

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110722\
 Data File : VU051770.D
 Acq On : 07 Nov 2022 15:59
 Operator : JC/MD
 Sample : N4519-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2022-08

Quant Time: Nov 08 00:38:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 08 00:38:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	450588	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	454739	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	206976	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	179482	50.200	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 100.400%	
7) Chloroethane-d5	1.912	69	159610	54.188	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 108.380%	
11) 1,1-Dichloroethene-d2	2.565	63	230294	37.839	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 75.680%	
21) 2-Butanone-d5	4.617	46	254026	100.792	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 100.790%	
24) Chloroform-d	5.060	84	324456	49.408	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 98.820%	
26) 1,2-Dichloroethane-d4	5.700	65	206636	50.614	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.220%	
32) Benzene-d6	5.726	84	691926	56.188	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 112.380%	
36) 1,2-Dichloropropane-d6	6.690	67	225329	55.719	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 111.440%	
41) Toluene-d8	7.896	98	589519	52.520	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 105.040%	
43) trans-1,3-Dichloroprop...	8.179	79	88007	51.109	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 102.220%	
47) 2-Hexanone-d5	8.632	63	185453	104.410	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 104.410%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	334186	47.570	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 95.140%	
66) 1,2-Dichlorobenzene-d4	12.192	152	216577	55.897	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 111.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	7976	2.025	ug/L	99
3) Chloromethane	1.523	50	9966	1.980	ug/L	99
5) Vinyl chloride	1.601	62	10410	2.090	ug/L #	1
6) Bromomethane	1.855	94	6033	2.330	ug/L	100
8) Chloroethane	1.932	64	7219	2.425	ug/L	93
9) Trichlorofluoromethane	2.138	101	12519	2.172	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	10188	2.892	ug/L #	82
12) 1,1-Dichloroethene	2.575	96	9400	2.815	ug/L #	1
13) Acetone	2.626	43	15606	5.434	ug/L	98
14) Carbon disulfide	2.790	76	22427	2.062	ug/L	98
15) Methyl Acetate	2.951	43	9585	2.207	ug/L	91
16) Methylene chloride	3.047	84	11796	2.691	ug/L	94
17) trans-1,2-Dichloroethene	3.353	96	7803	2.272	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	22465	2.288	ug/L #	87
19) 1,1-Dichloroethane	3.867	63	15601	2.303	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	9119	2.434	ug/L	100
22) 2-Butanone	4.716	43	14592	4.378	ug/L	97
23) Bromochloromethane	4.973	128	4836	2.300	ug/L	89
27) 1,2-Dichloroethane	5.797	62	12436	2.293	ug/L	96

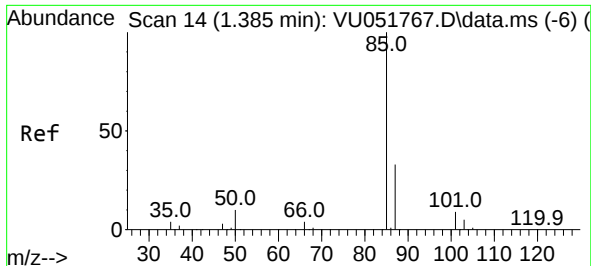
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110722\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	9798	2.051	ug/L #	86
30) 1,1,1-Trichloroethane	5.317	97	12312	2.283	ug/L	98
31) Carbon tetrachloride	5.523	117	10275	2.256	ug/L	99
33) Benzene	5.774	78	35918	2.416	ug/L	100
35) Methylcyclohexane	6.761	83	11542	2.249	ug/L	91
37) 1,2-Dichloropropane	6.790	63	10137	2.487	ug/L #	97
38) Bromodichloromethane	7.105	83	12311	2.372	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	13057	2.429	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	22960	4.215	ug/L	97
42) Toluene	7.970	91	39130	2.565	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	12723	2.432	ug/L	92
45) 1,1,2-Trichloroethane	8.401	97	10355	2.545	ug/L	92
46) Tetrachloroethene	8.552	164	6524	2.436	ug/L	92
49) Dibromochloromethane	8.809	129	10361	2.488	ug/L	99
50) 1,2-Dibromoethane	8.922	107	10194	2.445	ug/L #	97
51) Chlorobenzene	9.446	112	24589	2.461	ug/L	97
52) Ethylbenzene	9.568	91	32679	2.124	ug/L	99
53) m,p-Xylene	9.694	106	12180	2.054	ug/L	99
54) o-Xylene	10.099	106	11672	1.984	ug/L	97
55) Styrene	10.115	104	17202	1.683	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	18876	2.431	ug/L #	98
59) Bromoform	10.292	173	7320	2.539	ug/L #	97
60) 1,2,3-Trichloropropane	10.822	75	13212	2.463	ug/L	97
61) Isopropylbenzene	10.481	105	26416	2.032	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	20280	1.837	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	18879	1.736	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	15774	2.377	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	17724	2.598	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	18189	2.632	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	3299	2.279	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	11378	2.556	ug/L	95
70) 1,2,4-trichlorobenzene	13.841	180	9636	2.812	ug/L	93
71) Naphthalene	14.089	128	25578	2.332	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	9791	2.662	ug/L	99

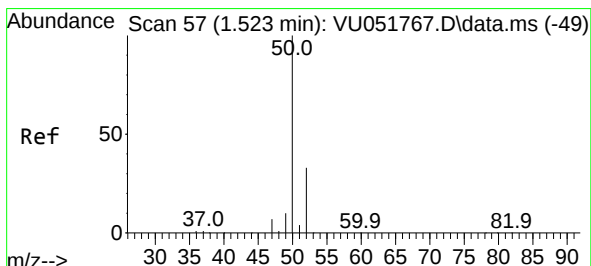
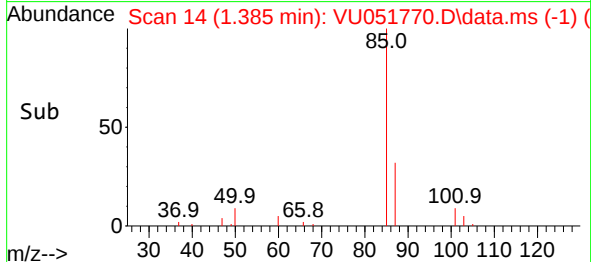
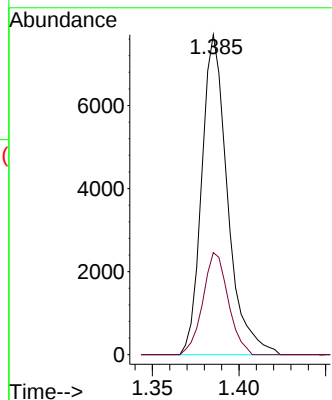
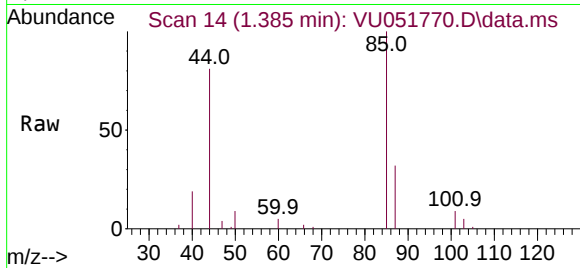
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#2
Dichlorodifluoromethane
Concen: 2.025 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

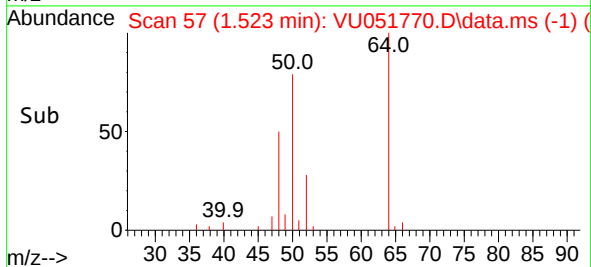
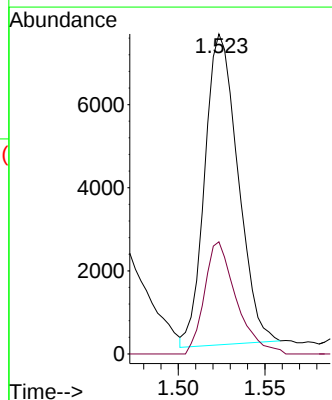
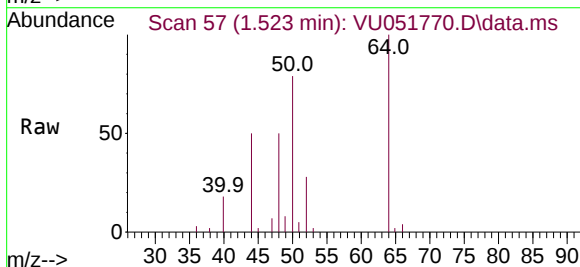
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

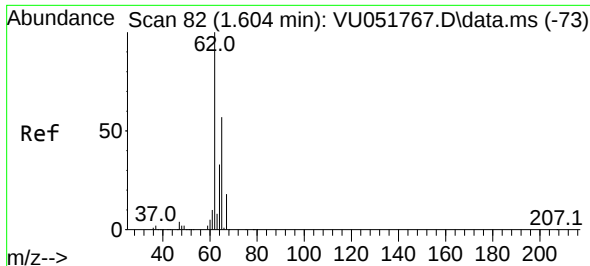
Tgt Ion: 85 Resp: 7976
Ion Ratio Lower Upper
85 100
87 31.3 25.7 38.5



#3
Chloromethane
Concen: 1.980 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion: 50 Resp: 9966
Ion Ratio Lower Upper
50 100
52 35.1 24.1 44.8

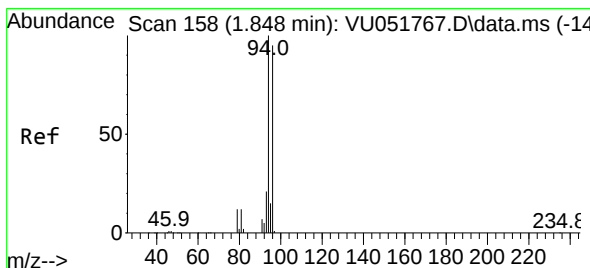
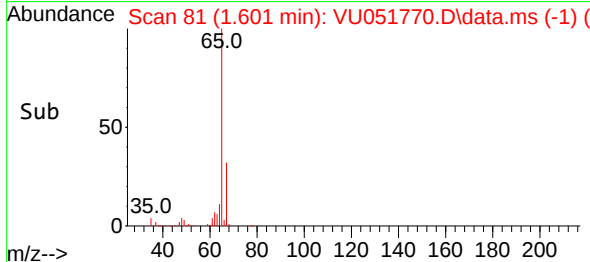
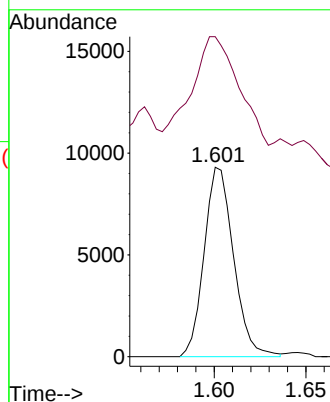
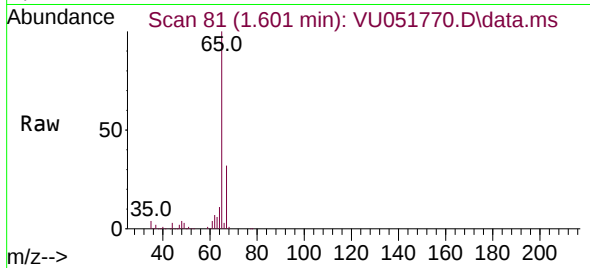




#5
 Vinyl chloride
 Concen: 2.090 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU051770.D
 Acq: 07 Nov 2022 15:59

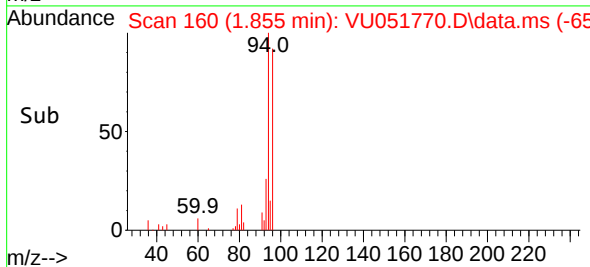
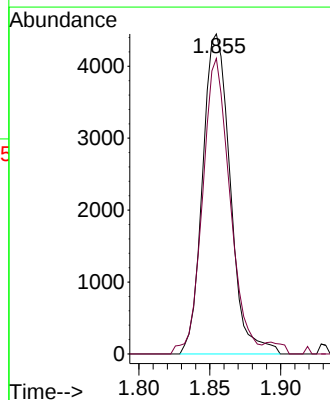
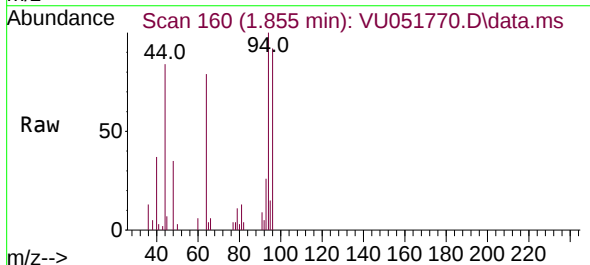
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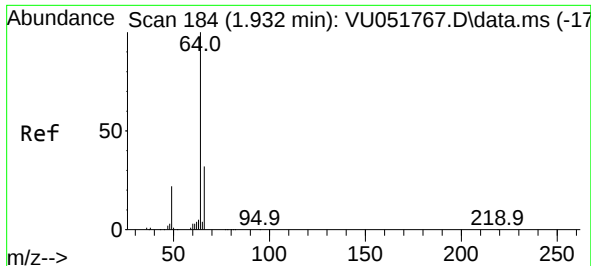
Tgt Ion: 62 Resp: 10410
 Ion Ratio Lower Upper
 62 100
 64 168.9 23.2 43.2#



#6
 Bromomethane
 Concen: 2.330 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.007 min
 Lab File: VU051770.D
 Acq: 07 Nov 2022 15:59

Tgt Ion: 94 Resp: 6033
 Ion Ratio Lower Upper
 94 100
 96 92.3 64.5 119.9

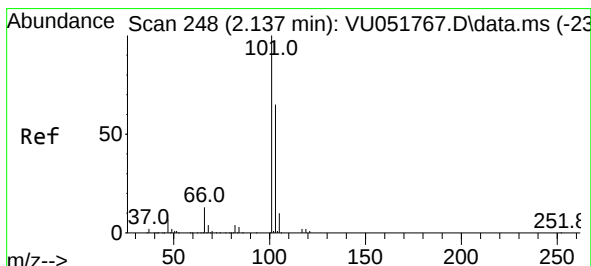
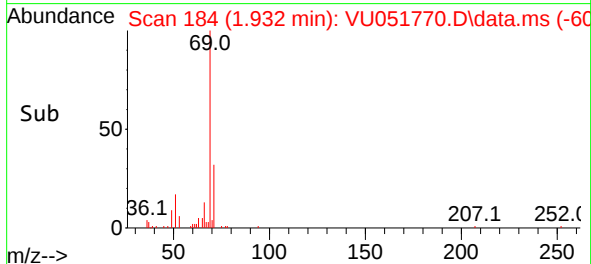
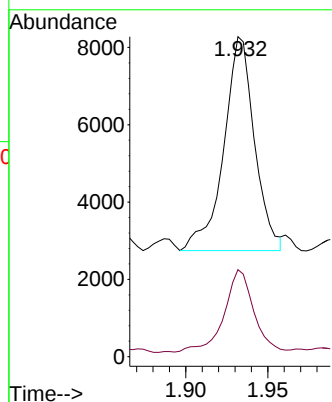
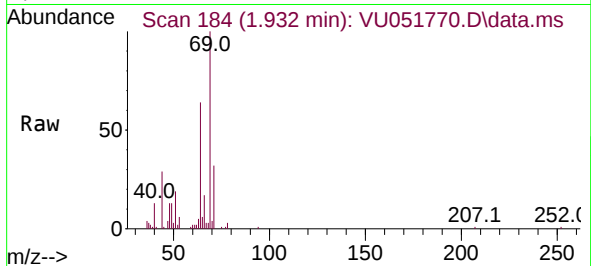




#8
Chloroethane
Concen: 2.425 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

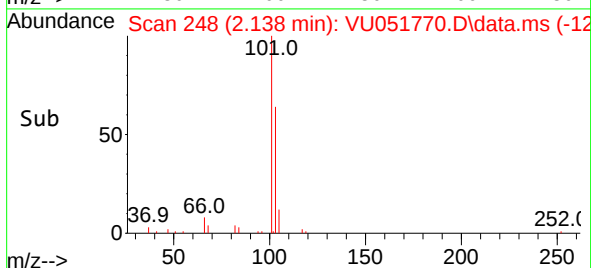
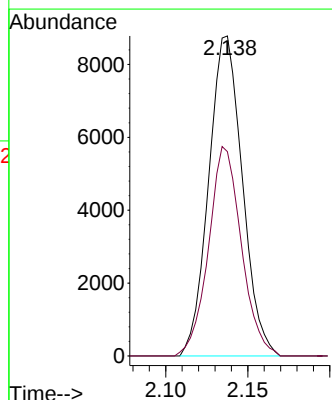
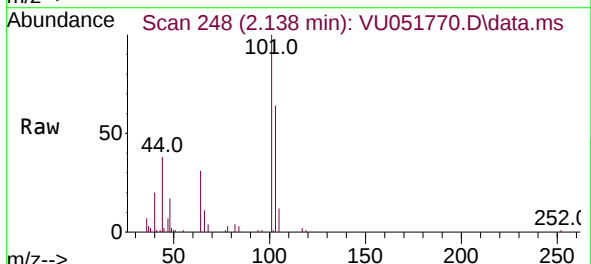
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

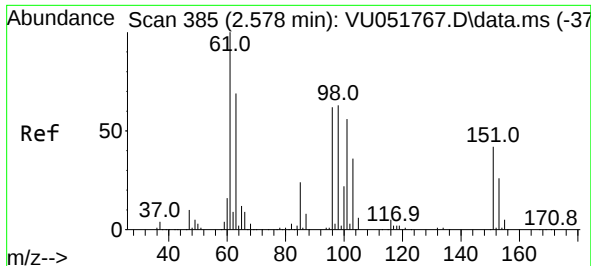
Tgt Ion: 64 Resp: 7219
Ion Ratio Lower Upper
64 100
66 27.2 21.9 40.7



#9
Trichlorofluoromethane
Concen: 2.172 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion: 101 Resp: 12519
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.892 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

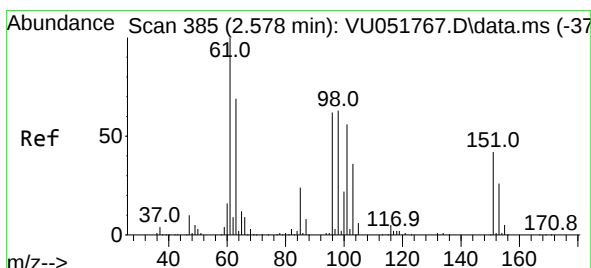
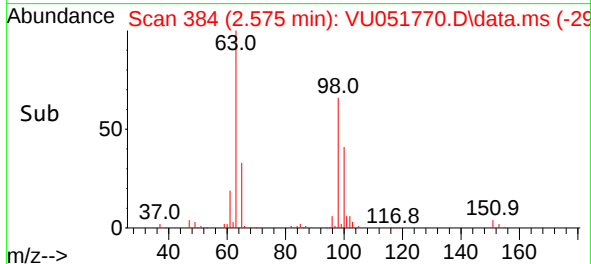
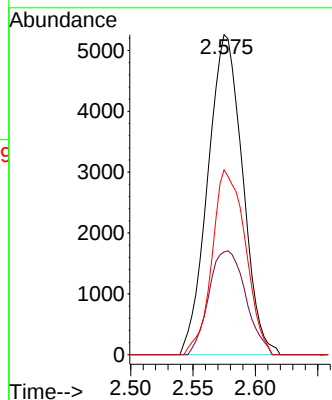
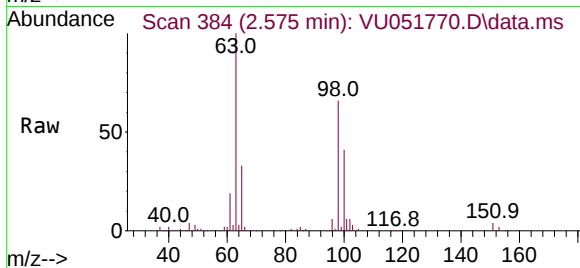
Tgt Ion:101 Resp: 10188

Ion Ratio Lower Upper

101 100

85 34.3 35.2 52.8#

151 55.5 57.8 86.8#



#12

1,1-Dichloroethene

Concen: 2.815 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

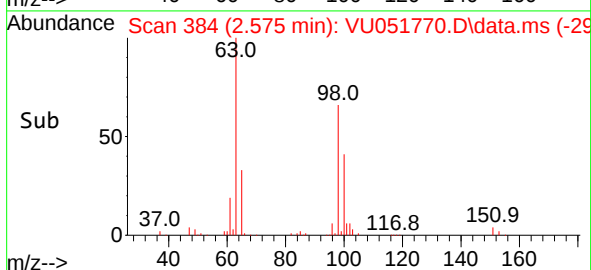
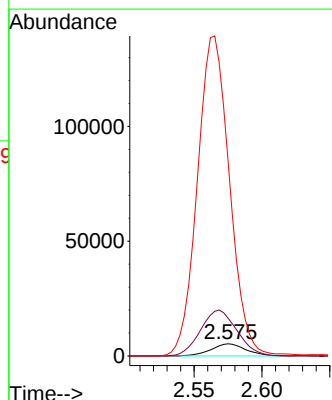
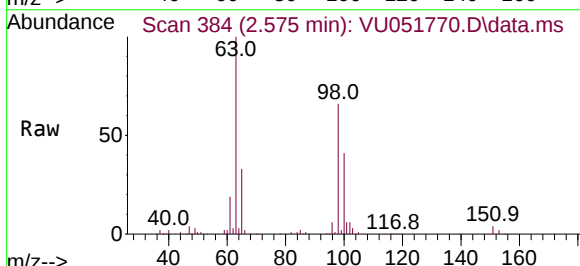
Tgt Ion: 96 Resp: 9400

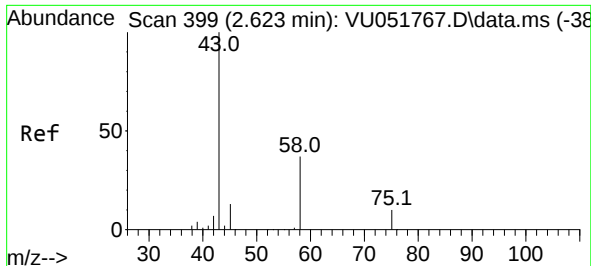
Ion Ratio Lower Upper

96 100

61 315.3 119.0 221.0#

63 1629.9 78.5 145.7#





#13

Acetone

Concen: 5.434 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

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ClientSampleId :

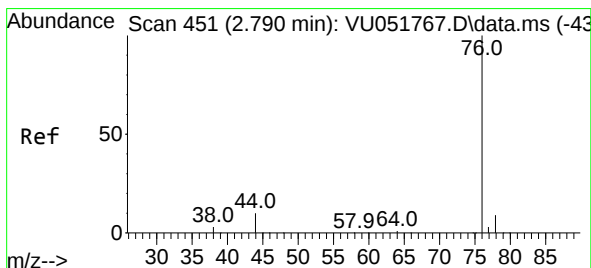
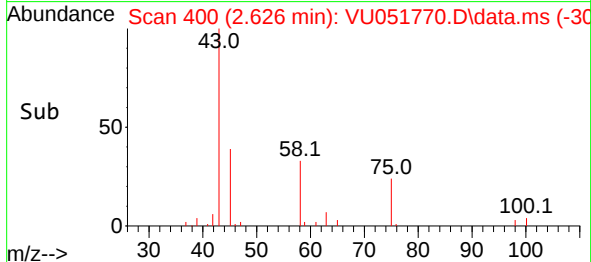
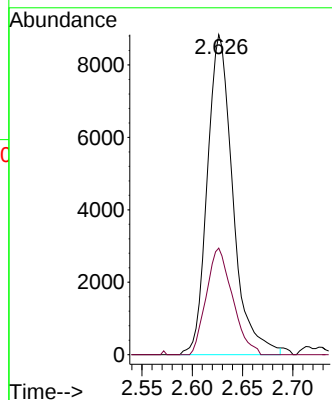
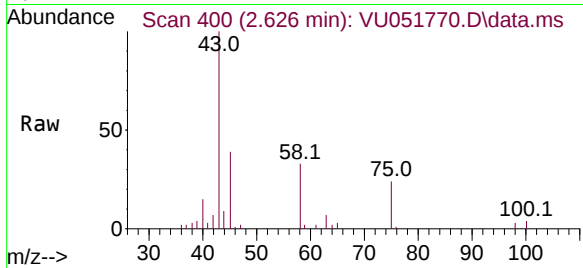
MDL-WATER-QT4-2022-08

Tgt Ion: 43 Resp: 15606

Ion Ratio Lower Upper

43 100

58 34.1 0.0 70.2



#14

Carbon disulfide

Concen: 2.062 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051770.D

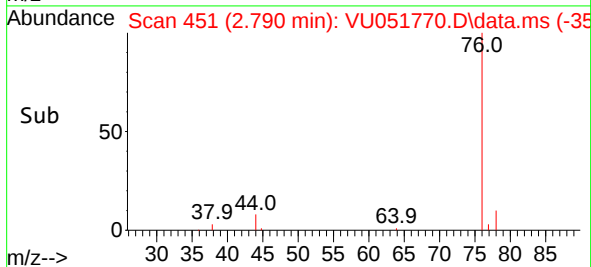
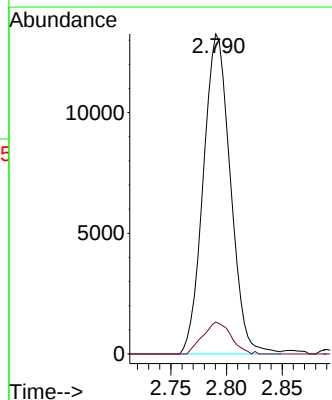
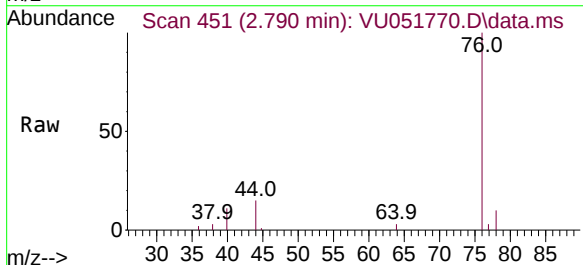
Acq: 07 Nov 2022 15:59

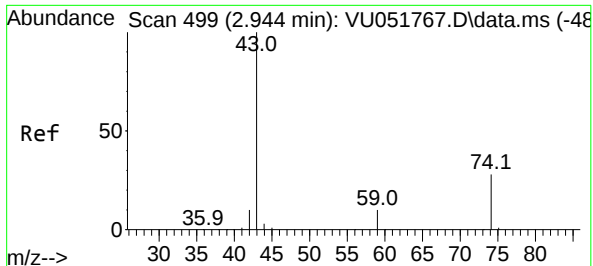
Tgt Ion: 76 Resp: 22427

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9

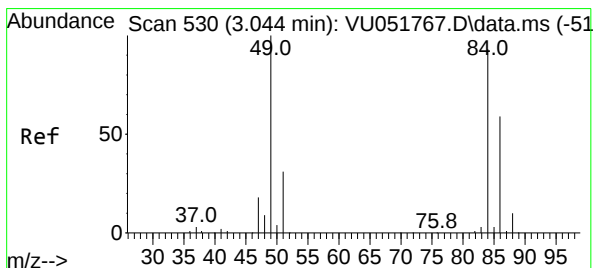
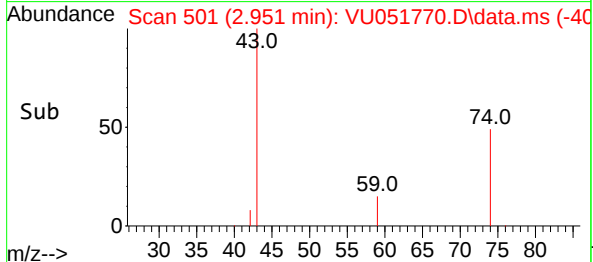
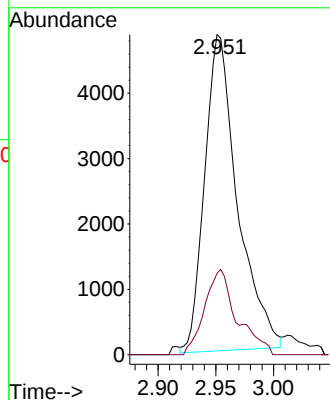
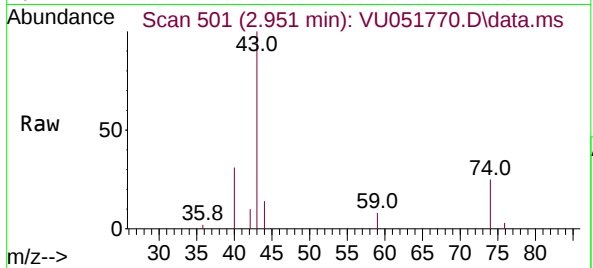




#15
Methyl Acetate
Concen: 2.207 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

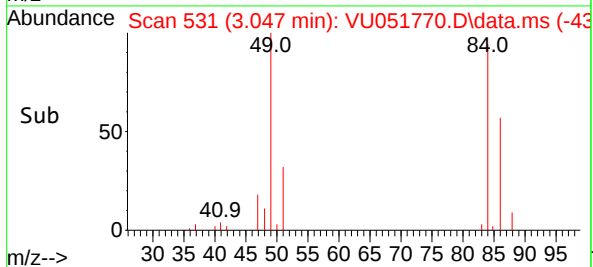
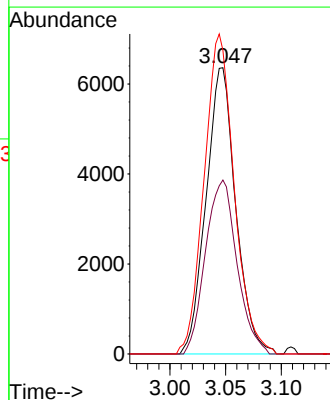
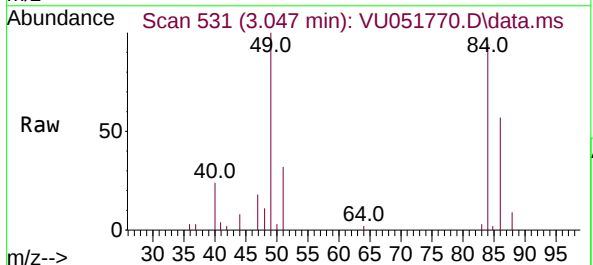
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

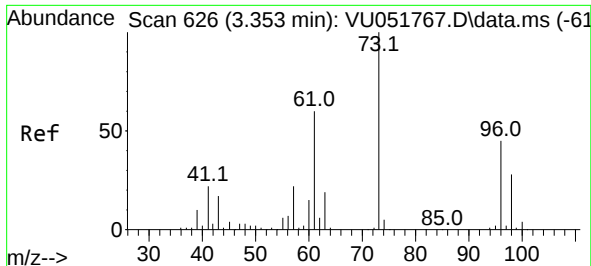
Tgt Ion: 43 Resp: 9585
Ion Ratio Lower Upper
43 100
74 21.7 21.1 31.7



#16
Methylene chloride
Concen: 2.691 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion: 84 Resp: 11796
Ion Ratio Lower Upper
84 100
86 60.8 45.8 85.2
49 106.0 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 2.272 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

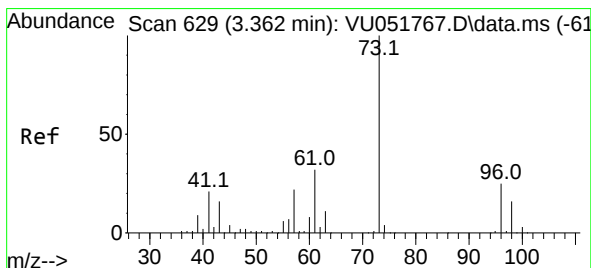
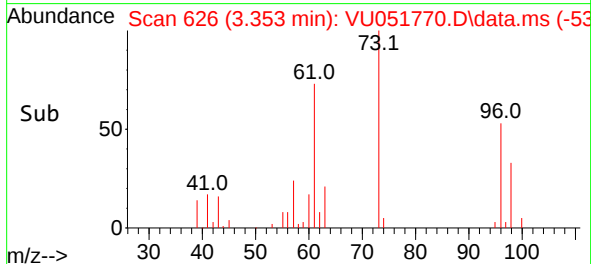
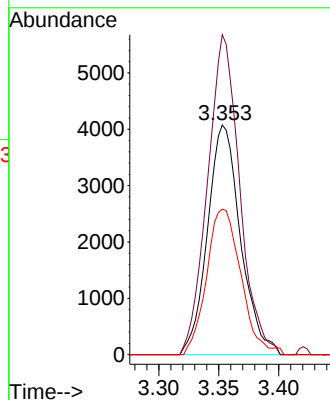
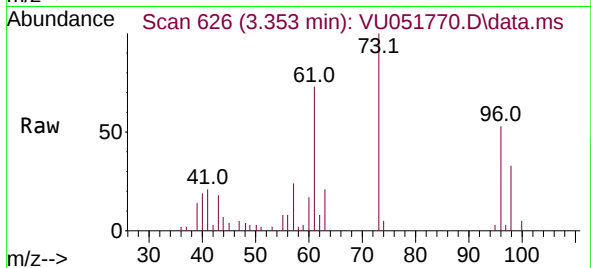
Tgt Ion: 96 Resp: 7803

Ion Ratio Lower Upper

96 100

61 139.3 98.1 182.1

98 63.3 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 2.288 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.003 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

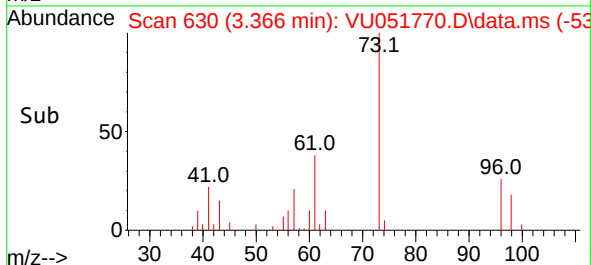
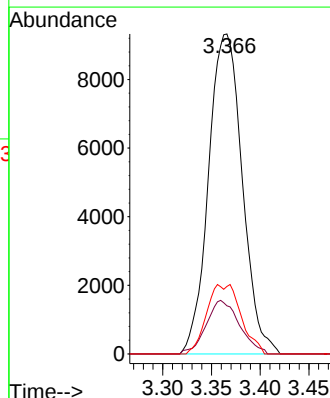
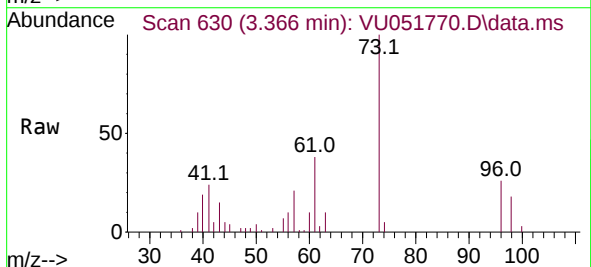
Tgt Ion: 73 Resp: 22465

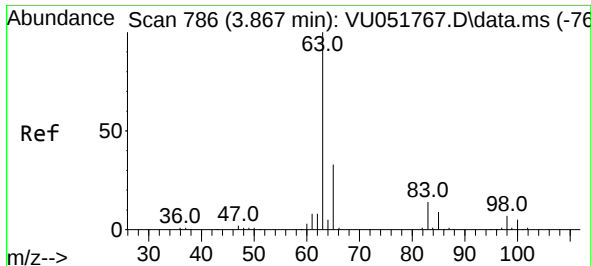
Ion Ratio Lower Upper

73 100

43 16.6 13.9 20.9

57 11.6 17.7 26.5#





#19

1,1-Dichloroethane

Concen: 2.303 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

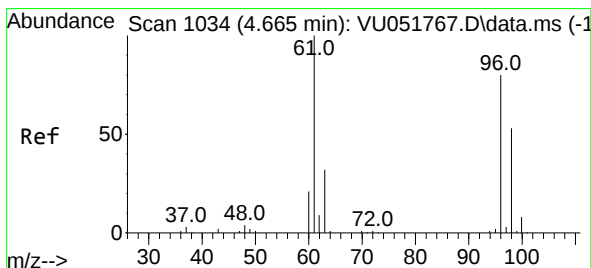
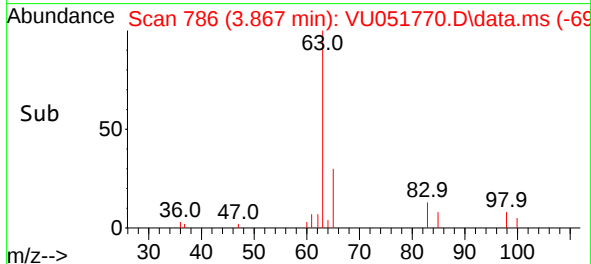
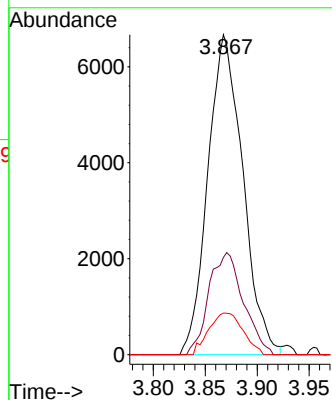
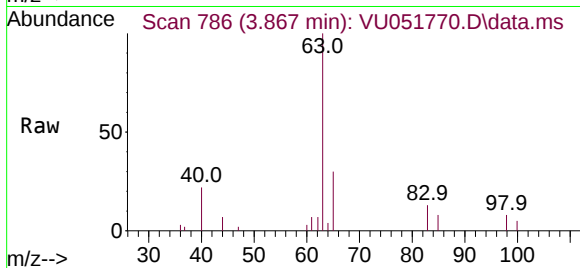
Tgt Ion: 63 Resp: 15601

Ion Ratio Lower Upper

63 100

65 30.4 22.1 41.1

83 13.0 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 2.434 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

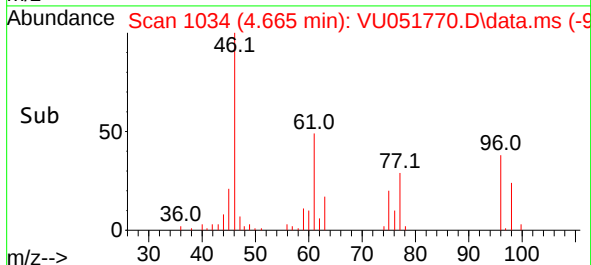
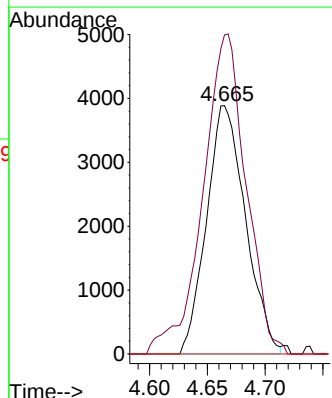
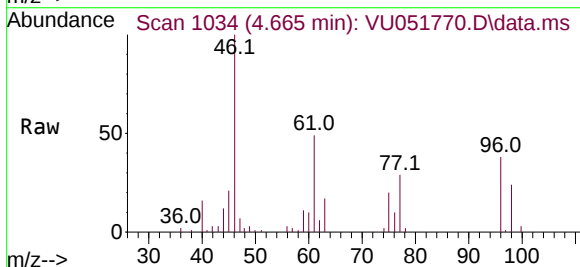
Tgt Ion: 96 Resp: 9119

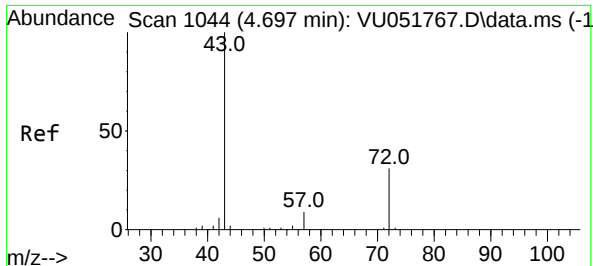
Ion Ratio Lower Upper

96 100

61 128.5 89.7 166.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.378 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.020 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Instrument :

MSVOA_U

ClientSampleId :

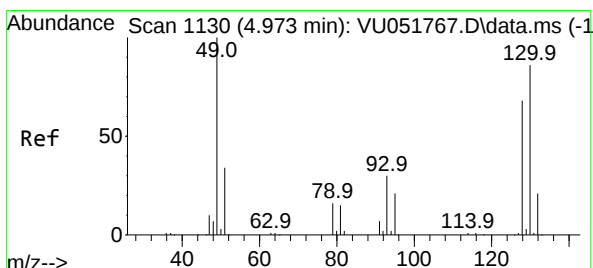
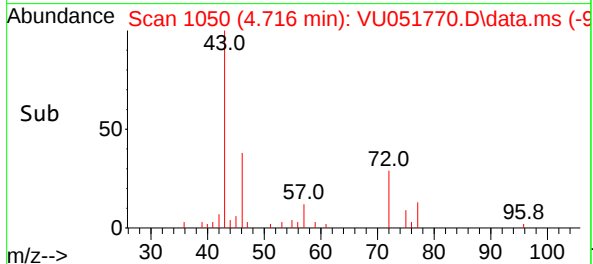
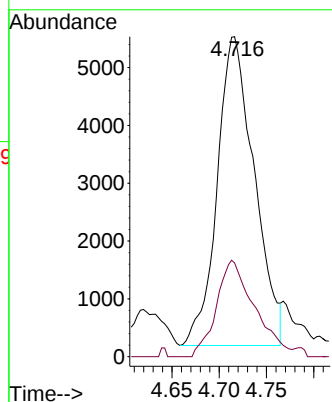
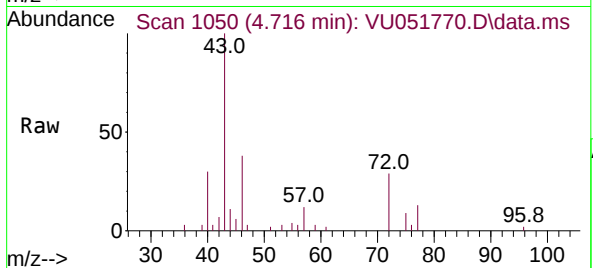
MDL-WATER-QT4-2022-08

Tgt Ion: 43 Resp: 14592

Ion Ratio Lower Upper

43 100

72 32.0 15.2 45.6



#23

Bromochloromethane

Concen: 2.300 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Tgt Ion: 128 Resp: 4836

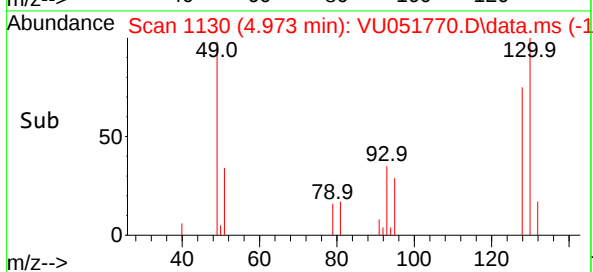
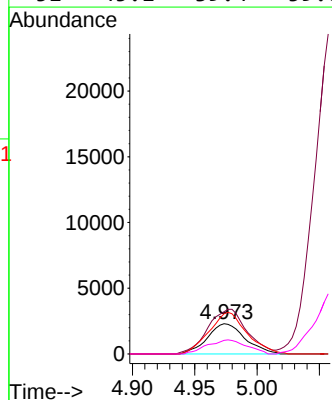
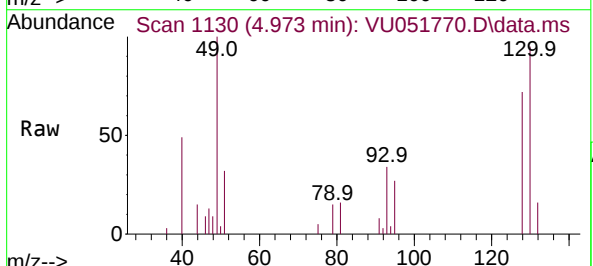
Ion Ratio Lower Upper

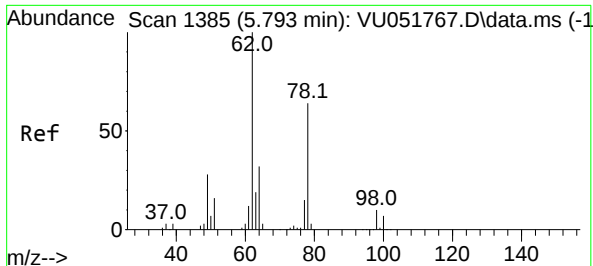
128 100

49 139.3 111.9 207.9

130 132.7 88.2 163.8

51 45.1 39.4 59.0

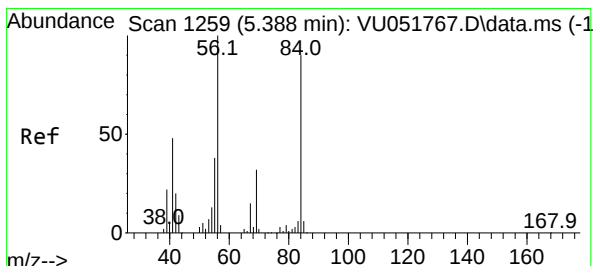
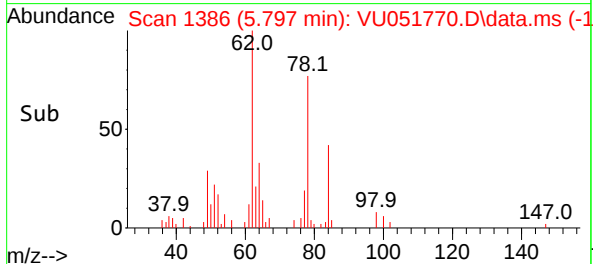
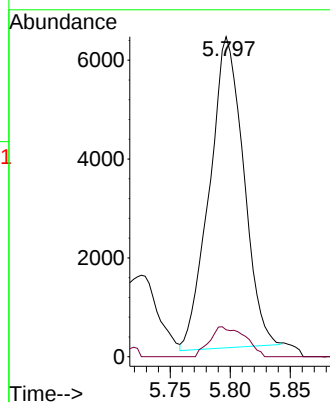
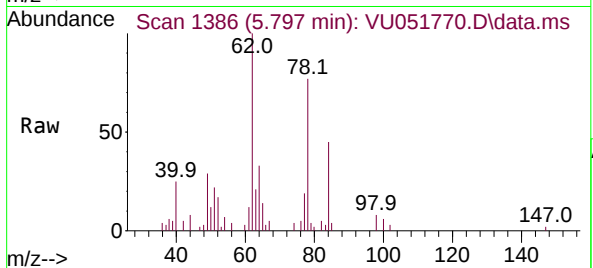




#27
1,2-Dichloroethane
Concen: 2.293 ug/L
RT: 5.797 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

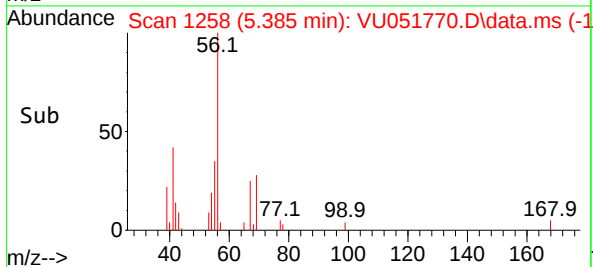
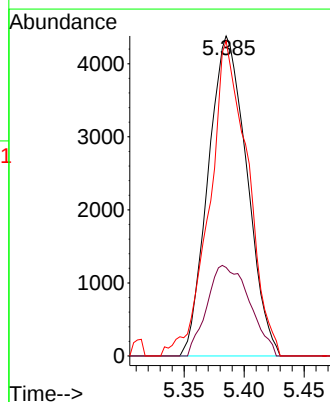
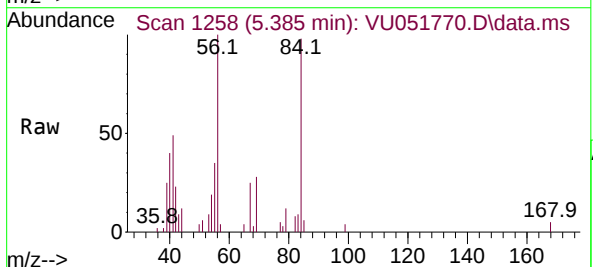
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

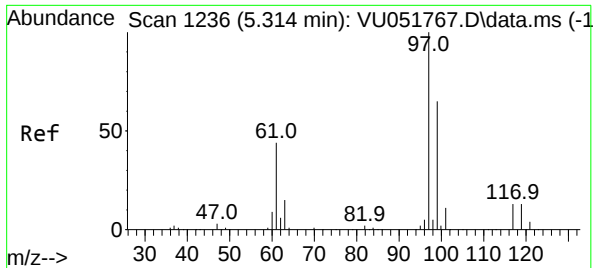
Tgt Ion: 62 Resp: 12436
Ion Ratio Lower Upper
62 100
98 8.4 8.0 12.0



#29
Cyclohexane
Concen: 2.051 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion: 56 Resp: 9798
Ion Ratio Lower Upper
56 100
69 19.5 25.5 38.3#
84 96.9 69.8 104.6





#30

1,1,1-Trichloroethane

Concen: 2.283 ug/L

RT: 5.317 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

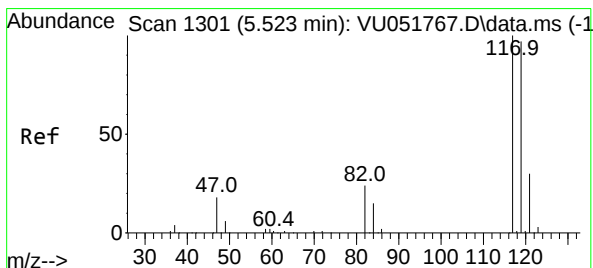
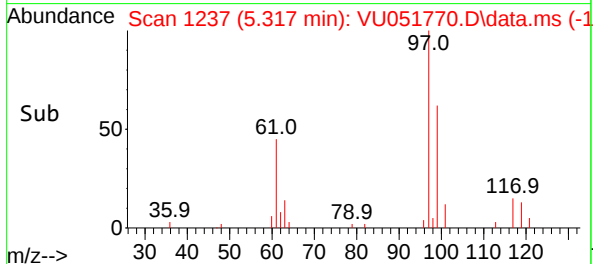
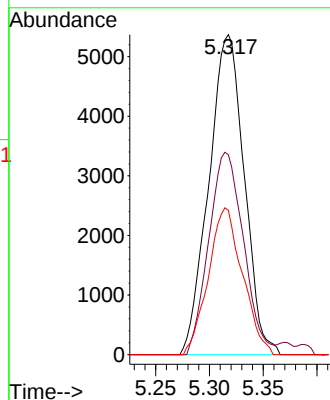
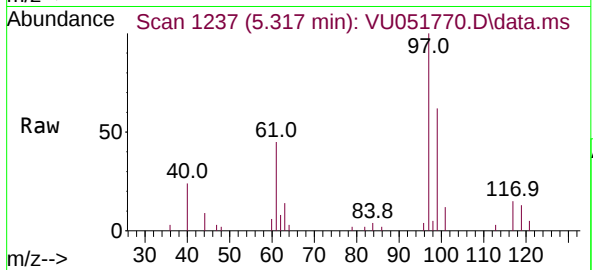
Tgt Ion: 97 Resp: 12312

Ion Ratio Lower Upper

97 100

99 61.9 50.7 76.1

61 44.2 36.7 55.1



#31

Carbon tetrachloride

Concen: 2.256 ug/L

RT: 5.523 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VU051770.D

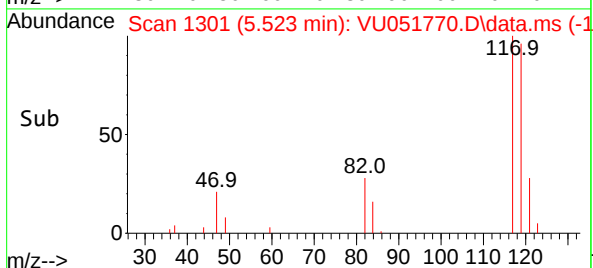
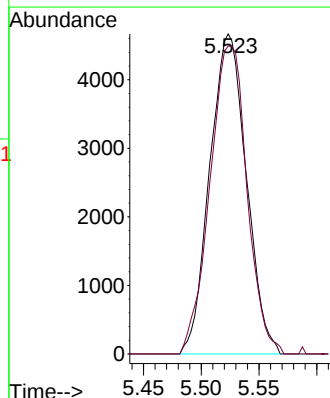
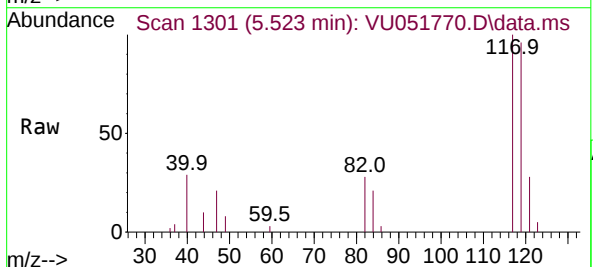
Acq: 07 Nov 2022 15:59

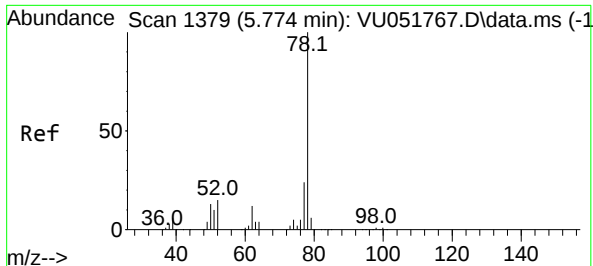
Tgt Ion: 117 Resp: 10275

Ion Ratio Lower Upper

117 100

119 97.7 77.0 115.6

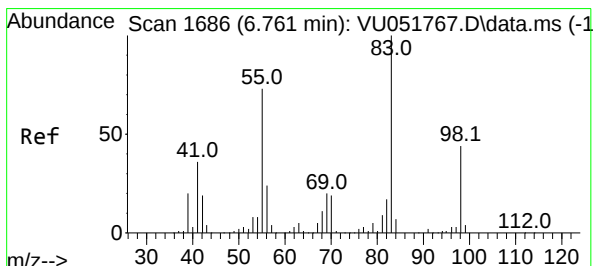
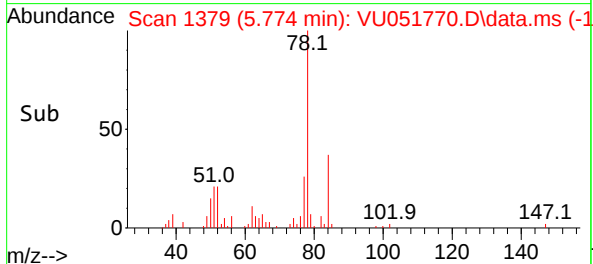
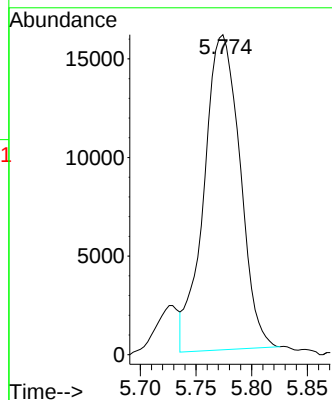
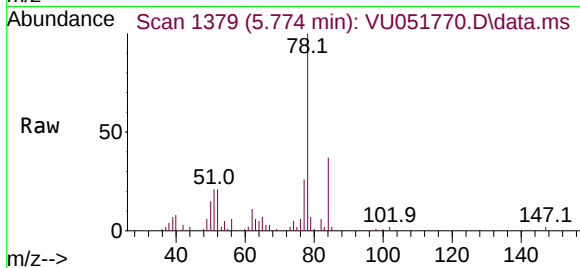




#33
Benzene
Concen: 2.416 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

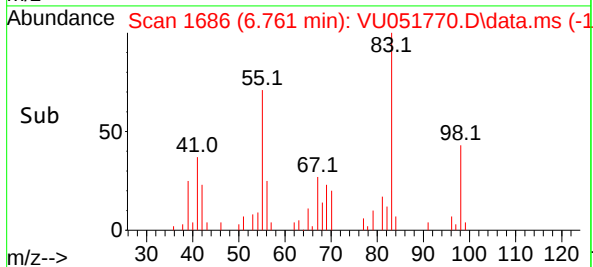
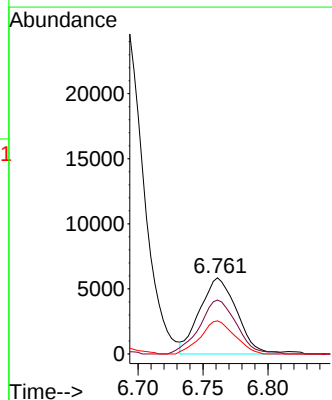
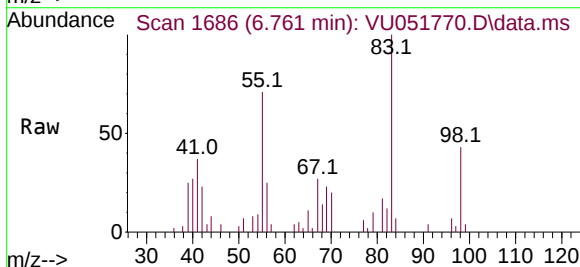
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

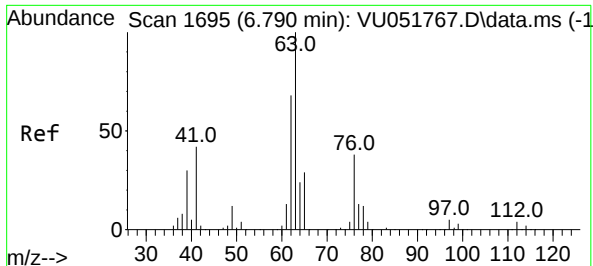
Tgt Ion: 78 Resp: 35918



#35
Methylcyclohexane
Concen: 2.249 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion: 83 Resp: 11542
Ion Ratio Lower Upper
83 100
55 70.2 62.6 93.8
98 40.1 36.2 54.4

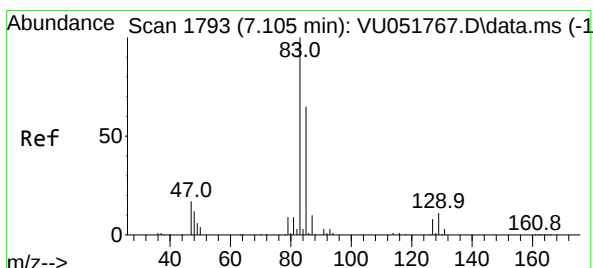
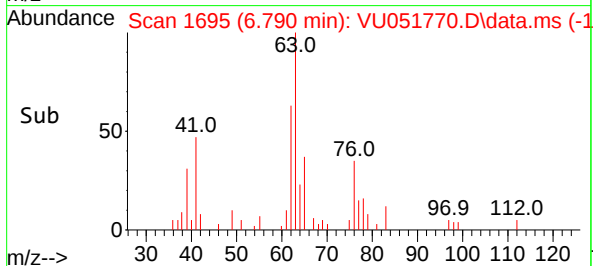
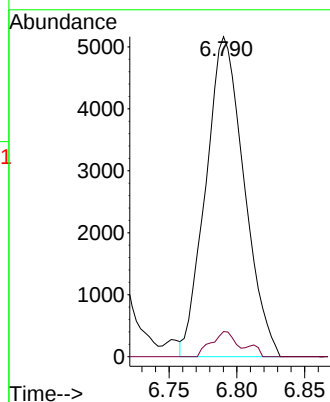
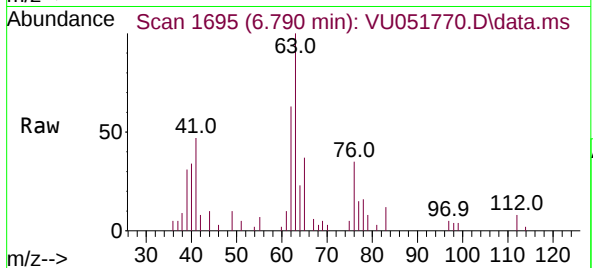




#37
1,2-Dichloropropane
Concen: 2.487 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

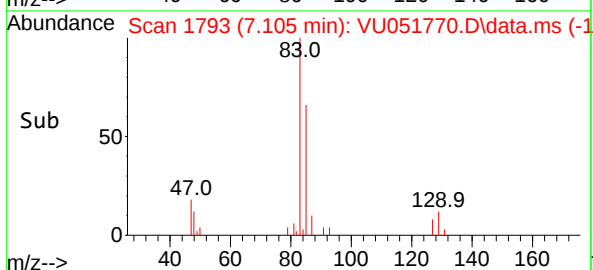
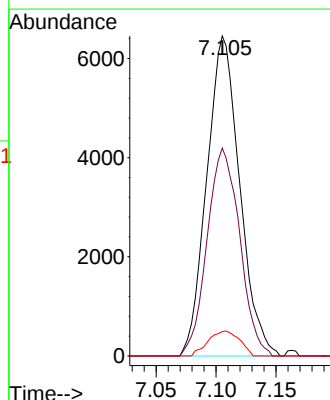
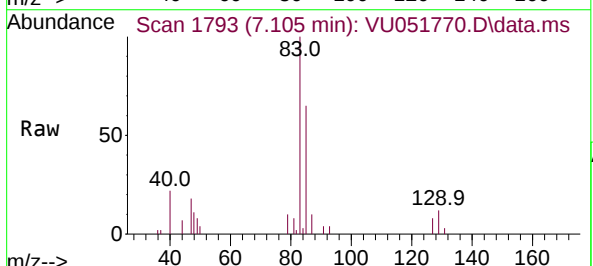
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

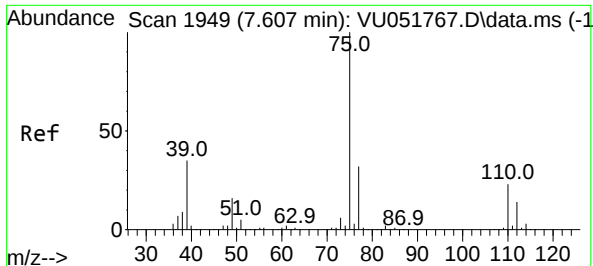
Tgt Ion: 63 Resp: 10137
Ion Ratio Lower Upper
63 100
112 4.9 3.2 4.8#



#38
Bromodichloromethane
Concen: 2.372 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion: 83 Resp: 12311
Ion Ratio Lower Upper
83 100
85 64.9 44.9 83.5
127 7.6 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 2.429 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Instrument :

MSVOA_U

ClientSampleId :

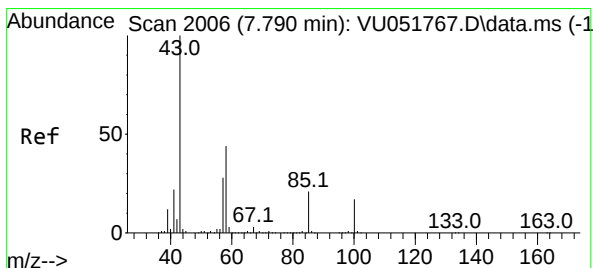
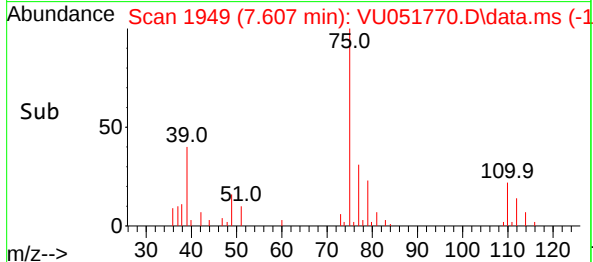
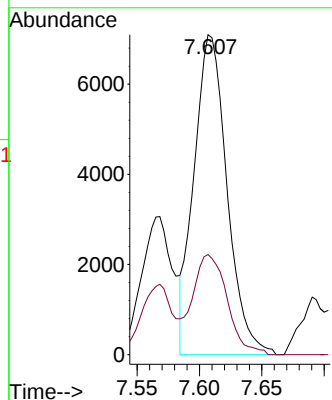
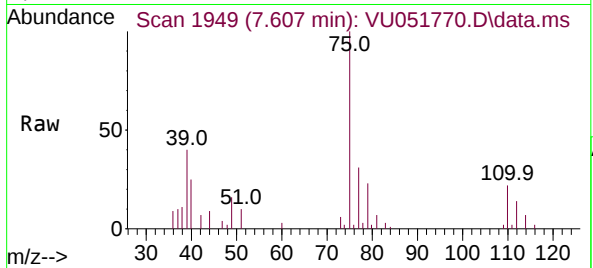
MDL-WATER-QT4-2022-08

Tgt Ion: 75 Resp: 13057

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 4.215 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

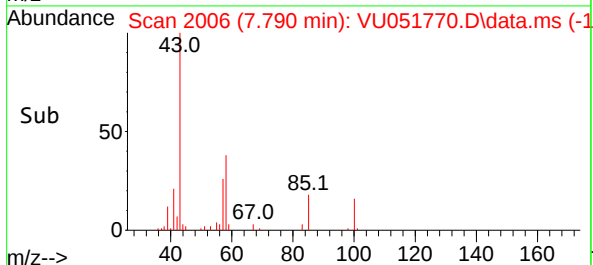
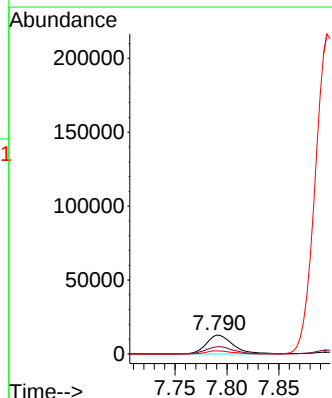
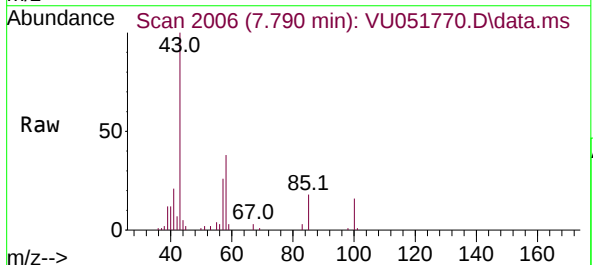
Tgt Ion: 43 Resp: 22960

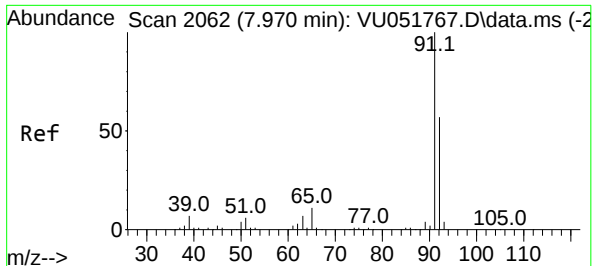
Ion Ratio Lower Upper

43 100

58 40.5 34.4 51.6

100 15.7 12.9 19.3





#42

Toluene

Concen: 2.565 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Instrument :

MSVOA_U

ClientSampleId :

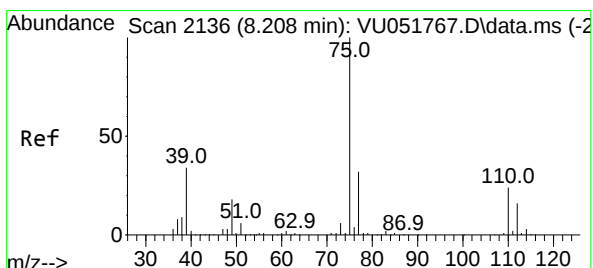
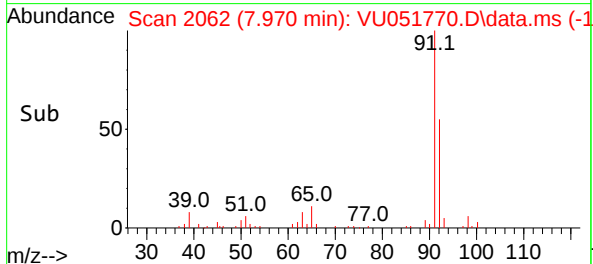
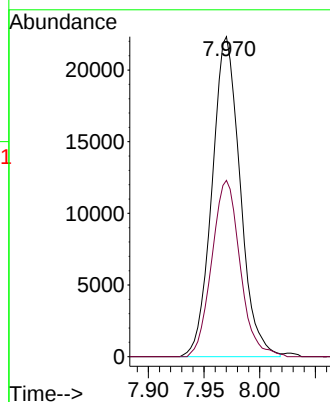
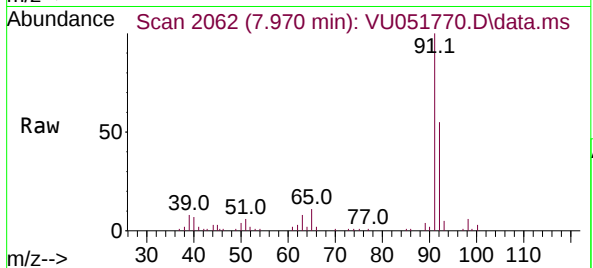
MDL-WATER-QT4-2022-08

Tgt Ion: 91 Resp: 39130

Ion Ratio Lower Upper

91 100

92 55.1 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 2.432 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051770.D

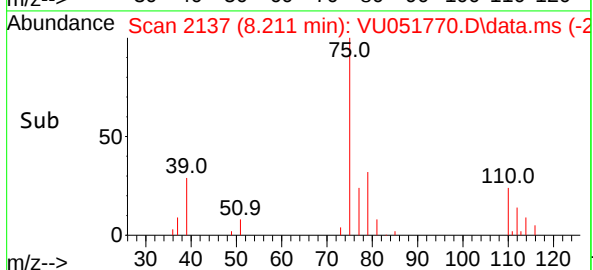
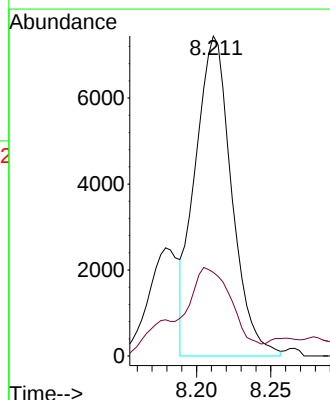
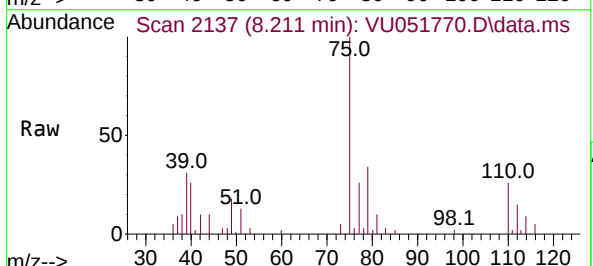
Acq: 07 Nov 2022 15:59

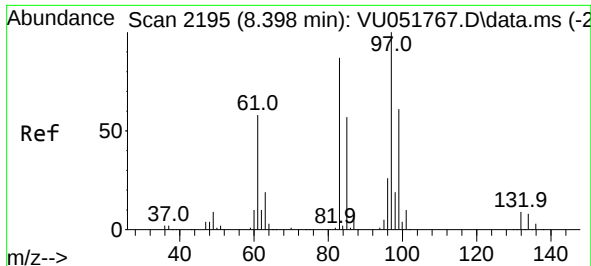
Tgt Ion: 75 Resp: 12723

Ion Ratio Lower Upper

75 100

77 26.1 21.3 39.5

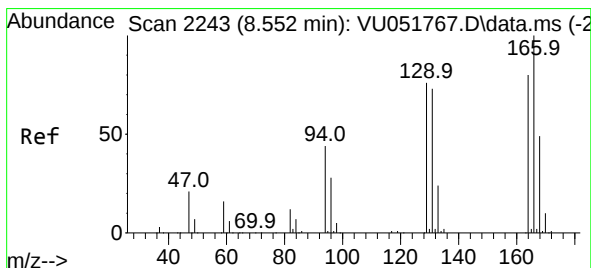
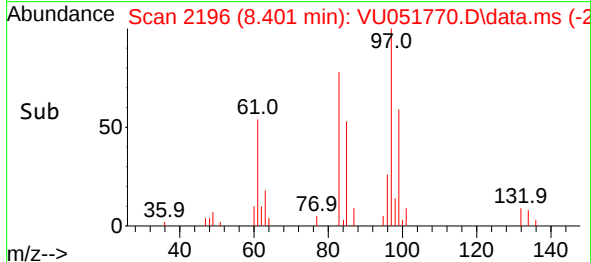
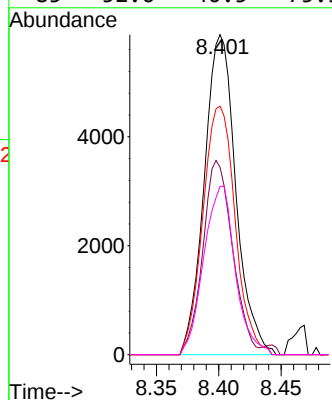
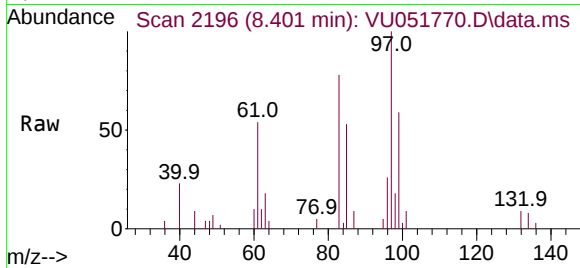




#45
1,1,2-Trichloroethane
Concen: 2.545 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

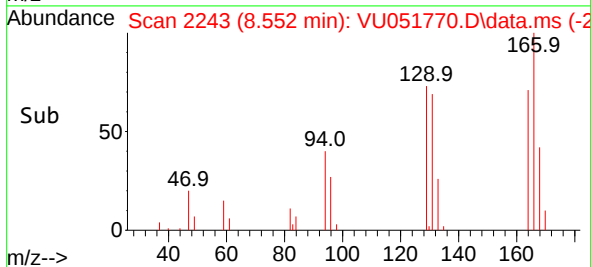
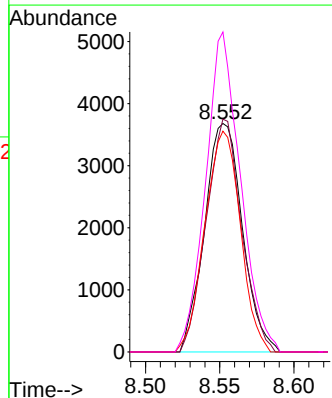
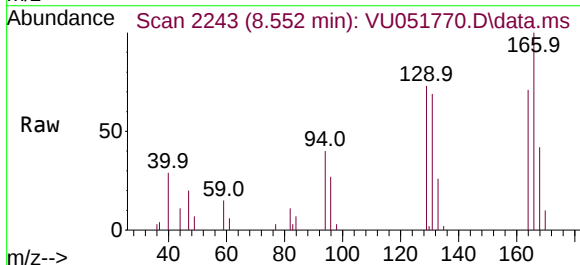
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

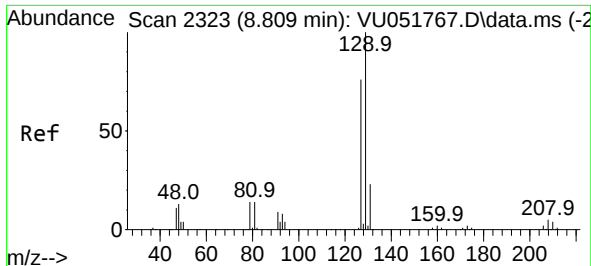
Tgt Ion: 97	Resp: 10355
Ion Ratio	Lower Upper
97 100	
99 58.6	43.6 81.0
83 77.6	61.8 114.8
85 52.6	40.5 75.3



#46
Tetrachloroethene
Concen: 2.436 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion:164	Resp: 6524
Ion Ratio	Lower Upper
164 100	
129 101.9	67.3 124.9
131 96.6	65.2 121.0
166 140.1	87.0 161.6





#49

Dibromochloromethane

Concen: 2.488 ug/L

RT: 8.809 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Instrument :

MSVOA_U

ClientSampleId :

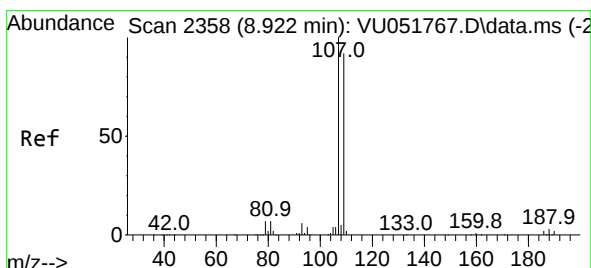
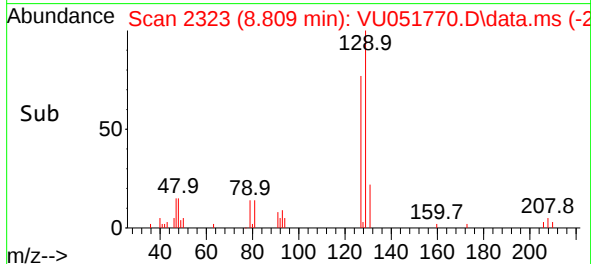
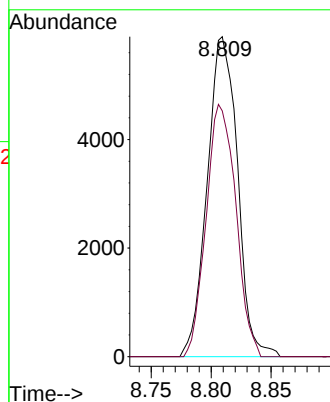
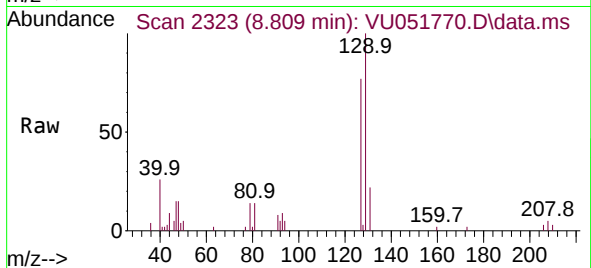
MDL-WATER-QT4-2022-08

Tgt Ion:129 Resp: 10361

Ion Ratio Lower Upper

129 100

127 76.8 53.1 98.5



#50

1,2-Dibromoethane

Concen: 2.445 ug/L

RT: 8.922 min Scan# 2358

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

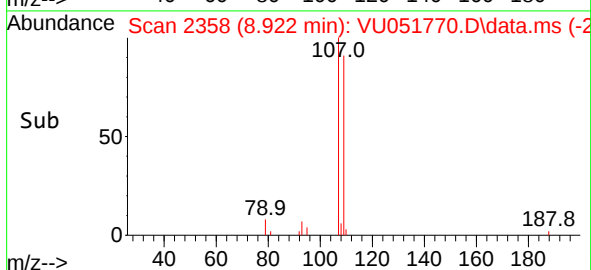
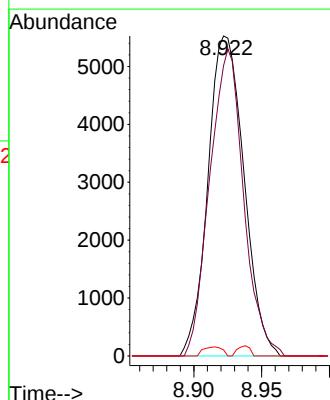
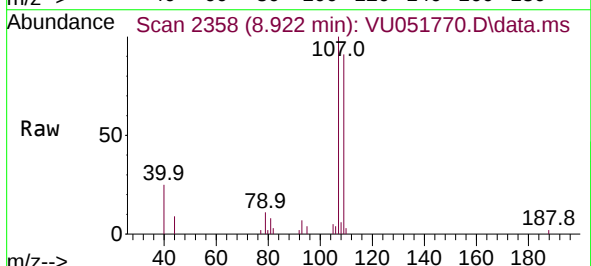
Tgt Ion:107 Resp: 10194

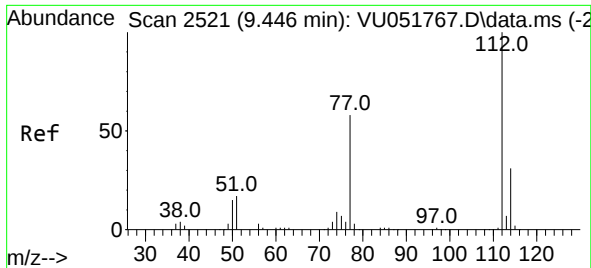
Ion Ratio Lower Upper

107 100

109 90.7 65.8 122.2

188 1.9 2.7 4.1#

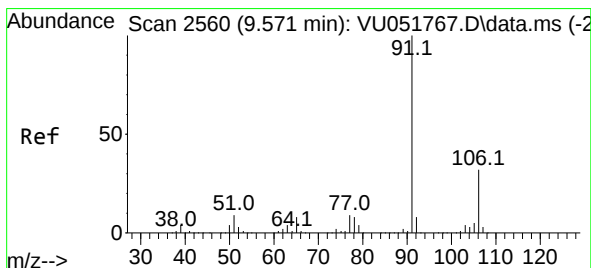
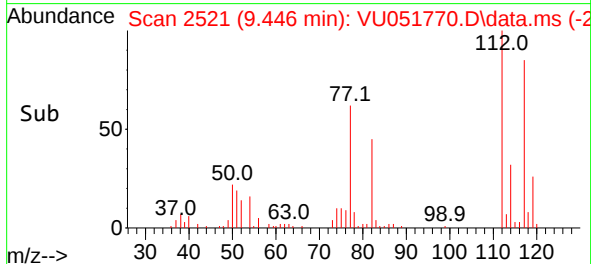
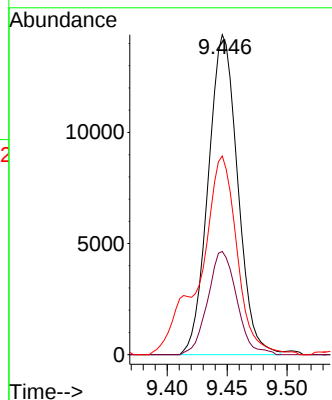
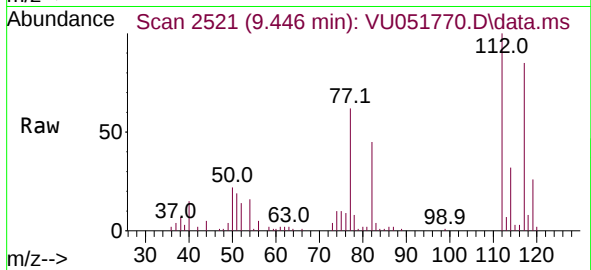




#51
Chlorobenzene
Concen: 2.461 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

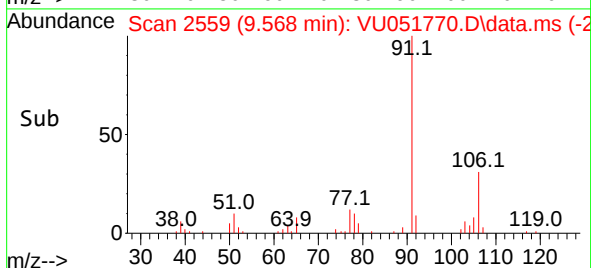
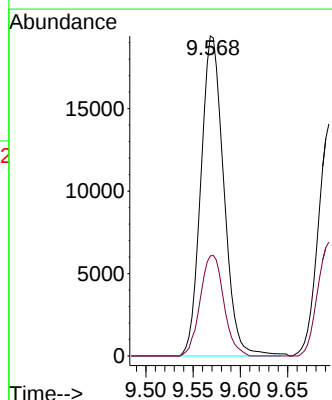
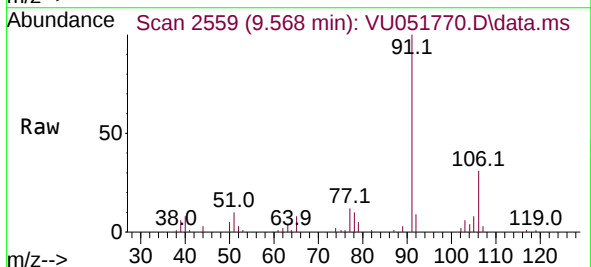
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

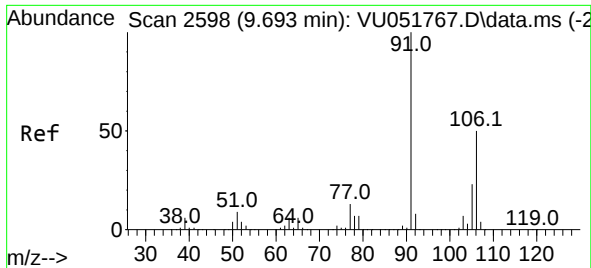
Tgt Ion:112 Resp: 24589
Ion Ratio Lower Upper
112 100
114 32.3 21.9 40.7
77 62.1 47.3 70.9



#52
Ethylbenzene
Concen: 2.124 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion: 91 Resp: 32679
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6

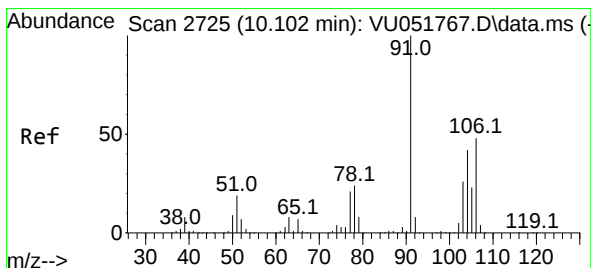
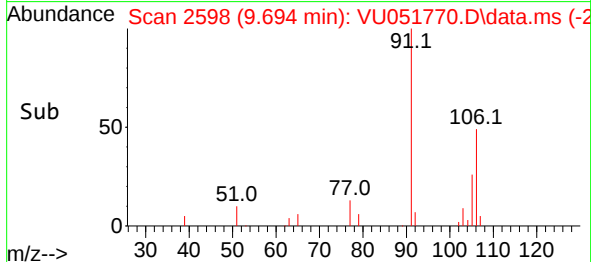
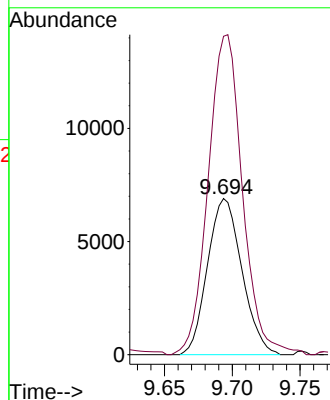
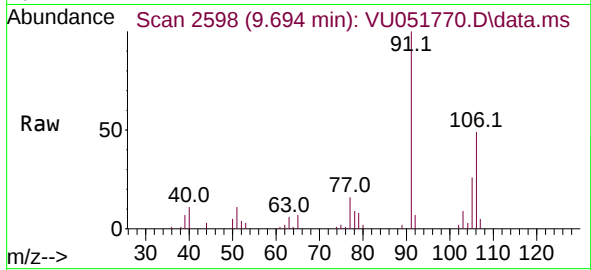




#53
m,p-Xylene
Concen: 2.054 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

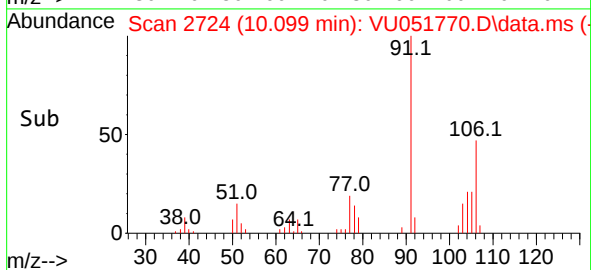
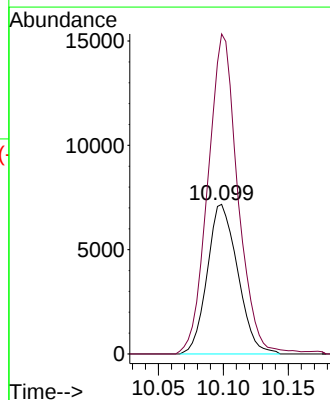
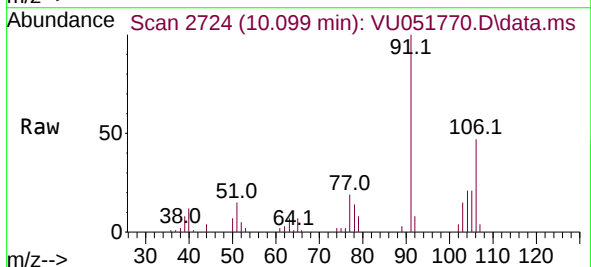
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2022-08

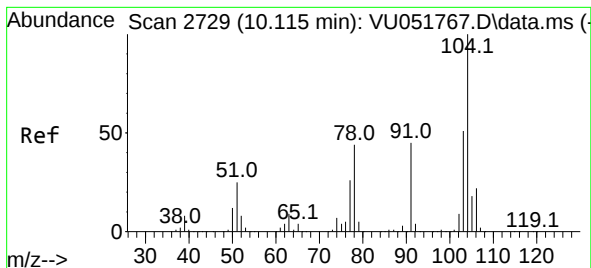
Tgt Ion:106 Resp: 12180
Ion Ratio Lower Upper
106 100
91 203.8 141.3 262.3



#54
o-Xylene
Concen: 1.984 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion:106 Resp: 11672
Ion Ratio Lower Upper
106 100
91 214.0 153.2 284.4





#55

Styrene

Concen: 1.683 ug/L

RT: 10.115 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Instrument :

MSVOA_U

ClientSampleId :

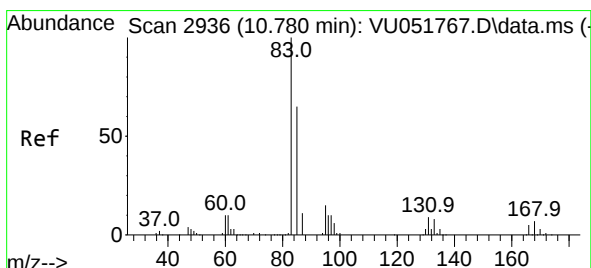
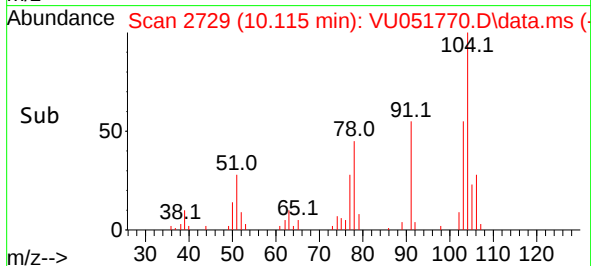
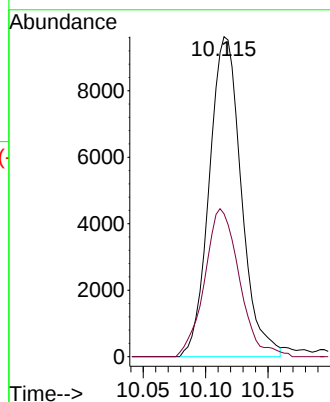
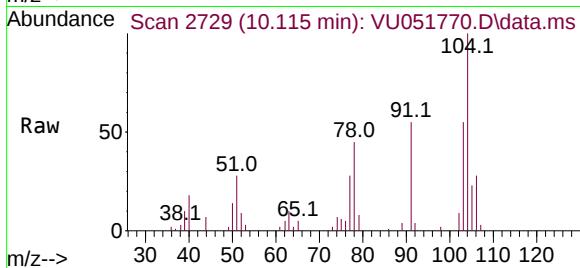
MDL-WATER-QT4-2022-08

Tgt Ion:104 Resp: 17202

Ion Ratio Lower Upper

104 100

78 44.6 31.8 59.0



#57

1,1,2,2-Tetrachloroethane

Concen: 2.431 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

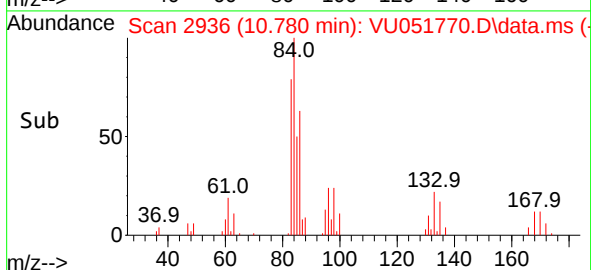
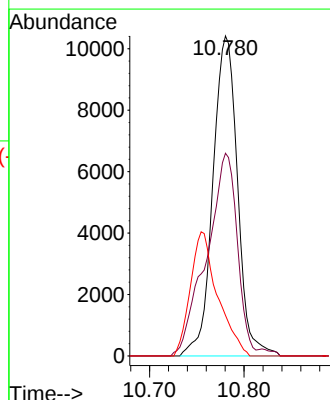
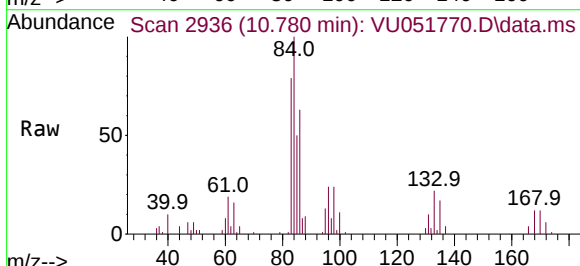
Tgt Ion: 83 Resp: 18876

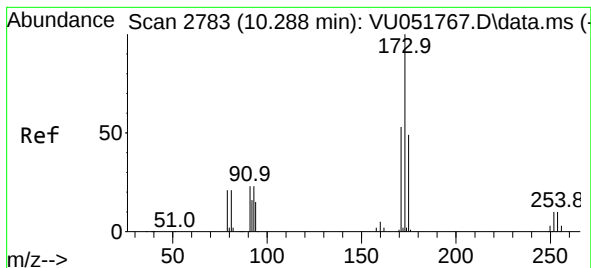
Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.5

131 12.7 7.4 11.2#





#59

Bromoform

Concen: 2.539 ug/L

RT: 10.292 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

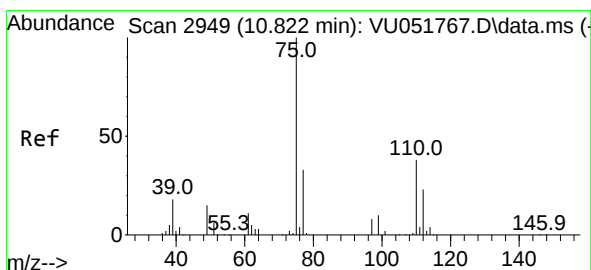
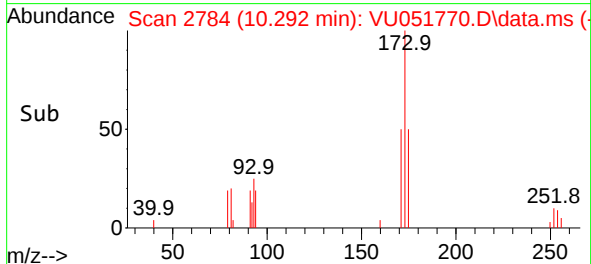
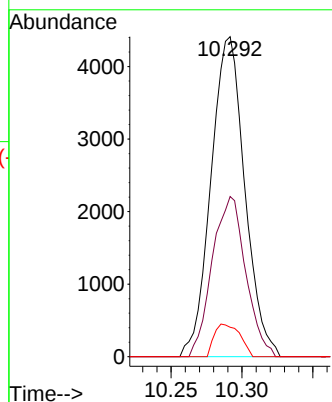
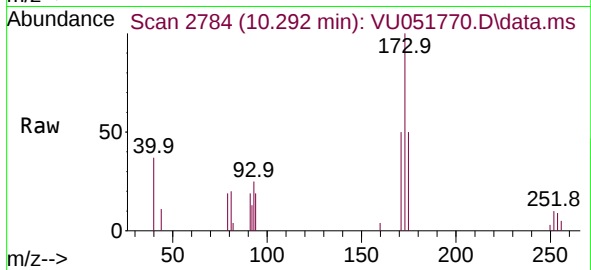
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-08

Tgt Ion:	173	Resp:	7320
Ion Ratio	Lower	Upper	
173	100		
175	49.5	38.4	57.6
254	7.7	7.8	11.6#



#60

1,2,3-Trichloropropane

Concen: 2.463 ug/L

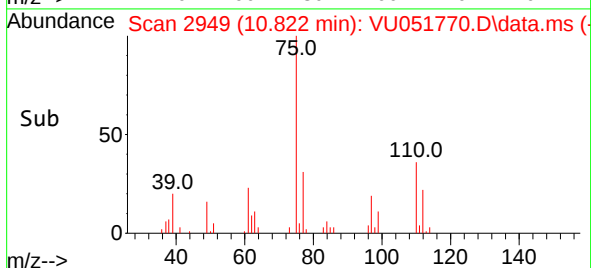
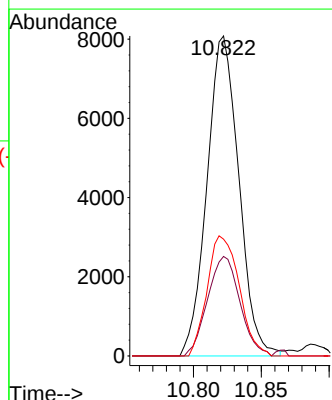
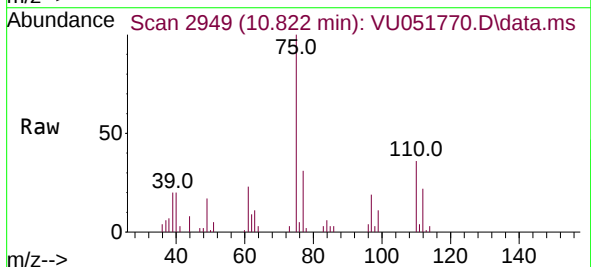
RT: 10.822 min Scan# 2949

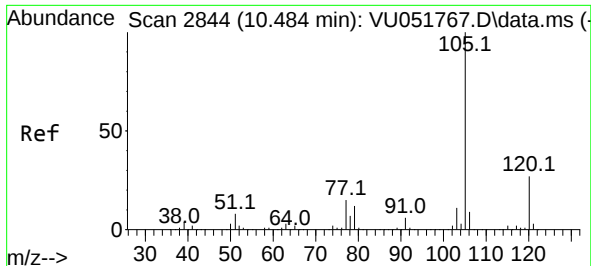
Delta R.T. 0.000 min

Lab File: VU051770.D

Acq: 07 Nov 2022 15:59

Tgt Ion:	75	Resp:	13212
Ion Ratio	Lower	Upper	
75	100		
77	31.5	26.1	39.1
110	37.8	28.7	43.1

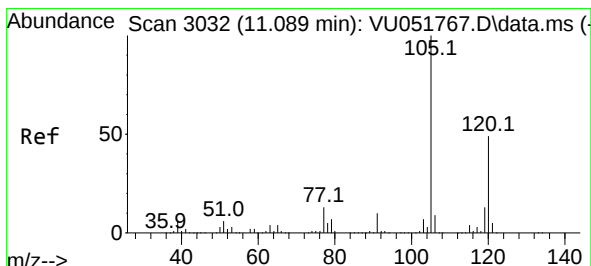
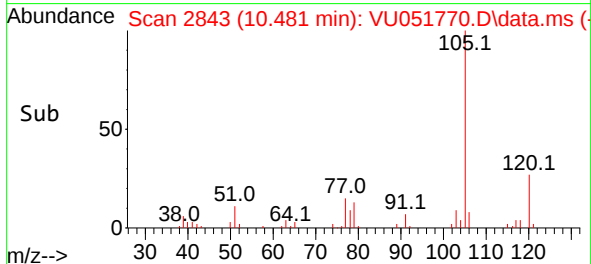
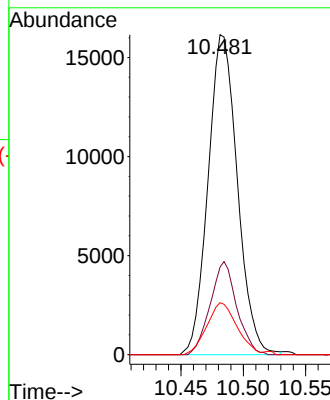
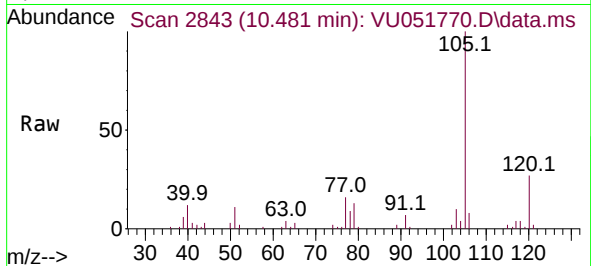




#61
Isopropylbenzene
Concen: 2.032 ug/L
RT: 10.481 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

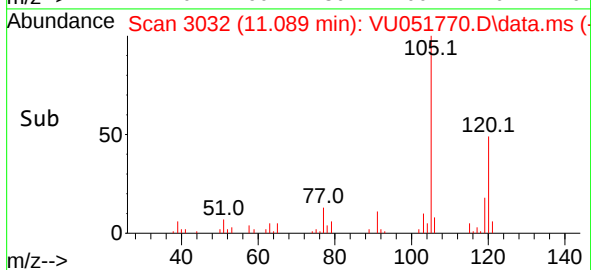
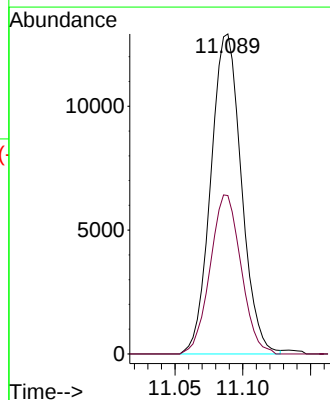
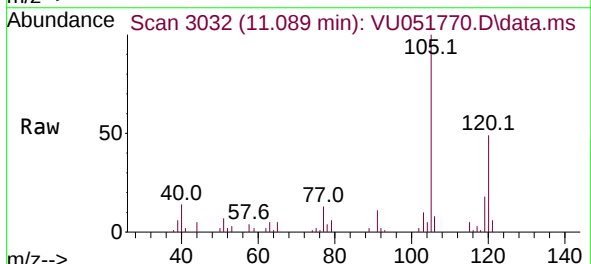
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

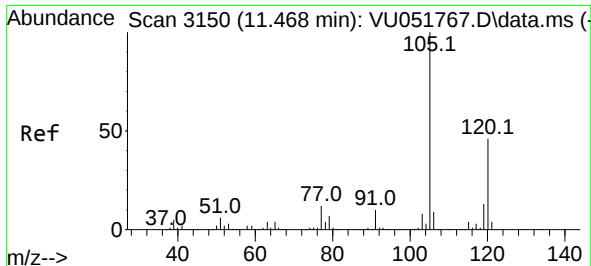
Tgt Ion:105 Resp: 26416
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 16.7 12.6 19.0



#62
1,3,5-Trimethylbenzene
Concen: 1.837 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion:105 Resp: 20280
Ion Ratio Lower Upper
105 100
120 50.2 38.3 57.5

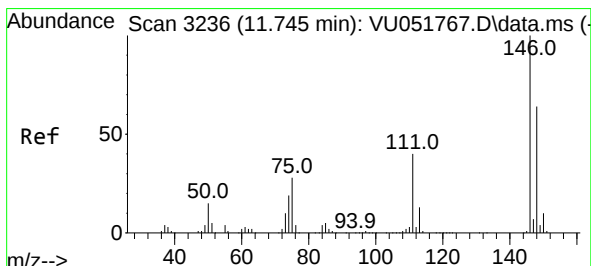
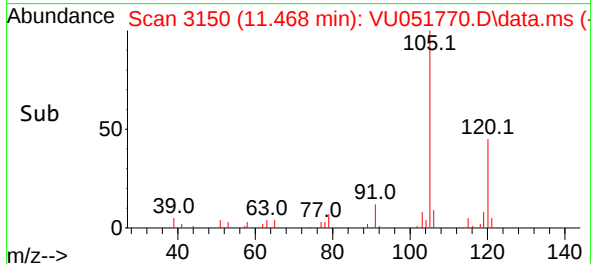
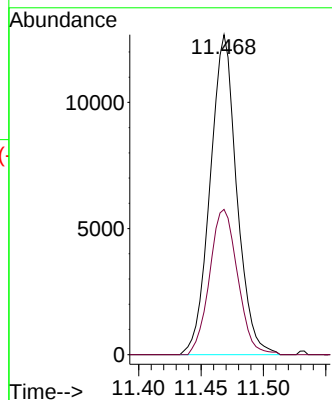
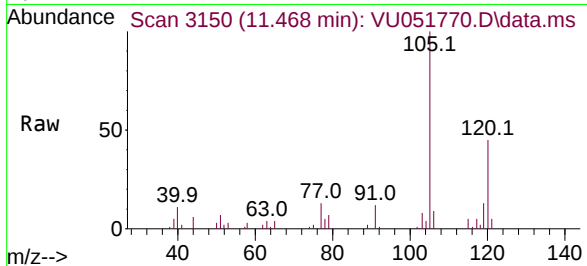




#63
1,2,4-Trimethylbenzene
Concen: 1.736 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

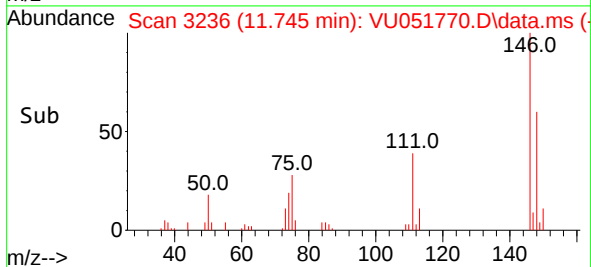
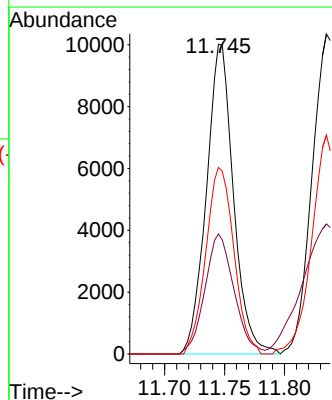
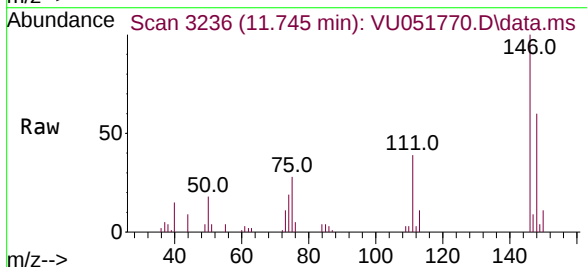
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

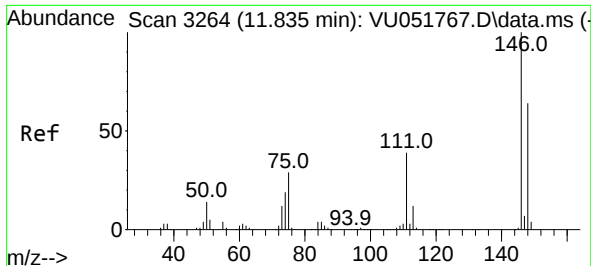
Tgt Ion:105 Resp: 18879
Ion Ratio Lower Upper
105 100
120 47.6 35.4 53.0



#64
1,3-Dichlorobenzene
Concen: 2.377 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion:146 Resp: 15774
Ion Ratio Lower Upper
146 100
111 38.7 28.7 53.3
148 60.2 43.2 80.2

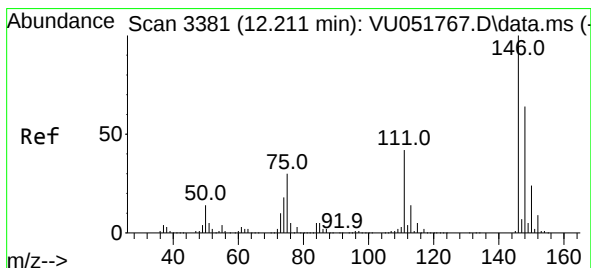
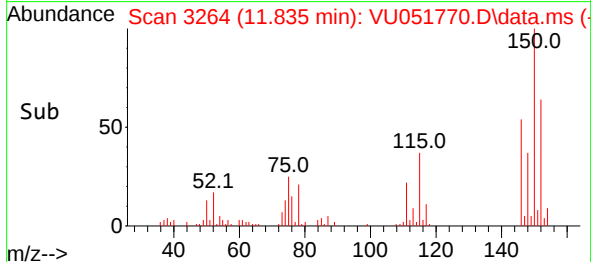
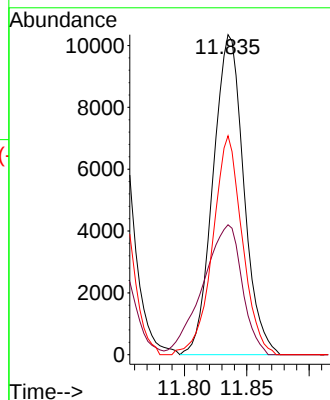
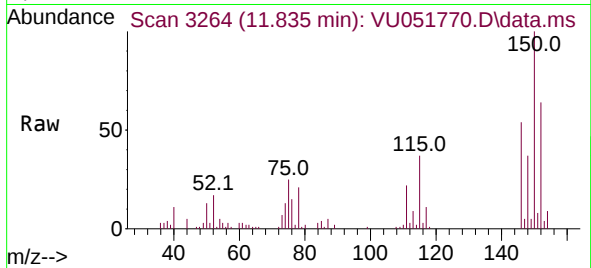




#65
1,4-Dichlorobenzene
Concen: 2.598 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

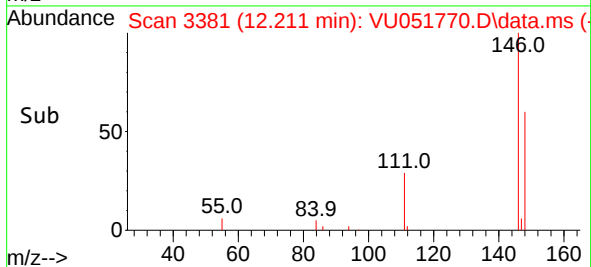
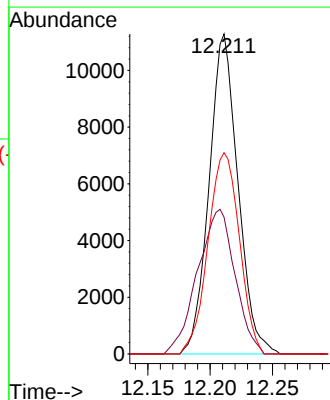
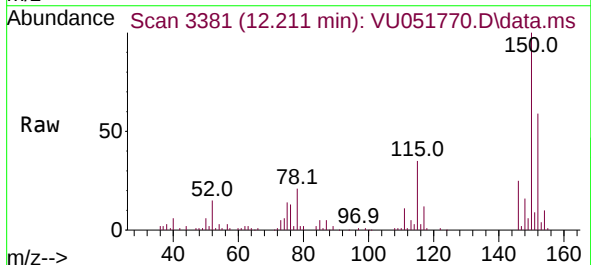
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

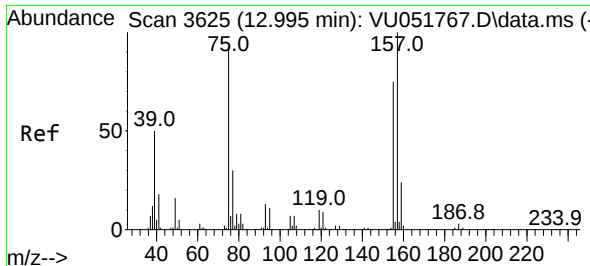
Tgt Ion:146	Resp:	17724
Ion	Ratio	Lower Upper
146	100	
111	40.6	28.9 53.7
148	68.4	44.6 82.8



#67
1,2-Dichlorobenzene
Concen: 2.632 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion:146	Resp:	18189
Ion	Ratio	Lower Upper
146	100	
111	42.7	35.3 52.9
148	62.9	51.1 76.7

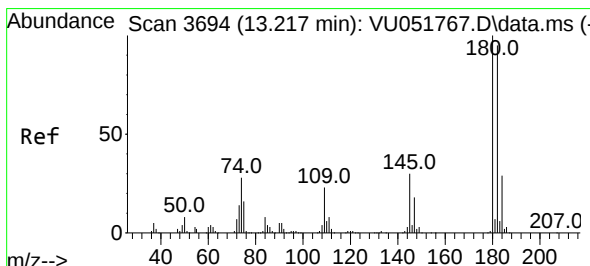
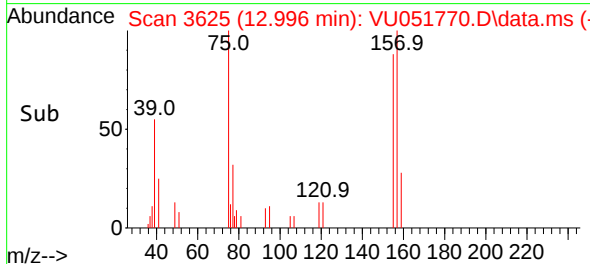
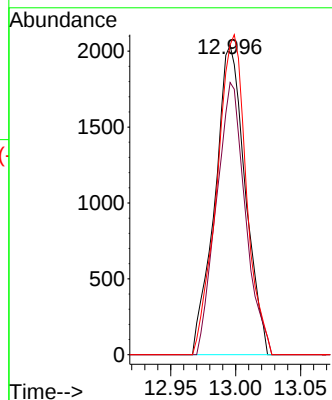
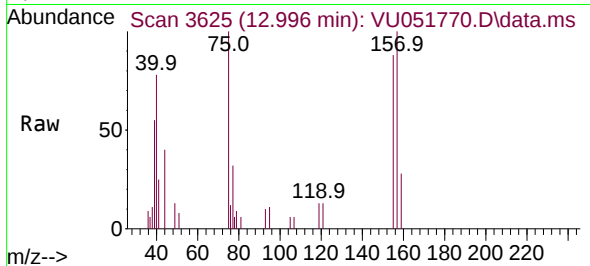




#68
1,2-Dibromo-3-chloropropane
Concen: 2.279 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

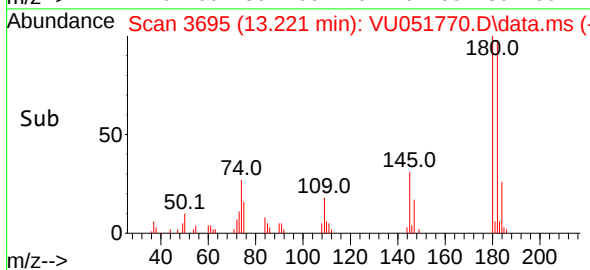
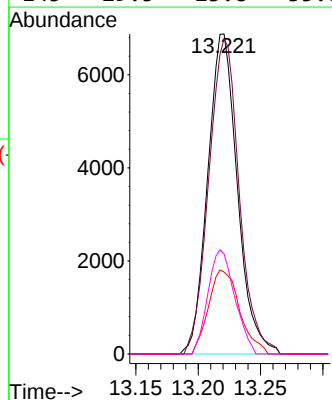
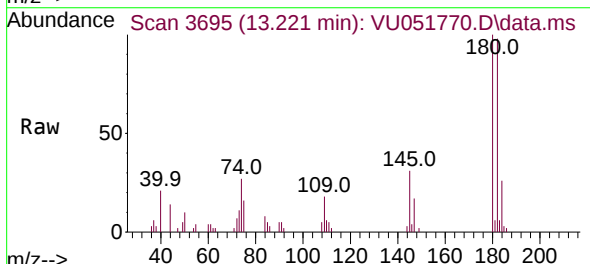
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-08

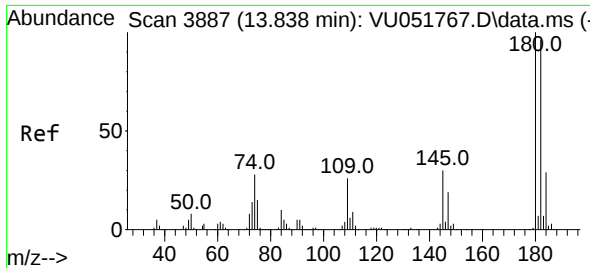
Tgt Ion: 75	Resp:	3299
Ion Ratio	Lower	Upper
75	100	
155	88.0	62.5 93.7
157	100.2	81.6 122.4



#69
1,3,5-Trichlorobenzene
Concen: 2.556 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

Tgt Ion: 180	Resp:	11378
Ion Ratio	Lower	Upper
180	100	
182	101.0	75.6 113.4
184	27.6	23.9 35.9
145	29.5	23.8 35.8

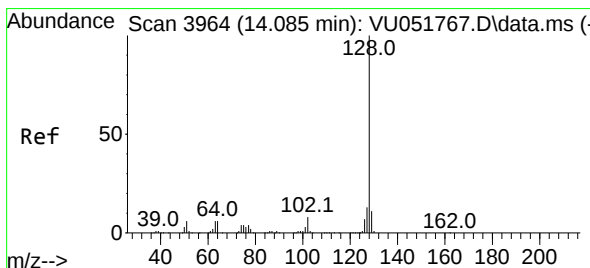
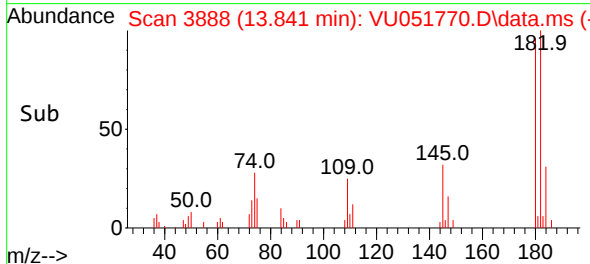
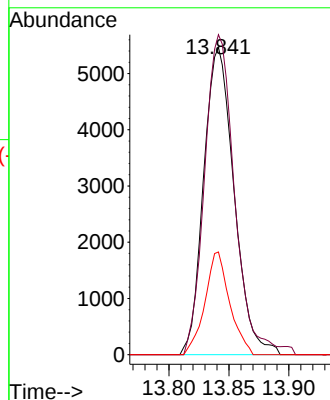
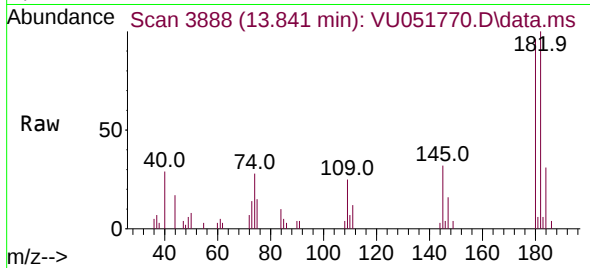




#70
1,2,4-trichlorobenzene
Concen: 2.812 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

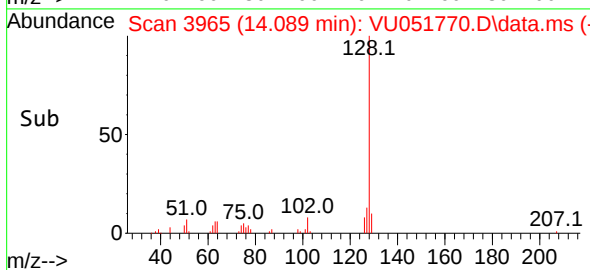
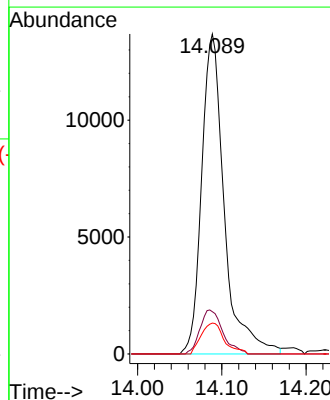
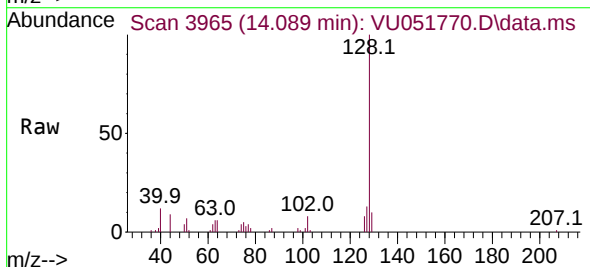
Instrument :
MSVOA_U
ClientSampleId :
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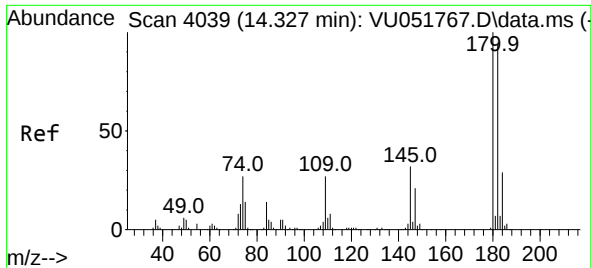
Tgt Ion:180 Resp: 9636
Ion Ratio Lower Upper
180 100
182 102.2 76.2 114.4
145 27.2 25.0 37.6



#71
Naphthalene
Concen: 2.332 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU051770.D
Acq: 07 Nov 2022 15:59

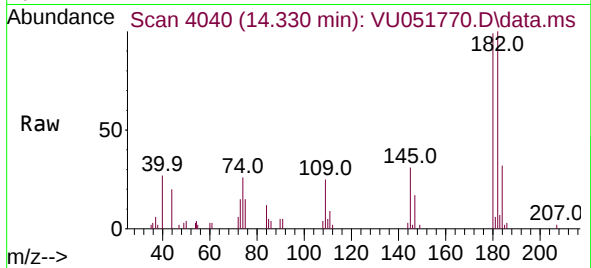
Tgt Ion:128 Resp: 25578
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 9.8 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 2.662 ug/L
 RT: 14.330 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU051770.D
 Acq: 07 Nov 2022 15:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2022-08



Tgt Ion:	180	Resp:	9791
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.4	113.2
145	31.3	25.3	37.9

