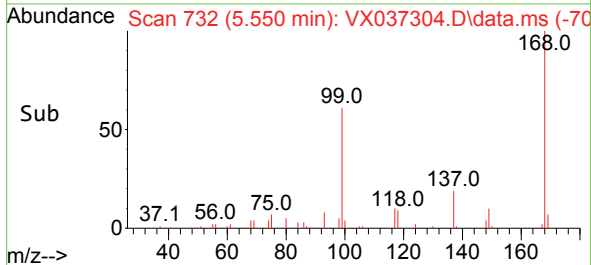
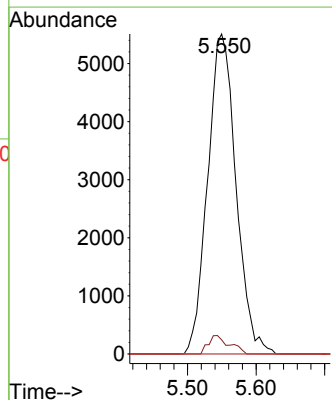
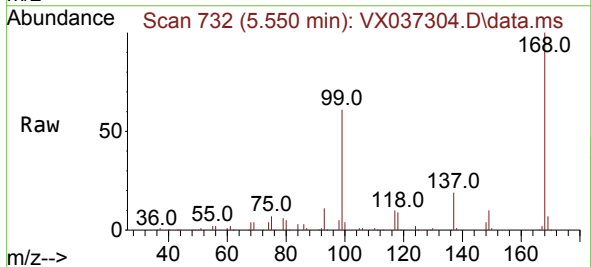
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

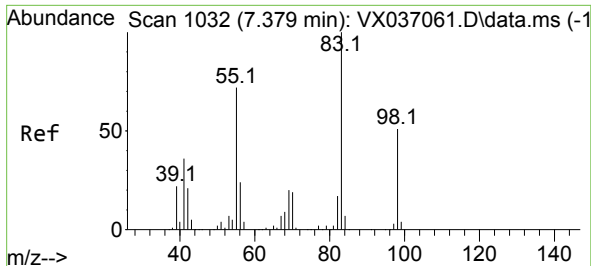
Tgt Ion: 75 Resp: 12008
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.286 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 117 Resp: 15837
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#

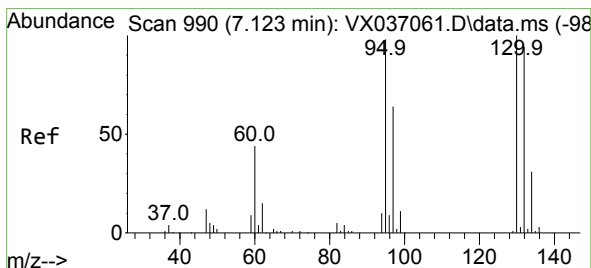
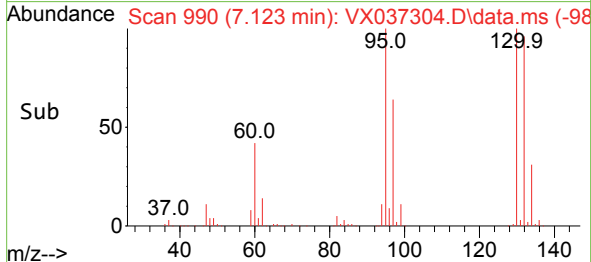
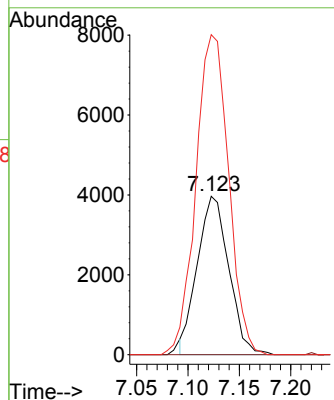
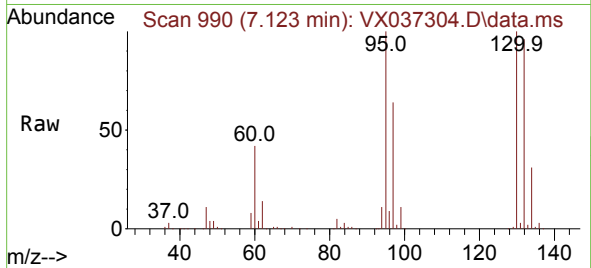




#39
Methylcyclohexane
Concen: 3.463 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

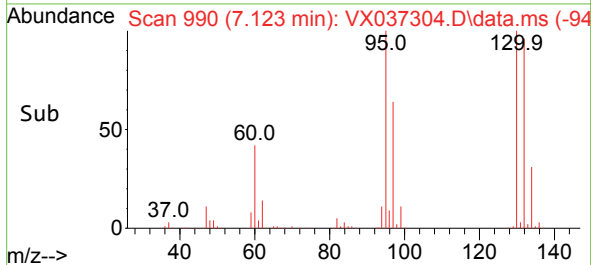
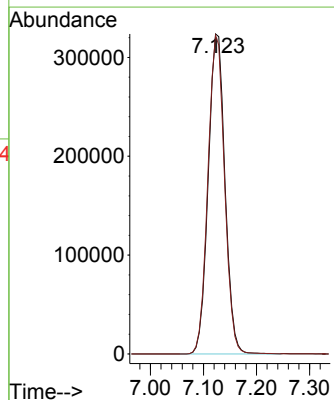
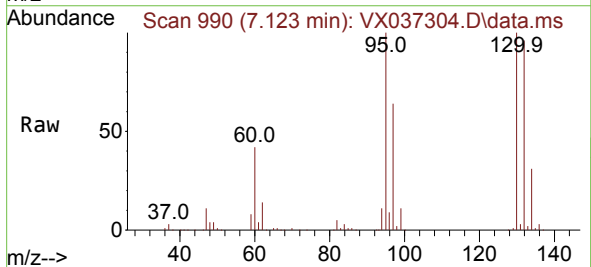
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

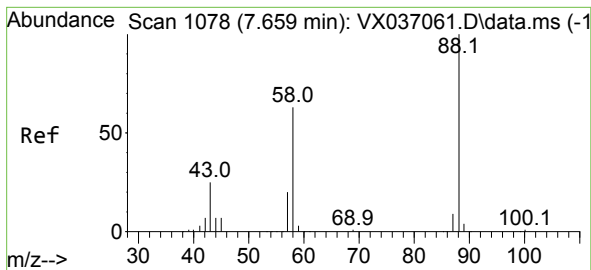
Tgt Ion: 83 Resp: 8439
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 202.0 36.7 55.1#



#44
Trichloroethene
Concen: 376.235 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion:130 Resp: 709604
Ion Ratio Lower Upper
130 100
95 99.6 0.0 204.4





#49

1,4-Dioxane

Concen: 0.911 ug/l

RT: 7.683 min Scan# 1078

Delta R.T. 0.024 min

Lab File: VX037304.D

Acq: 28 Aug 2023 19:02

Instrument :

MSVOA_X

ClientSampleId :

MW305D-20230819

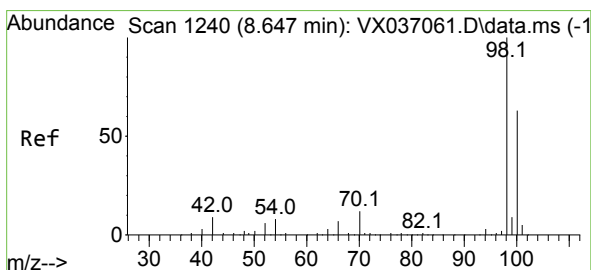
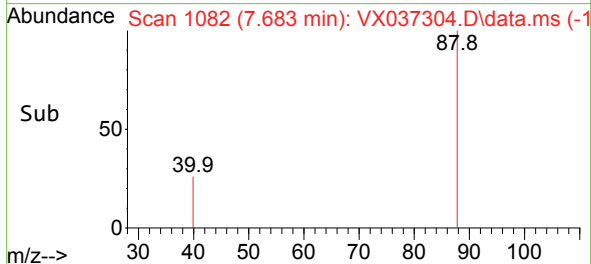
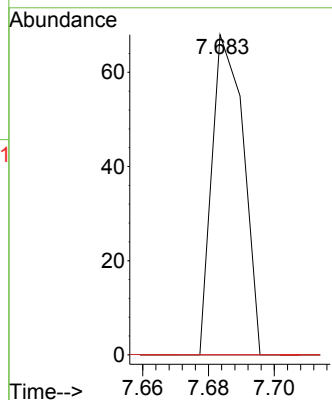
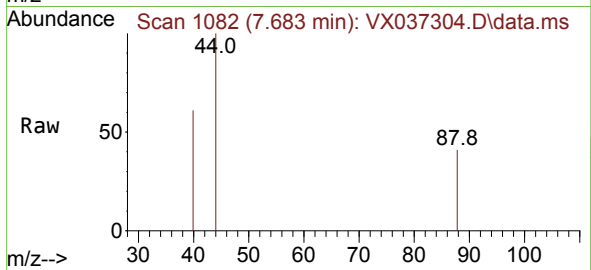
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#



#50

Toluene-d8

Concen: 48.418 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037304.D

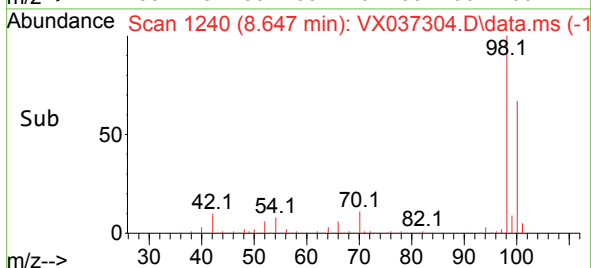
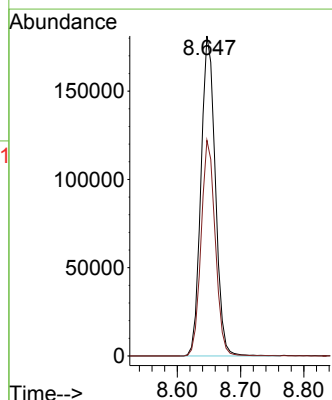
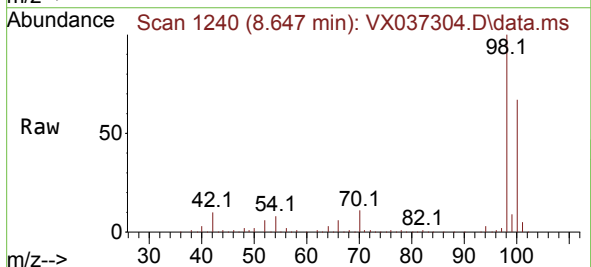
Acq: 28 Aug 2023 19:02

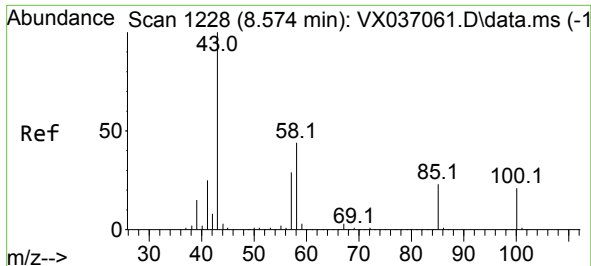
Tgt Ion: 98 Resp: 286701

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7

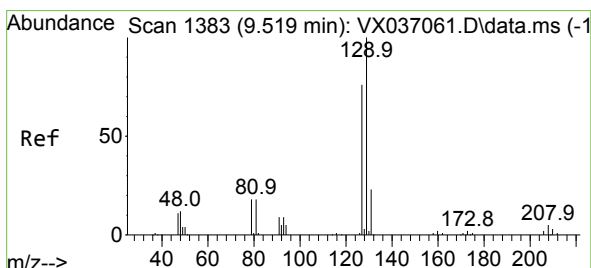
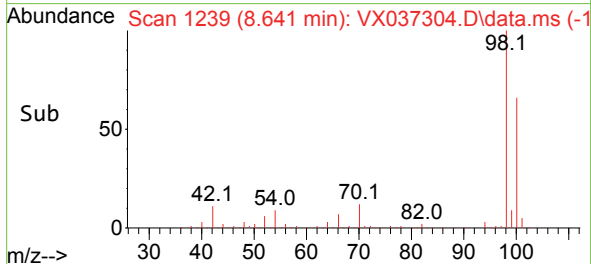
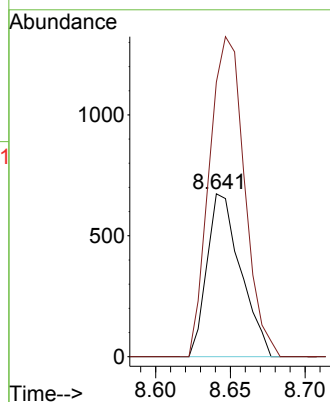
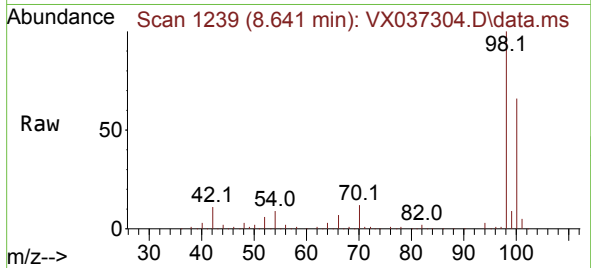




#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

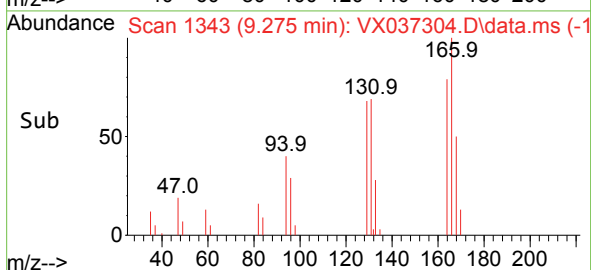
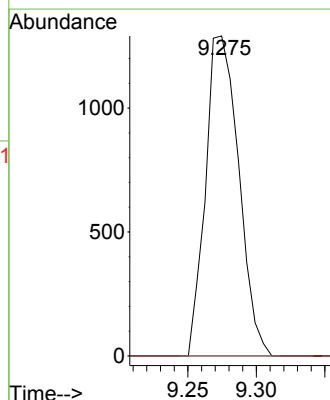
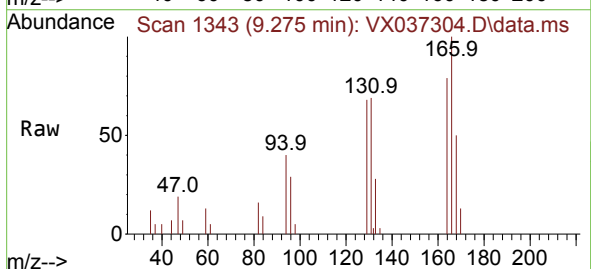
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

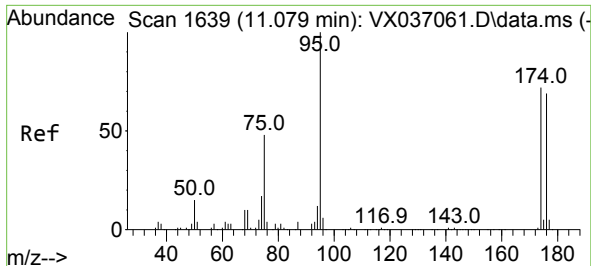
Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
58 205.5 30.4 45.6#



#60
Dibromochloromethane
Concen: 1.142 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 129 Resp: 2176
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

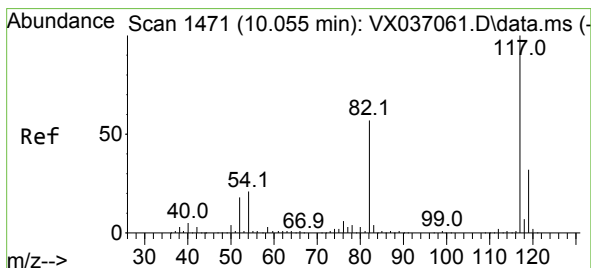
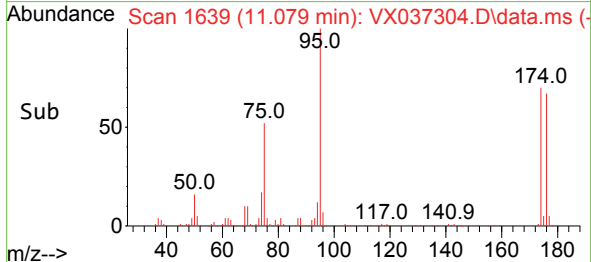
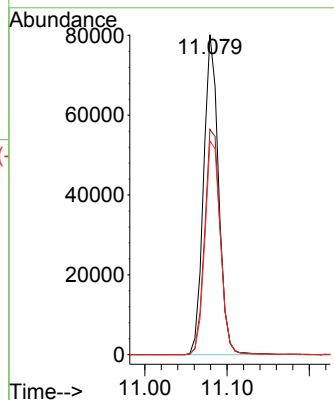
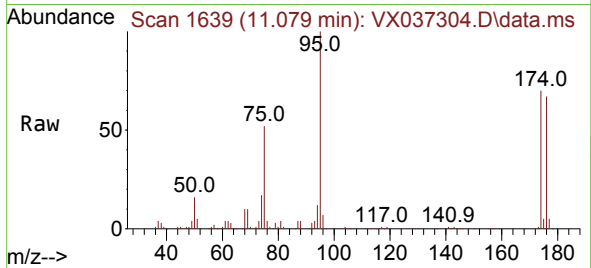




#62
4-Bromofluorobenzene
Concen: 43.540 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

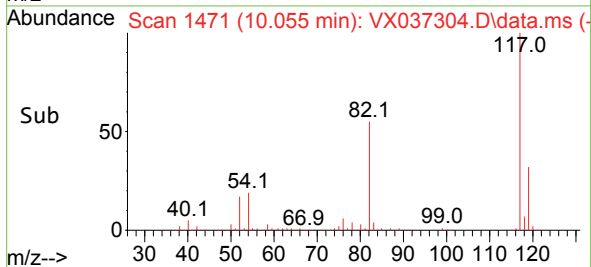
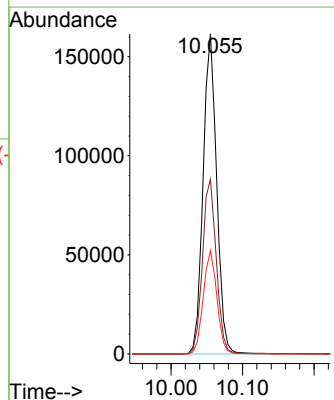
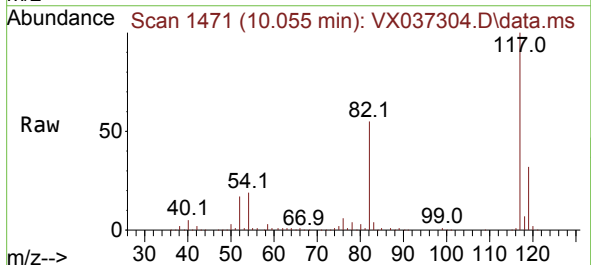
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

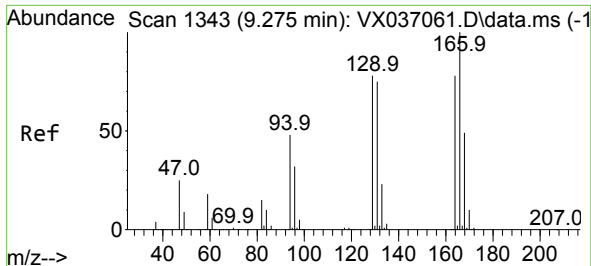
Tgt Ion: 95 Resp: 101318
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 69.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 117 Resp: 212892
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.3 25.5 38.3



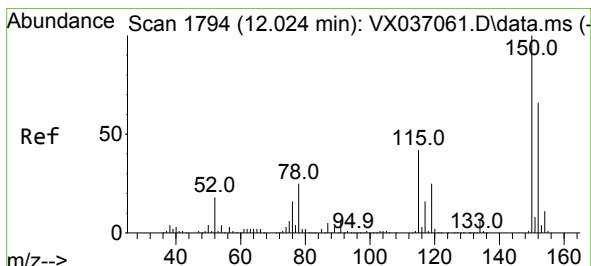
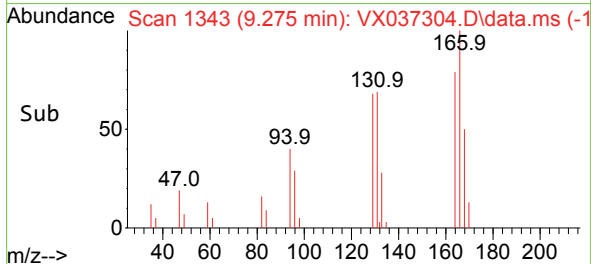
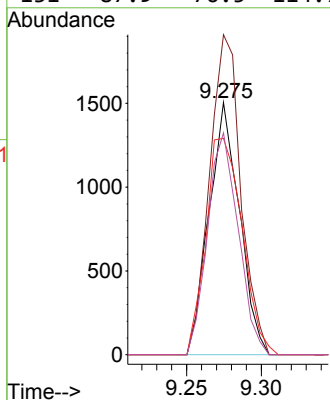
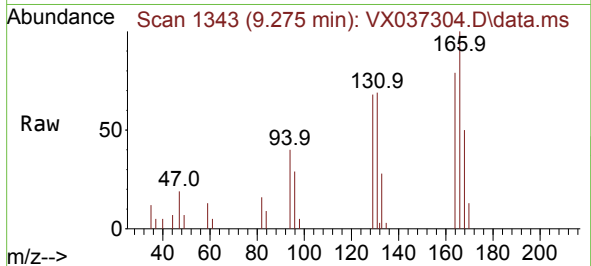


#64
Tetrachloroethene
Concen: 1.371 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

Tgt Ion:164 Resp: 2129

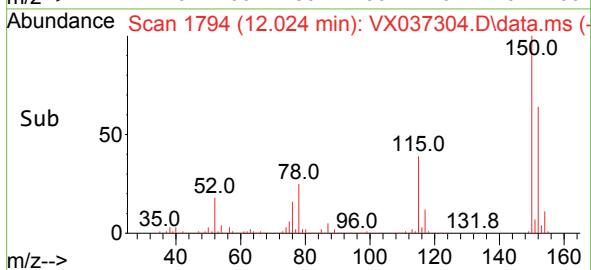
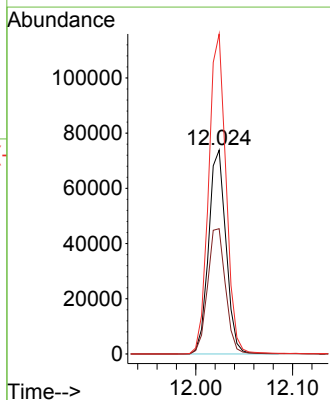
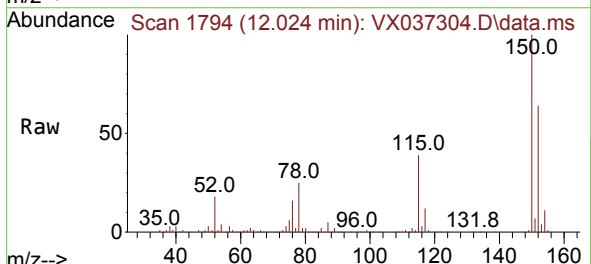
Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.7	154.1
129	85.7	80.4	120.6
131	87.9	76.5	114.7

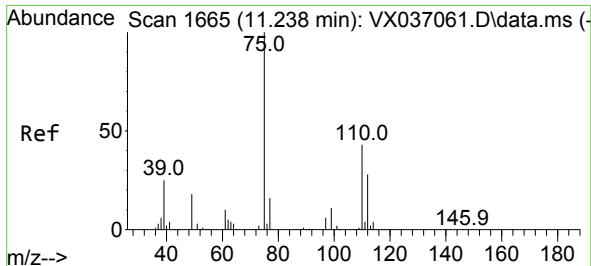


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion:152 Resp: 92594

Ion	Ratio	Lower	Upper
152	100		
115	63.5	43.3	129.9
150	157.0	0.0	345.0

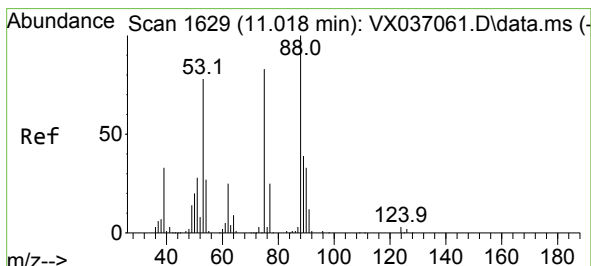
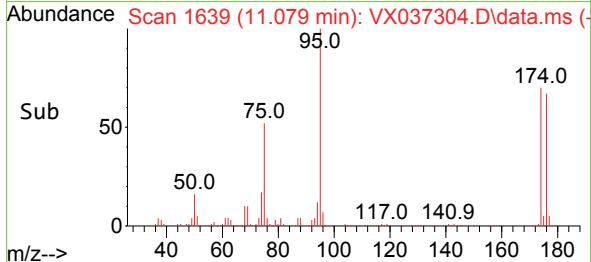
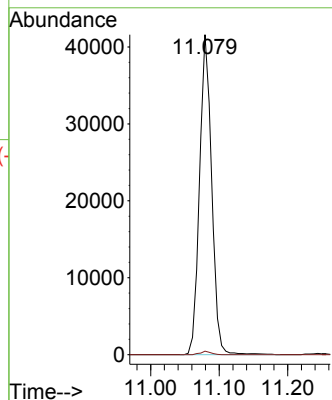
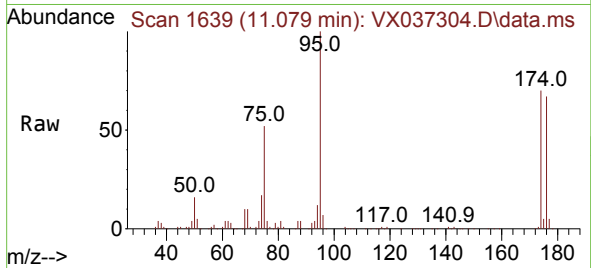




#76
1,2,3-Trichloropropane
Concen: 26.022 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20230819

Tgt Ion: 75 Resp: 51315
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.682 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037304.D
Acq: 28 Aug 2023 19:02

Tgt Ion: 75 Resp: 51315
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

