

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071222\
 Data File : U049689.D
 Acq On : 12 Jul 2022 12:55
 Operator : SY/MD
 Sample : N3670-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-03

Quant Time: Jul 13 06:52:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 13 06:51:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	196782	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	189798	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	87635	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75627	45.549	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 91.100%			
7) Chloroethane-d5	1.906	69	60069	50.051	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.100%			
11) 1,1-Dichloroethene-d2	2.565	63	103556	35.310	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.620%			
21) 2-Butanone-d5	4.620	46	165886	117.037	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 117.040%			
24) Chloroform-d	5.064	84	151186	51.411	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.820%			
26) 1,2-Dichloroethane-d4	5.700	65	107810	54.168	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.340%			
32) Benzene-d6	5.726	84	290430	50.369	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.740%			
36) 1,2-Dichloropropane-d6	6.690	67	102197	52.694	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 105.380%			
41) Toluene-d8	7.899	98	248924	49.573	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.140%			
43) trans-1,3-Dichloroprop...	8.179	79	42259	51.716	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.440%			
47) 2-Hexanone-d5	8.633	63	95058	108.960	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 108.960%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	142691	52.582	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.160%			
66) 1,2-Dichlorobenzene-d4	12.192	152	88071	53.302	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	5139	2.179	ug/L	100
3) Chloromethane	1.520	50	7082	2.736	ug/L	96
5) Vinyl chloride	1.604	62	5832	2.493	ug/L	89
6) Bromomethane	1.845	94	2948	2.727	ug/L	89
8) Chloroethane	1.925	64	3330	2.570	ug/L	89
9) Trichlorofluoromethane	2.134	101	7113	2.462	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	4366	2.880	ug/L	87
12) 1,1-Dichloroethene	2.578	96	3941	2.801	ug/L #	1
13) Acetone	2.630	43	7489	5.560	ug/L	98
14) Carbon disulfide	2.790	76	11164	2.353	ug/L	99
15) Methyl Acetate	2.951	43	6167	2.818	ug/L	94
16) Methylene chloride	3.048	84	5660	3.195	ug/L	94
17) trans-1,2-Dichloroethene	3.347	96	3740	2.430	ug/L	86
18) Methyl tert-butyl Ether	3.363	73	13309	2.525	ug/L	99
19) 1,1-Dichloroethane	3.871	63	8568	2.674	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	4881	2.822	ug/L	77
22) 2-Butanone	4.713	43	10100	5.600	ug/L	78
23) Bromochloromethane	4.977	128	2250	2.607	ug/L	91
27) 1,2-Dichloroethane	5.797	62	7781	2.844	ug/L #	95

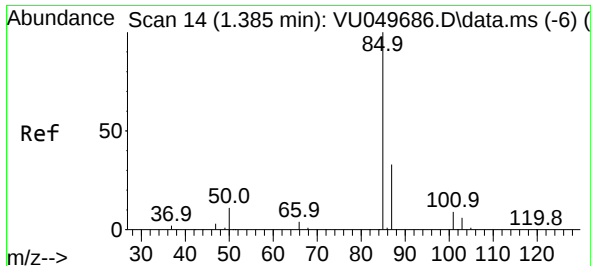
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071222\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.388	56	6247	2.109	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	6831	2.486	ug/L	97
31) Carbon tetrachloride	5.530	117	5467	2.433	ug/L	96
33) Benzene	5.774	78	17439	2.444	ug/L	100
35) Methylcyclohexane	6.761	83	6439	2.376	ug/L	97
37) 1,2-Dichloropropane	6.793	63	5113	2.586	ug/L #	89
38) Bromodichloromethane	7.105	83	6140	2.504	ug/L	92
39) cis-1,3-Dichloropropene	7.610	75	7249	2.718	ug/L	95
40) 4-Methyl-2-pentanone	7.793	43	16359	5.110	ug/L	99
42) Toluene	7.967	91	17547	2.475	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	6160	2.460	ug/L	89
45) 1,1,2-Trichloroethane	8.401	97	4451	2.579	ug/L	97
46) Tetrachloroethene	8.555	164	2770	2.316	ug/L	93
48) 2-Hexanone	8.684	43	19852	7.760	ug/L	95
49) Dibromochloromethane	8.809	129	4330	2.494	ug/L	92
50) 1,2-Dibromoethane	8.925	107	4250	2.479	ug/L #	99
51) Chlorobenzene	9.446	112	10770	2.508	ug/L	97
52) Ethylbenzene	9.571	91	17034	2.277	ug/L	97
53) m,p-Xylene	9.694	106	6126	2.252	ug/L	94
54) o-Xylene	10.099	106	6366	2.324	ug/L	92
55) Styrene	10.115	104	9592	2.122	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.784	83	8246	2.669	ug/L	95
59) Bromoform	10.292	173	2934	2.496	ug/L #	97
60) 1,2,3-Trichloropropane	10.825	75	6384	2.735	ug/L	97
61) Isopropylbenzene	10.485	105	15326	2.342	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	12412	2.249	ug/L	93
63) 1,2,4-Trimethylbenzene	11.468	105	11724	2.138	ug/L	95
64) 1,3-Dichlorobenzene	11.748	146	6982	2.444	ug/L	93
65) 1,4-Dichlorobenzene	11.838	146	7661	2.670	ug/L	92
67) 1,2-Dichlorobenzene	12.214	146	8015	2.698	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.999	75	1825	2.668	ug/L	89
69) 1,3,5-Trichlorobenzene	13.848	180	4363	2.180	ug/L	97
70) 1,2,4-trichlorobenzene	13.848	180	4363	2.375	ug/L	96
71) Naphthalene	14.089	128	14485	2.206	ug/L	98
72) 1,2,3-Trichlorobenzene	14.333	180	4260	2.239	ug/L	97

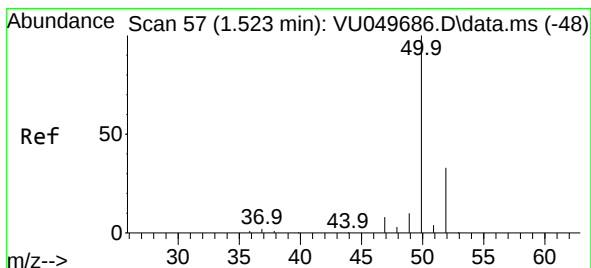
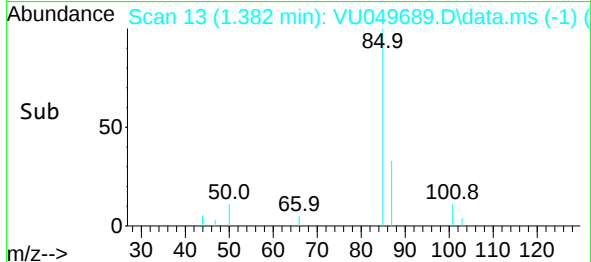
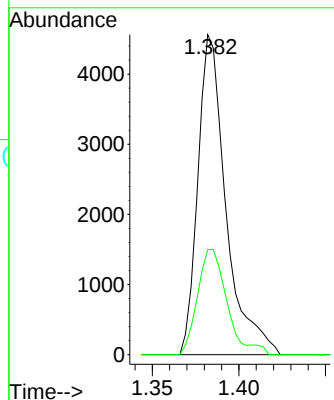
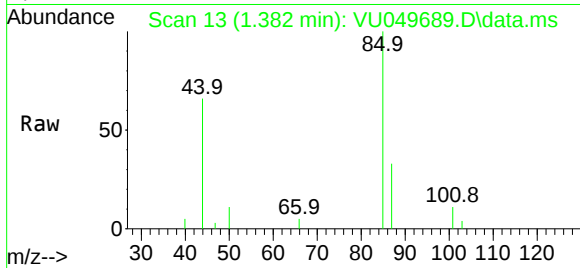
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#2
Dichlorodifluoromethane
Concen: 2.179 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

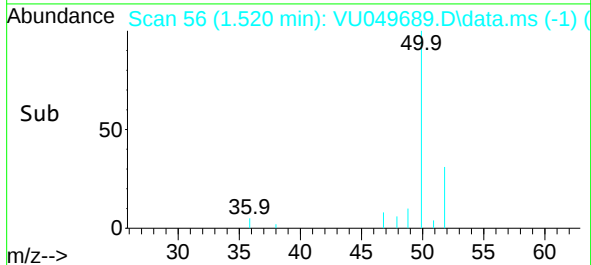
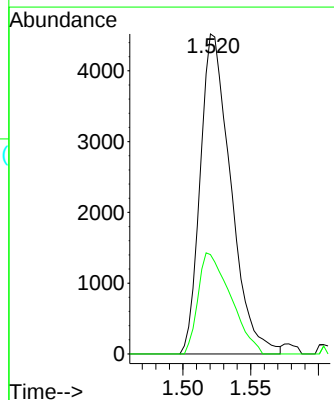
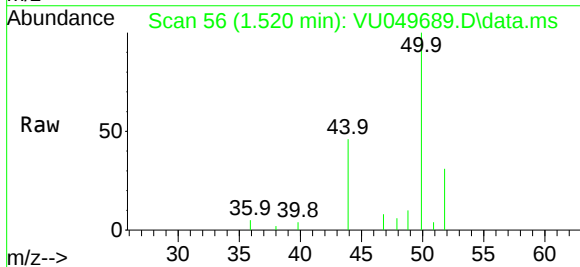
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

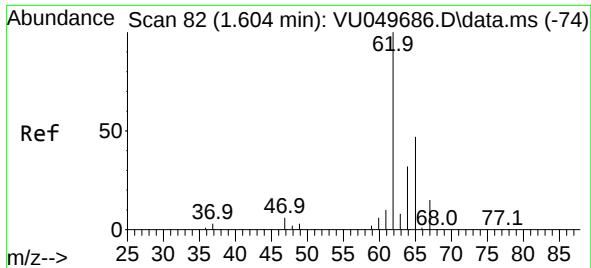
Tgt Ion: 85 Resp: 5139
Ion Ratio Lower Upper
85 100
87 33.1 26.3 39.5



#3
Chloromethane
Concen: 2.736 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion: 50 Resp: 7082
Ion Ratio Lower Upper
50 100
52 31.1 23.2 43.0

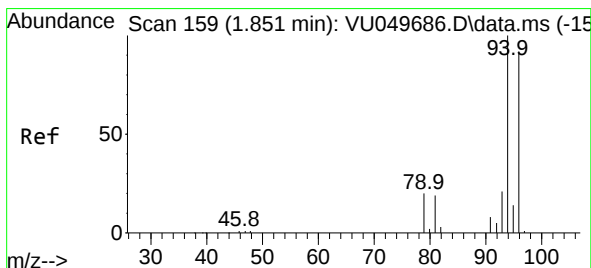
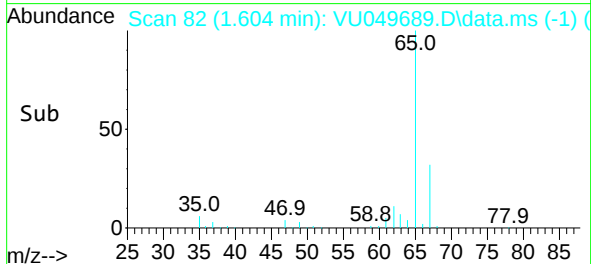
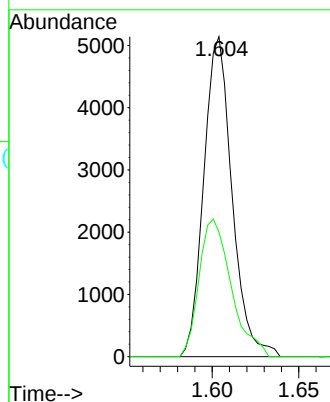
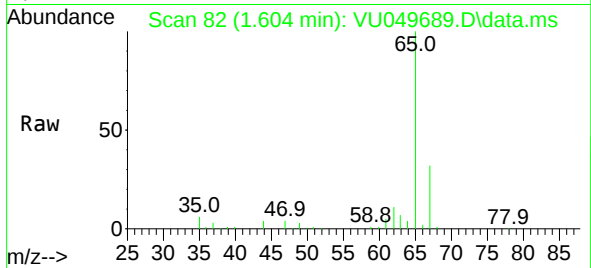




#5
 Vinyl chloride
 Concen: 2.493 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049689.D
 Acq: 12 Jul 2022 12:55

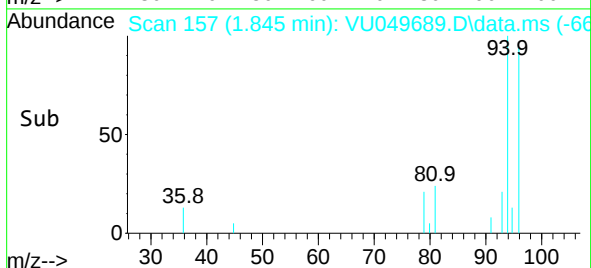
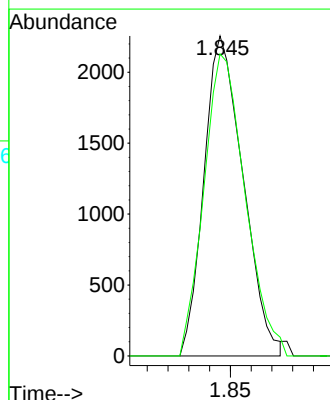
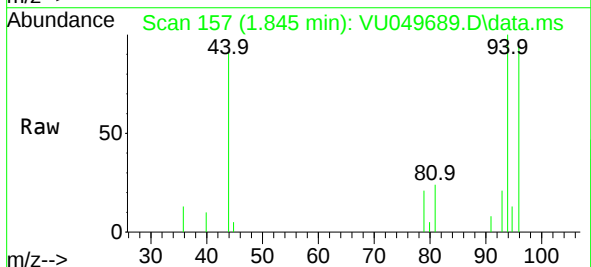
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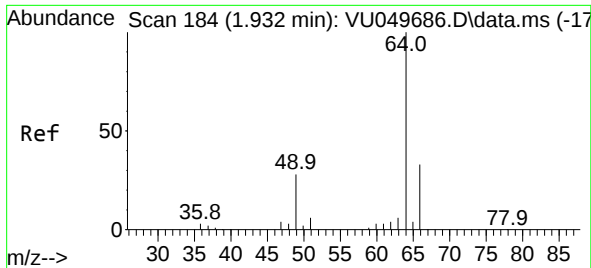
Tgt Ion: 62 Resp: 5832
 Ion Ratio Lower Upper
 62 100
 64 39.0 23.0 42.6



#6
 Bromomethane
 Concen: 2.727 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. -0.006 min
 Lab File: VU049689.D
 Acq: 12 Jul 2022 12:55

Tgt Ion: 94 Resp: 2948
 Ion Ratio Lower Upper
 94 100
 96 83.5 66.1 122.7

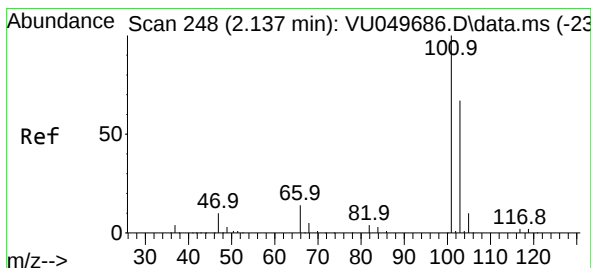
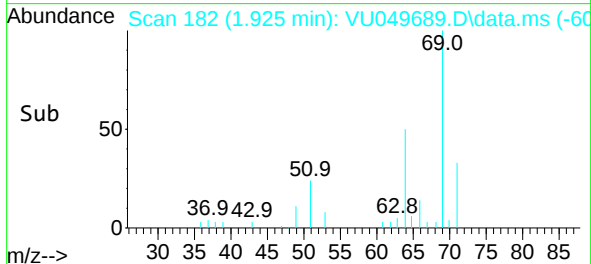
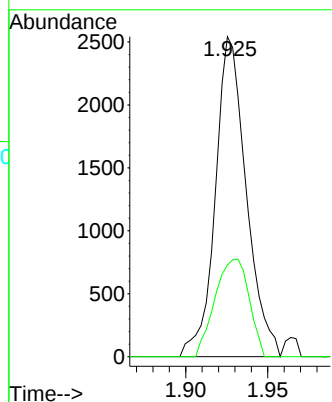
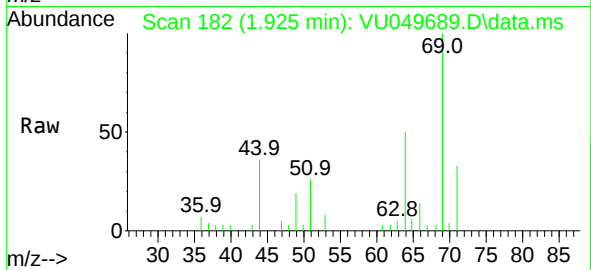




#8
Chloroethane
Concen: 2.570 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

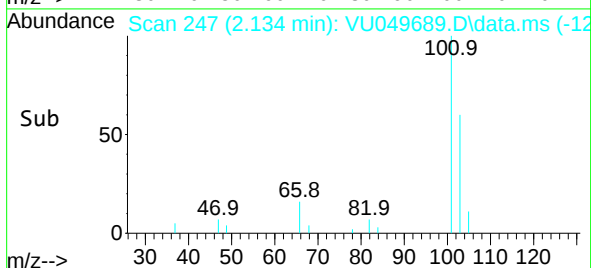
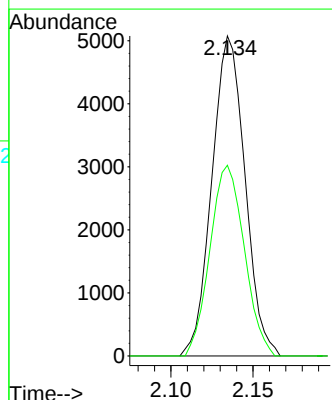
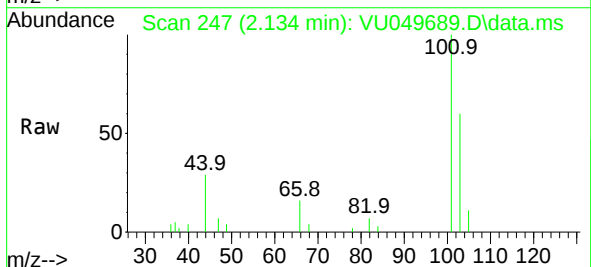
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

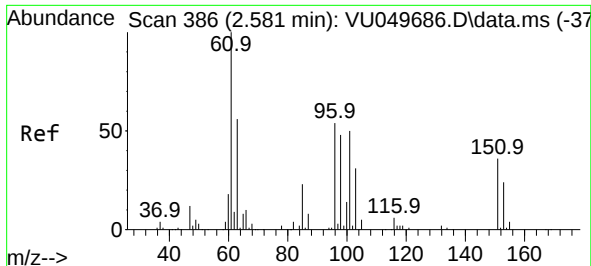
Tgt Ion: 64 Resp: 3330
Ion Ratio Lower Upper
64 100
66 25.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.462 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion: 101 Resp: 7113
Ion Ratio Lower Upper
101 100
103 61.7 52.2 78.4

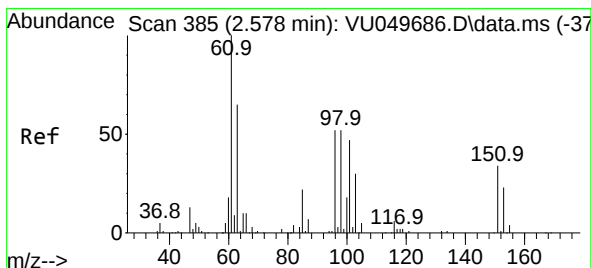
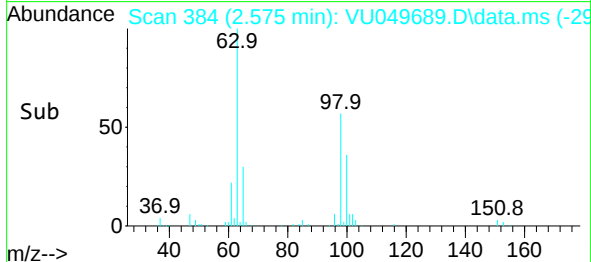
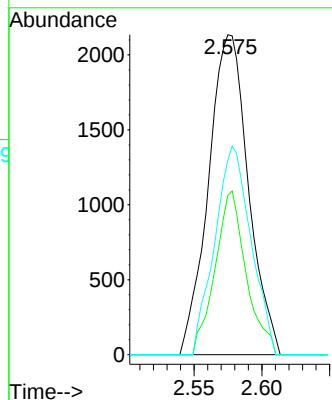
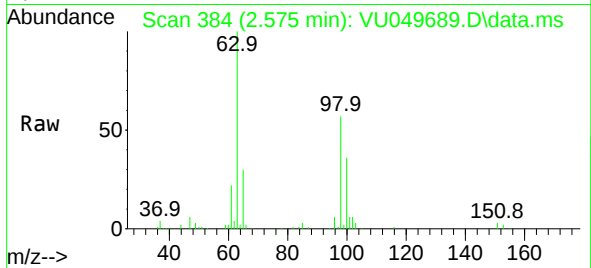




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.880 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.006 min
 Lab File: VU049689.D
 Acq: 12 Jul 2022 12:55

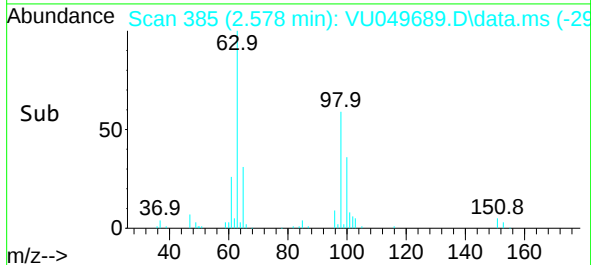
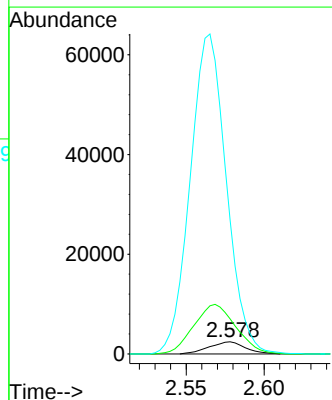
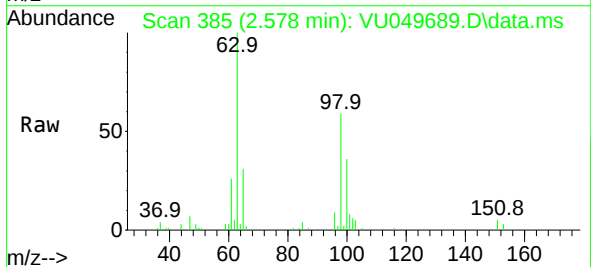
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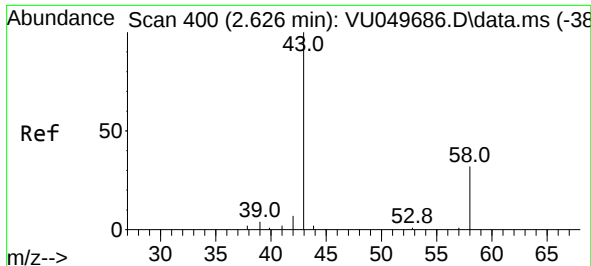
Tgt Ion:101 Resp: 4366
 Ion Ratio Lower Upper
 101 100
 85 39.9 37.3 55.9
 151 59.1 56.9 85.3



#12
 1,1-Dichloroethene
 Concen: 2.801 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049689.D
 Acq: 12 Jul 2022 12:55

Tgt Ion: 96 Resp: 3941
 Ion Ratio Lower Upper
 96 100
 61 287.6 129.6 240.6#
 63 1098.4 79.0 146.6#





#13

Acetone

Concen: 5.560 ug/L

RT: 2.630 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

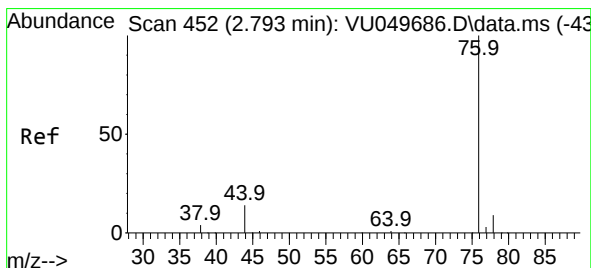
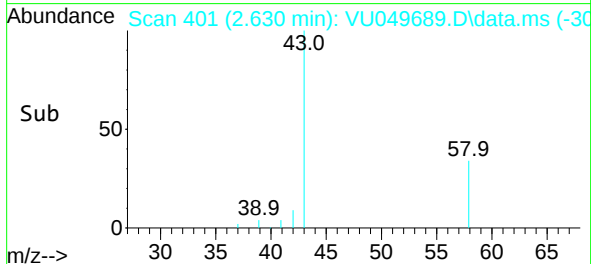
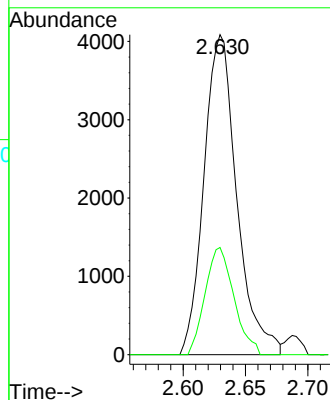
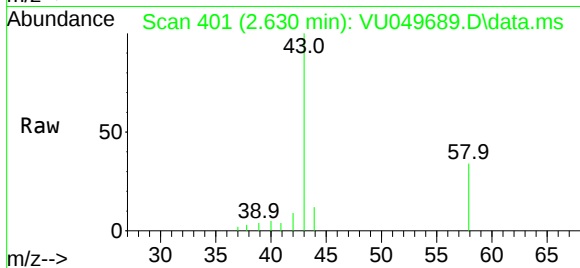
MDL-WATER-QT2-2022-03

Tgt Ion: 43 Resp: 7489

Ion Ratio Lower Upper

43 100

58 29.4 0.0 61.4



#14

Carbon disulfide

Concen: 2.353 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU049689.D

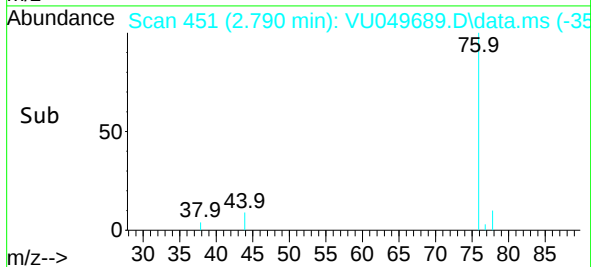
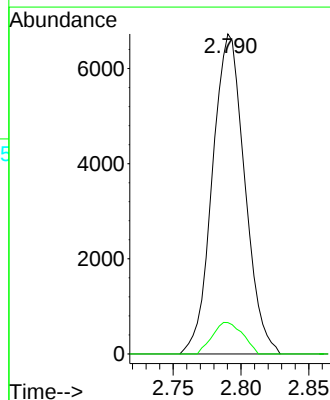
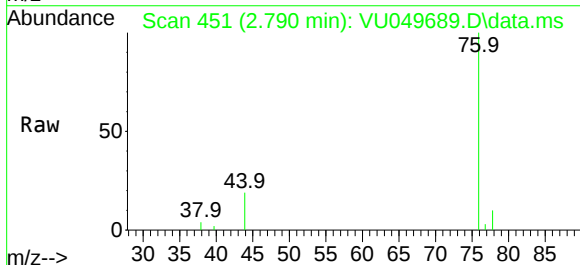
Acq: 12 Jul 2022 12:55

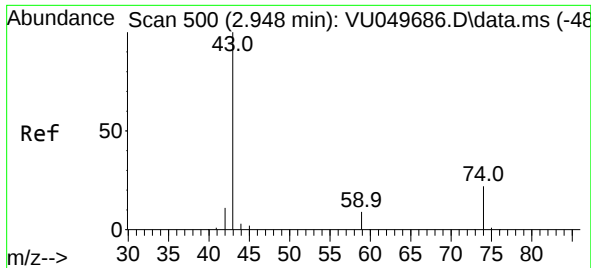
Tgt Ion: 76 Resp: 11164

Ion Ratio Lower Upper

76 100

78 9.8 7.6 11.4

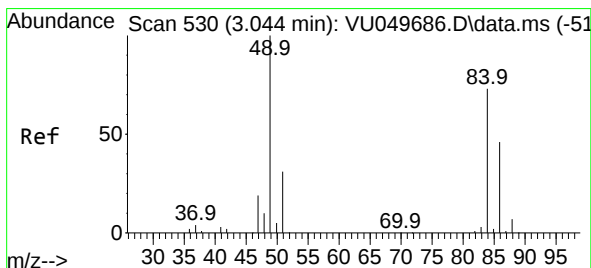
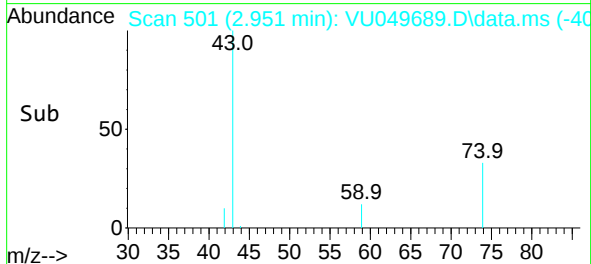
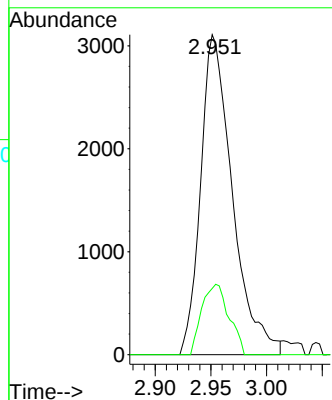
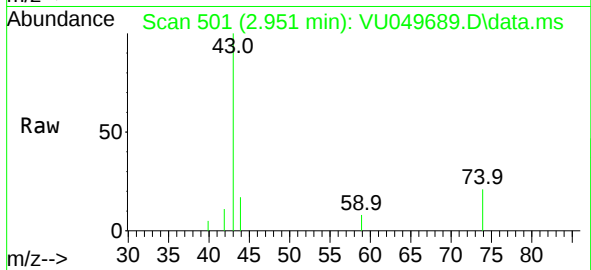




#15
Methyl Acetate
Concen: 2.818 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

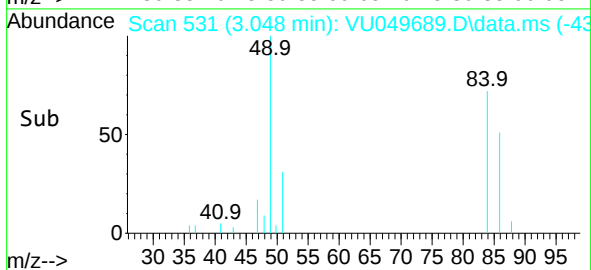
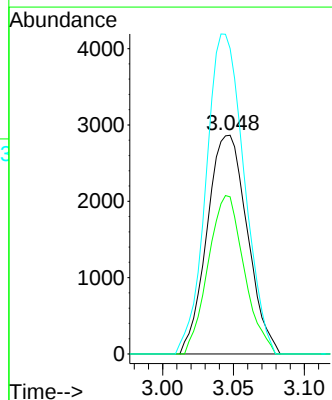
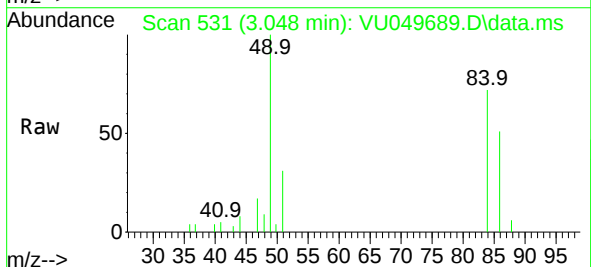
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

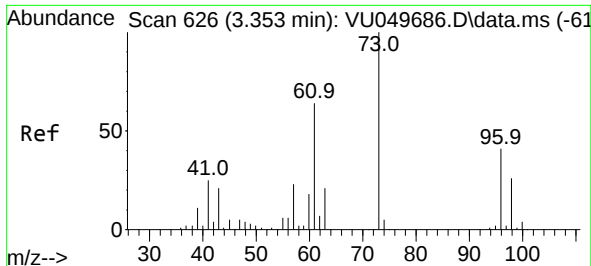
Tgt Ion: 43 Resp: 6167
Ion Ratio Lower Upper
43 100
74 18.8 17.4 26.0



#16
Methylene chloride
Concen: 3.195 ug/L
RT: 3.048 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion: 84 Resp: 5660
Ion Ratio Lower Upper
84 100
86 71.9 45.6 84.6
49 139.7 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 2.430 ug/L

RT: 3.347 min Scan# 61

Delta R.T. -0.006 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

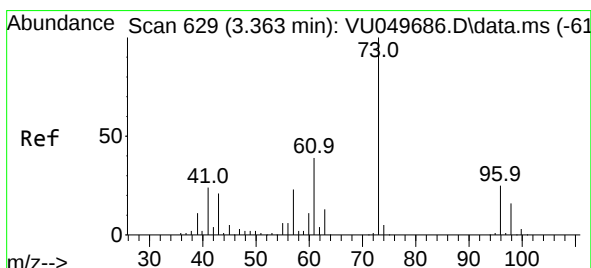
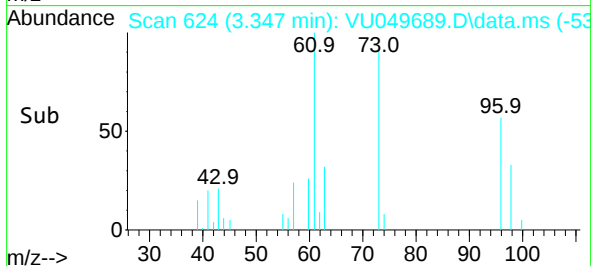
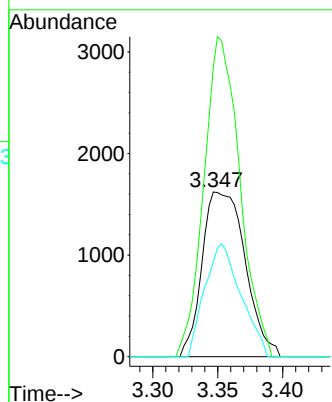
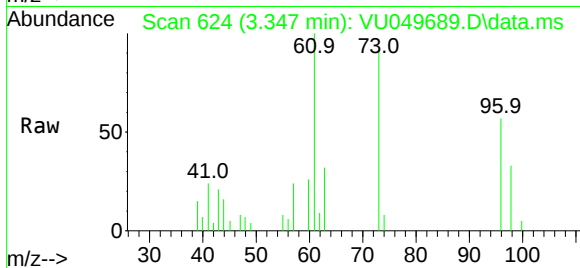
Tgt Ion: 96 Resp: 3740

Ion Ratio Lower Upper

96 100

61 175.9 107.6 199.8

98 57.6 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 2.525 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

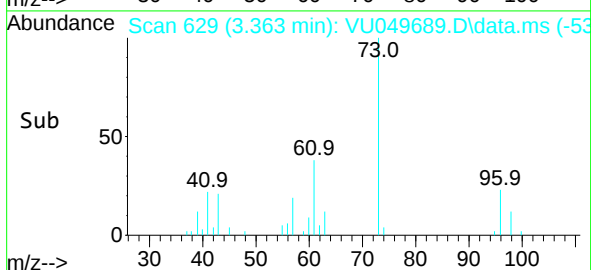
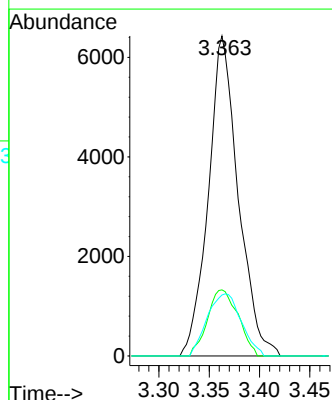
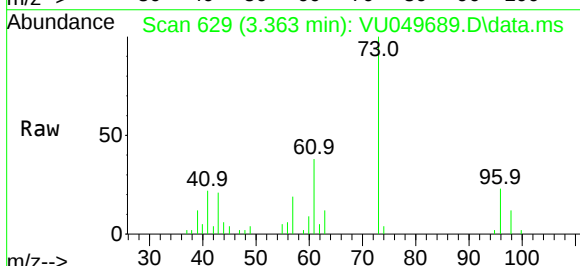
Tgt Ion: 73 Resp: 13309

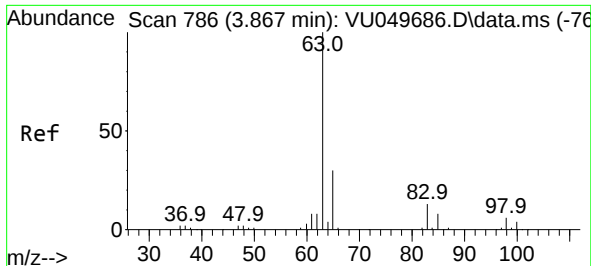
Ion Ratio Lower Upper

73 100

43 21.2 17.0 25.4

57 22.0 18.5 27.7





#19

1,1-Dichloroethane

Concen: 2.674 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

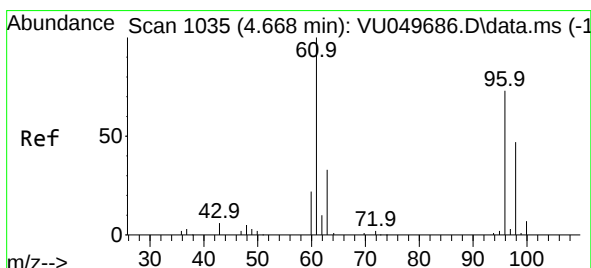
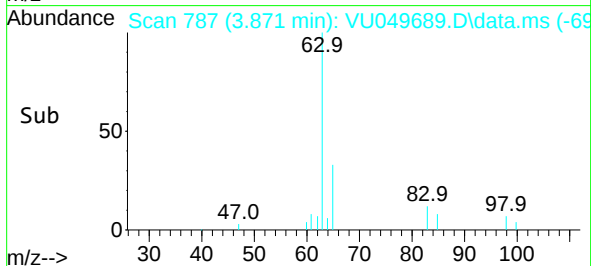
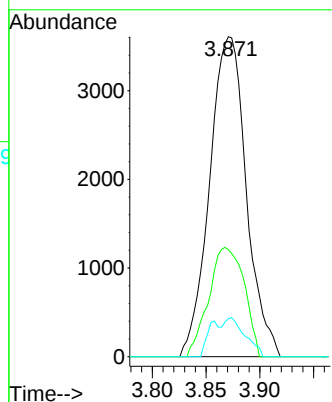
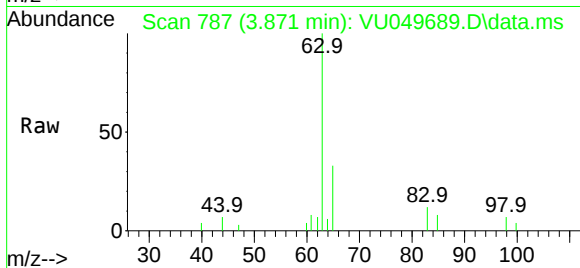
Tgt Ion: 63 Resp: 8568

Ion Ratio Lower Upper

63 100

65 33.5 22.6 42.0

83 11.9 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 2.822 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

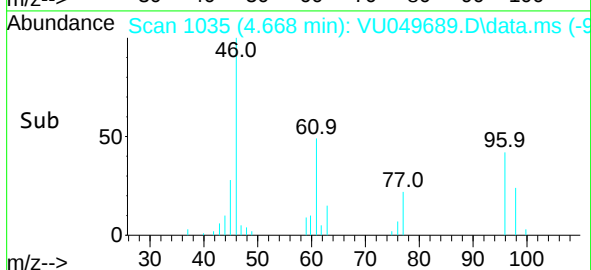
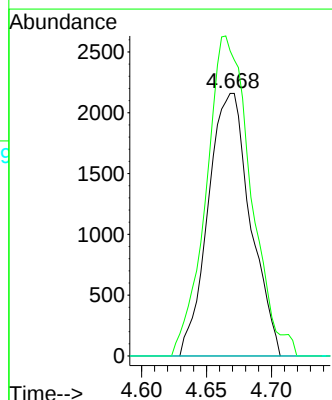
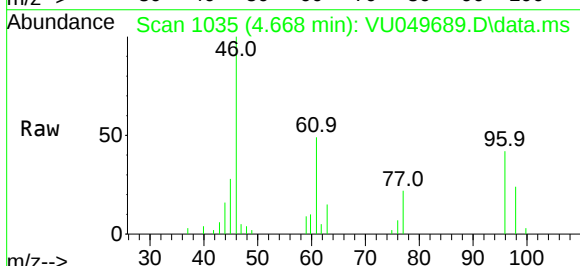
Tgt Ion: 96 Resp: 4881

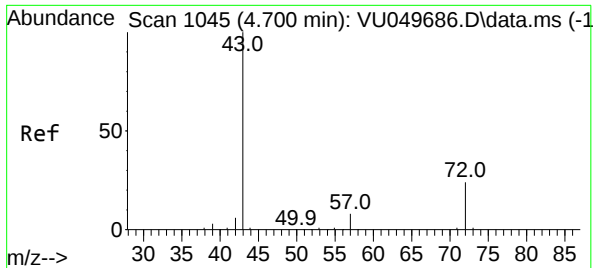
Ion Ratio Lower Upper

96 100

61 116.2 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.600 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.013 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

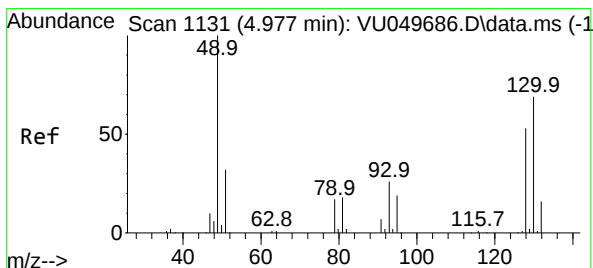
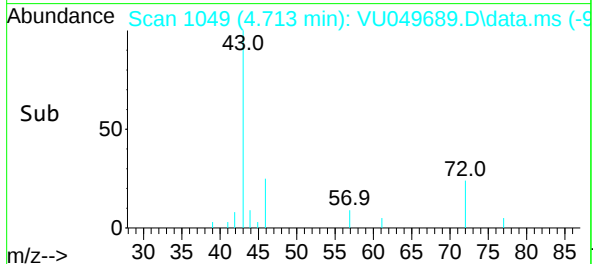
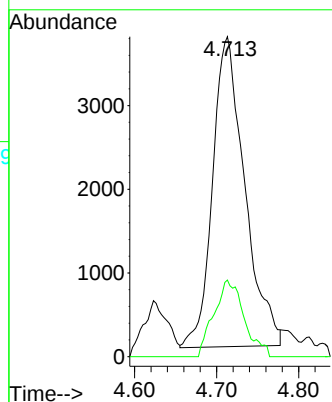
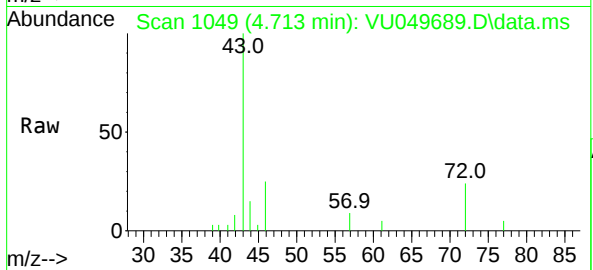
MDL-WATER-QT2-2022-03

Tgt Ion: 43 Resp: 10100

Ion Ratio Lower Upper

43 100

72 14.3 12.7 38.0



#23

Bromochloromethane

Concen: 2.607 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Tgt Ion: 128 Resp: 2250

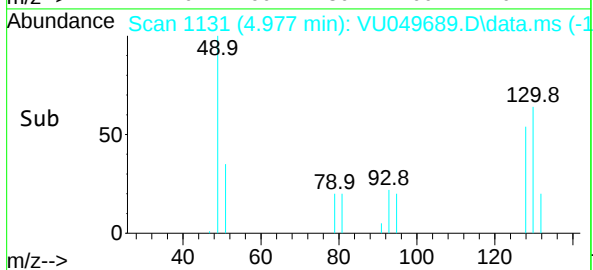
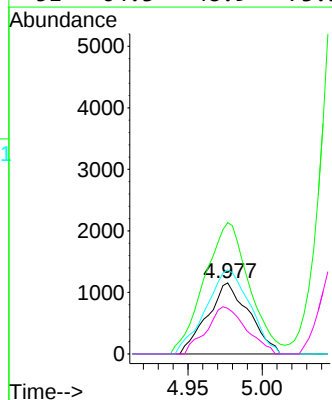
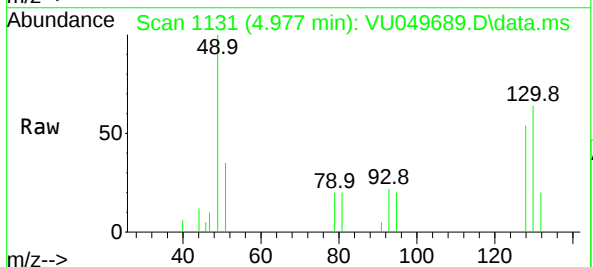
Ion Ratio Lower Upper

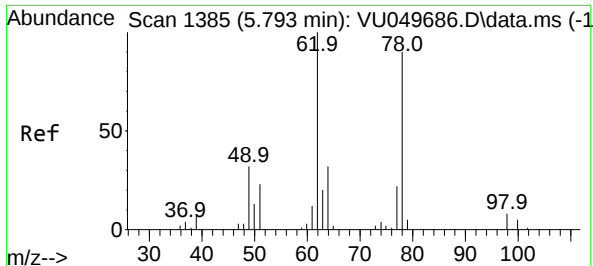
128 100

49 185.0 140.9 261.7

130 118.5 90.0 167.2

51 64.3 48.9 73.3

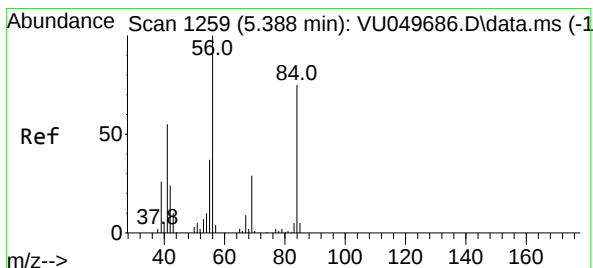
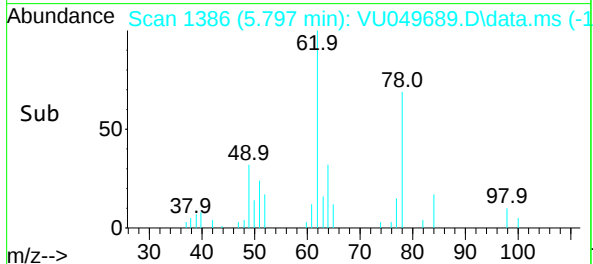
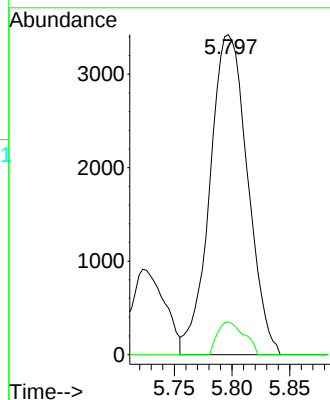
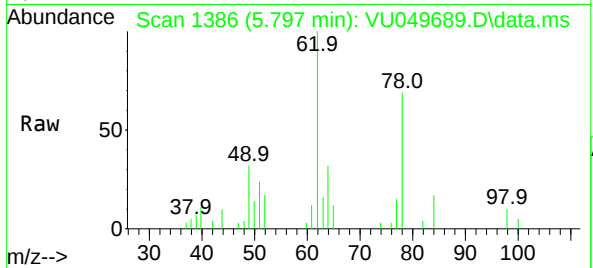




#27
1,2-Dichloroethane
Concen: 2.844 ug/L
RT: 5.797 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

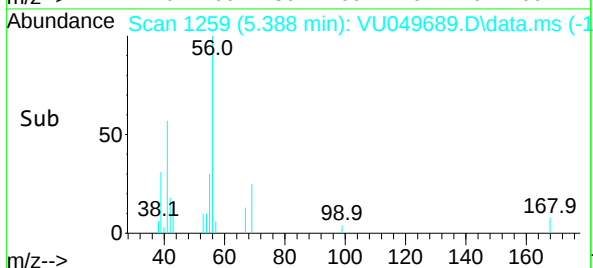
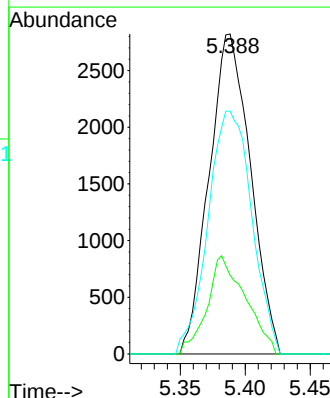
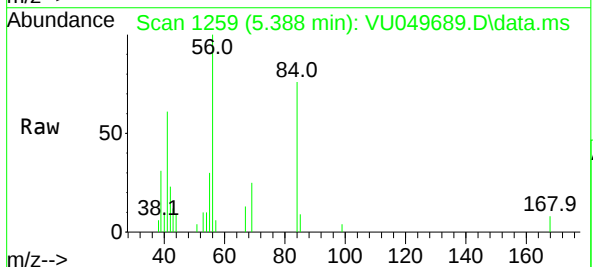
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-03

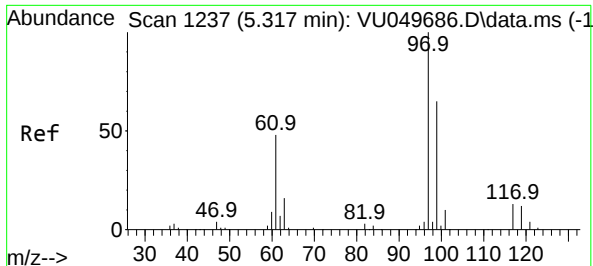
Tgt Ion: 62 Resp: 7781
Ion Ratio Lower Upper
62 100
98 10.2 6.7 10.1#



#29
Cyclohexane
Concen: 2.109 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion: 56 Resp: 6247
Ion Ratio Lower Upper
56 100
69 28.4 23.4 35.2
84 80.1 63.1 94.7





#30

1,1,1-Trichloroethane

Concen: 2.486 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

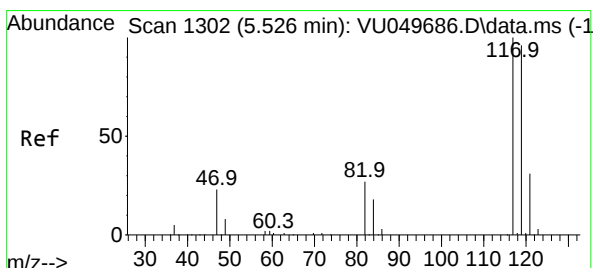
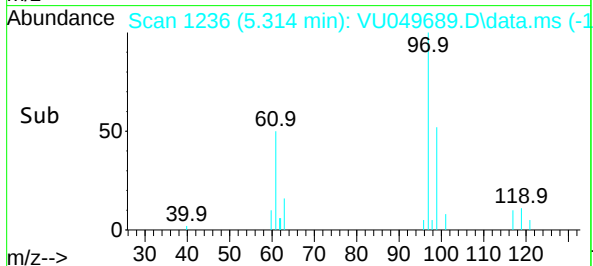
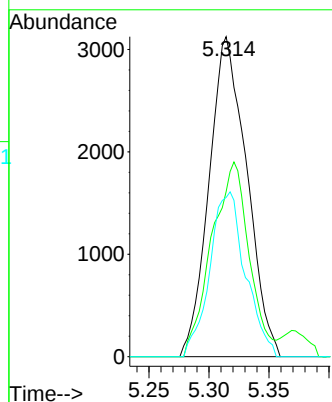
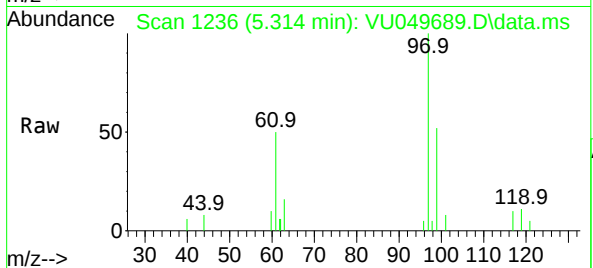
Tgt Ion: 97 Resp: 6831

Ion Ratio Lower Upper

97 100

99 60.7 51.3 76.9

61 48.7 38.2 57.2



#31

Carbon tetrachloride

Concen: 2.433 ug/L

RT: 5.530 min Scan# 1303

Delta R.T. 0.003 min

Lab File: VU049689.D

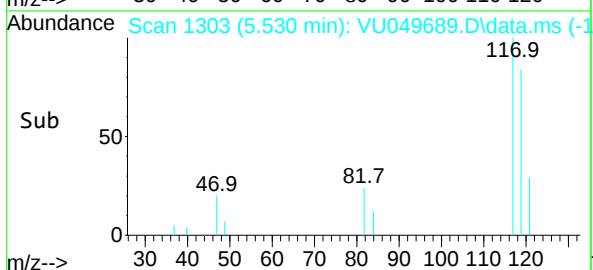
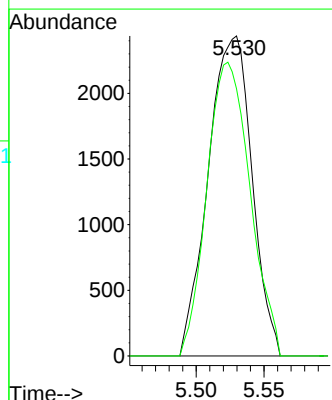
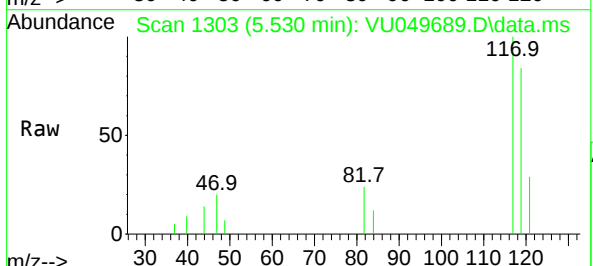
Acq: 12 Jul 2022 12:55

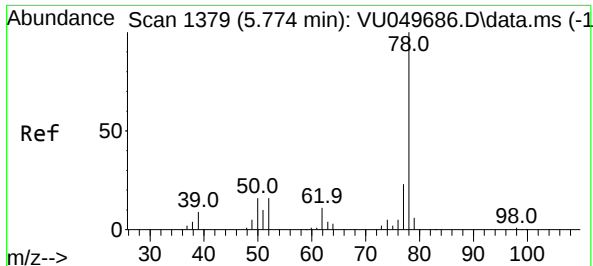
Tgt Ion: 117 Resp: 5467

Ion Ratio Lower Upper

117 100

119 90.8 75.8 113.8

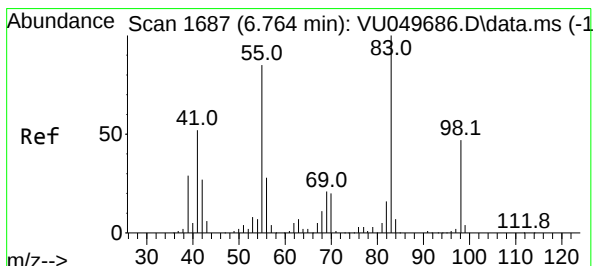
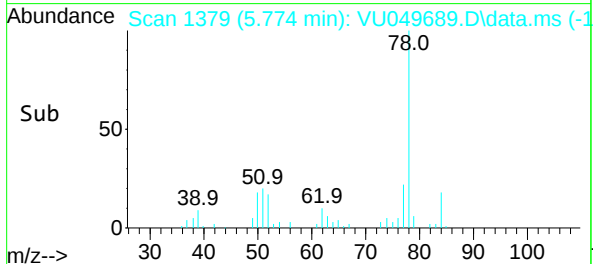
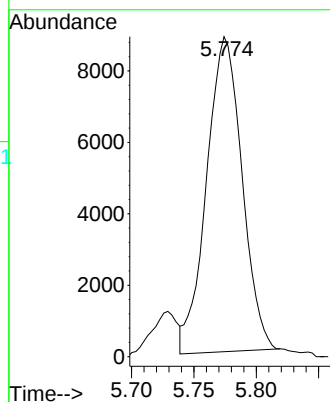
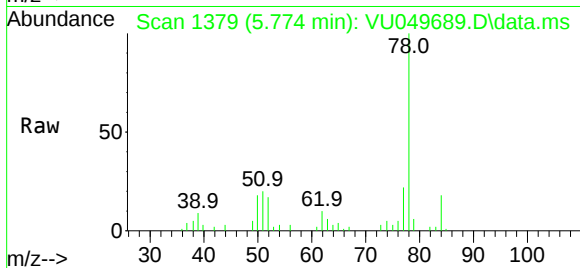




#33
Benzene
Concen: 2.444 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

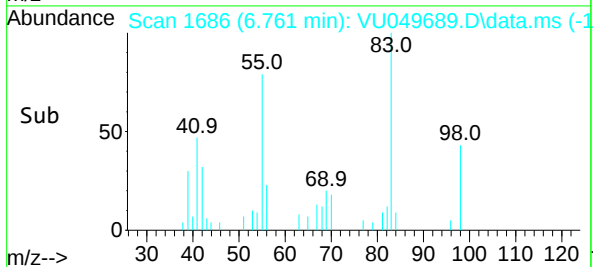
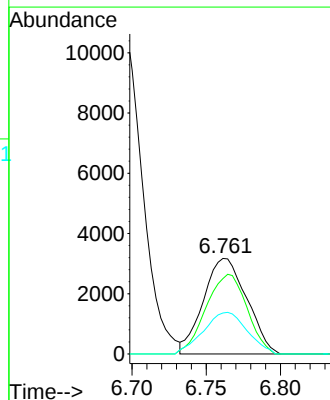
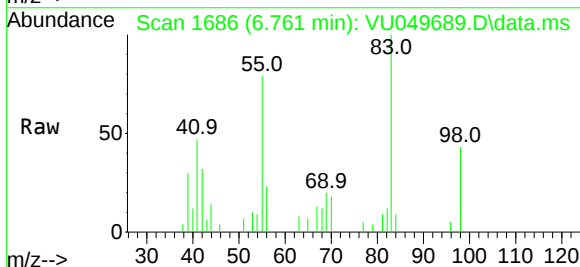
Tgt Ion: 78 Resp: 17439

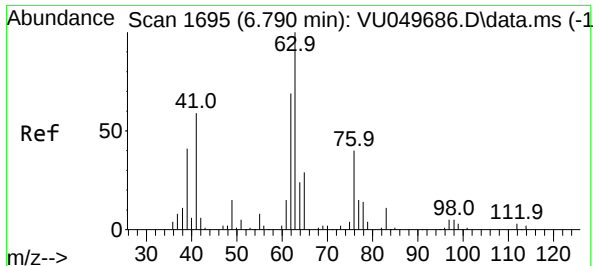


#35
Methylcyclohexane
Concen: 2.376 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion: 83 Resp: 6439

Ion	Ratio	Lower	Upper
83	100		
55	78.6	66.0	99.0
98	44.0	34.6	51.8





#37

1,2-Dichloropropane

Concen: 2.586 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

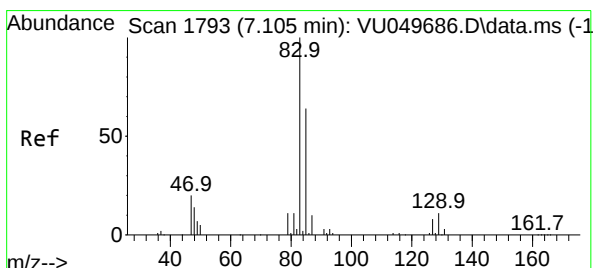
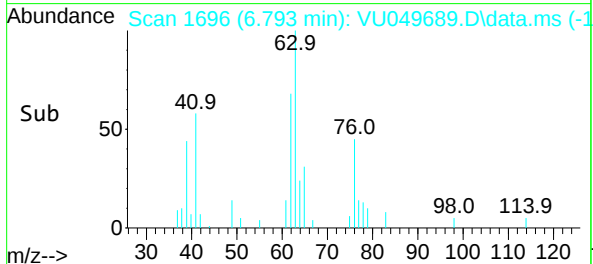
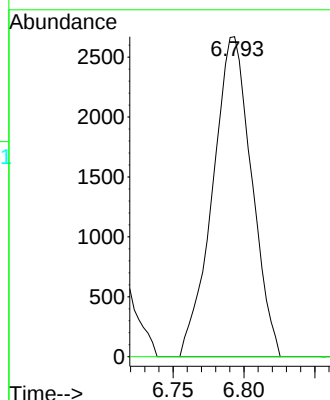
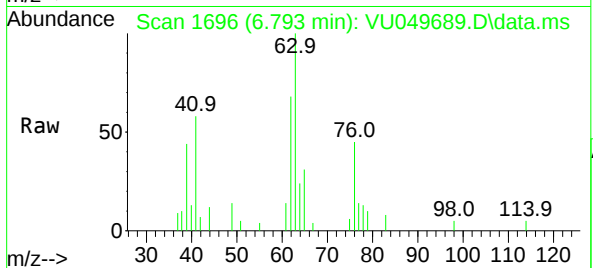
MDL-WATER-QT2-2022-03

Tgt Ion: 63 Resp: 5113

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#38

Bromodichloromethane

Concen: 2.504 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

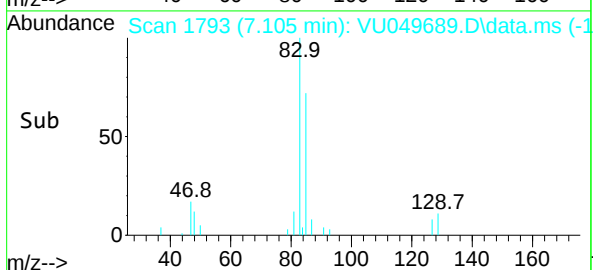
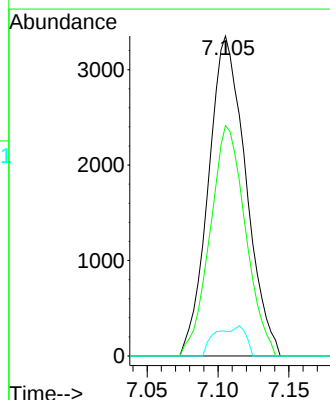
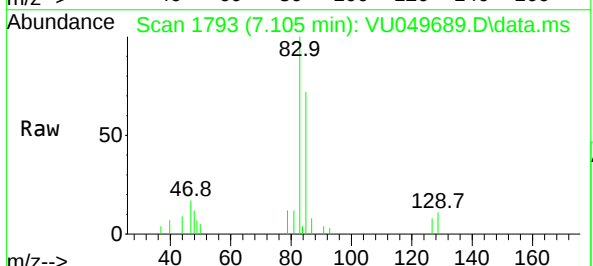
Tgt Ion: 83 Resp: 6140

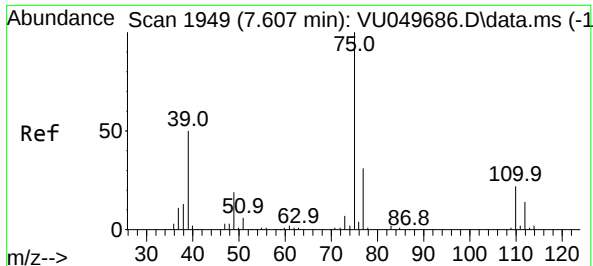
Ion Ratio Lower Upper

83 100

85 72.0 45.4 84.2

127 7.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 2.718 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

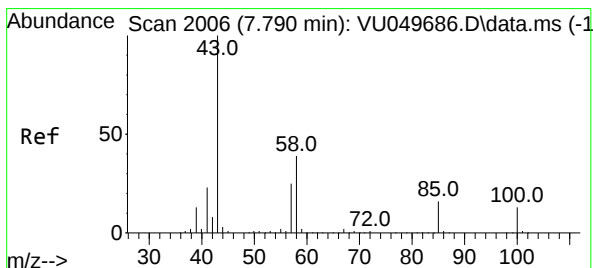
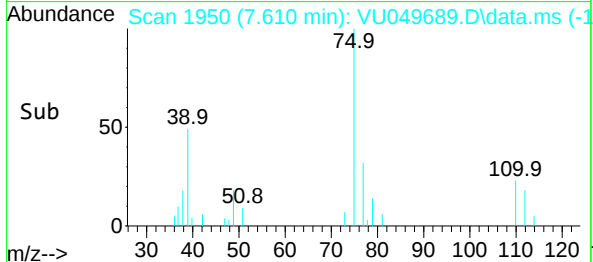
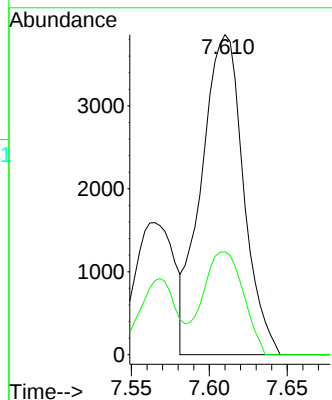
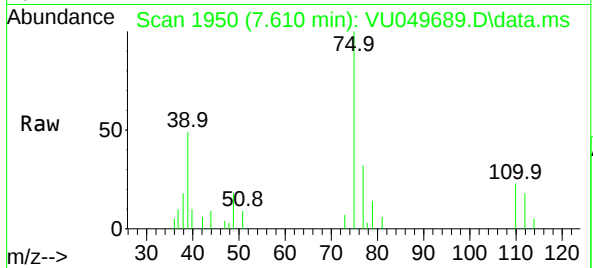
MDL-WATER-QT2-2022-03

Tgt Ion: 75 Resp: 7249

Ion Ratio Lower Upper

75 100

77 34.9 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 5.110 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

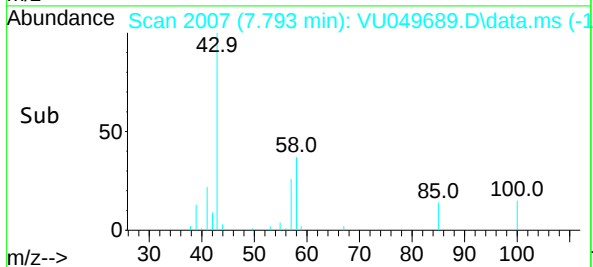
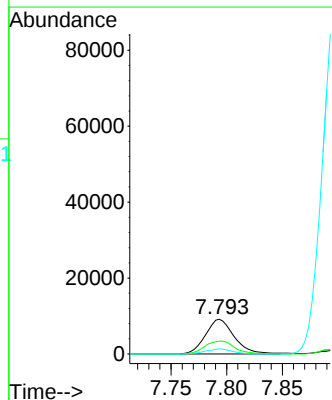
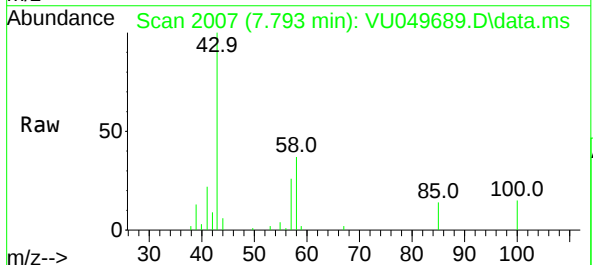
Tgt Ion: 43 Resp: 16359

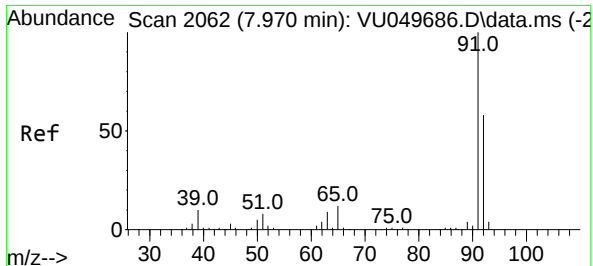
Ion Ratio Lower Upper

43 100

58 38.4 31.4 47.0

100 13.4 10.3 15.5





#42

Toluene

Concen: 2.475 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

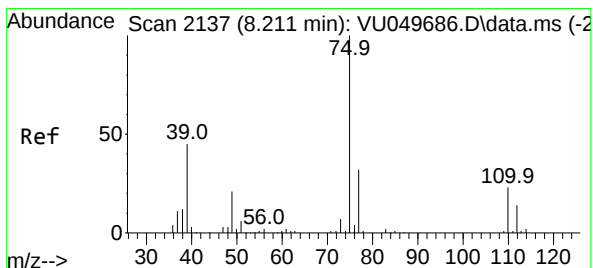
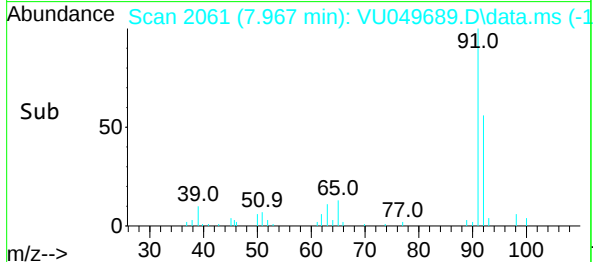
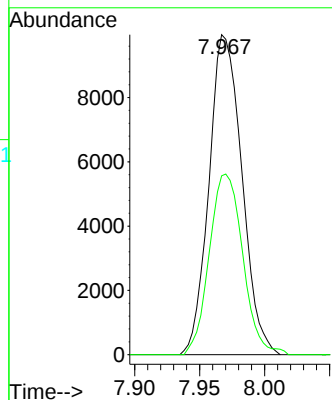
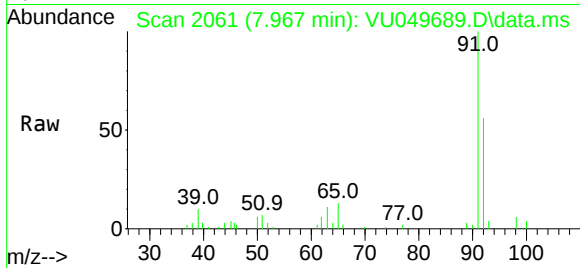
MDL-WATER-QT2-2022-03

Tgt Ion: 91 Resp: 17547

Ion Ratio Lower Upper

91 100

92 55.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 2.460 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049689.D

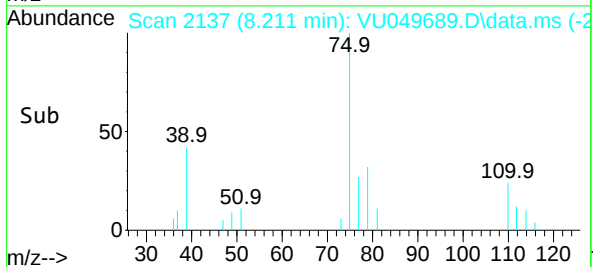
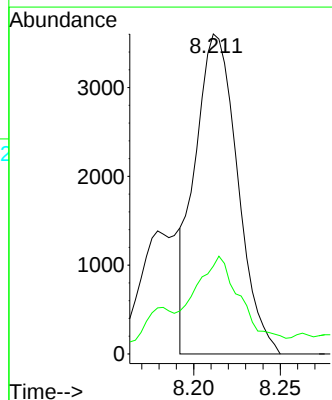
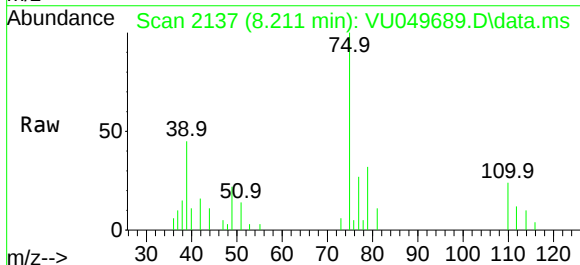
Acq: 12 Jul 2022 12:55

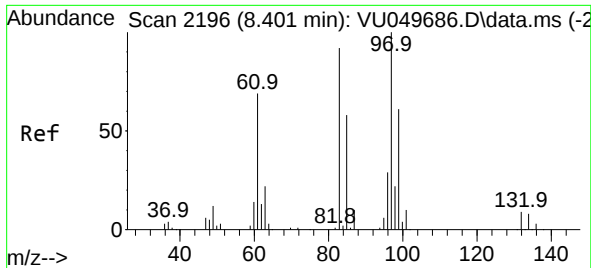
Tgt Ion: 75 Resp: 6160

Ion Ratio Lower Upper

75 100

77 26.2 22.5 41.9

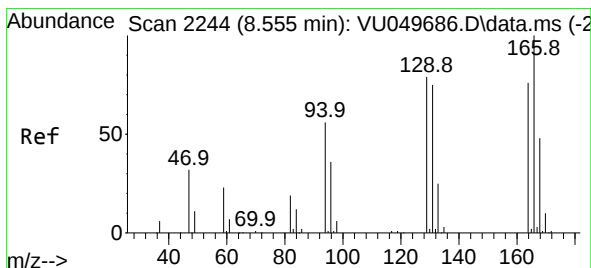
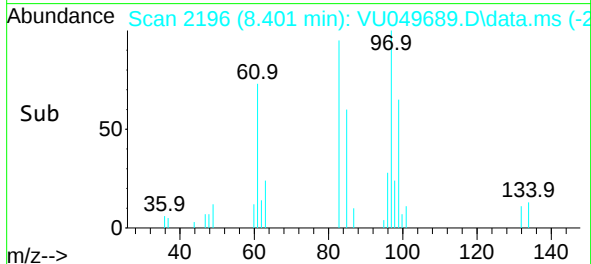
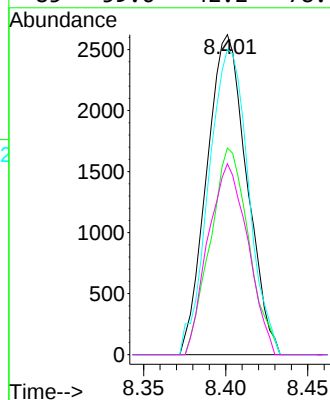
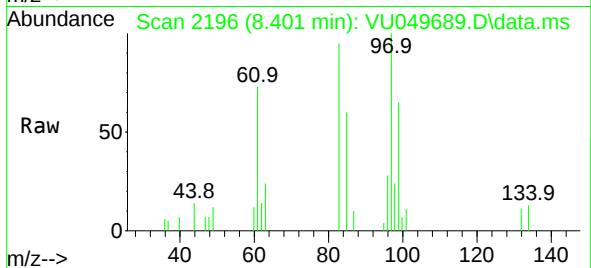




#45
1,1,2-Trichloroethane
Concen: 2.579 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

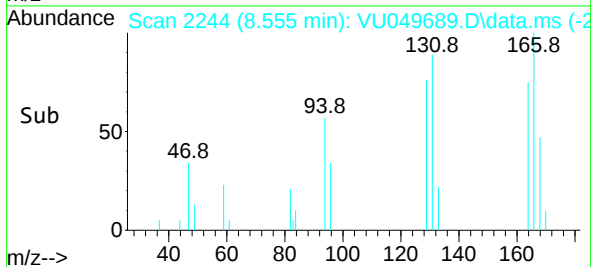
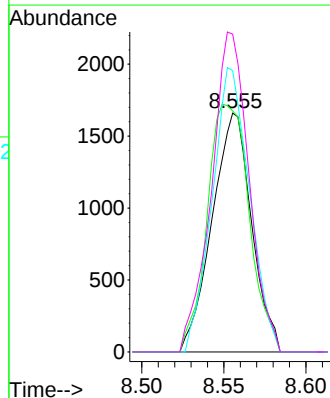
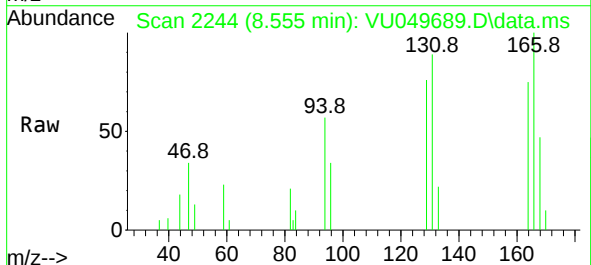
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-03

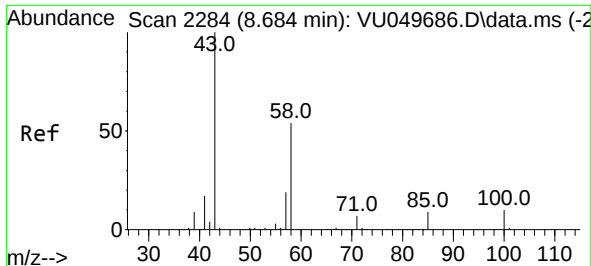
Tgt Ion: 97	Resp: 4451
Ion Ratio	Lower Upper
97 100	
99 64.6	44.3 82.3
83 95.5	64.0 118.8
85 59.6	42.2 78.4



#46
Tetrachloroethene
Concen: 2.316 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:164	Resp: 2770		
Ion	Ratio	Lower	Upper
164	100		
129	100.9	72.0	133.8
131	117.8	69.0	128.1
166	133.1	91.1	169.3

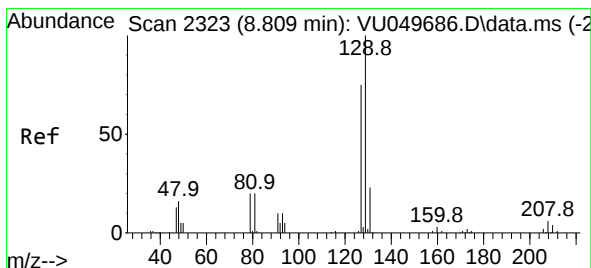
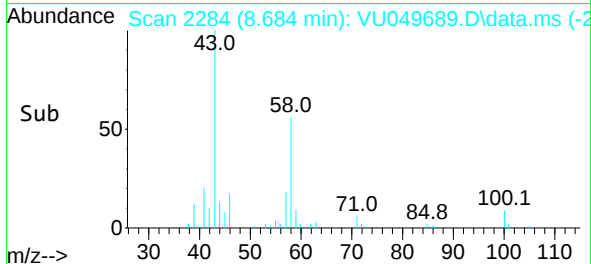
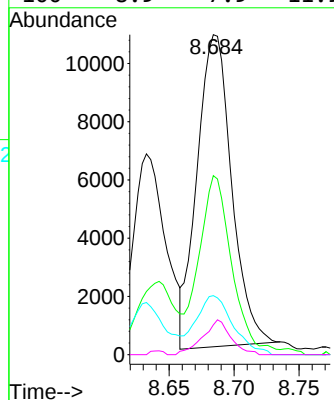
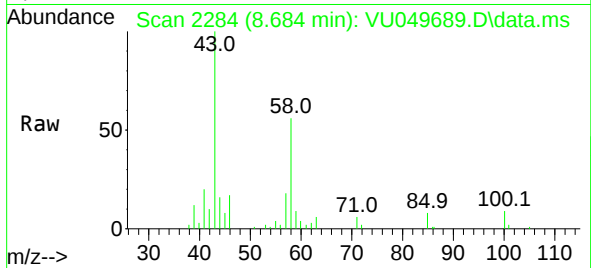




#48
2-Hexanone
Concen: 7.760 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

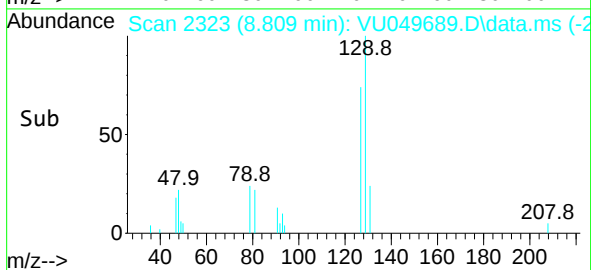
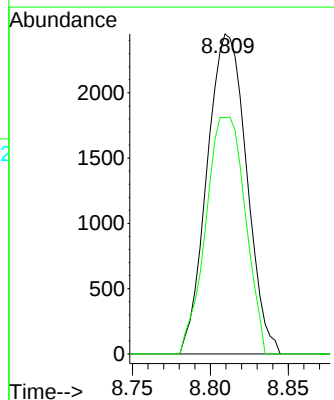
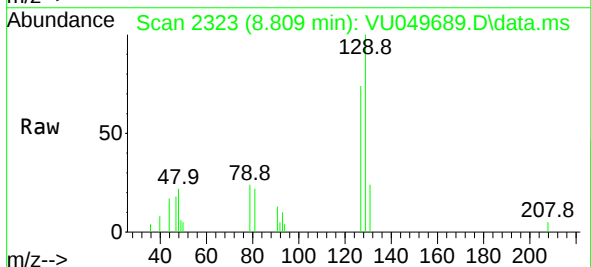
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

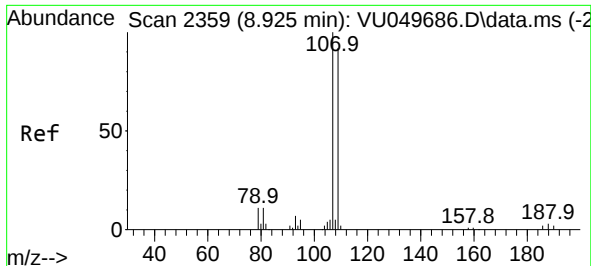
Tgt Ion: 43	Resp: 19852
Ion Ratio	Lower Upper
43 100	
58 49.1	42.6 64.0
57 20.5	15.0 22.6
100 8.9	7.9 11.9



#49
Dibromochloromethane
Concen: 2.494 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:129	Resp:	4330	
Ion	Ratio	Lower	Upper
129	100		
127	73.8	56.9	105.7





#50

1,2-Dibromoethane

Concen: 2.479 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

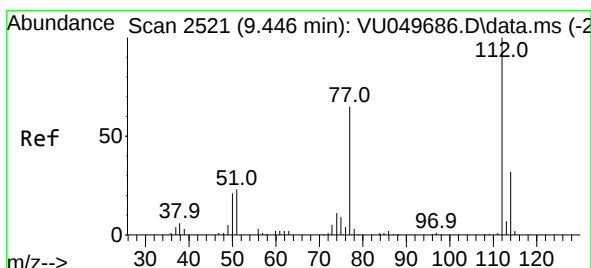
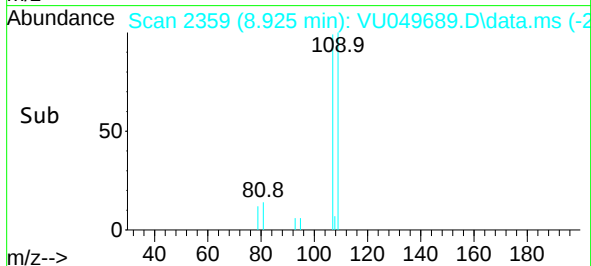
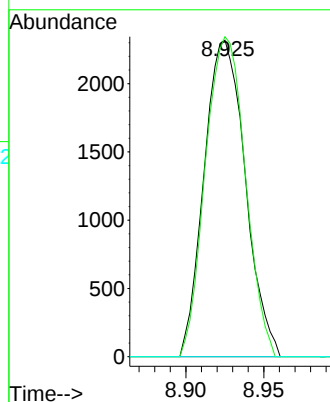
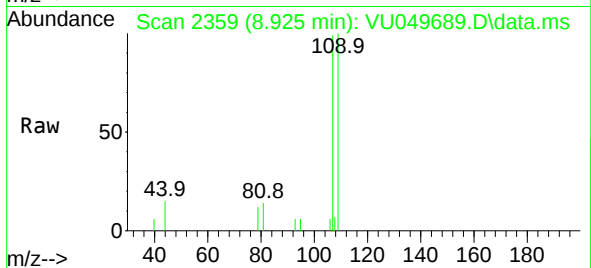
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion:	107	Resp:	4250
Ion	Ratio	Lower	Upper
107	100		
109	94.4	65.7	121.9
188	0.0	2.7	4.1#



#51

Chlorobenzene

Concen: 2.508 ug/L

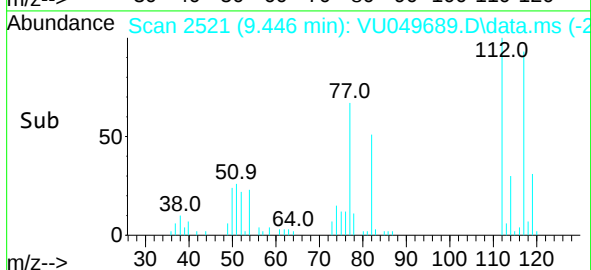
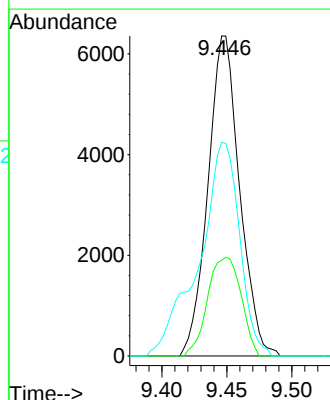
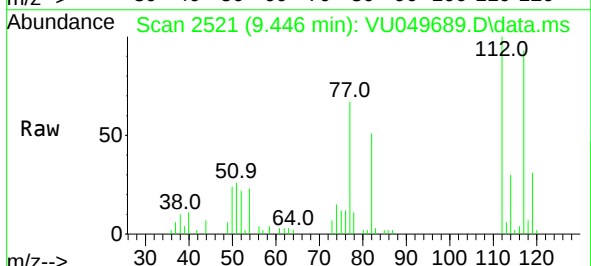
RT: 9.446 min Scan# 2521

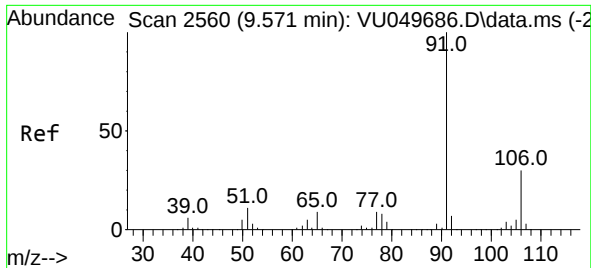
Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Tgt Ion:	112	Resp:	10770
Ion	Ratio	Lower	Upper
112	100		
114	29.9	22.1	41.1
77	66.8	51.2	76.8

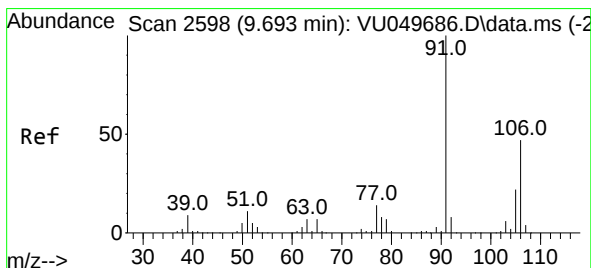
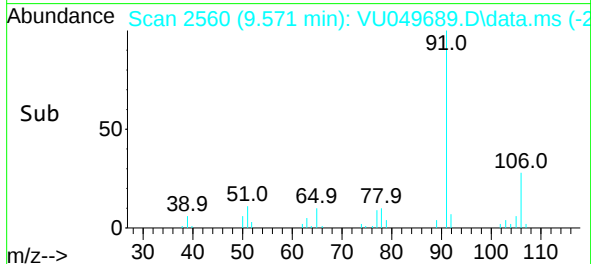
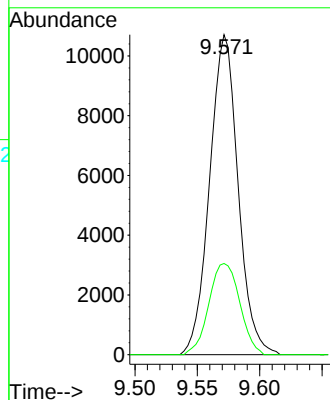
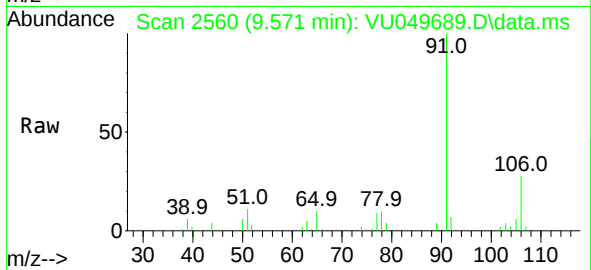




#52
Ethylbenzene
Concen: 2.277 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

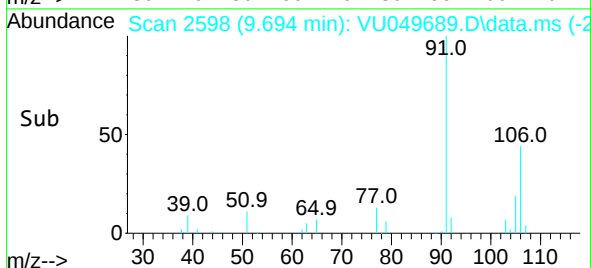
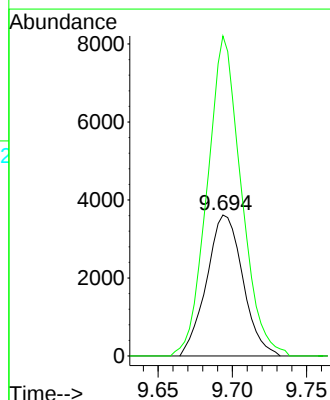
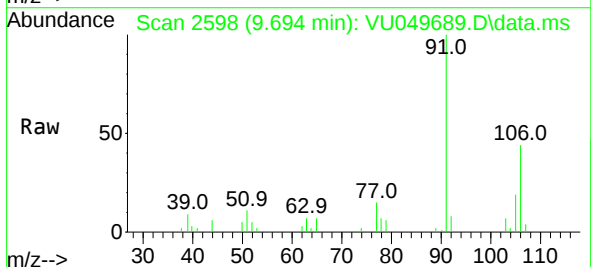
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

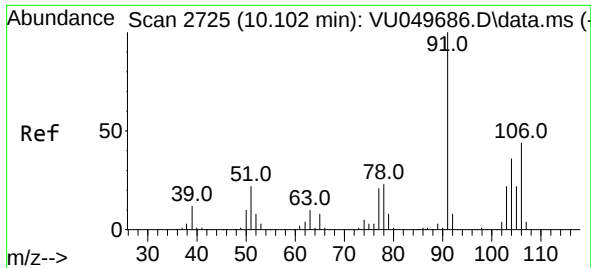
Tgt Ion: 91 Resp: 17034
Ion Ratio Lower Upper
91 100
106 28.5 21.0 39.0



#53
m,p-Xylene
Concen: 2.252 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion: 106 Resp: 6126
Ion Ratio Lower Upper
106 100
91 227.0 151.7 281.7

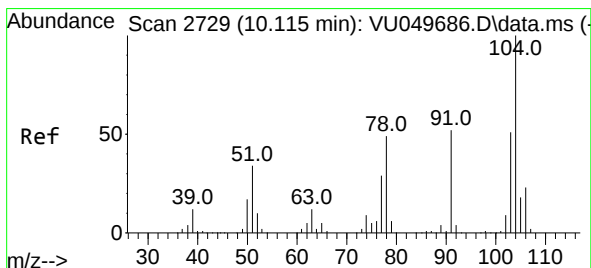
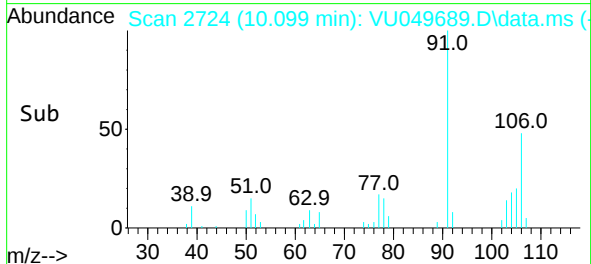
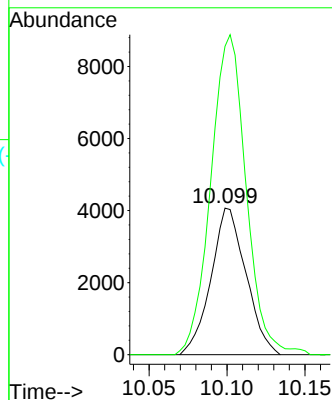
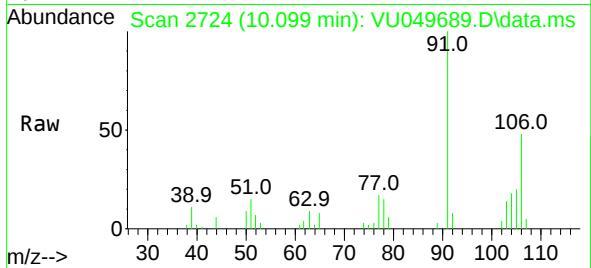




#54
o-Xylene
Concen: 2.324 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

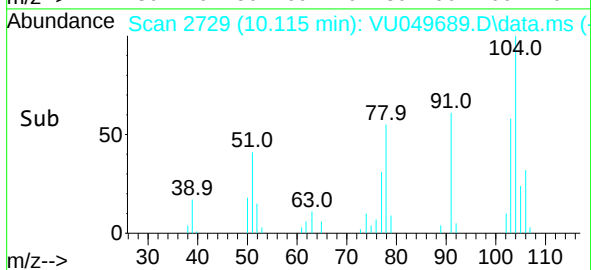
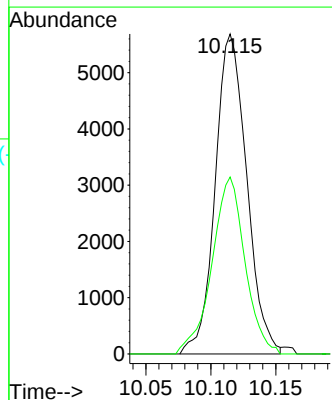
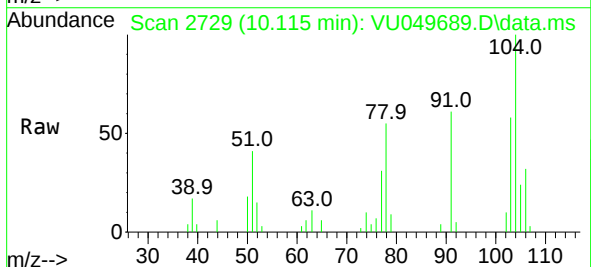
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

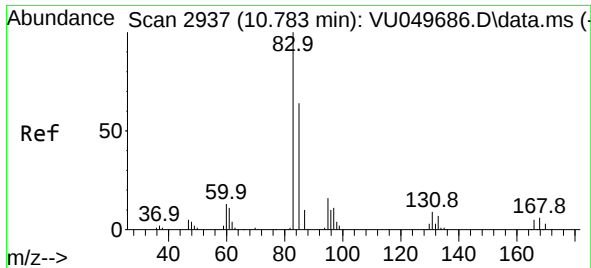
Tgt Ion:106 Resp: 6366
Ion Ratio Lower Upper
106 100
91 210.4 156.9 291.5



#55
Styrene
Concen: 2.122 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:104 Resp: 9592
Ion Ratio Lower Upper
104 100
78 55.3 36.1 67.1

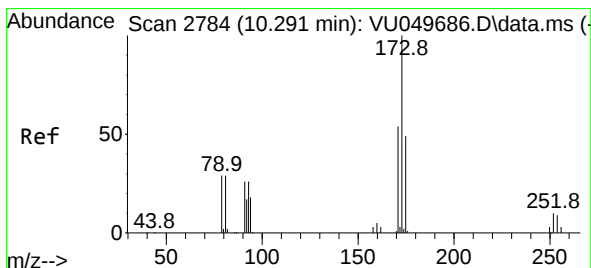
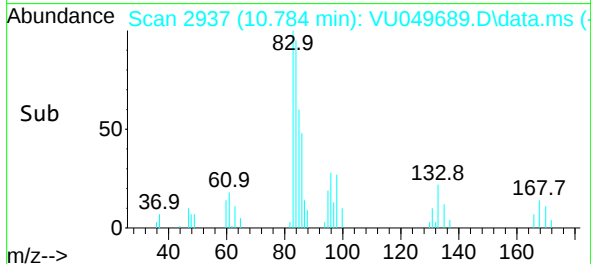
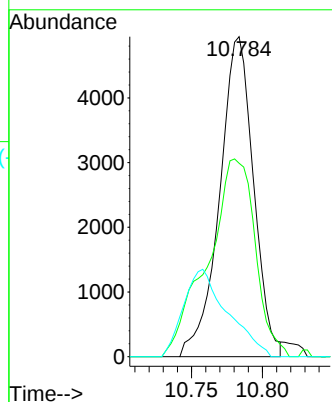
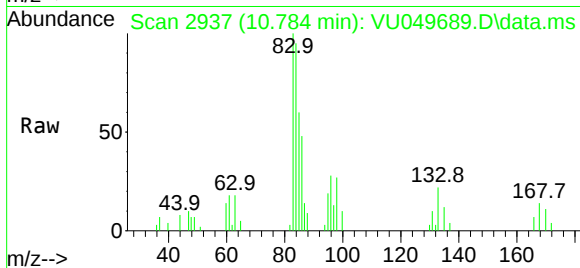




#57
1,1,2,2-Tetrachloroethane
Concen: 2.669 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

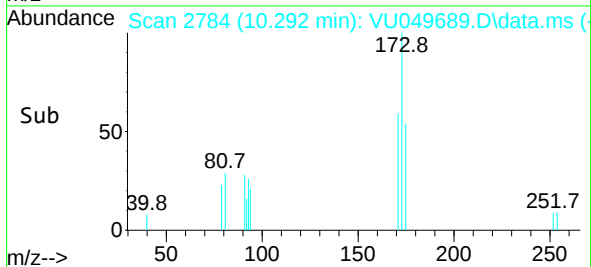
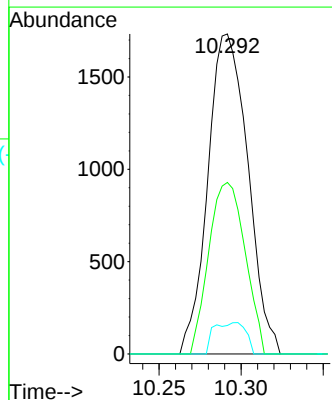
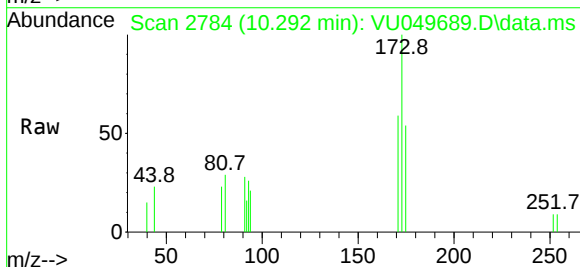
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-03

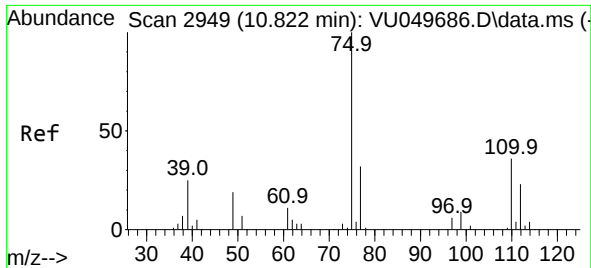
Tgt Ion:	83	Resp:	8246
Ion	Ratio	Lower	Upper
83	100		
85	60.4	45.0	83.6
131	10.3	7.0	10.6



#59
Bromoform
Concen: 2.496 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:	173	Resp:	2934
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	58.0
254	3.0	7.4	11.0

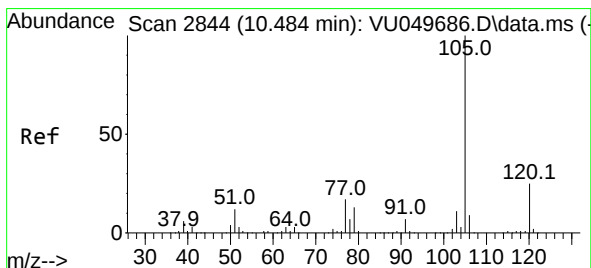
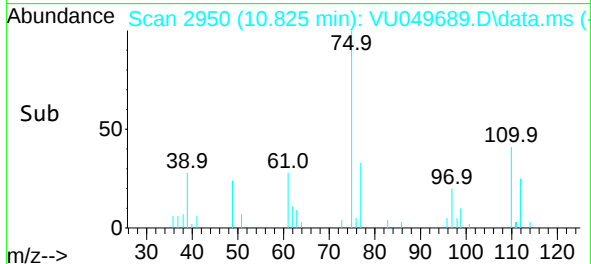
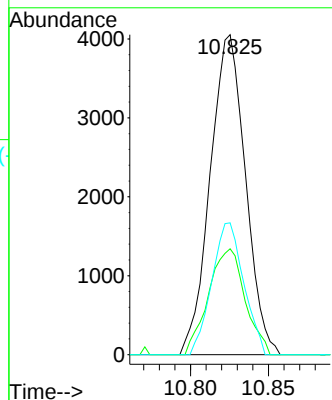
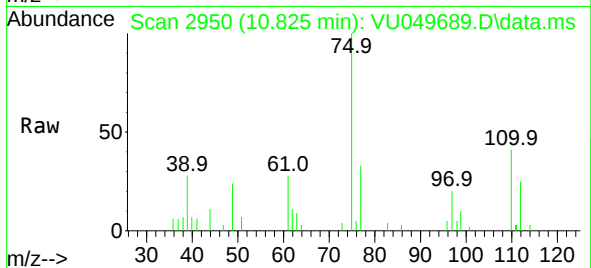




#60
1,2,3-Trichloropropane
Concen: 2.735 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

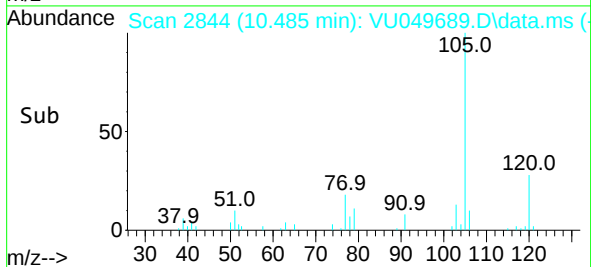
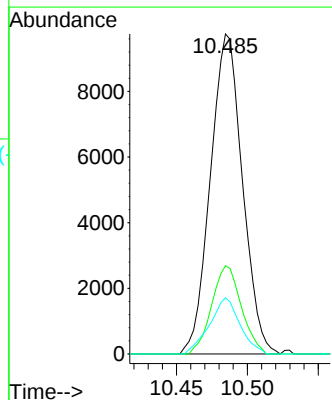
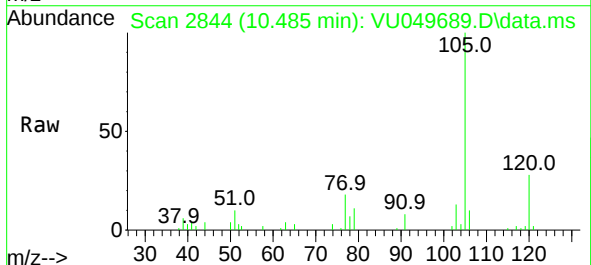
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

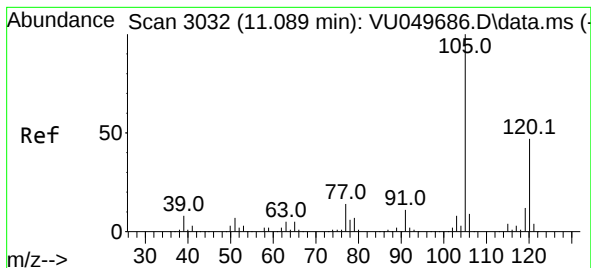
Tgt Ion: 75	Resp:	6384
Ion Ratio	Lower	Upper
75	100	
77	34.3	25.5 38.3
110	37.2	28.9 43.3



#61
Isopropylbenzene
Concen: 2.342 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion: 105	Resp:	15326
Ion Ratio	Lower	Upper
105	100	
120	25.4	19.9 29.9
77	16.7	13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 2.249 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

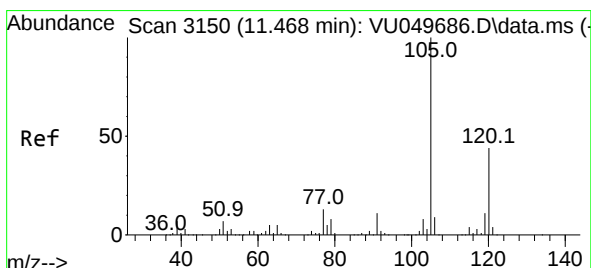
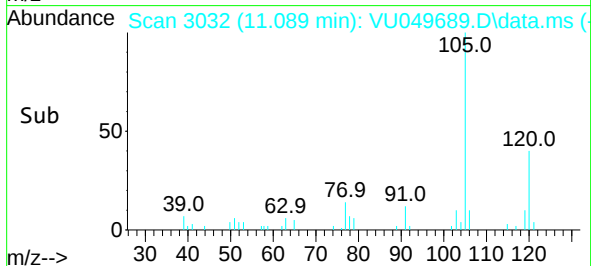
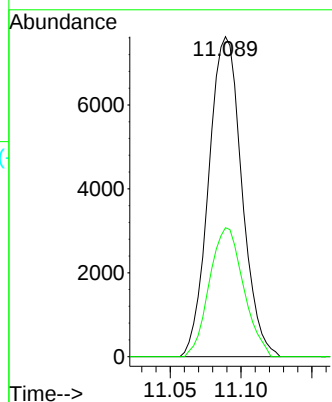
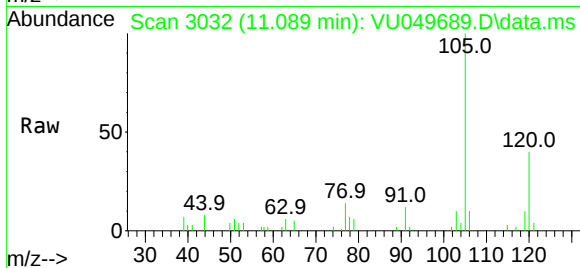
MDL-WATER-QT2-2022-03

Tgt Ion:105 Resp: 12412

Ion Ratio Lower Upper

105 100

120 41.4 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 2.138 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049689.D

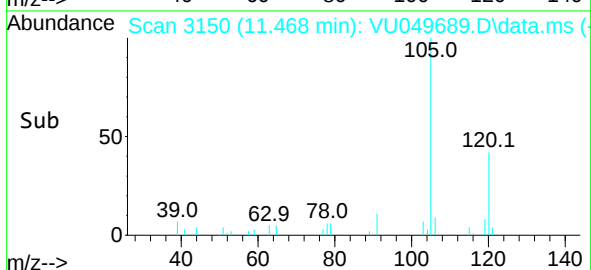
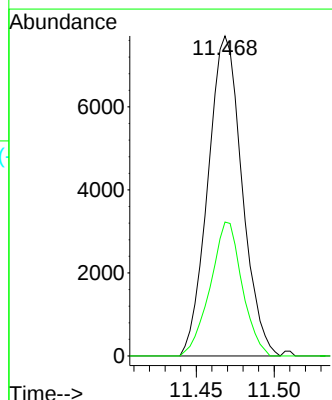
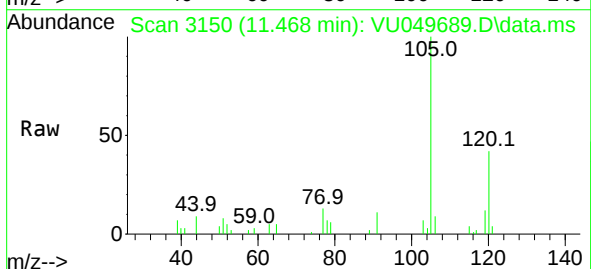
Acq: 12 Jul 2022 12:55

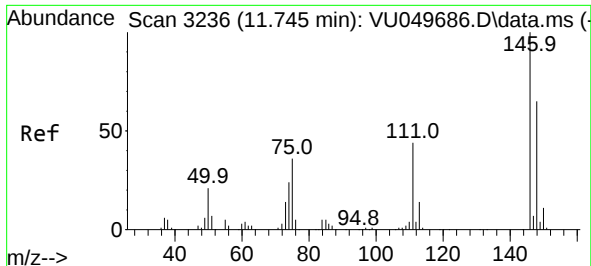
Tgt Ion:105 Resp: 11724

Ion Ratio Lower Upper

105 100

120 39.0 33.9 50.9

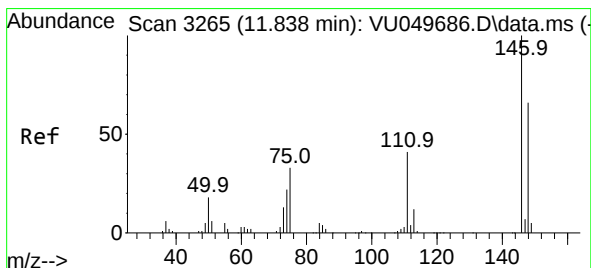
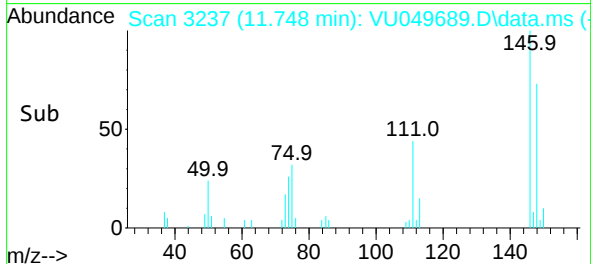
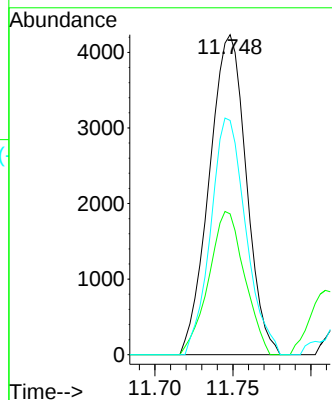
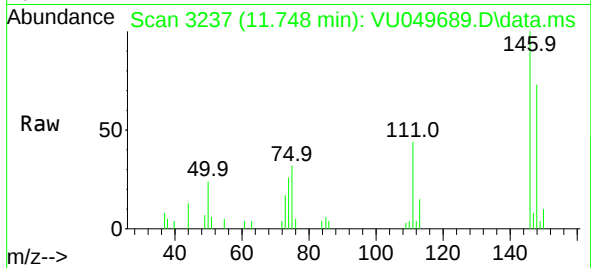




#64
1,3-Dichlorobenzene
Concen: 2.444 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

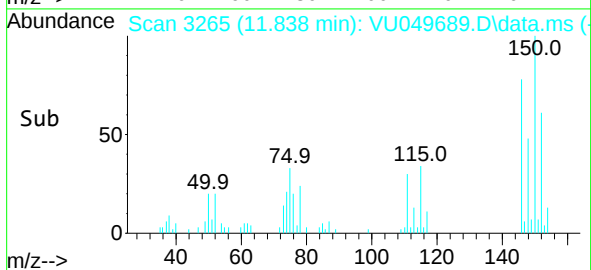
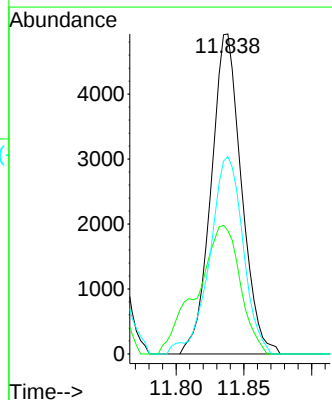
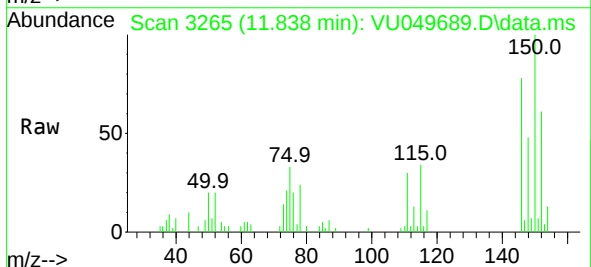
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

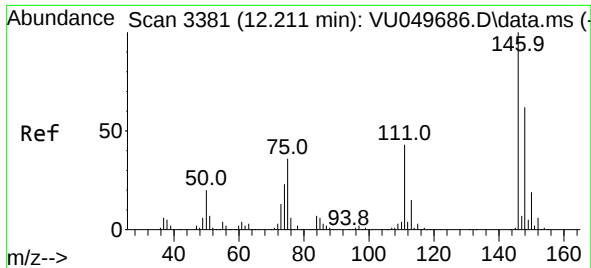
Tgt Ion:146 Resp: 6982
Ion Ratio Lower Upper
146 100
111 44.0 30.0 55.6
148 73.2 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 2.670 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU049689.D
Acq: 12 Jul 2022 12:55

Tgt Ion:146 Resp: 7661
Ion Ratio Lower Upper
146 100
111 35.9 29.1 54.1
148 57.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.698 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

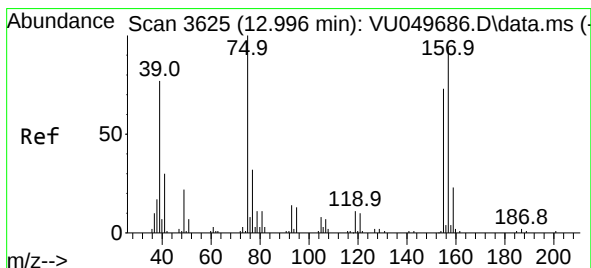
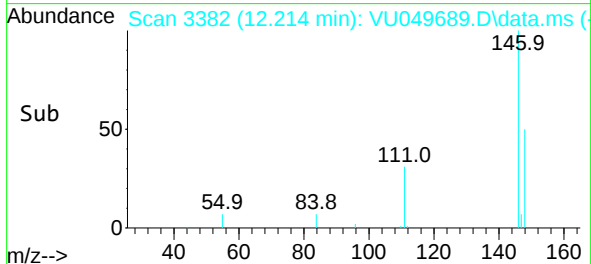
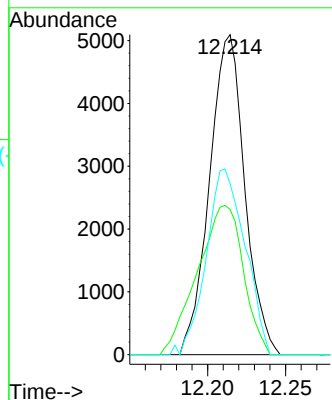
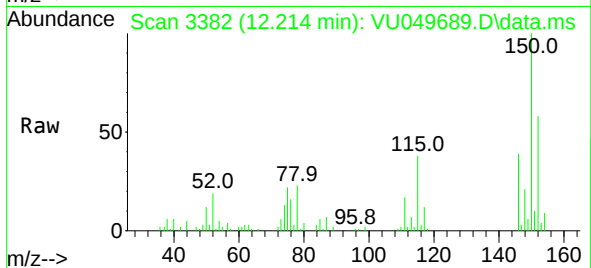
Tgt Ion:146 Resp: 8015

Ion Ratio Lower Upper

146 100

111 45.4 35.8 53.8

148 53.4 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 2.668 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

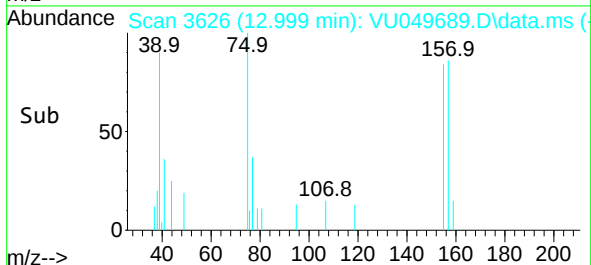
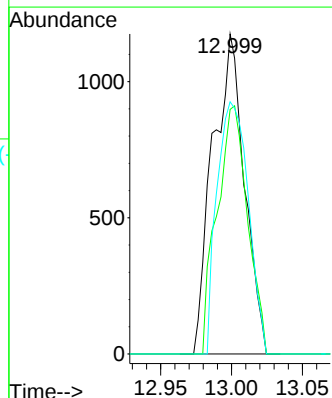
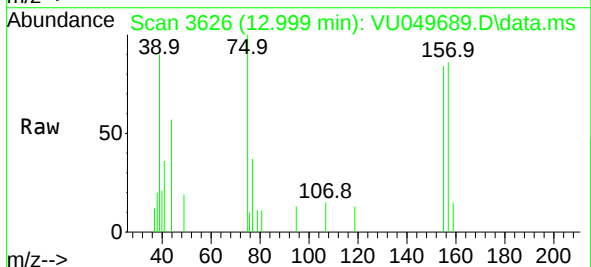
Tgt Ion: 75 Resp: 1825

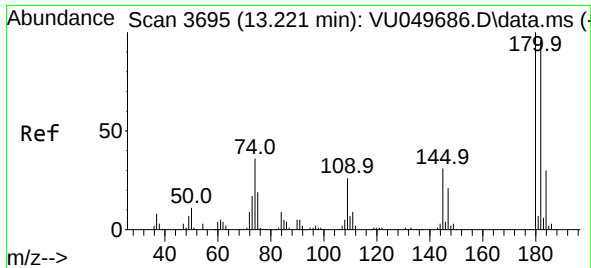
Ion Ratio Lower Upper

75 100

155 76.4 57.7 86.5

157 78.8 75.6 113.4

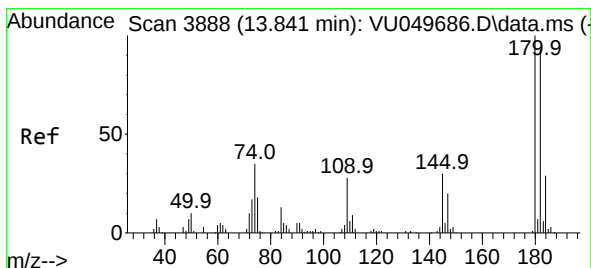
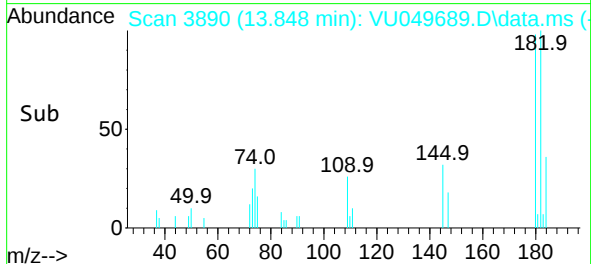
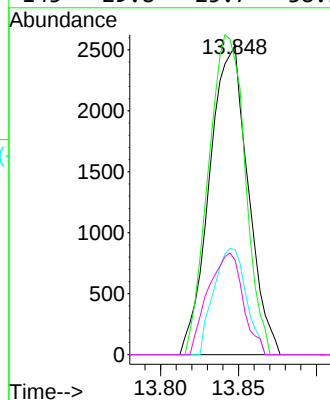
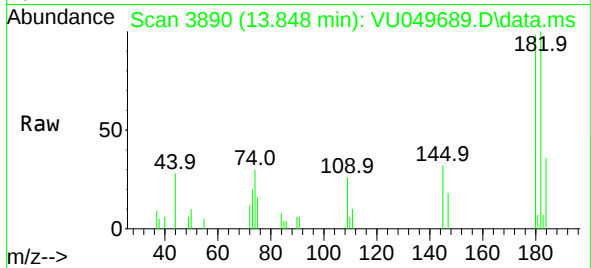




#69
 1,3,5-Trichlorobenzene
 Concen: 2.180 ug/L
 RT: 13.848 min Scan# 3890
 Delta R.T. 0.627 min
 Lab File: VU049689.D
 Acq: 12 Jul 2022 12:55

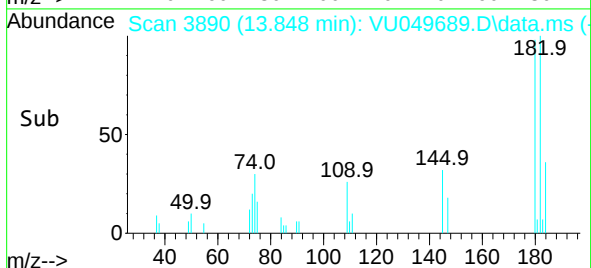
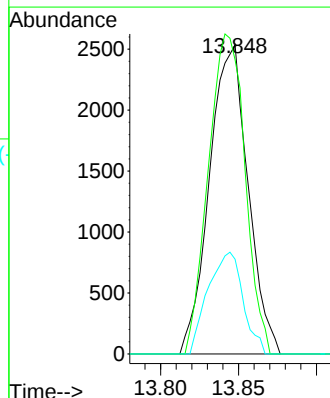
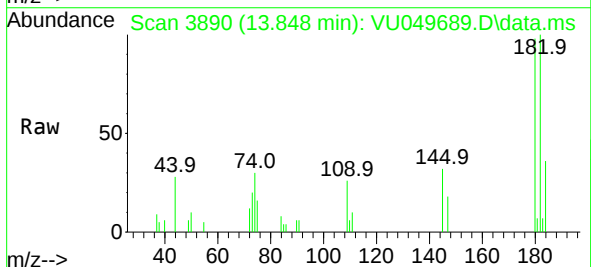
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-03

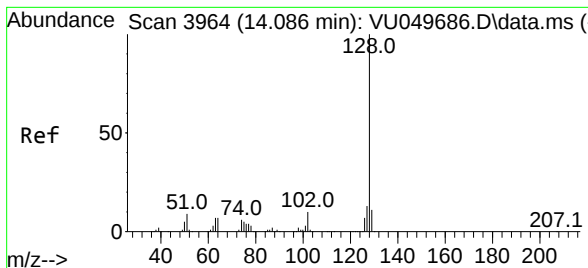
Tgt Ion:180	Resp:	4363
Ion	Ratio	Lower Upper
180	100	
182	98.5	76.0 114.0
184	28.7	24.0 36.0
145	29.8	25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 2.375 ug/L
 RT: 13.848 min Scan# 3890
 Delta R.T. 0.007 min
 Lab File: VU049689.D
 Acq: 12 Jul 2022 12:55

Tgt Ion:180	Resp:	4363
Ion	Ratio	Lower Upper
180	100	
182	98.5	74.8 112.2
145	29.8	24.7 37.1





#71

Naphthalene

Concen: 2.206 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

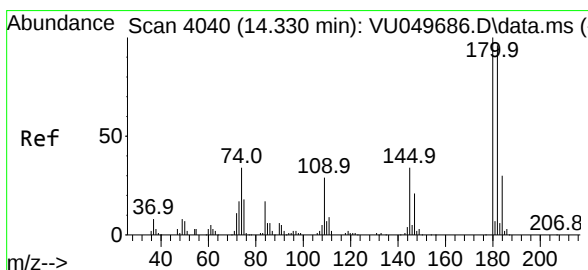
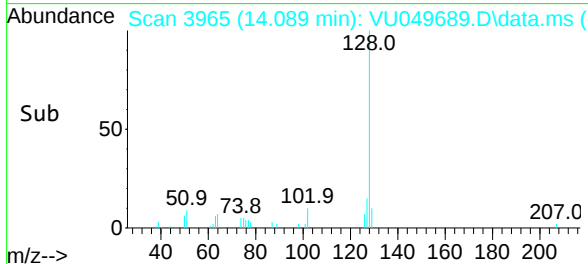
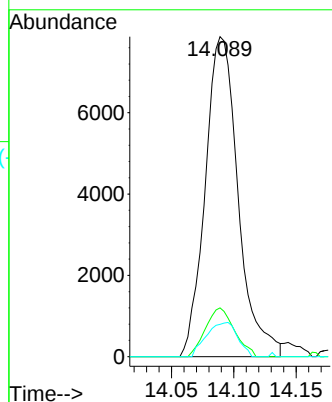
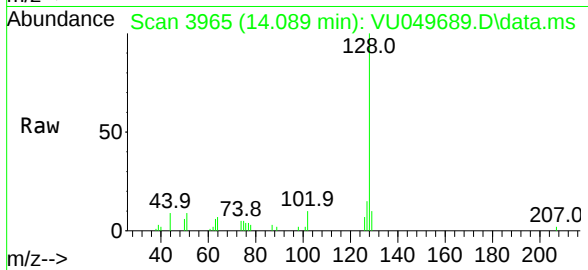
Tgt Ion:128 Resp: 14485

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

129 10.1 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 2.239 ug/L

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU049689.D

Acq: 12 Jul 2022 12:55

Tgt Ion:180 Resp: 4260

Ion Ratio Lower Upper

180 100

182 99.5 76.6 115.0

145 34.6 27.1 40.7

