

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022023\
 Data File : VW030073.D
 Acq On : 20 Feb 2023 13:03
 Operator : SY/MD
 Sample : 01378-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Quant Time: Feb 20 23:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 22:59:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	434263	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	407087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	238374	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	102463	33.186	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.380%
7) Chloroethane-d5	1.535	69	94032	39.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.066	63	158893	26.902	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.800%#
21) 2-Butanone-d5	3.793	46	178284	92.528	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.530%
24) Chloroform-d	4.259	84	241882	42.148	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.300%
26) 1,2-Dichloroethane-d4	4.950	65	146635	43.227	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.460%
32) Benzene-d6	4.969	84	457036	42.272	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.540%
36) 1,2-Dichloropropane-d6	5.995	67	158457	46.091	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.180%
41) Toluene-d8	7.249	98	425594	41.711	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.420%
43) trans-1,3-Dichloroprop...	7.558	79	74185	43.421	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.840%
47) 2-Hexanone-d5	8.030	63	151851	94.745	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.740%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	237094	45.977	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.960%
66) 1,2-Dichlorobenzene-d4	11.570	152	197456	46.510	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	12920	2.811	ug/L	99
3) Chloromethane	1.217	50	22663	3.842	ug/L	99
5) Vinyl chloride	1.285	62	12376	3.013	ug/L #	82
6) Bromomethane	1.490	94	2705	3.623	ug/L	87
8) Chloroethane	1.551	64	7504	3.131	ug/L	98
9) Trichlorofluoromethane	1.719	101	16609	3.050	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	11440	3.433	ug/L	93
12) 1,1-Dichloroethene	2.072	96	9996	3.334	ug/L #	1
13) Acetone	2.124	43	10239	6.924	ug/L	95
14) Carbon disulfide	2.246	76	24434	2.756	ug/L #	94
15) Methyl Acetate	2.381	43	8232	2.677	ug/L	100
16) Methylene chloride	2.455	84	11639	3.546	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	8310	2.712	ug/L	93
18) Methyl tert-butyl Ether	2.709	73	27327	2.802	ug/L	98
19) 1,1-Dichloroethane	3.121	63	16594	2.938	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	9858	2.909	ug/L	99
22) 2-Butanone	3.902	43	7632	3.678	ug/L	87
23) Bromochloromethane	4.156	128	2136	1.182	ug/L	95
25) Chloroform	4.288	83	18412	3.198	ug/L	99

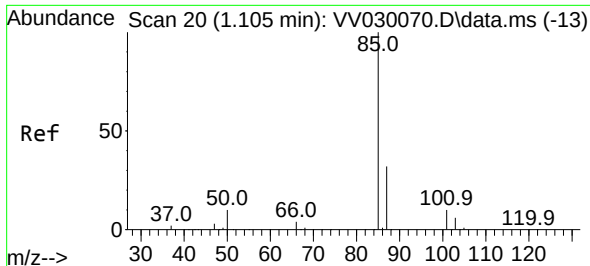
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	13080	3.042	ug/L	100
29) Cyclohexane	4.590	56	13933	2.937	ug/L	99
30) 1,1,1-Trichloroethane	4.522	97	14785	2.924	ug/L	96
31) Carbon tetrachloride	4.744	117	12970	2.922	ug/L	100
33) Benzene	5.024	78	36311	3.023	ug/L	100
34) Trichloroethene	5.844	95	9739	2.979	ug/L	95
35) Methylcyclohexane	6.059	83	15337	2.955	ug/L	96
37) 1,2-Dichloropropane	6.104	63	10014	3.166	ug/L #	93
38) Bromodichloromethane	6.442	83	12198	2.871	ug/L #	99
39) cis-1,3-Dichloropropene	6.963	75	14164	2.664	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	20629	5.246	ug/L	98
42) Toluene	7.326	91	38527	2.931	ug/L	95
44) trans-1,3-Dichloropropene	7.590	75	16848	3.484	ug/L	96
45) 1,1,2-Trichloroethane	7.779	97	9539	2.906	ug/L	98
46) Tetrachloroethene	7.915	164	7915	2.880	ug/L	98
49) Dibromochloromethane	8.185	129	9410	2.765	ug/L	98
50) 1,2-Dibromoethane	8.294	107	10158	2.820	ug/L	97
51) Chlorobenzene	8.821	112	25690	2.933	ug/L	99
52) Ethylbenzene	8.956	91	40208	2.763	ug/L	100
53) m,p-Xylene	9.082	106	15008	2.699	ug/L	99
54) o-Xylene	9.487	106	14327	2.674	ug/L	100
55) Styrene	9.506	104	23996	2.622	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	15970	2.976	ug/L	96
59) Bromoform	9.673	173	6791	2.877	ug/L	98
60) Isopropylbenzene	9.876	105	38576	2.721	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	11523	2.922	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	30642	2.610	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	29572	2.563	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	21157	2.962	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	21404	2.928	ug/L	93
67) 1,2-Dichlorobenzene	11.590	146	21336	3.000	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.377	75	3169	2.754	ug/L	91
69) 1,3,5-Trichlorobenzene	12.593	180	16244	2.850	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	15172	2.832	ug/L	98
71) Naphthalene	13.451	128	36712	2.362	ug/L	99
72) 1,2,3-Trichlorobenzene	13.692	180	14734	2.802	ug/L	97

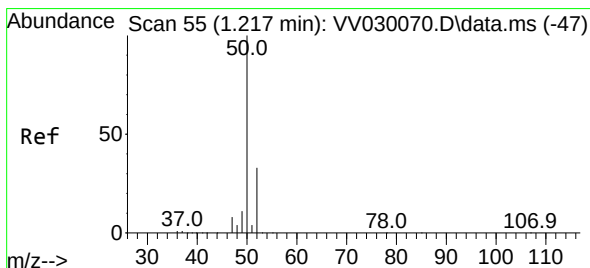
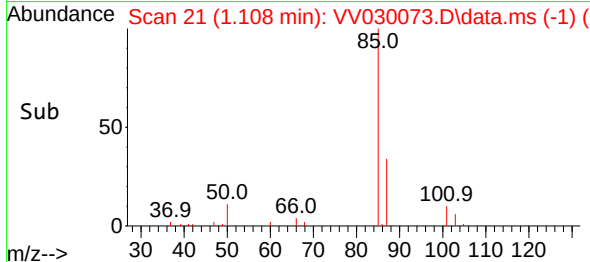
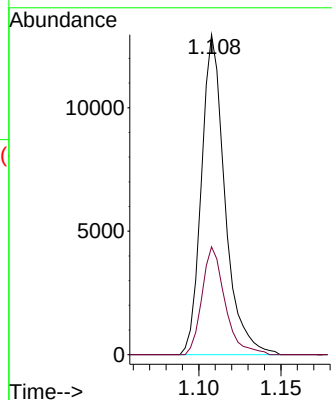
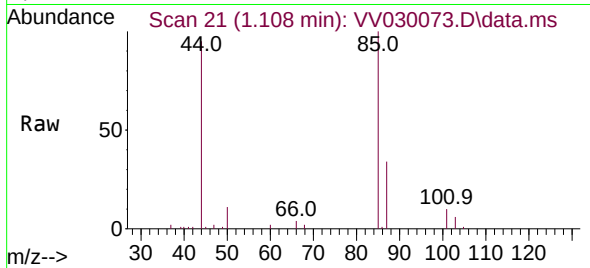
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#2
Dichlorodifluoromethane
Concen: 2.811 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

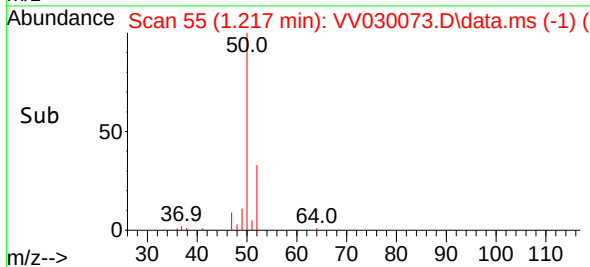
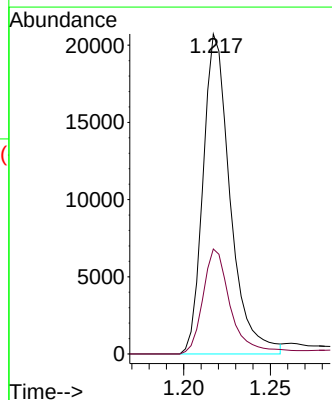
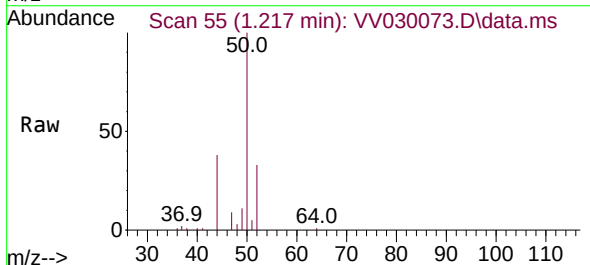
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

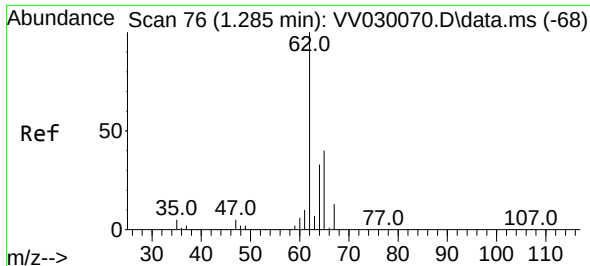
Tgt Ion: 85 Resp: 12920
Ion Ratio Lower Upper
85 100
87 33.0 26.0 39.0



#3
Chloromethane
Concen: 3.842 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion: 50 Resp: 22663
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.4

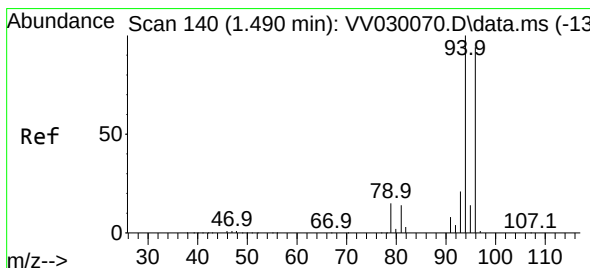
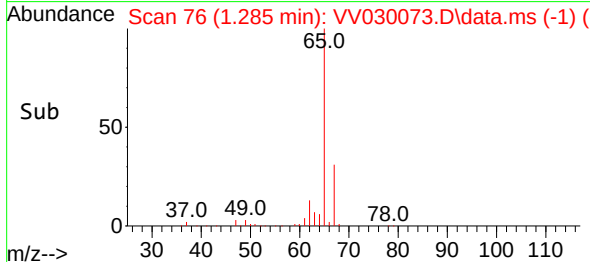
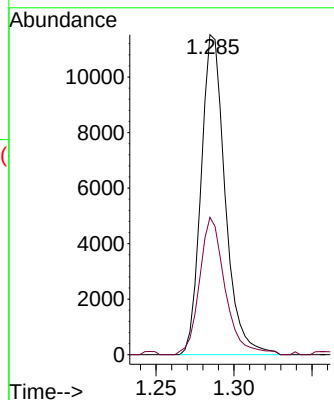
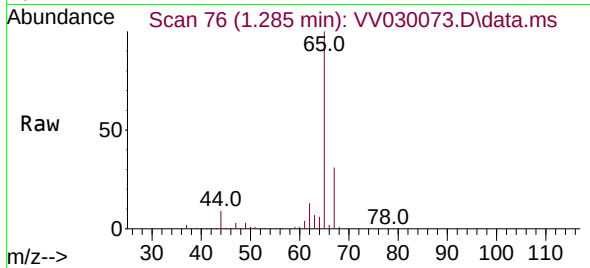




#5
 Vinyl chloride
 Concen: 3.013 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030073.D
 Acq: 20 Feb 2023 13:03

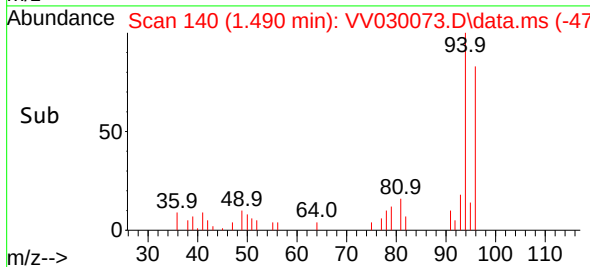
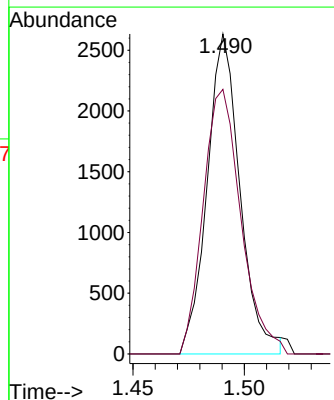
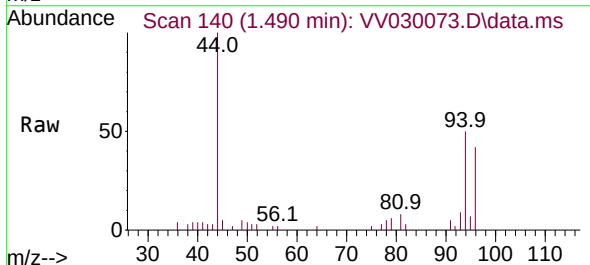
Instrument :
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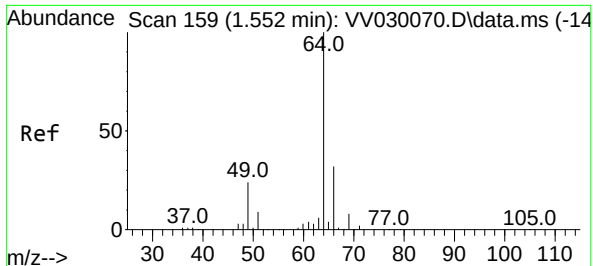
Tgt Ion: 62 Resp: 12376
 Ion Ratio Lower Upper
 62 100
 64 42.9 22.9 42.5#



#6
 Bromomethane
 Concen: 3.623 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030073.D
 Acq: 20 Feb 2023 13:03

Tgt Ion: 94 Resp: 2705
 Ion Ratio Lower Upper
 94 100
 96 82.7 66.7 123.9

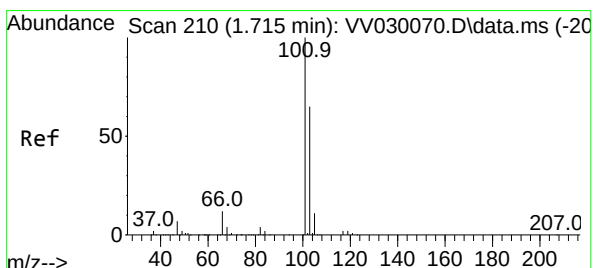
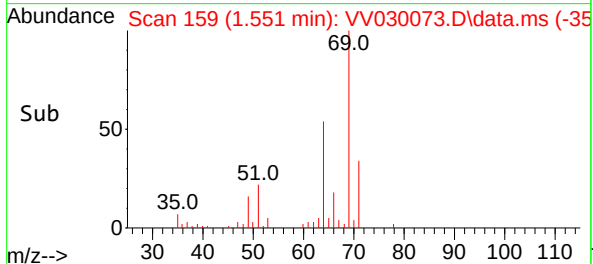
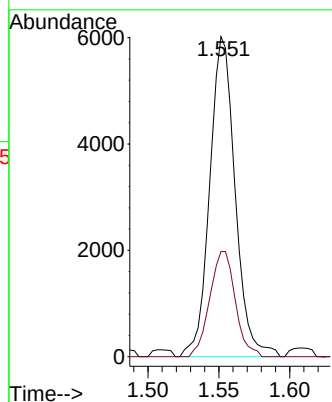
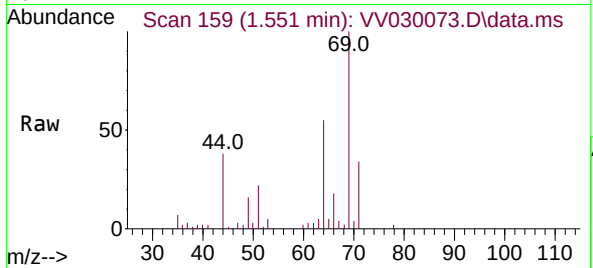




#8
Chloroethane
Concen: 3.131 ug/L
RT: 1.551 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

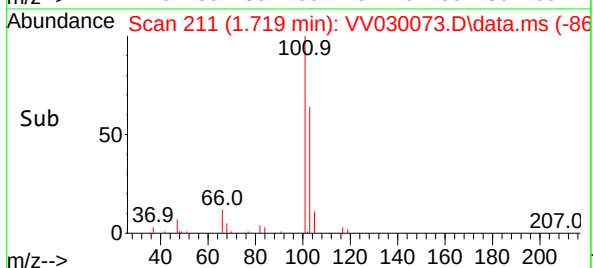
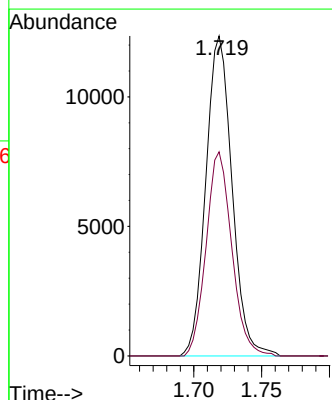
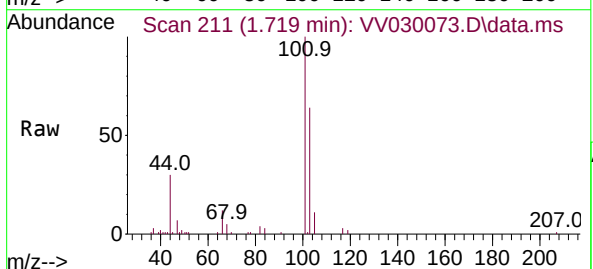
Instrument :
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MDL-WATER-QT1-2023-01

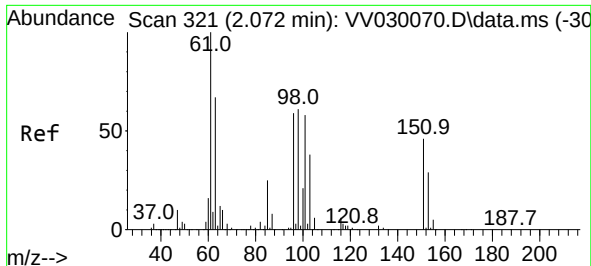
Tgt Ion: 64 Resp: 7504
Ion Ratio Lower Upper
64 100
66 32.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 3.050 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion:101 Resp: 16609
Ion Ratio Lower Upper
101 100
103 62.5 52.6 78.8

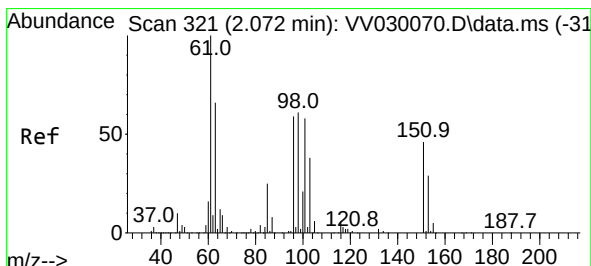
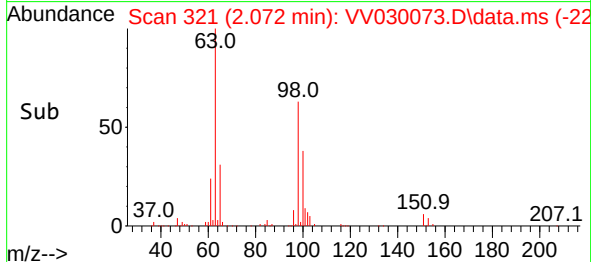
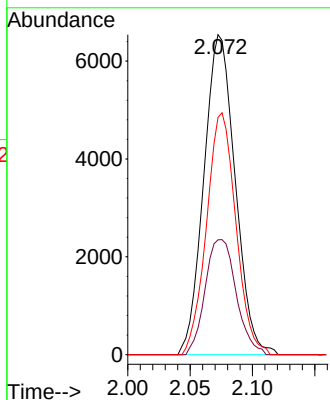
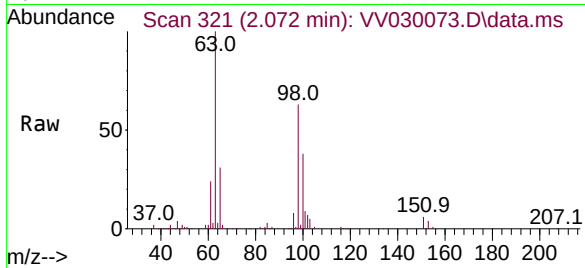




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.433 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030073.D
 Acq: 20 Feb 2023 13:03

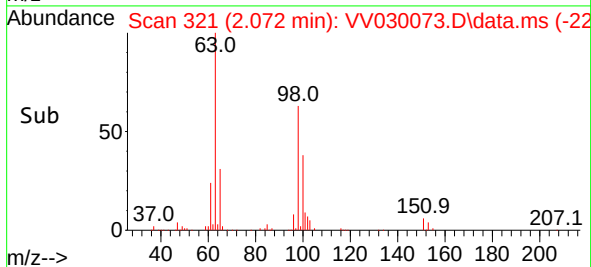
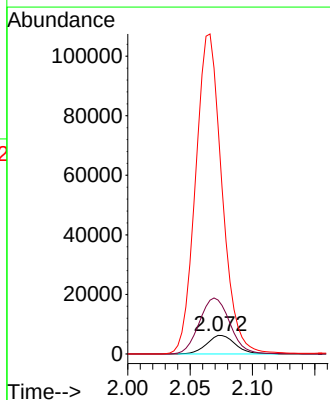
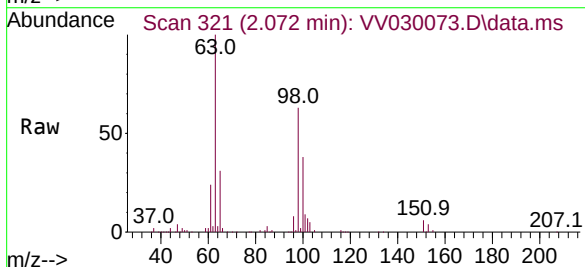
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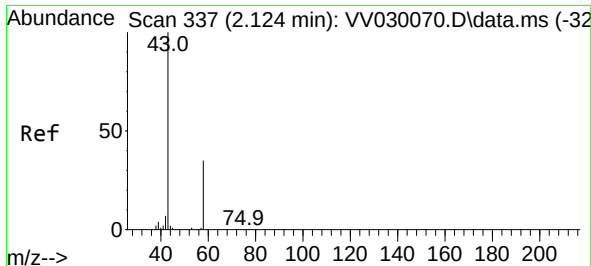
Tgt Ion:101 Resp: 11440
 Ion Ratio Lower Upper
 101 100
 85 35.6 33.4 50.2
 151 70.9 60.8 91.2



#12
 1,1-Dichloroethene
 Concen: 3.334 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV030073.D
 Acq: 20 Feb 2023 13:03

Tgt Ion: 96 Resp: 9996
 Ion Ratio Lower Upper
 96 100
 61 290.3 115.8 215.2#
 63 1230.5 83.4 154.8#





#13

Acetone

Concen: 6.924 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

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MSVOA_V

ClientSampleId :

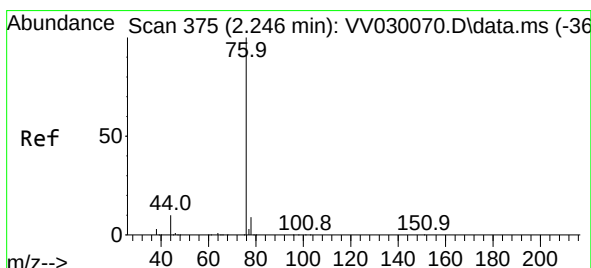
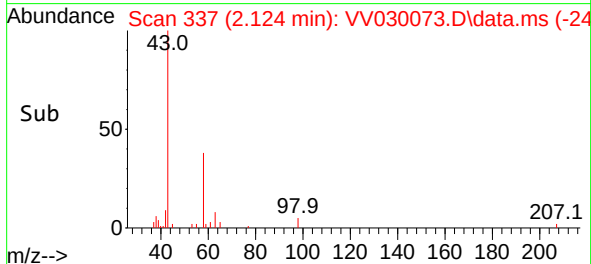
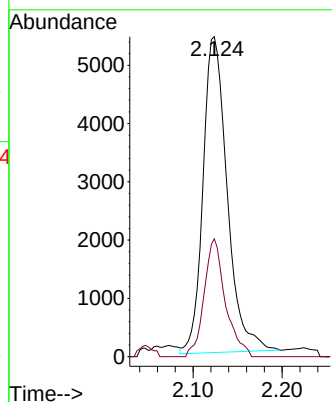
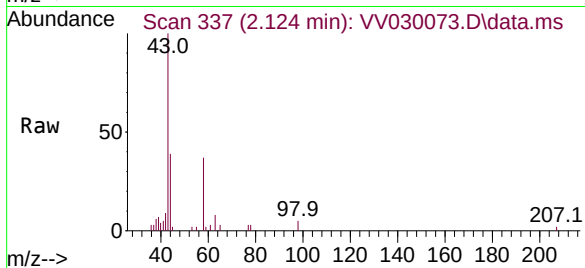
MDL-WATER-QT1-2023-01

Tgt Ion: 43 Resp: 10239

Ion Ratio Lower Upper

43 100

58 32.6 0.0 70.6



#14

Carbon disulfide

Concen: 2.756 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030073.D

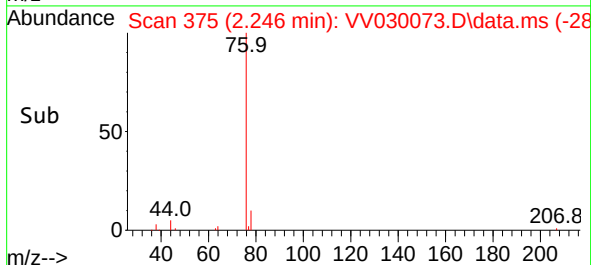
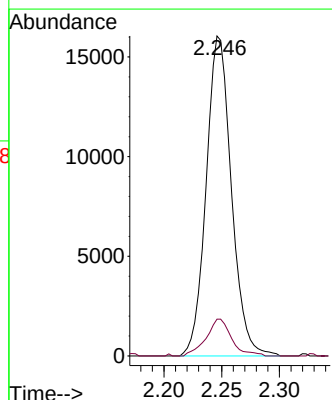
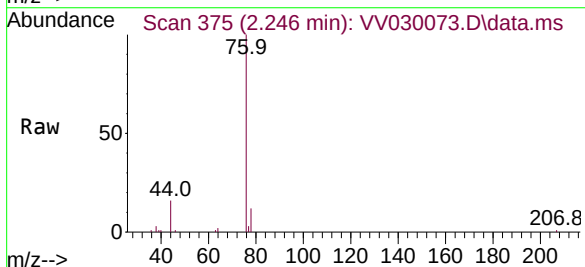
Acq: 20 Feb 2023 13:03

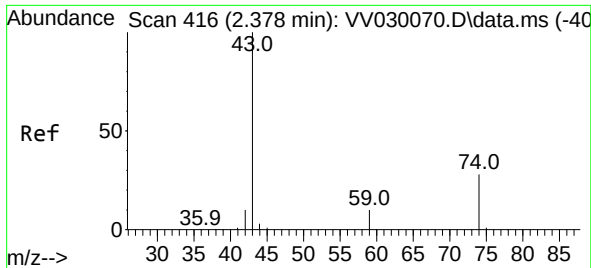
Tgt Ion: 76 Resp: 24434

Ion Ratio Lower Upper

76 100

78 11.5 7.4 11.2#

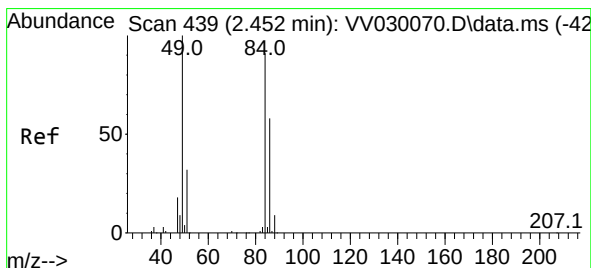
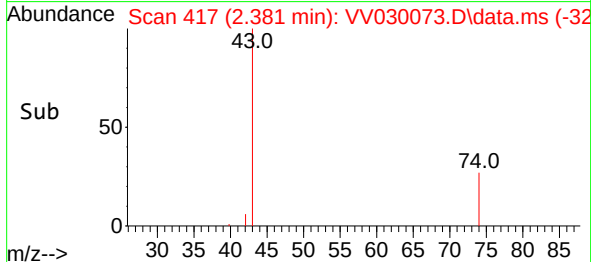
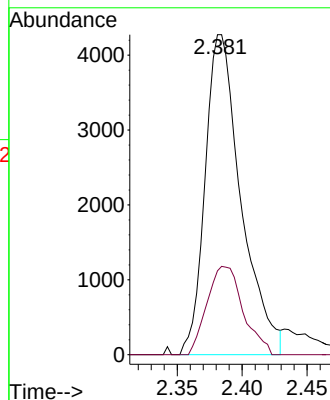
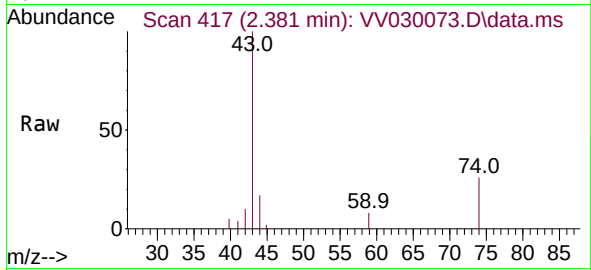




#15
Methyl Acetate
Concen: 2.677 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

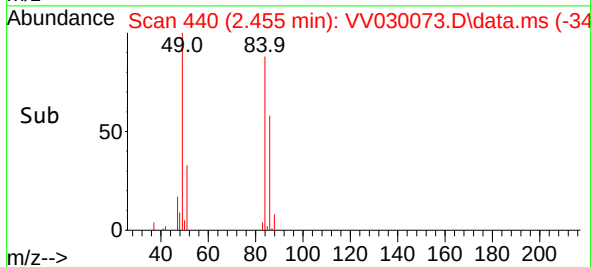
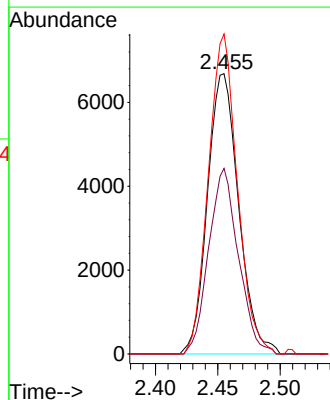
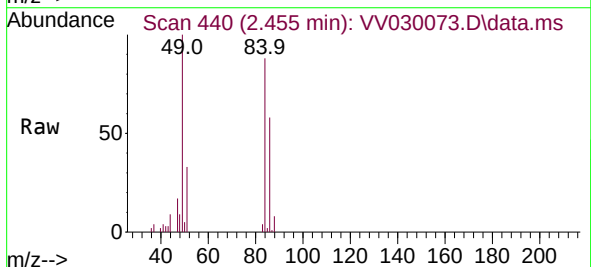
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

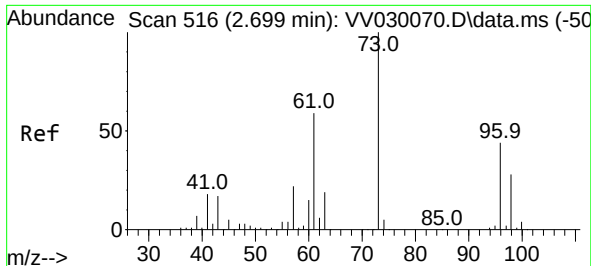
Tgt Ion: 43 Resp: 8232
Ion Ratio Lower Upper
43 100
74 27.7 21.9 32.9



#16
Methylene chloride
Concen: 3.546 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion: 84 Resp: 11639
Ion Ratio Lower Upper
84 100
86 66.2 45.1 83.7
49 114.1 78.7 146.1

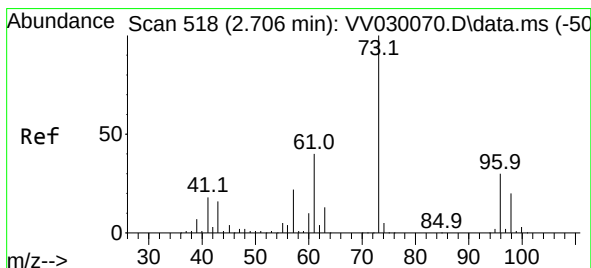
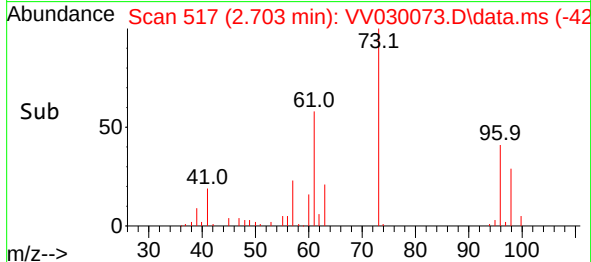
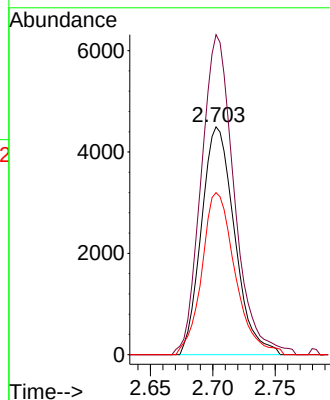
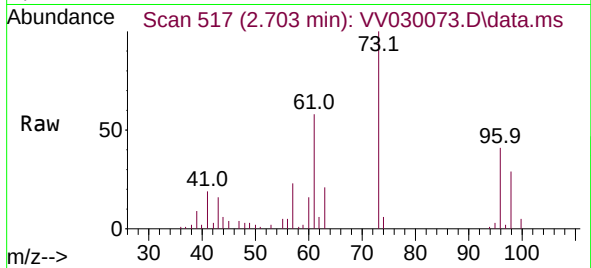




#17
trans-1,2-Dichloroethene
Concen: 2.712 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

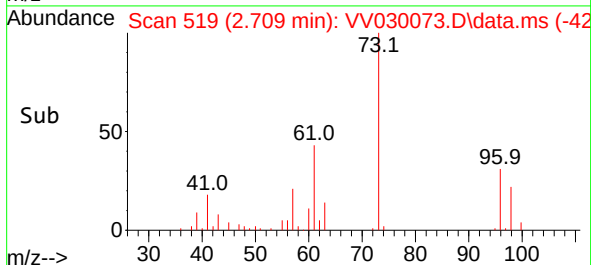
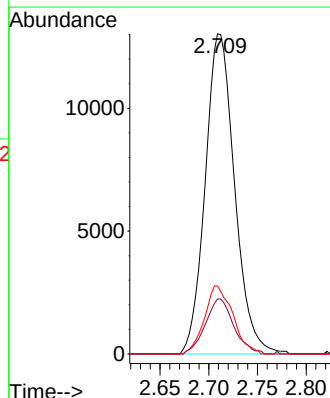
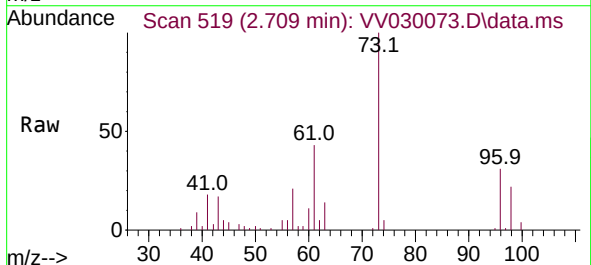
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

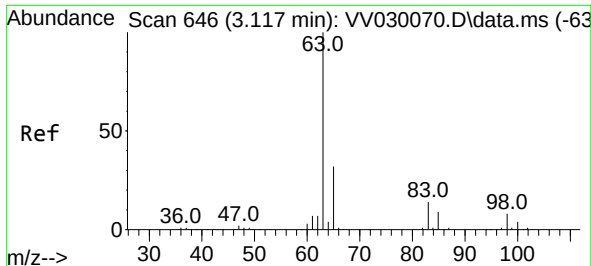
Tgt Ion: 96 Resp: 8310
Ion Ratio Lower Upper
96 100
61 140.5 93.3 173.3
98 71.1 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 2.802 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion: 73 Resp: 27327
Ion Ratio Lower Upper
73 100
43 16.5 12.7 19.1
57 20.5 17.0 25.4





#19

1,1-Dichloroethane

Concen: 2.938 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

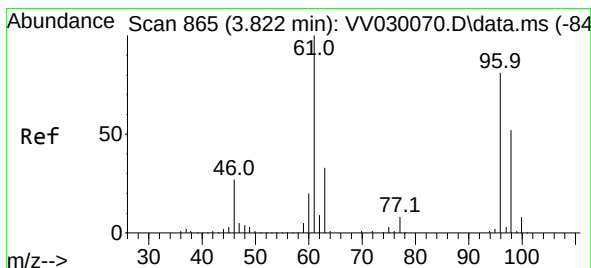
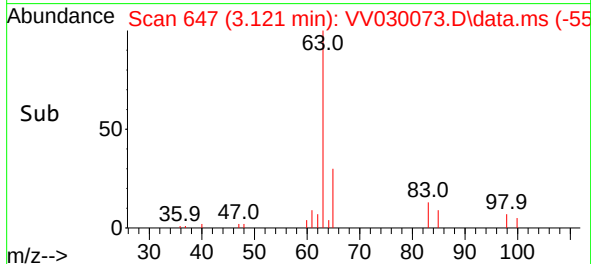
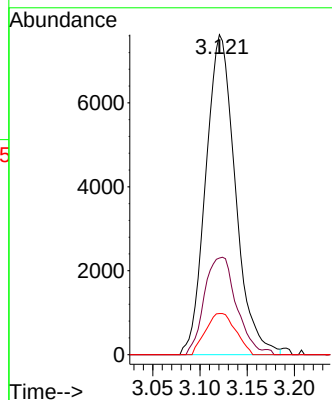
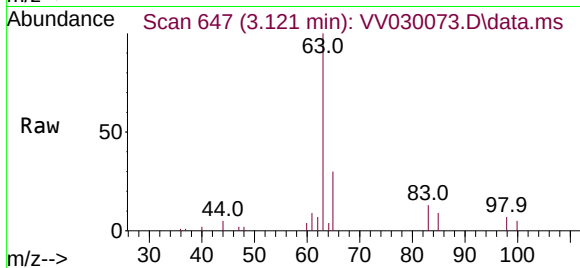
Tgt Ion: 63 Resp: 16594

Ion Ratio Lower Upper

63 100

65 30.2 22.0 41.0

83 12.9 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.909 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

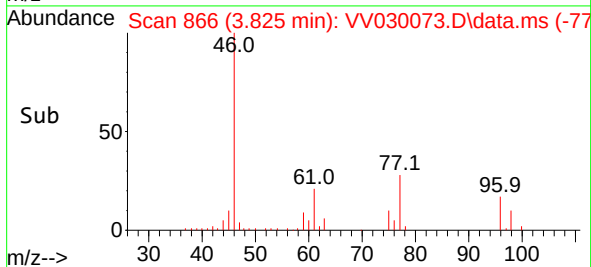
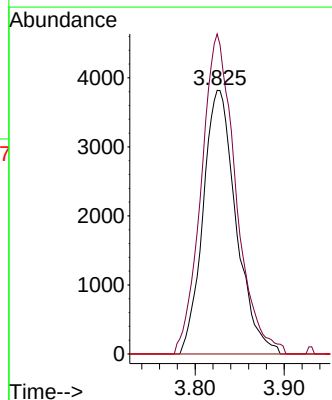
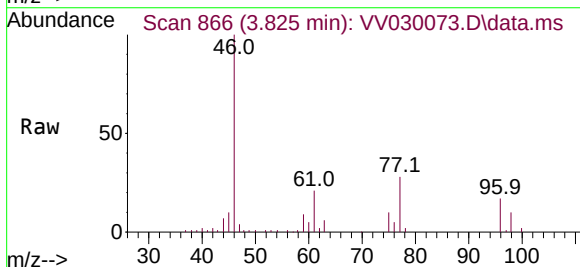
Tgt Ion: 96 Resp: 9858

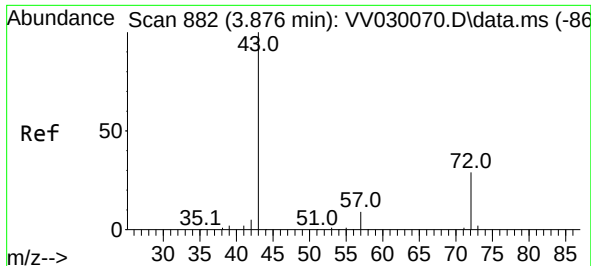
Ion Ratio Lower Upper

96 100

61 121.3 86.0 159.6

68 0.0 0.0 0.0

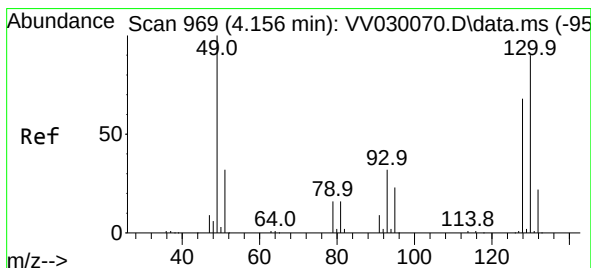
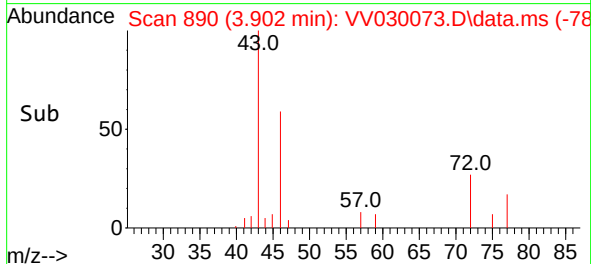
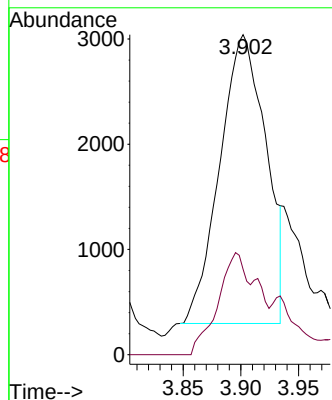
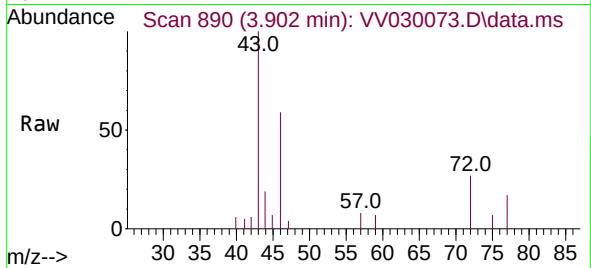




#22
2-Butanone
Concen: 3.678 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.026 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

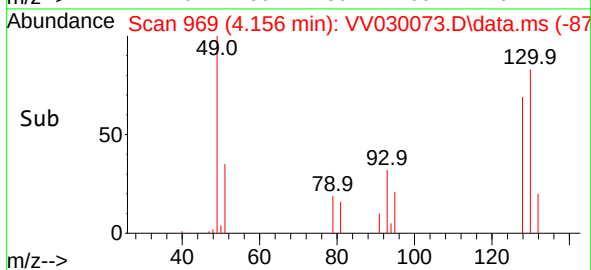
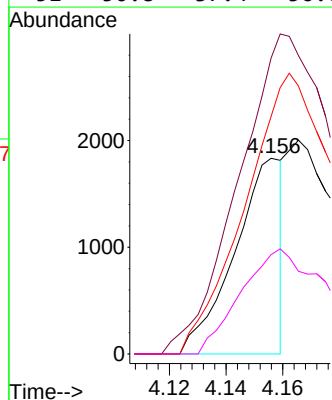
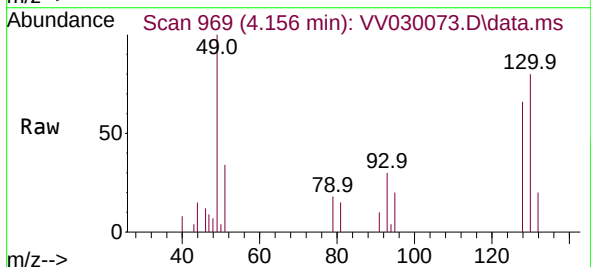
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

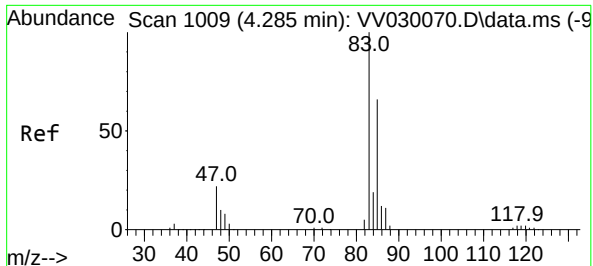
Tgt Ion: 43 Resp: 7632
Ion Ratio Lower Upper
43 100
72 22.6 14.7 44.1



#23
Bromochloromethane
Concen: 1.182 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion: 128 Resp: 2136
Ion Ratio Lower Upper
128 100
49 151.1 101.0 187.6
130 121.3 88.2 163.8
51 50.8 37.4 56.0





#25

Chloroform

Concen: 3.198 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

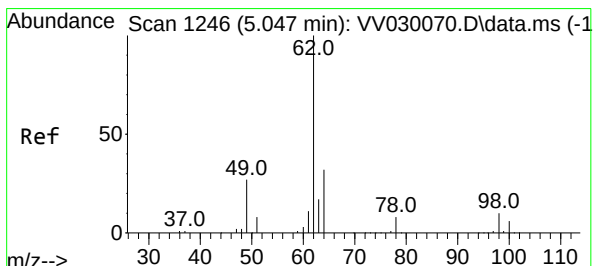
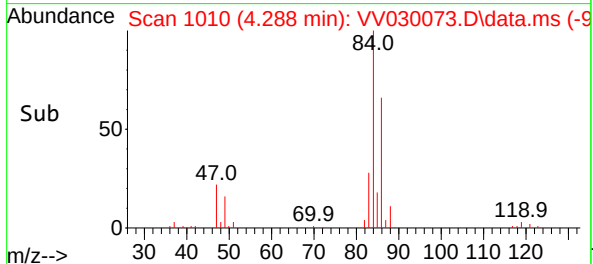
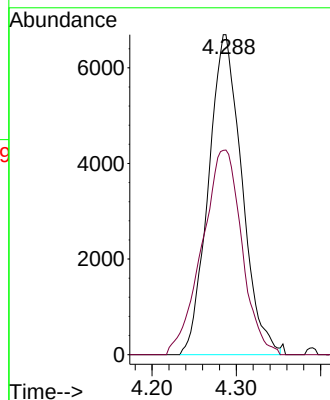
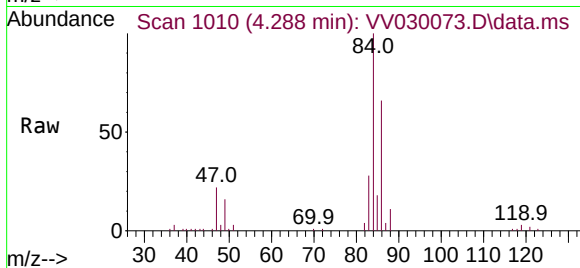
MDL-WATER-QT1-2023-01

Tgt Ion: 83 Resp: 18412

Ion Ratio Lower Upper

83 100

85 64.0 45.4 84.4



#27

1,2-Dichloroethane

Concen: 3.042 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.006 min

Lab File: VV030073.D

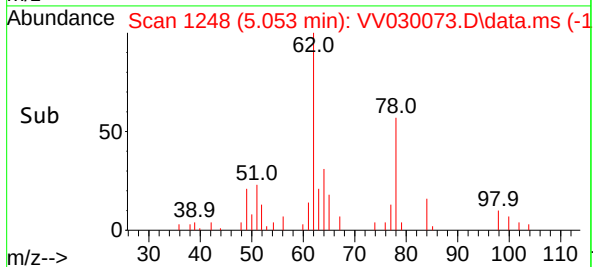
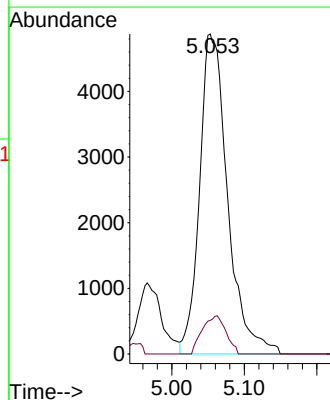
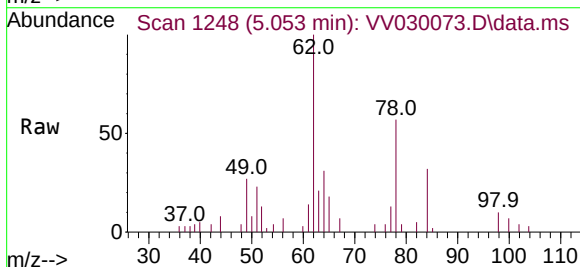
Acq: 20 Feb 2023 13:03

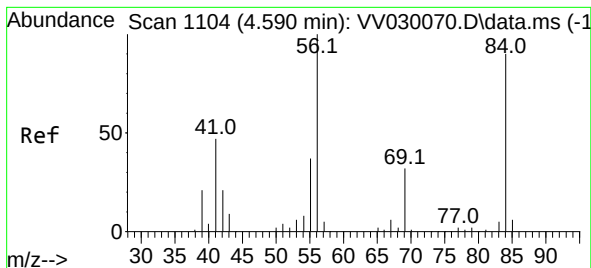
Tgt Ion: 62 Resp: 13080

Ion Ratio Lower Upper

62 100

98 10.5 8.5 12.7





#29

Cyclohexane

Concen: 2.937 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

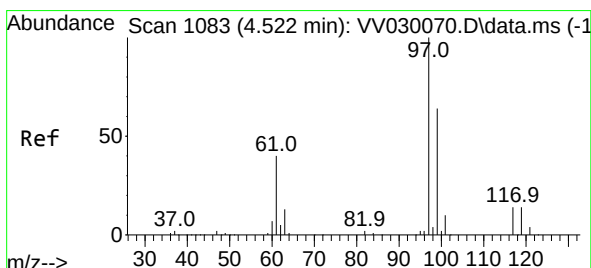
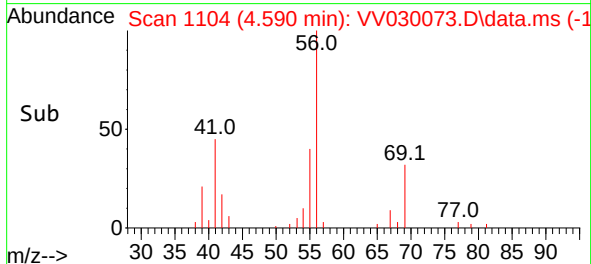
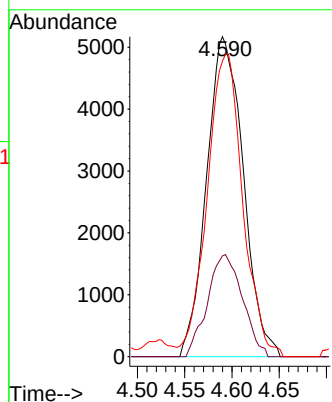
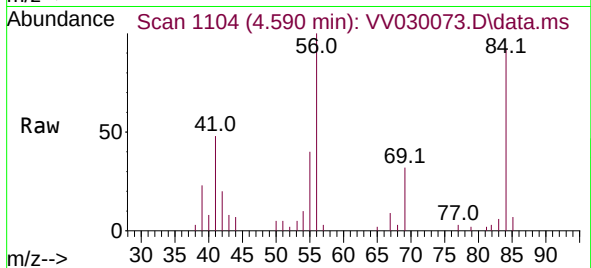
Tgt Ion: 56 Resp: 13933

Ion Ratio Lower Upper

56 100

69 30.4 25.3 37.9

84 91.9 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 2.924 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

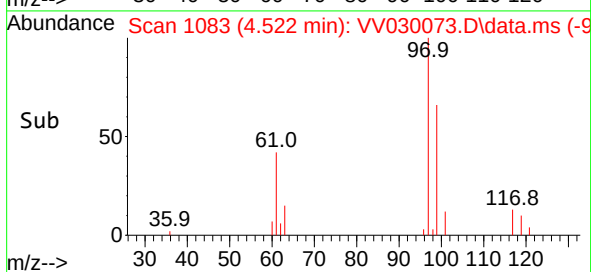
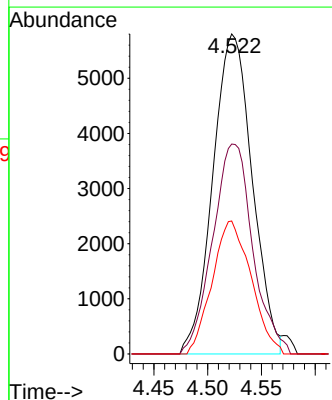
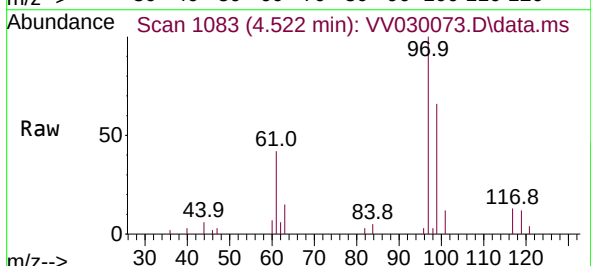
Tgt Ion: 97 Resp: 14785

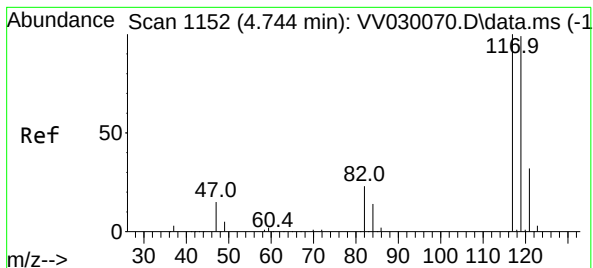
Ion Ratio Lower Upper

97 100

99 66.8 50.7 76.1

61 40.9 31.6 47.4





#31

Carbon tetrachloride

Concen: 2.922 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

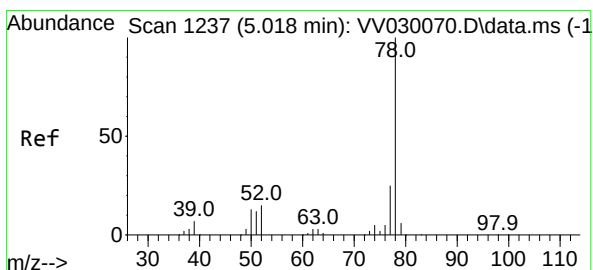
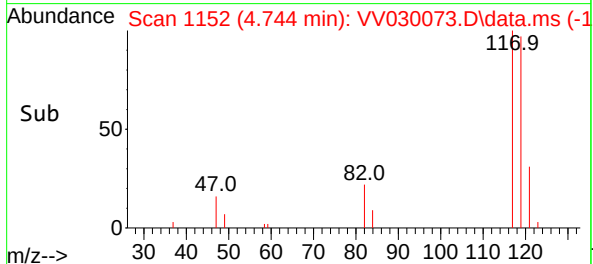
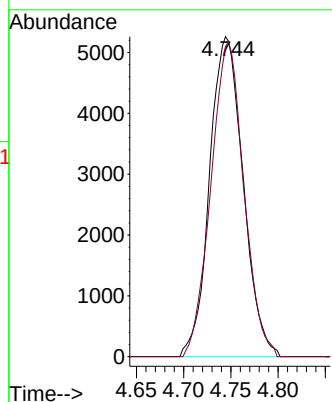
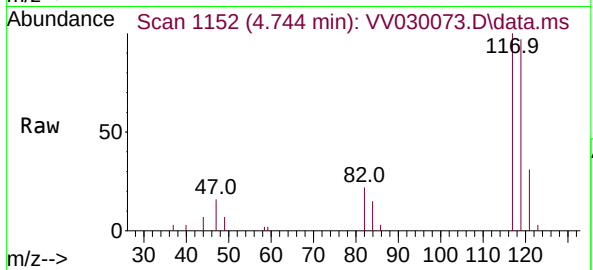
MDL-WATER-QT1-2023-01

Tgt Ion:117 Resp: 12970

Ion Ratio Lower Upper

117 100

119 96.4 76.8 115.2



#33

Benzene

Concen: 3.023 ug/L

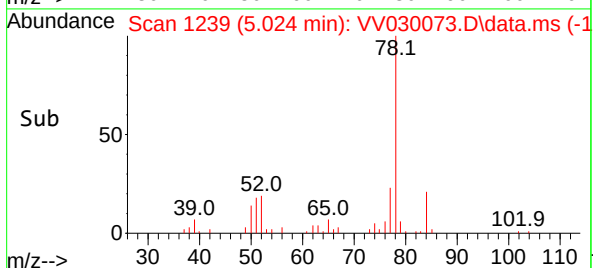
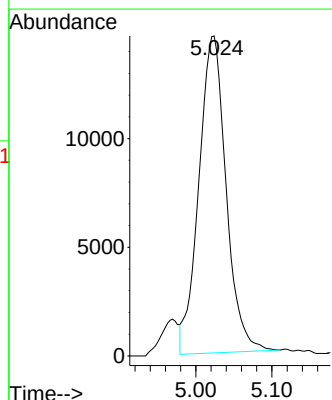
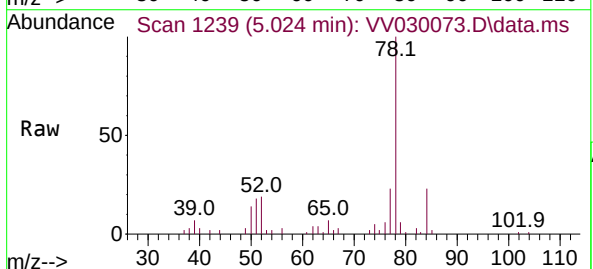
RT: 5.024 min Scan# 1239

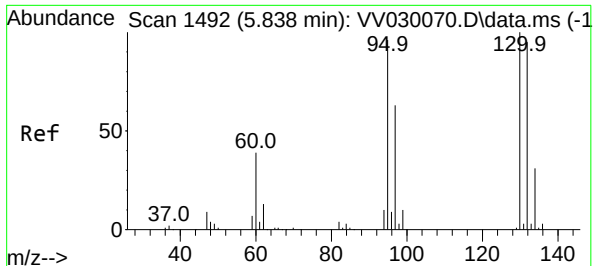
Delta R.T. 0.006 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Tgt Ion: 78 Resp: 36311



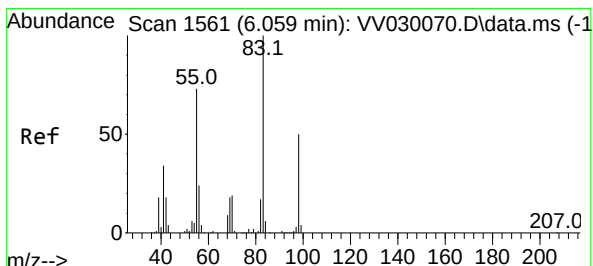
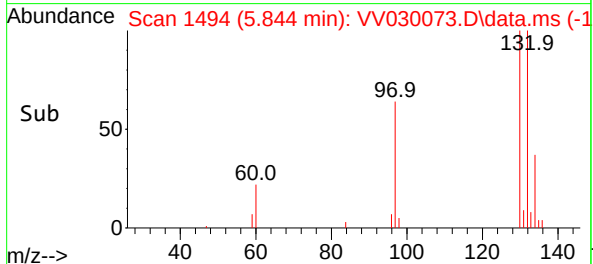
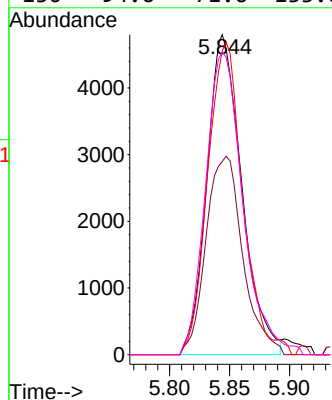
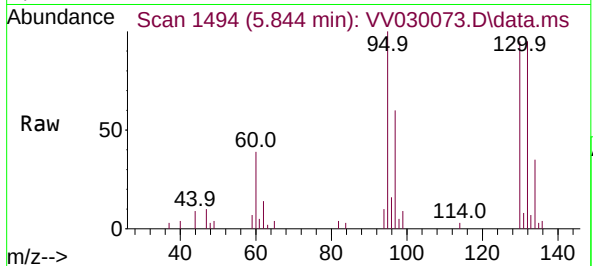


#34
Trichloroethene
Concen: 2.979 ug/L
RT: 5.844 min Scan# 1492
Delta R.T. 0.006 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 95 Resp: 9739

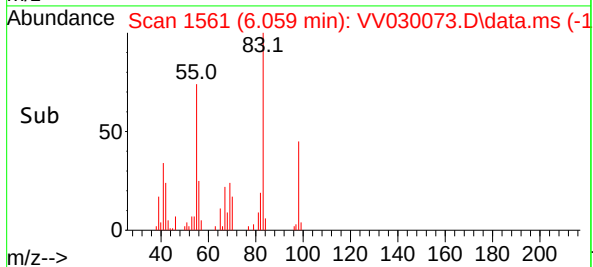
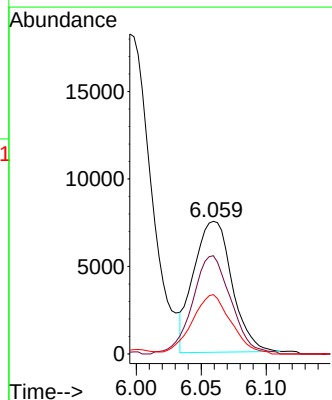
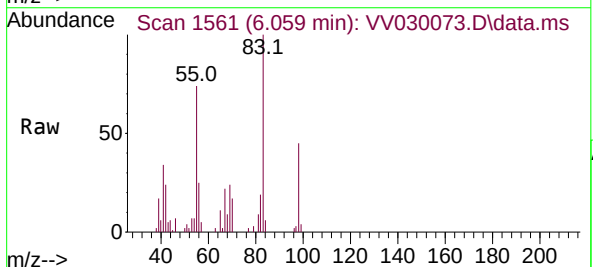
Ion	Ratio	Lower	Upper
95	100		
97	60.4	44.1	81.9
132	95.0	68.3	126.9
130	94.6	71.6	133.0

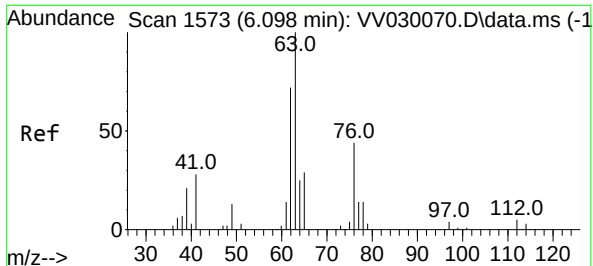


#35
Methylcyclohexane
Concen: 2.955 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion: 83 Resp: 15337

Ion	Ratio	Lower	Upper
83	100		
55	75.5	58.4	87.6
98	46.2	39.8	59.8





#37

1,2-Dichloropropane

Concen: 3.166 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

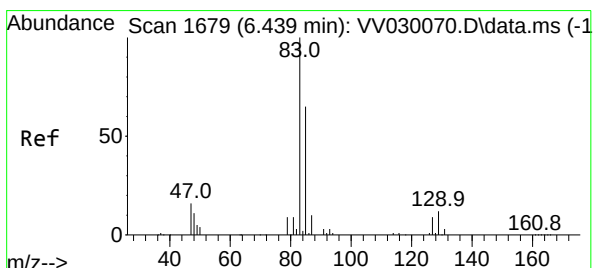
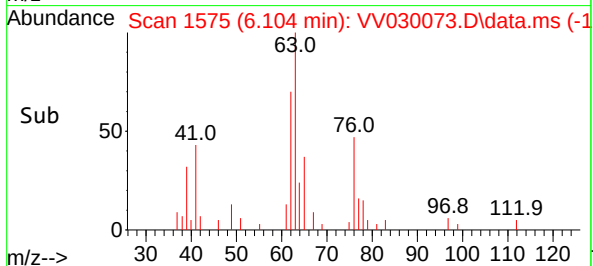
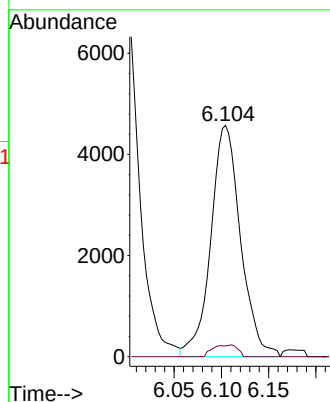
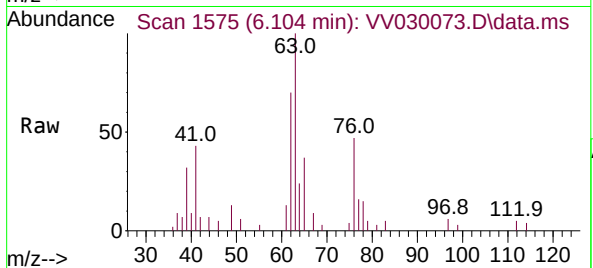
MDL-WATER-QT1-2023-01

Tgt Ion: 63 Resp: 10014

Ion Ratio Lower Upper

63 100

112 2.4 3.7 5.5#



#38

Bromodichloromethane

Concen: 2.871 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

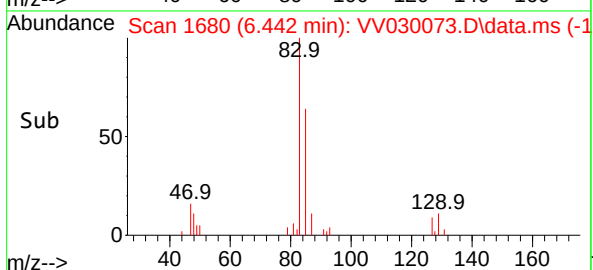
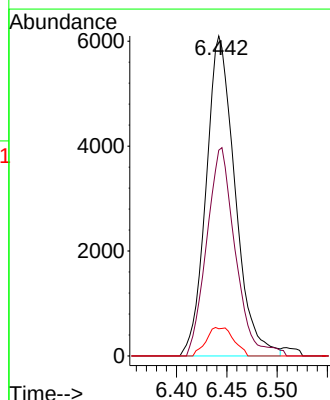
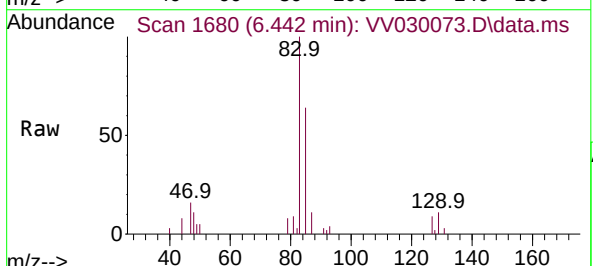
Tgt Ion: 83 Resp: 12198

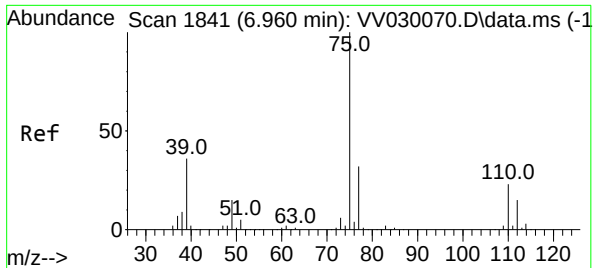
Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.5

127 10.4 6.8 10.2#





#39

cis-1,3-Dichloropropene

Concen: 2.664 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

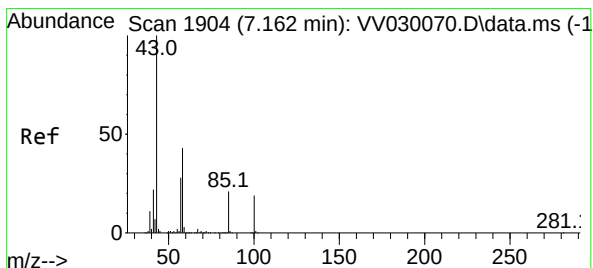
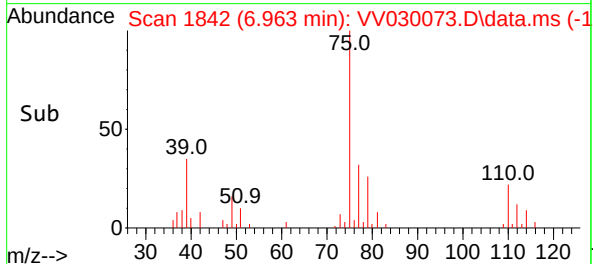
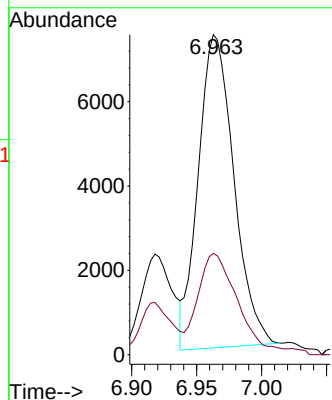
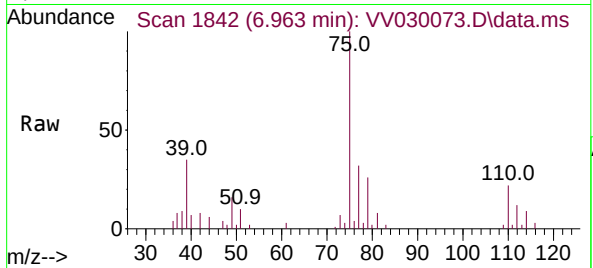
MDL-WATER-QT1-2023-01

Tgt Ion: 75 Resp: 14164

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 5.246 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

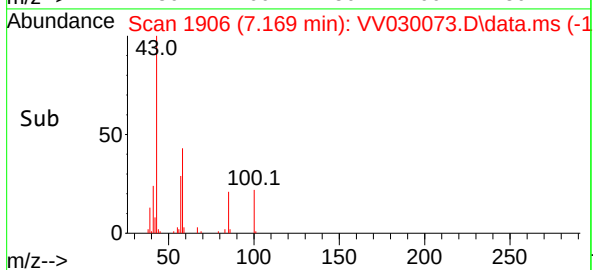
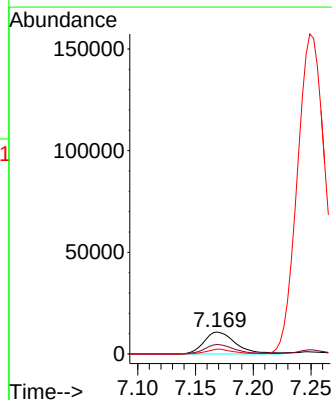
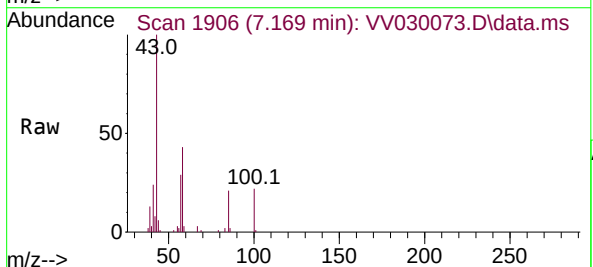
Tgt Ion: 43 Resp: 20629

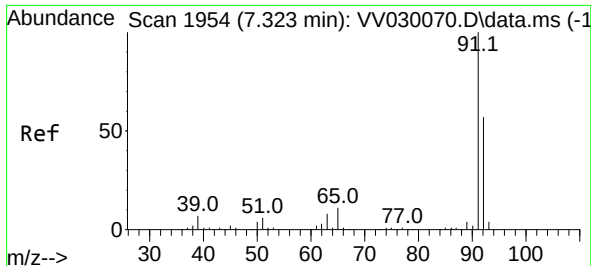
Ion Ratio Lower Upper

43 100

58 41.5 34.8 52.2

100 18.6 14.6 22.0





#42

Toluene

Concen: 2.931 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

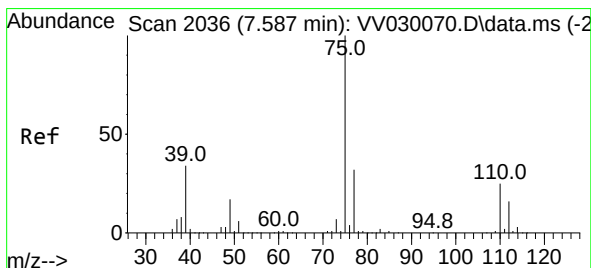
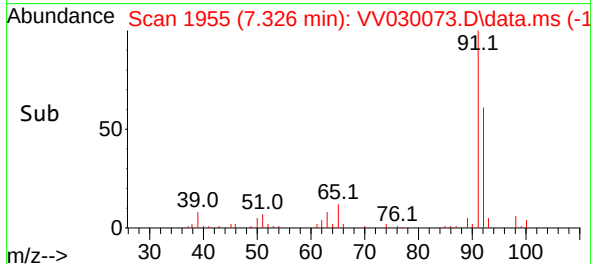
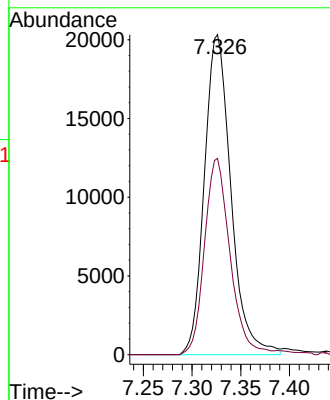
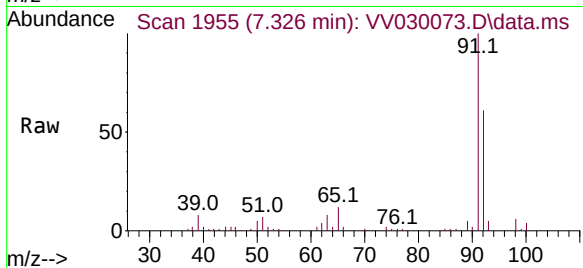
MDL-WATER-QT1-2023-01

Tgt Ion: 91 Resp: 38527

Ion Ratio Lower Upper

91 100

92 61.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 3.484 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030073.D

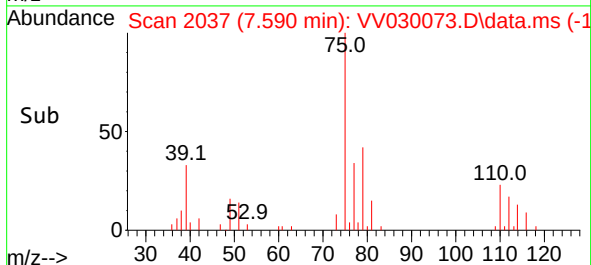
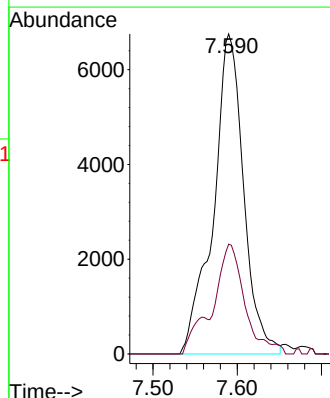
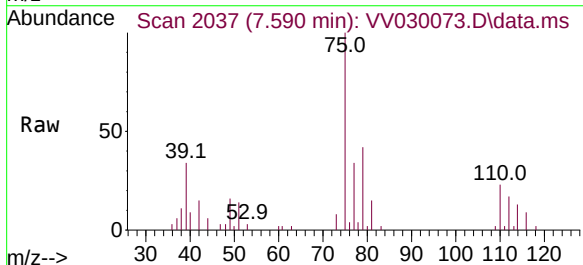
Acq: 20 Feb 2023 13:03

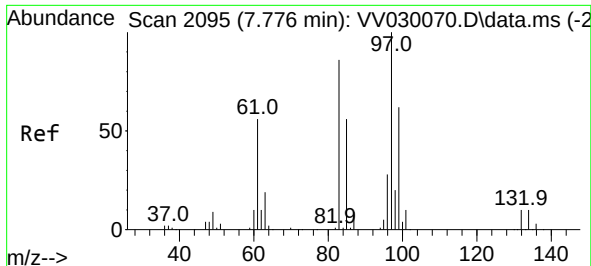
Tgt Ion: 75 Resp: 16848

Ion Ratio Lower Upper

75 100

77 34.3 22.3 41.5

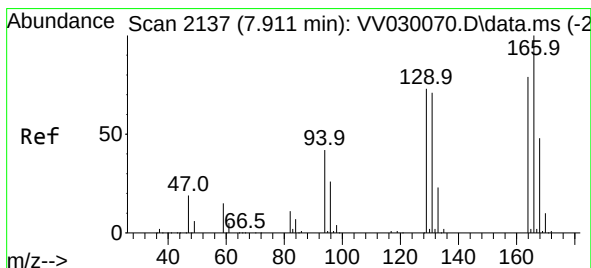
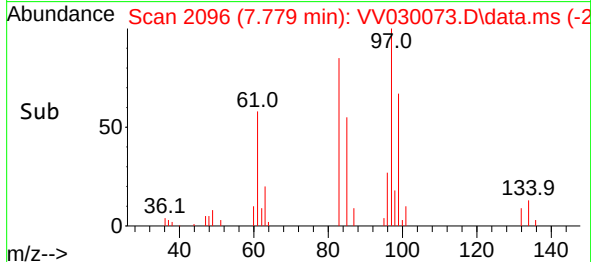
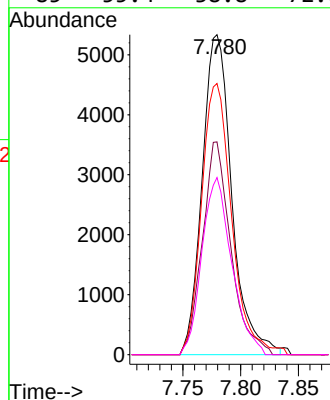
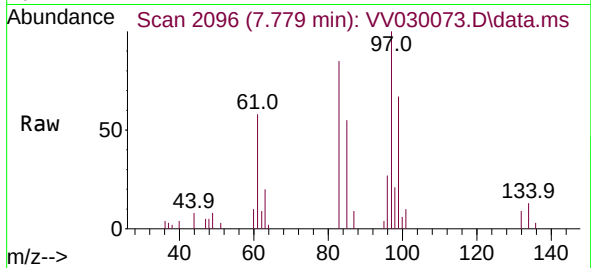




#45
1,1,2-Trichloroethane
Concen: 2.906 ug/L
RT: 7.779 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

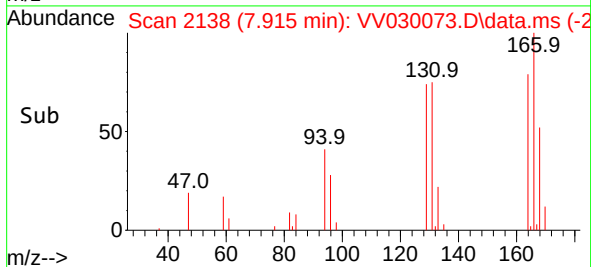
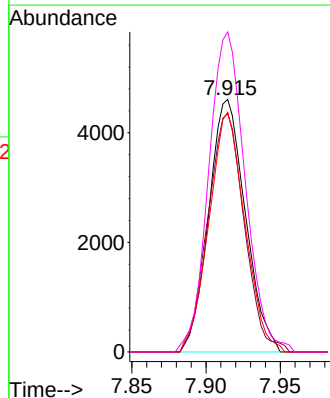
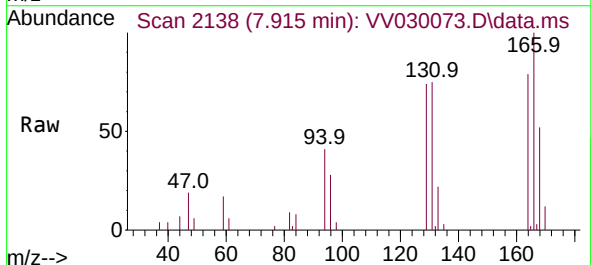
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2023-01

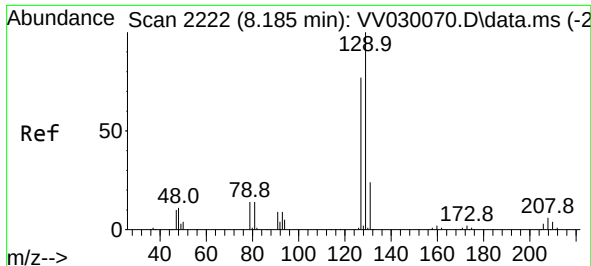
Tgt Ion: 97	Resp: 9539
Ion Ratio	Lower Upper
97 100	
99 66.5	43.8 81.4
83 84.7	59.9 111.3
85 55.4	38.8 72.0



#46
Tetrachloroethene
Concen: 2.880 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt	Ion:164	Resp:	7915
Ion	Ratio	Lower	Upper
164	100		
129	94.3	65.2	121.0
131	94.9	63.1	117.3
166	126.7	88.7	164.7





#49

Dibromochloromethane

Concen: 2.765 ug/L

RT: 8.185 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

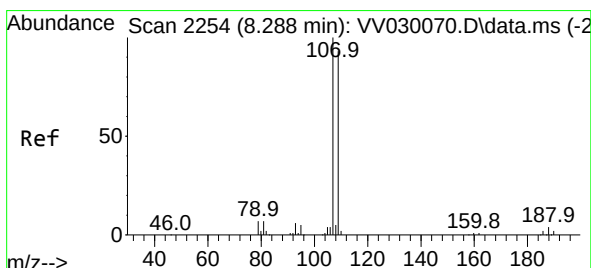
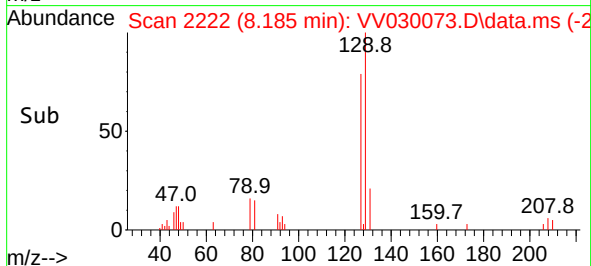
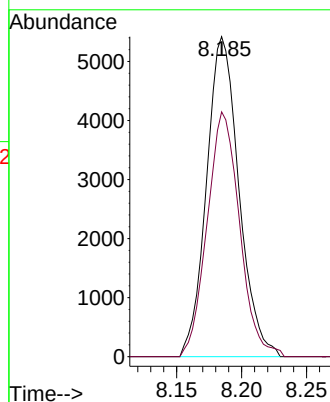
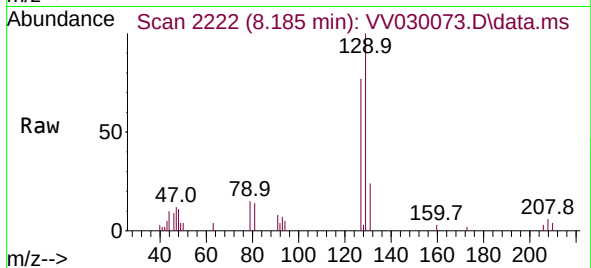
MDL-WATER-QT1-2023-01

Tgt Ion:129 Resp: 9410

Ion Ratio Lower Upper

129 100

127 76.5 54.9 102.1



#50

1,2-Dibromoethane

Concen: 2.820 ug/L

RT: 8.294 min Scan# 2256

Delta R.T. 0.006 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

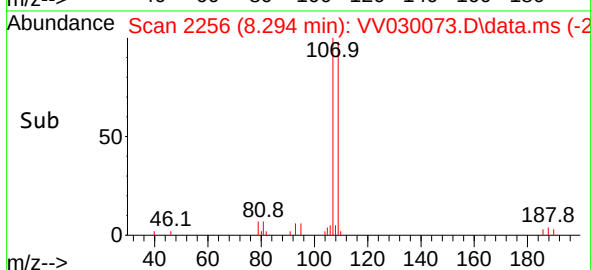
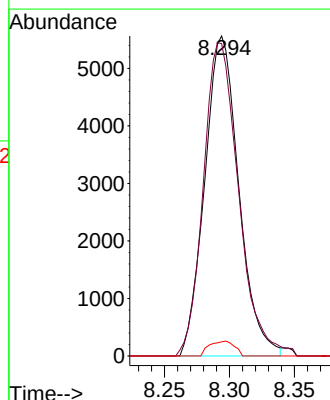
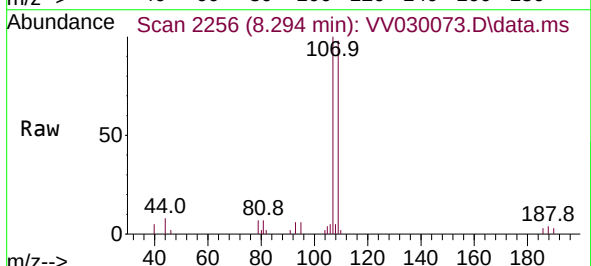
Tgt Ion:107 Resp: 10158

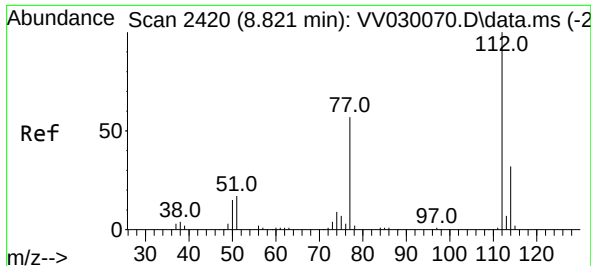
Ion Ratio Lower Upper

107 100

109 97.6 66.0 122.6

188 4.4 3.4 5.0

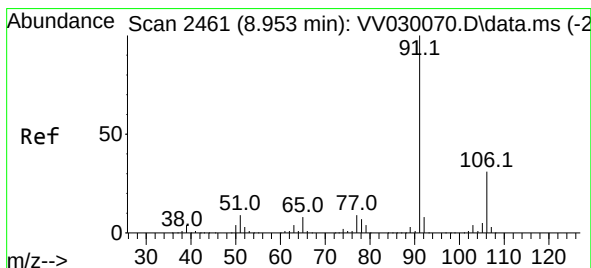
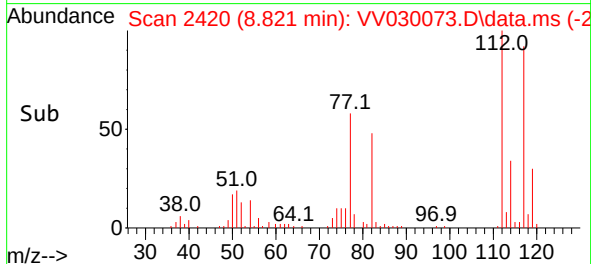
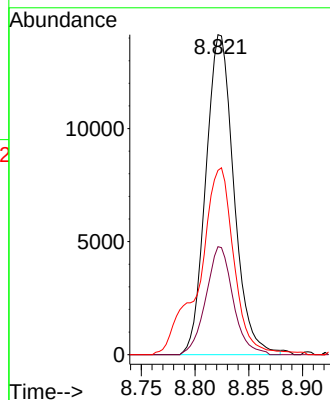
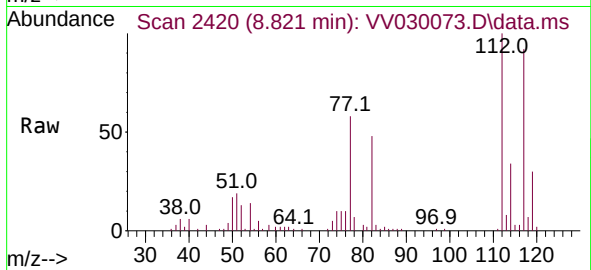




#51
Chlorobenzene
Concen: 2.933 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

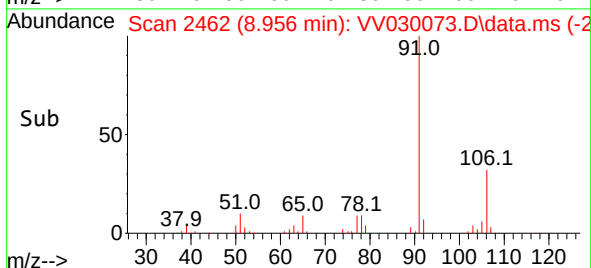
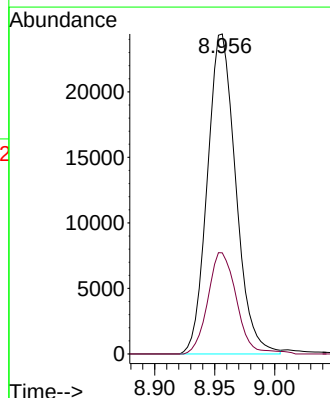
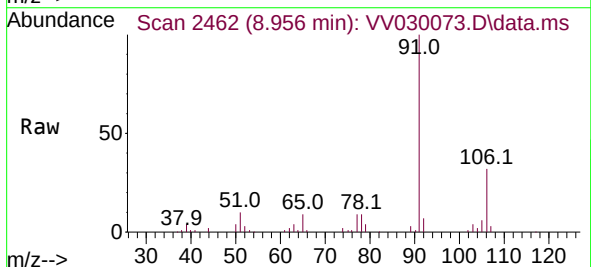
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

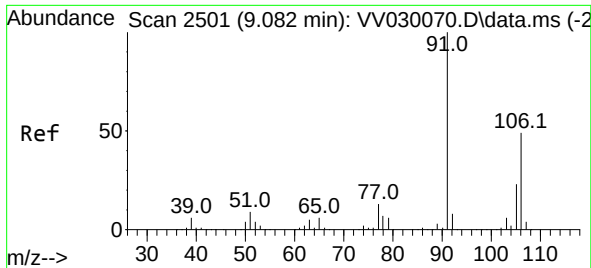
Tgt Ion:112 Resp: 25690
Ion Ratio Lower Upper
112 100
114 33.8 22.3 41.3
77 57.6 46.0 69.0



#52
Ethylbenzene
Concen: 2.763 ug/L
RT: 8.956 min Scan# 2462
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion: 91 Resp: 40208
Ion Ratio Lower Upper
91 100
106 31.6 22.0 40.8

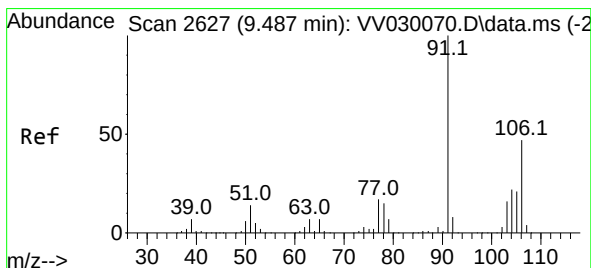
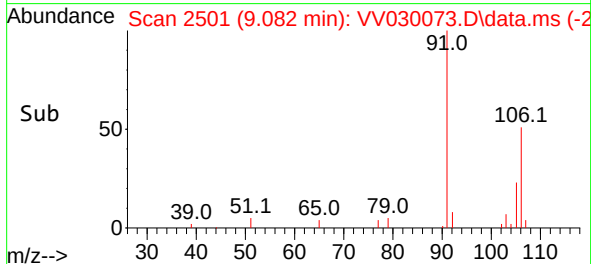
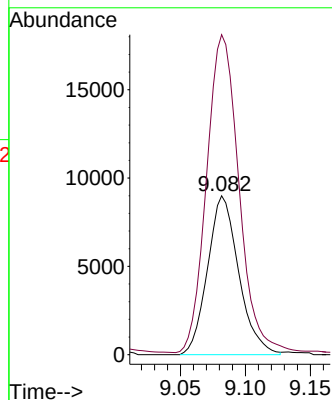
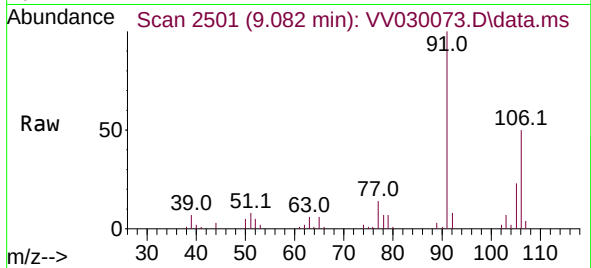




#53
m,p-Xylene
Concen: 2.699 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

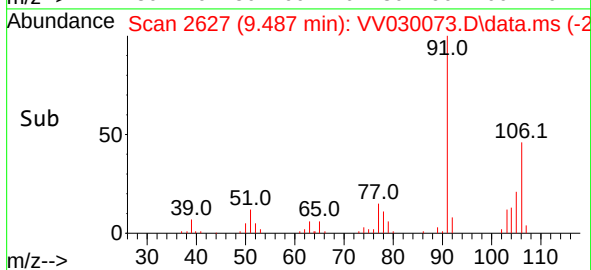
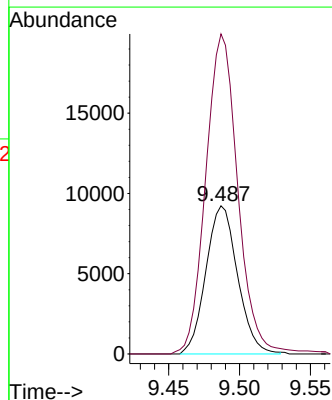
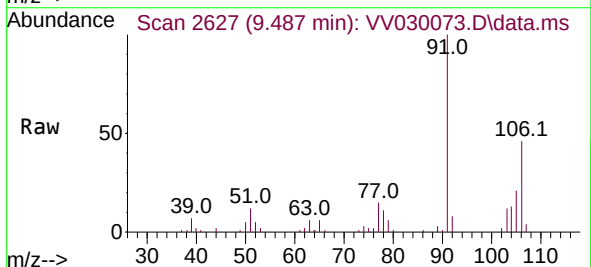
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2023-01

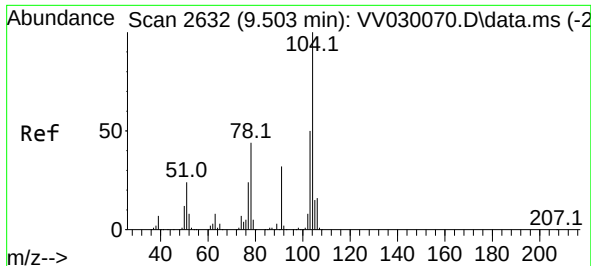
Tgt Ion:106 Resp: 15008
Ion Ratio Lower Upper
106 100
91 201.3 142.0 263.8



#54
o-Xylene
Concen: 2.674 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion:106 Resp: 14327
Ion Ratio Lower Upper
106 100
91 215.9 151.5 281.3

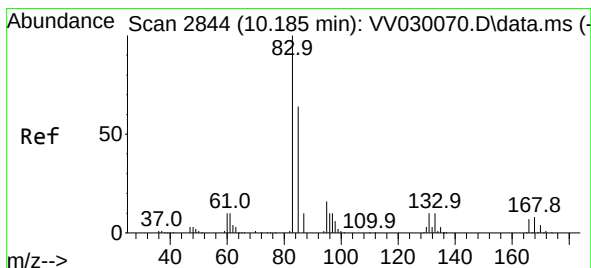
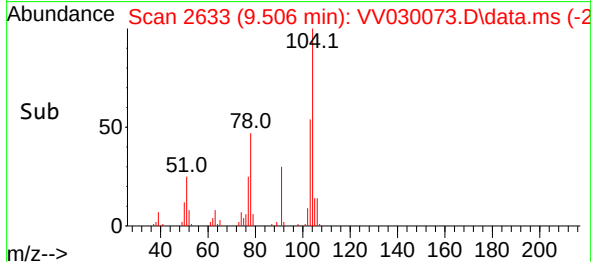
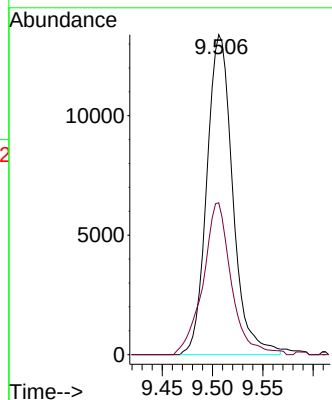
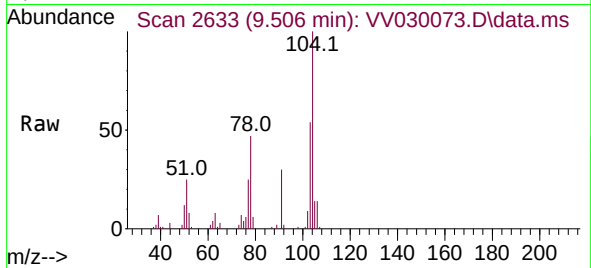




#55
Styrene
Concen: 2.622 ug/L
RT: 9.506 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

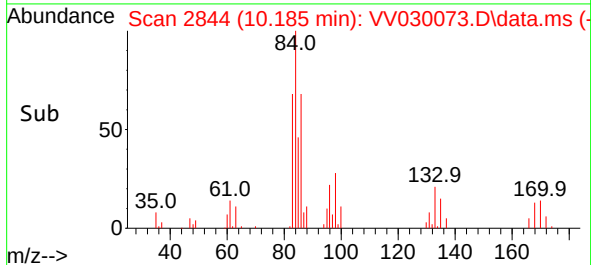
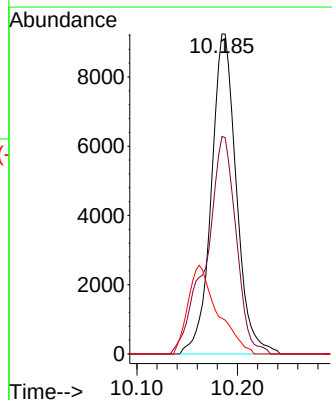
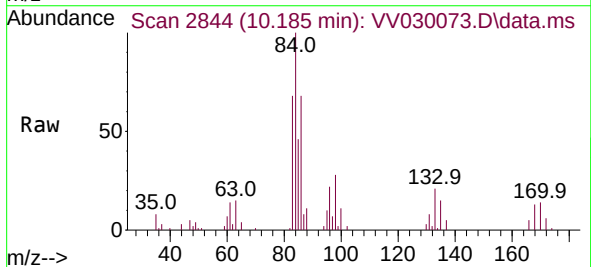
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

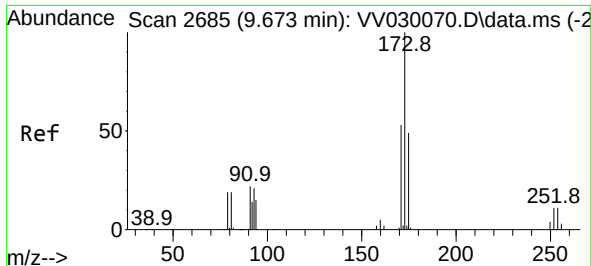
Tgt Ion:104 Resp: 23996
Ion Ratio Lower Upper
104 100
78 47.4 31.9 59.2



#57
1,1,2,2-Tetrachloroethane
Concen: 2.976 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion: 83 Resp: 15970
Ion Ratio Lower Upper
83 100
85 68.0 45.5 84.5
131 11.1 8.3 12.5

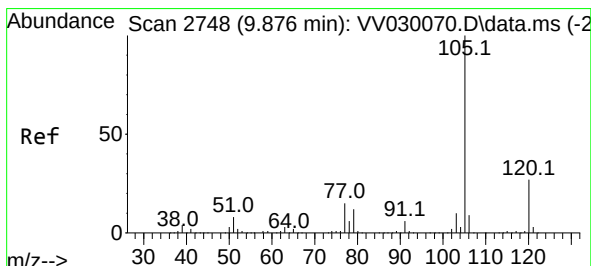
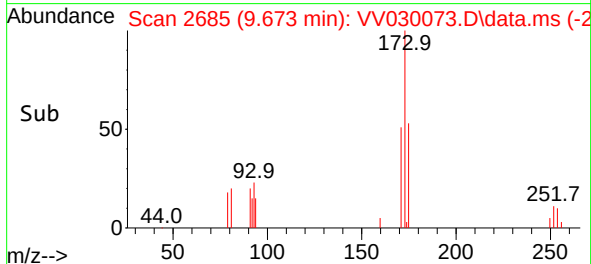
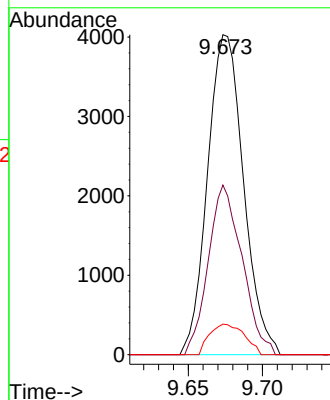
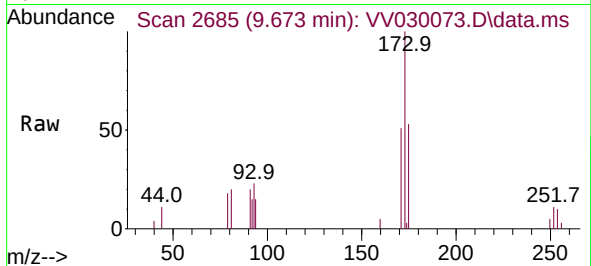




#59
Bromoform
Concen: 2.877 ug/L
RT: 9.673 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

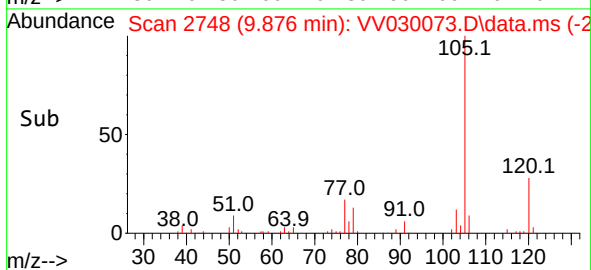
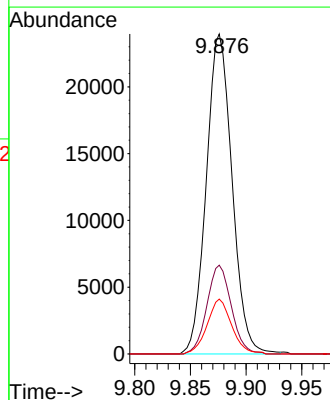
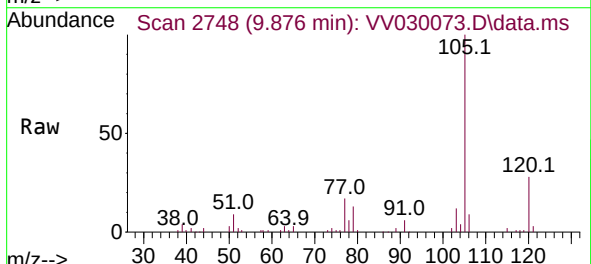
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

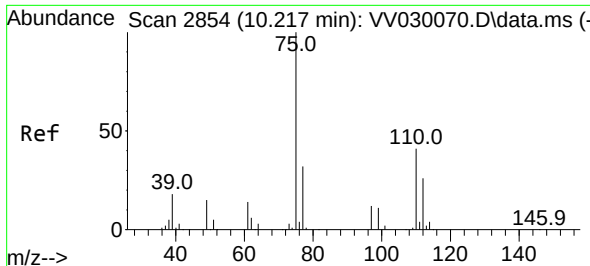
Tgt Ion:173	Resp:	6791
Ion Ratio	Lower	Upper
173	100	
175	49.8	38.7 58.1
254	9.2	8.7 13.1



#60
Isopropylbenzene
Concen: 2.721 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion:105	Resp:	38576
Ion Ratio	Lower	Upper
105	100	
120	26.2	21.4 32.0
77	16.2	12.2 18.2

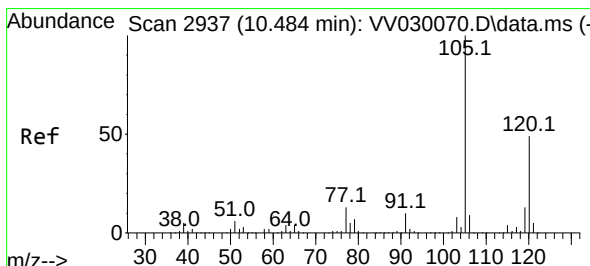
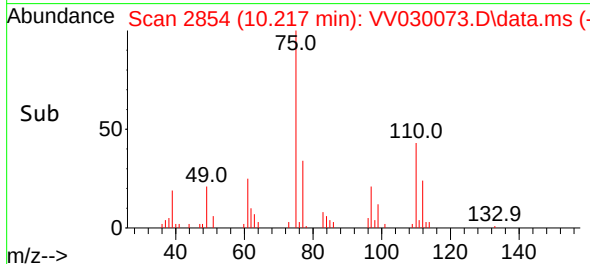
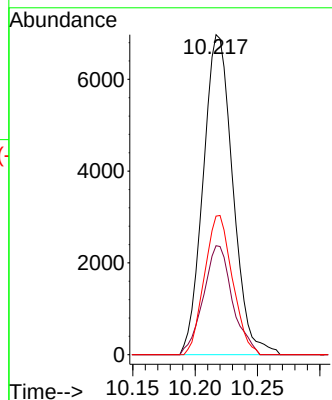
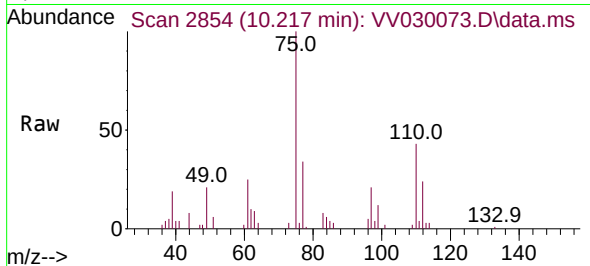




#61
1,2,3-Trichloropropane
Concen: 2.922 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

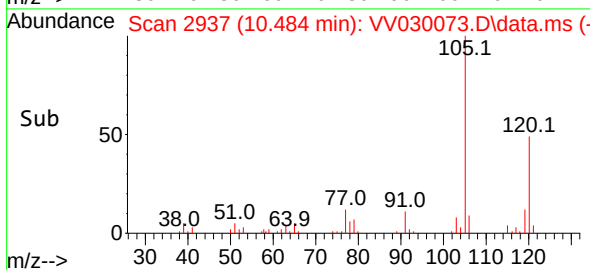
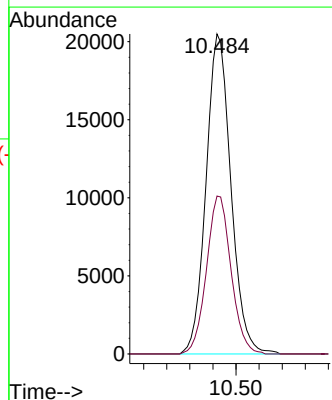
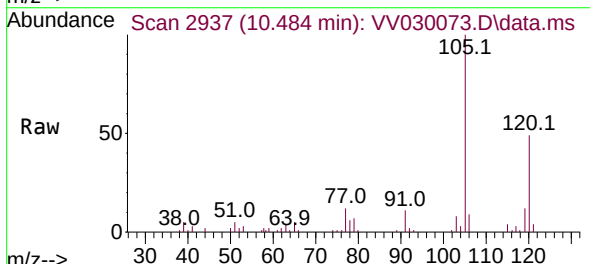
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

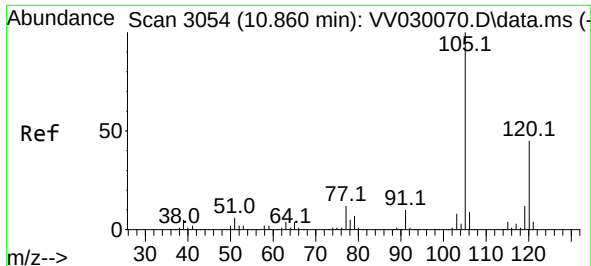
Tgt Ion:	75	Resp:	11523
Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.9	38.9
110	41.2	32.1	48.1



#62
1,3,5-Trimethylbenzene
Concen: 2.610 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion:	105	Resp:	30642
Ion	Ratio	Lower	Upper
105	100		
120	48.8	39.0	58.4

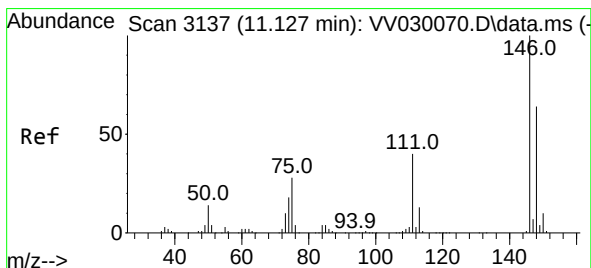
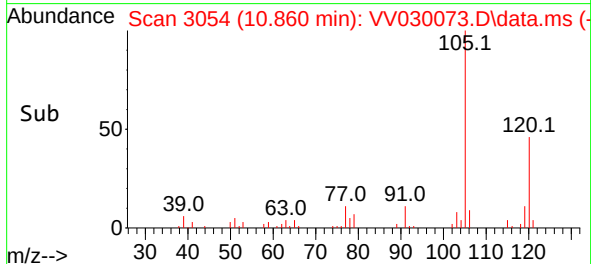
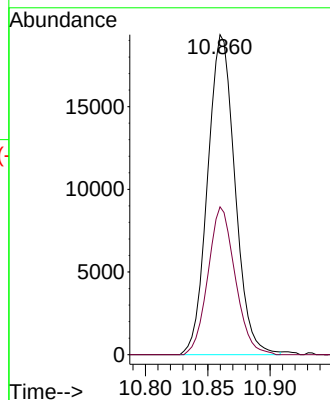
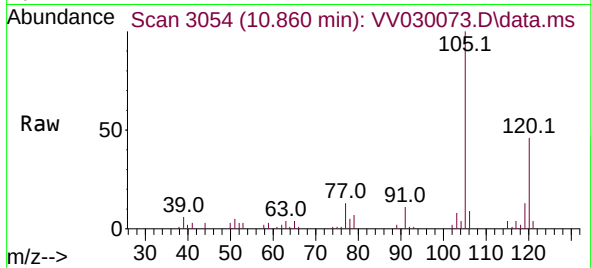




#63
1,2,4-Trimethylbenzene
Concen: 2.563 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

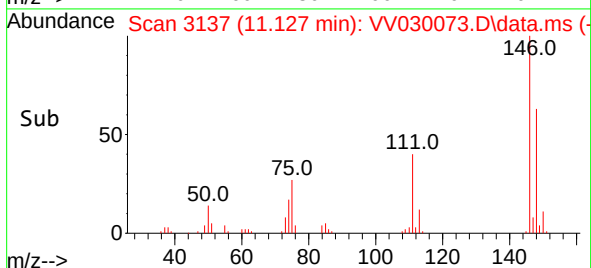
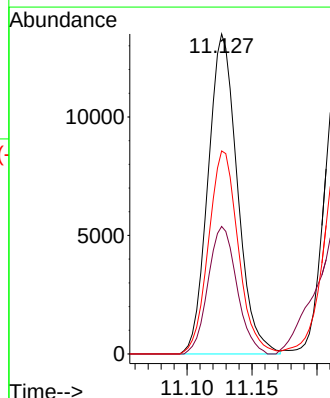
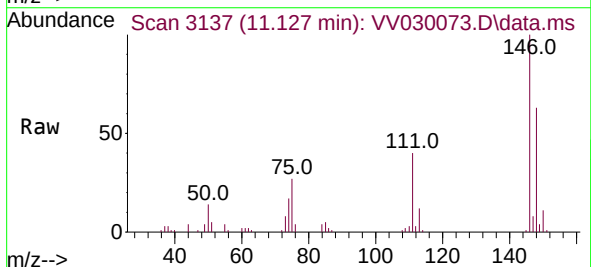
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2023-01

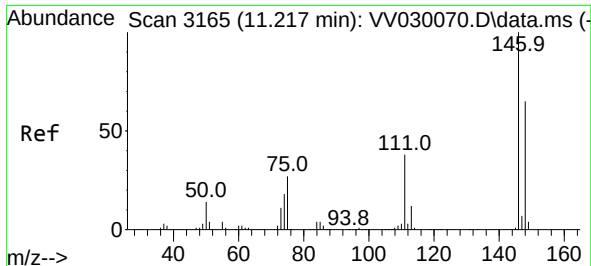
Tgt Ion:105 Resp: 29572
Ion Ratio Lower Upper
105 100
120 45.8 36.3 54.5



#64
1,3-Dichlorobenzene
Concen: 2.962 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion:146 Resp: 21157
Ion Ratio Lower Upper
146 100
111 39.9 28.2 52.4
148 63.4 45.3 84.1

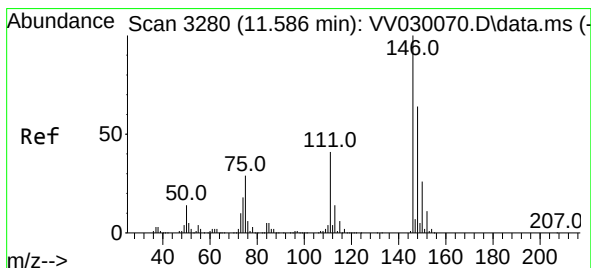
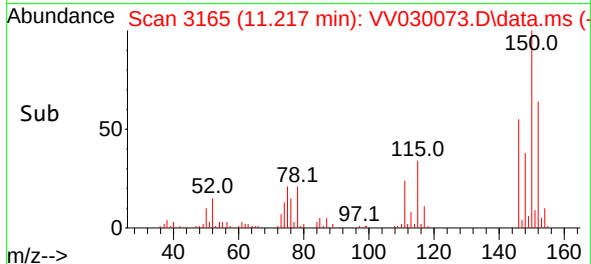
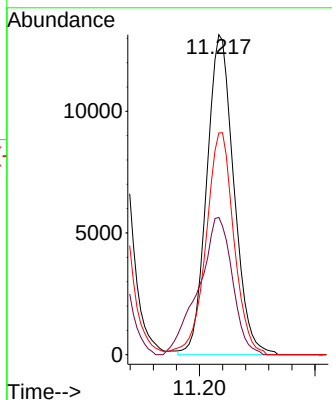
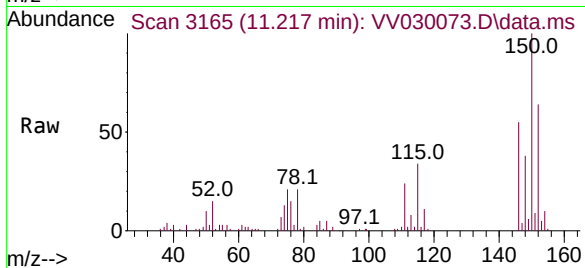




#65
1,4-Dichlorobenzene
Concen: 2.928 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

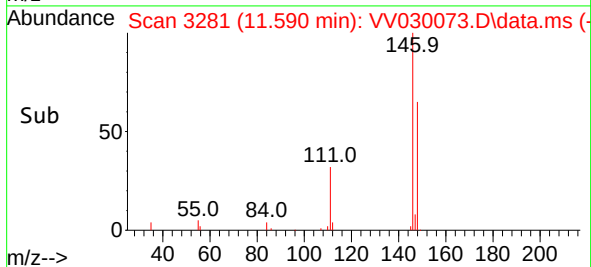
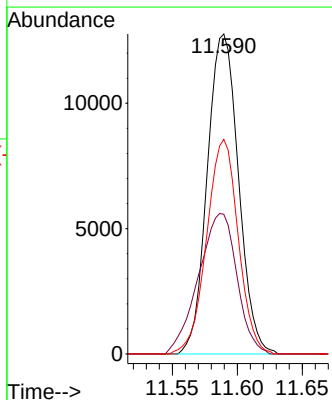
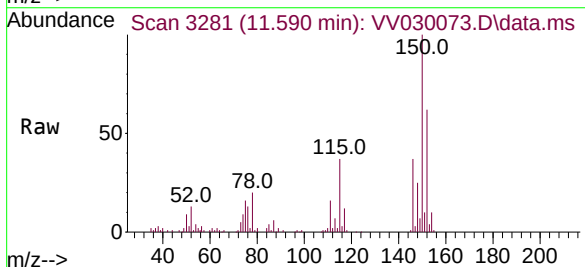
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-01

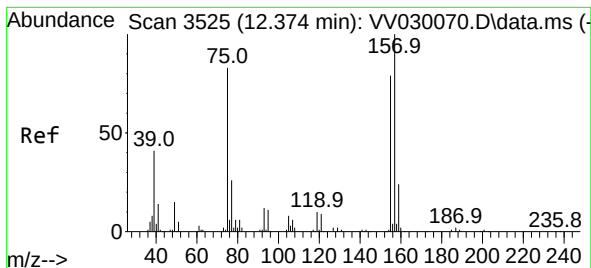
Tgt Ion:146 Resp: 21404
Ion Ratio Lower Upper
146 100
111 42.9 27.1 50.3
148 69.3 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 3.000 ug/L
RT: 11.590 min Scan# 3281
Delta R.T. 0.003 min
Lab File: VV030073.D
Acq: 20 Feb 2023 13:03

Tgt Ion:146 Resp: 21336
Ion Ratio Lower Upper
146 100
111 43.7 33.0 49.4
148 67.0 50.7 76.1





#68

1,2-Dibromo-3-chloropropane

Concen: 2.754 ug/L

RT: 12.377 min Scan# 3526

Delta R.T. 0.003 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

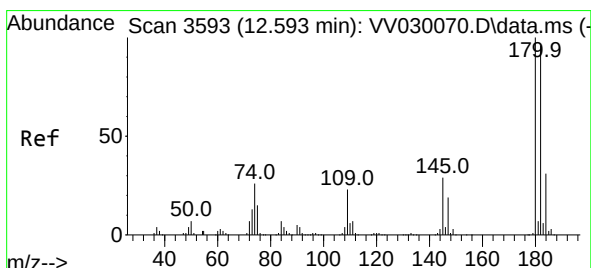
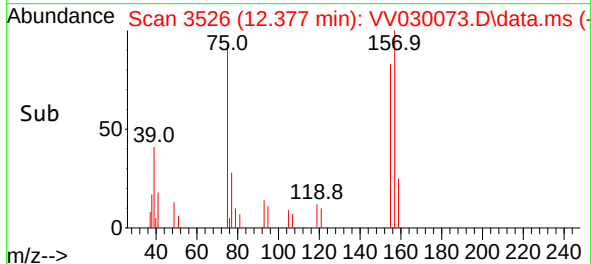
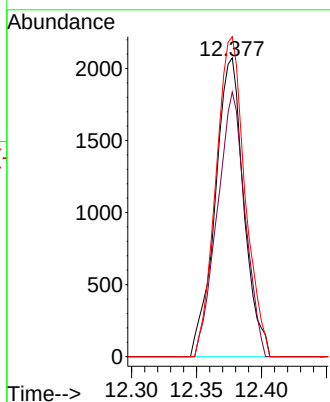
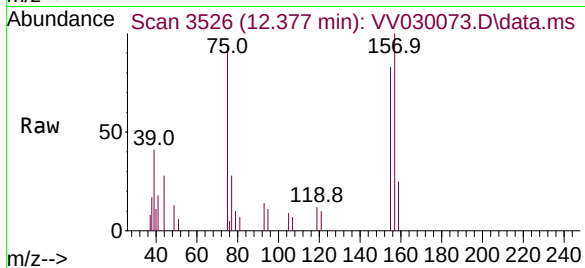
Tgt Ion: 75 Resp: 3169

Ion Ratio Lower Upper

75 100

155 88.6 76.2 114.2

157 107.1 96.0 144.0



#69

1,3,5-Trichlorobenzene

Concen: 2.850 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Tgt Ion:180 Resp: 16244

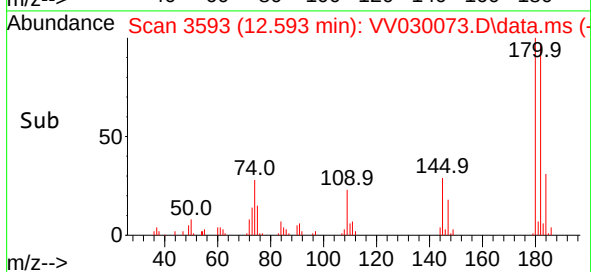
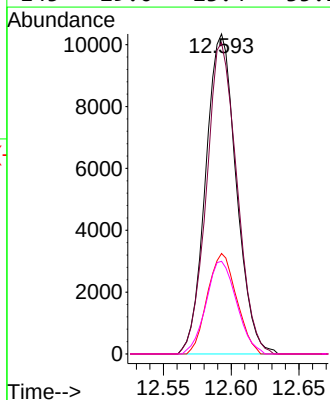
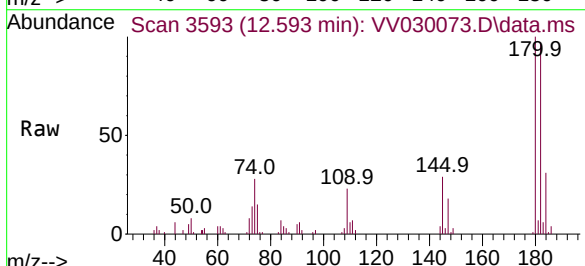
Ion Ratio Lower Upper

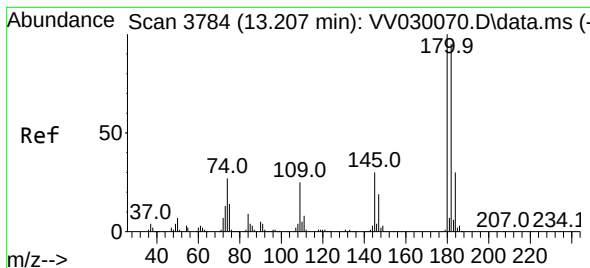
180 100

182 96.6 76.4 114.6

184 29.8 24.5 36.7

145 29.0 23.4 35.2





#70

1,2,4-trichlorobenzene

Concen: 2.832 ug/L

RT: 13.210 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-01

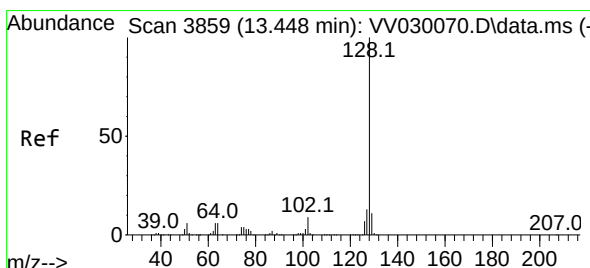
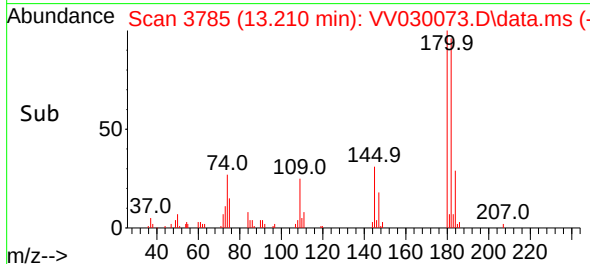
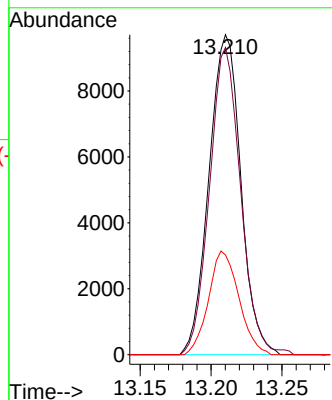
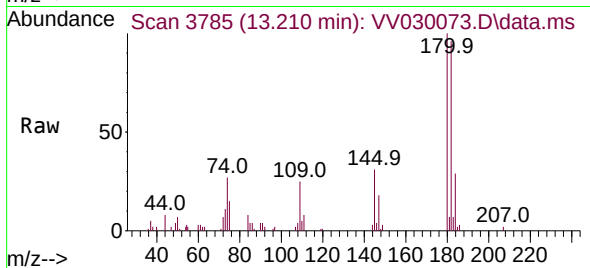
Tgt Ion:180 Resp: 15172

Ion Ratio Lower Upper

180 100

182 93.1 76.6 114.8

145 30.9 24.3 36.5



#71

Naphthalene

Concen: 2.362 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.003 min

Lab File: VV030073.D

Acq: 20 Feb 2023 13:03

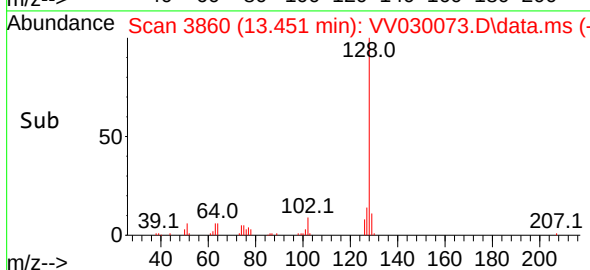
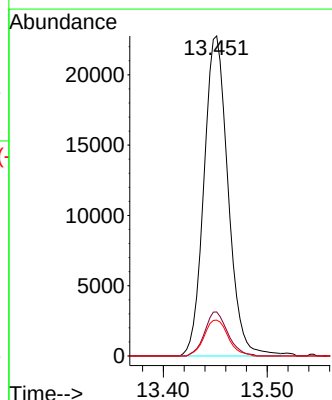
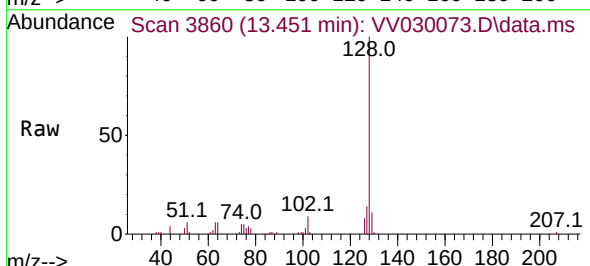
Tgt Ion:128 Resp: 36712

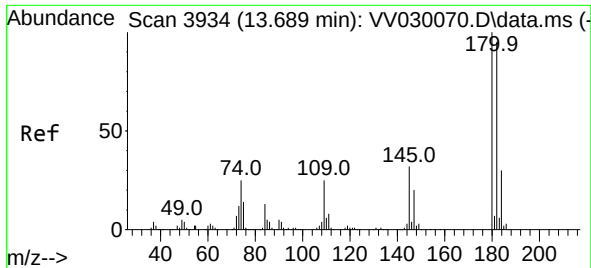
Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

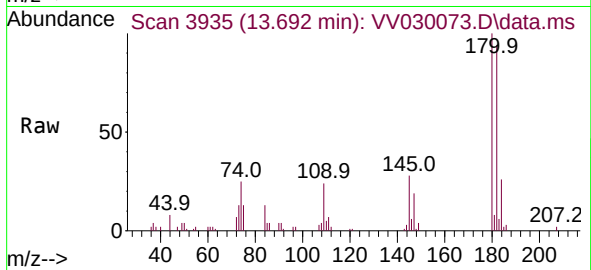
129 11.1 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 2.802 ug/L
 RT: 13.692 min Scan# 3935
 Delta R.T. 0.003 min
 Lab File: VV030073.D
 Acq: 20 Feb 2023 13:03

Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT1-2023-01



Tgt Ion:	180	Resp:	14734
Ion Ratio	Lower	Upper	
180	100		
182	93.5	75.8	113.8
145	27.6	25.0	37.6

