

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021122\
 Data File : VU047121.D
 Acq On : 11 Feb 2022 17:32
 Operator : SY/MD
 Sample : N1331-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2022-01

Quant Time: Feb 12 01:29:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 12 01:25:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	443172	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	410498	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	214014	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	151957	37.754	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.500%
7) Chloroethane-d5	1.919	69	128540	43.081	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.160%
11) 1,1-Dichloroethene-d2	2.575	63	210309	31.531	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.060%
21) 2-Butanone-d5	4.633	46	370707	118.758	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.760%
24) Chloroform-d	5.067	84	290409	44.445	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.880%
26) 1,2-Dichloroethane-d4	5.703	65	196412	46.833	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.660%
32) Benzene-d6	5.729	84	610892	44.763	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.520%
36) 1,2-Dichloropropane-d6	6.694	67	205750	46.489	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.980%
41) Toluene-d8	7.899	98	577467	44.441	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.880%
43) trans-1,3-Dichloroprop...	8.182	79	103719	44.720	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.440%
47) 2-Hexanone-d5	8.633	63	271916	107.244	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.240%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	309988	48.036	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.080%
66) 1,2-Dichlorobenzene-d4	12.192	152	234746	46.249	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	8117	1.966	ug/L	96
3) Chloromethane	1.530	50	9139	2.237	ug/L	97
5) Vinyl chloride	1.607	62	8935	2.170	ug/L #	71
6) Bromomethane	1.864	94	4776	1.994	ug/L	91
8) Chloroethane	1.938	64	5028	2.118	ug/L	93
9) Trichlorofluoromethane	2.144	101	9731	2.041	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	7340	2.499	ug/L	86
12) 1,1-Dichloroethene	2.585	96	7200	2.498	ug/L #	1
13) Acetone	2.649	43	10706	4.708	ug/L	72
14) Carbon disulfide	2.800	76	18064	1.997	ug/L	98
15) Methyl Acetate	2.961	43	8833	2.308	ug/L	97
16) Methylene chloride	3.054	84	7605	2.385	ug/L	94
17) trans-1,2-Dichloroethene	3.366	96	6244	2.062	ug/L	86
18) Methyl tert-butyl Ether	3.369	73	20124	1.965	ug/L #	91
19) 1,1-Dichloroethane	3.877	63	11511	2.024	ug/L	97
20) cis-1,2-Dichloroethene	4.674	96	7873	2.351	ug/L	95
22) 2-Butanone	4.720	43	12223	4.006	ug/L	72
23) Bromochloromethane	4.980	128	3263	1.837	ug/L	95
27) 1,2-Dichloroethane	5.797	62	9399	2.124	ug/L	97

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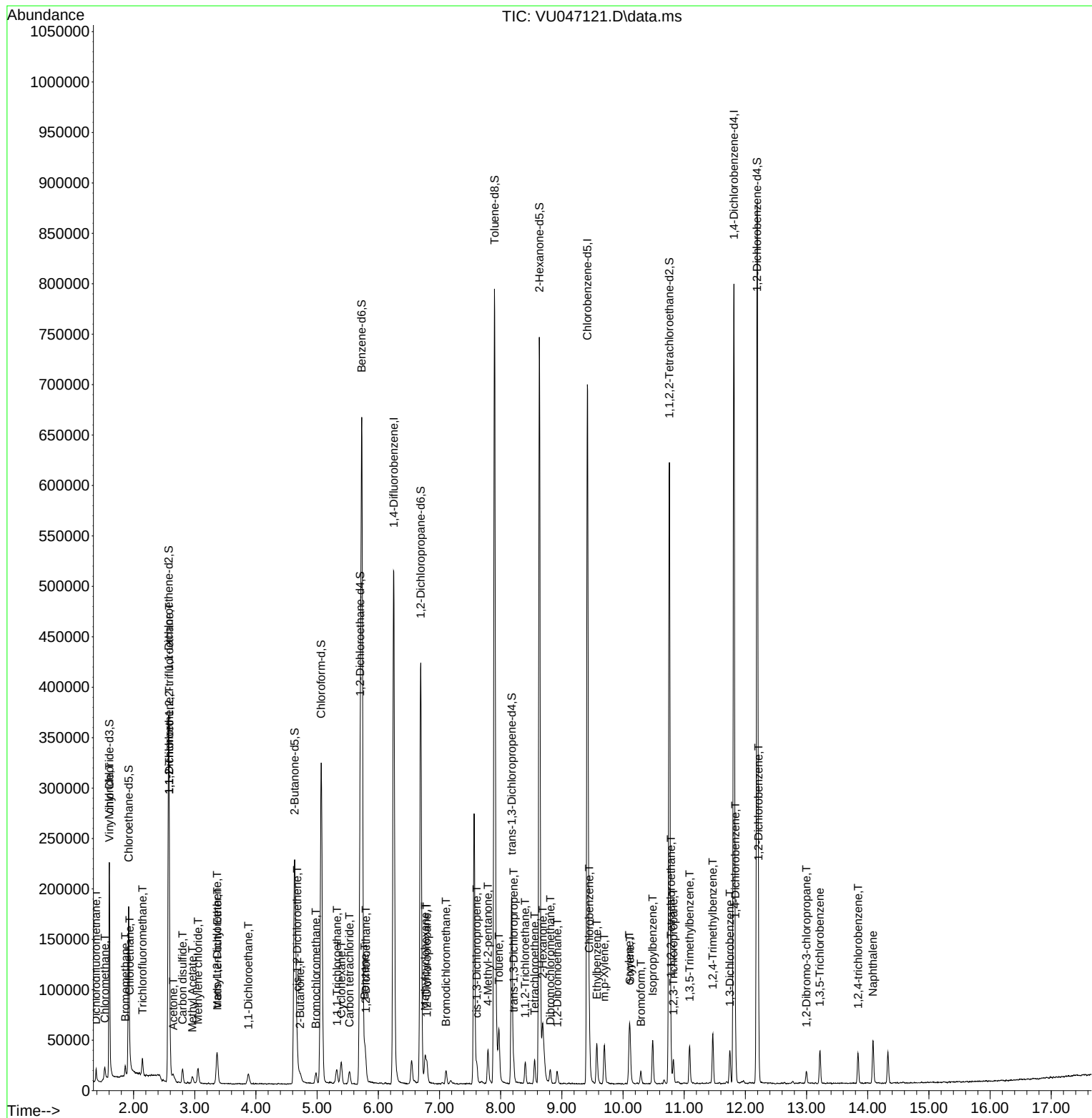
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.395	56	10988	2.042	ug/L	89
30) 1,1,1-Trichloroethane	5.324	97	10277	2.090	ug/L	96
31) Carbon tetrachloride	5.530	117	8525	2.000	ug/L	98
33) Benzene	5.777	78	26062	2.036	ug/L	100
35) Methylcyclohexane	6.768	83	10282	1.843	ug/L	90
37) 1,2-Dichloropropane	6.797	63	7319	2.134	ug/L #	94
38) Bromodichloromethane	7.105	83	8940	2.045	ug/L	93
39) cis-1,3-Dichloropropene	7.610	75	11152	2.001	ug/L	95
40) 4-Methyl-2-pentanone	7.793	43	23342	4.298	ug/L #	95
42) Toluene	7.970	91	36719	2.611	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	10989	2.052	ug/L	95
45) 1,1,2-Trichloroethane	8.401	97	6647	2.058	ug/L	93
46) Tetrachloroethene	8.555	164	5465	2.043	ug/L	94
48) 2-Hexanone	8.687	43	40674	9.056	ug/L #	90
49) Dibromochloromethane	8.813	129	7147	1.912	ug/L	99
50) 1,2-Dibromoethane	8.925	107	7057	1.967	ug/L	98
51) Chlorobenzene	9.449	112	17843	1.979	ug/L	96
52) Ethylbenzene	9.571	91	31329	2.036	ug/L	98
53) m,p-Xylene	9.694	106	11920	1.952	ug/L	98
54) o-xylene	10.102	106	11483	1.910	ug/L	97
55) Styrene	10.115	104	19384	1.874	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.784	83	12831	2.253	ug/L #	90
59) Bromoform	10.292	173	5249	1.807	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	9884	2.166	ug/L	97
61) Isopropylbenzene	10.485	105	29397	1.954	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	20131	1.888	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	25645	1.981	ug/L	97
64) 1,3-Dichlorobenzene	11.748	146	13440	1.915	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	13893	1.969	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	14121	2.021	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	3280	2.257	ug/L	98
69) 1,3,5-Trichlorobenzene	13.218	180	9980	1.838	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	9131	1.774	ug/L	97
71) Naphthalene	14.086	128	34065	1.870	ug/L	99

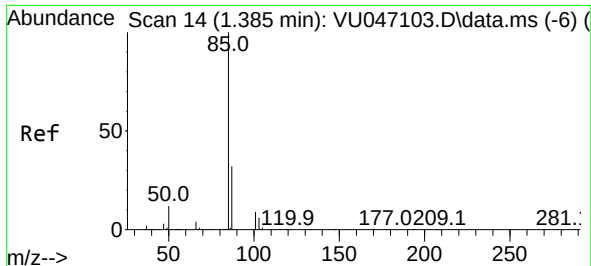
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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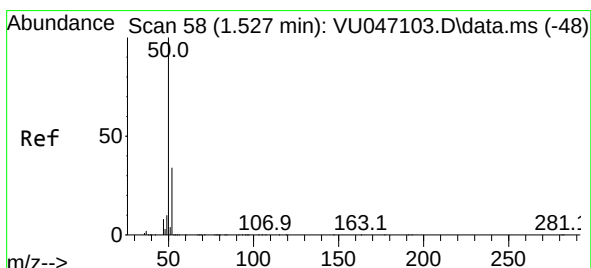
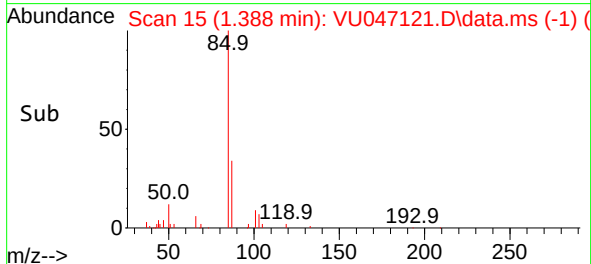
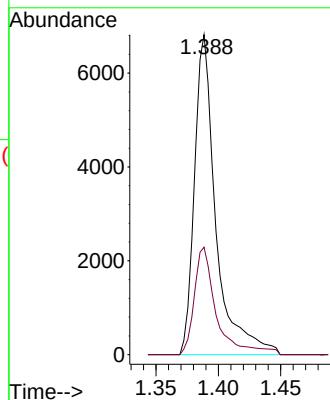
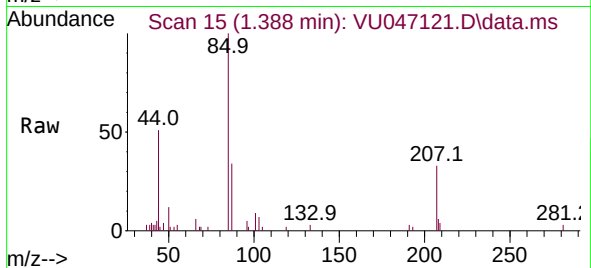




#2
Dichlorodifluoromethane
Concen: 1.966 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

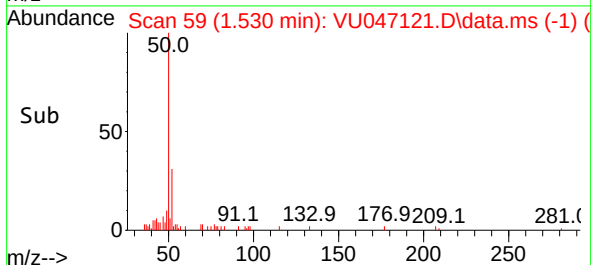
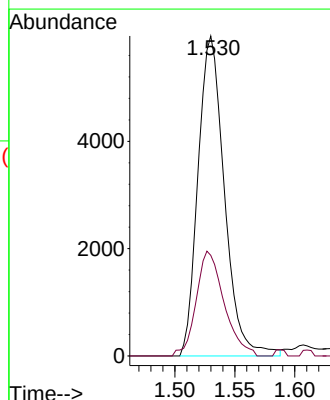
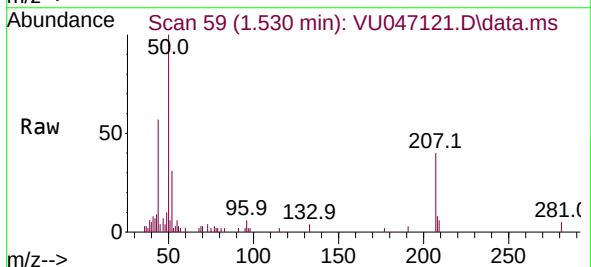
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2022-01

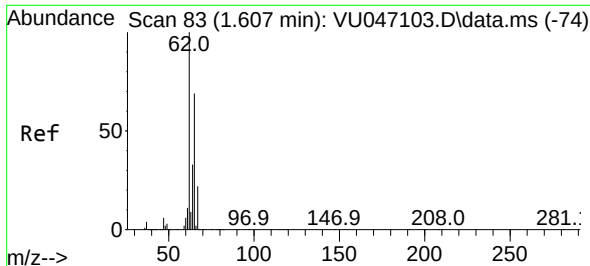
Tgt Ion: 85 Resp: 8117
Ion Ratio Lower Upper
85 100
87 34.4 25.6 38.4



#3
Chloromethane
Concen: 2.237 ug/L
RT: 1.530 min Scan# 59
Delta R.T. 0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion: 50 Resp: 9139
Ion Ratio Lower Upper
50 100
52 31.5 23.2 43.2

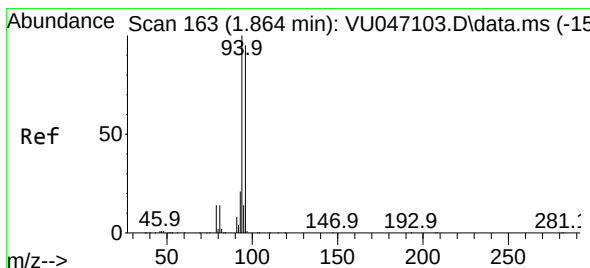
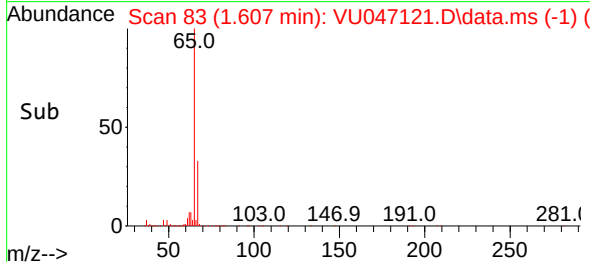
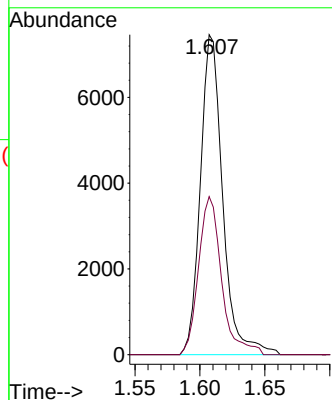
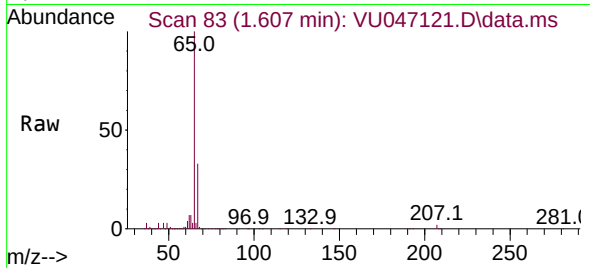




#5
 Vinyl chloride
 Concen: 2.170 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047121.D
 Acq: 11 Feb 2022 17:32

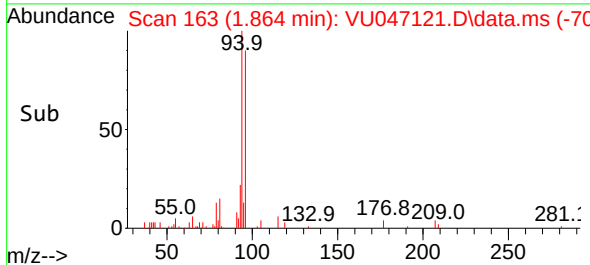
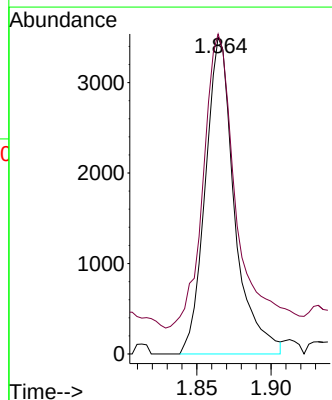
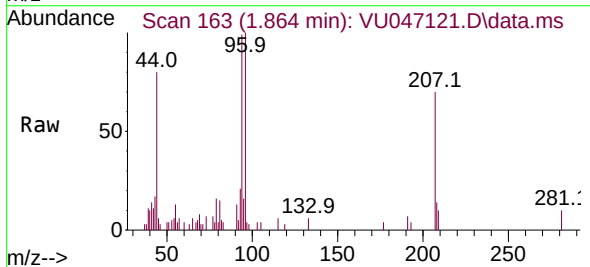
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2022-01

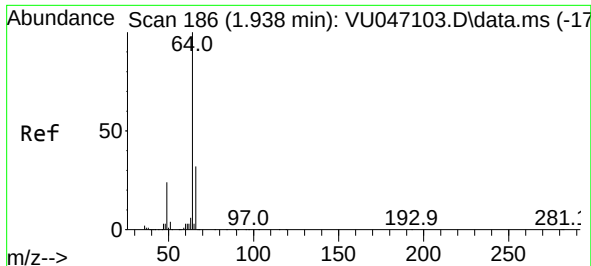
Tgt Ion: 62 Resp: 8935
 Ion Ratio Lower Upper
 62 100
 64 49.4 23.1 42.9#



#6
 Bromomethane
 Concen: 1.994 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU047121.D
 Acq: 11 Feb 2022 17:32

Tgt Ion: 94 Resp: 4776
 Ion Ratio Lower Upper
 94 100
 96 101.1 64.4 119.6

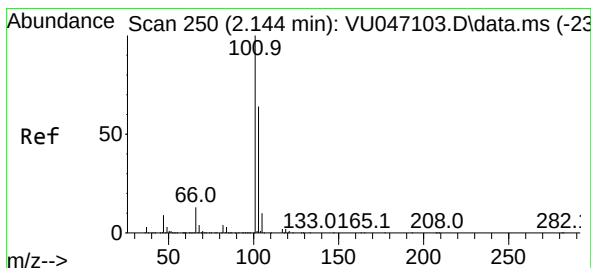
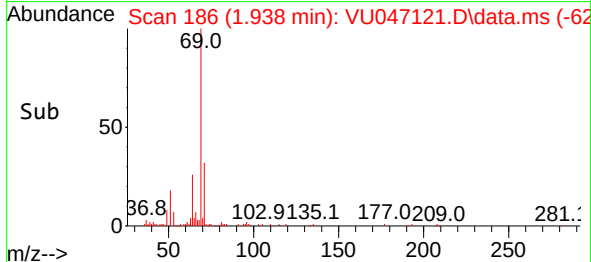
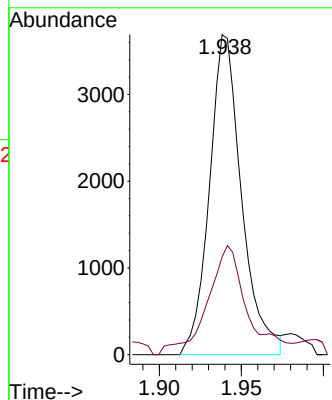
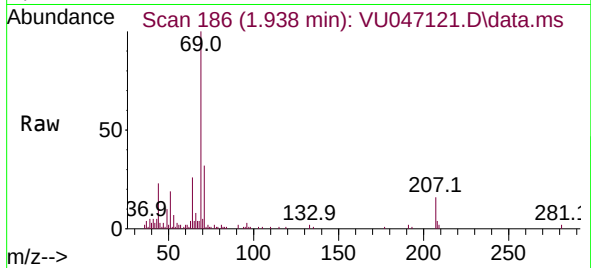




#8
Chloroethane
Concen: 2.118 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

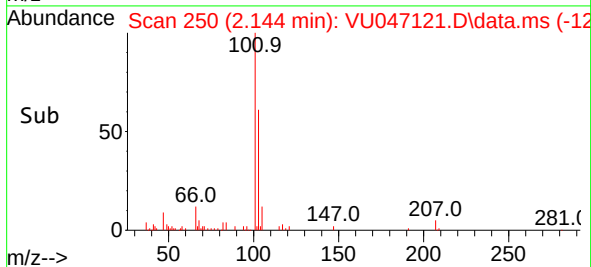
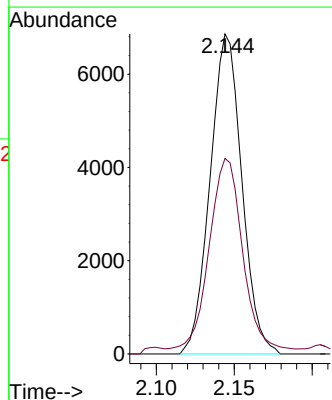
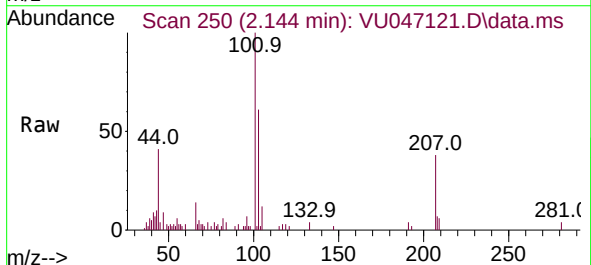
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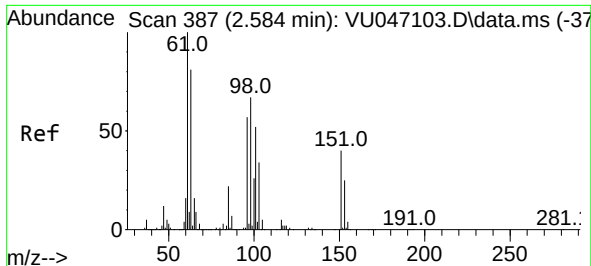
Tgt Ion: 64 Resp: 5028
Ion Ratio Lower Upper
64 100
66 30.5 24.4 45.2



#9
Trichlorofluoromethane
Concen: 2.041 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion: 101 Resp: 9731
Ion Ratio Lower Upper
101 100
103 66.6 52.0 78.0





#10

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

Concen: 2.499 ug/L

RT: 2.585 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

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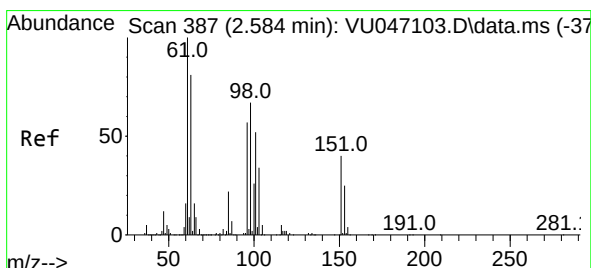
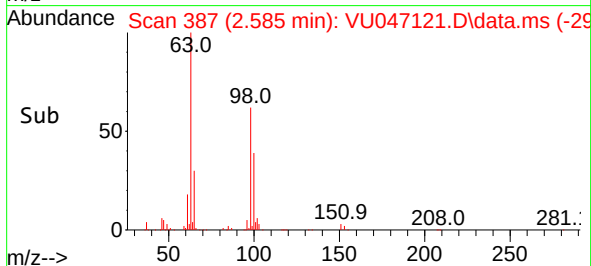
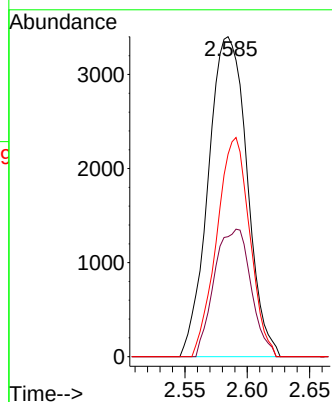
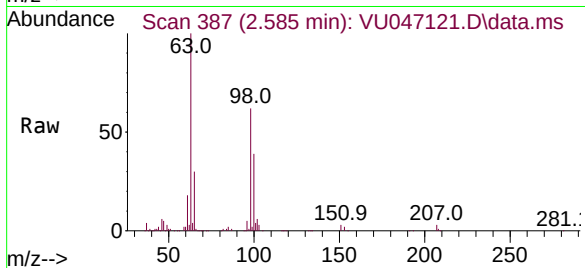
Tgt Ion:101 Resp: 7340

Ion Ratio Lower Upper

101 100

85 37.8 34.9 52.3

151 58.5 58.3 87.5



#12

1,1-Dichloroethene

Concen: 2.498 ug/L

RT: 2.585 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

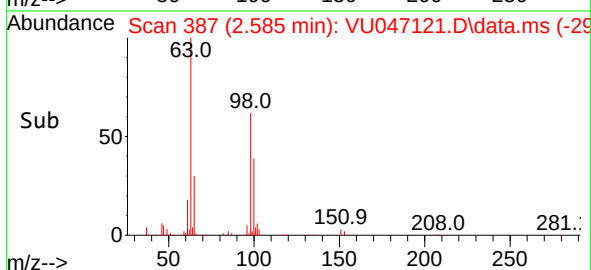
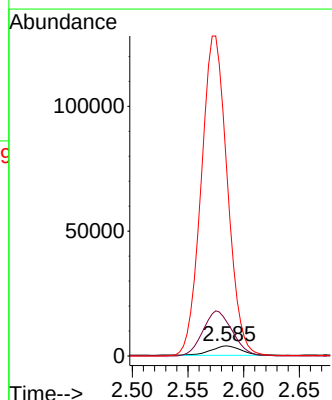
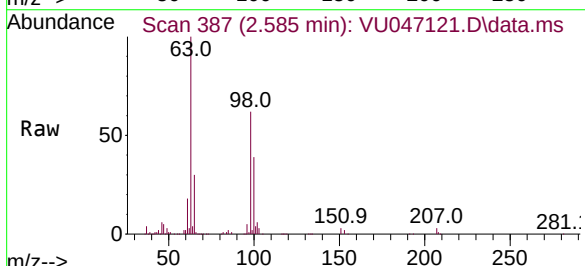
Tgt Ion: 96 Resp: 7200

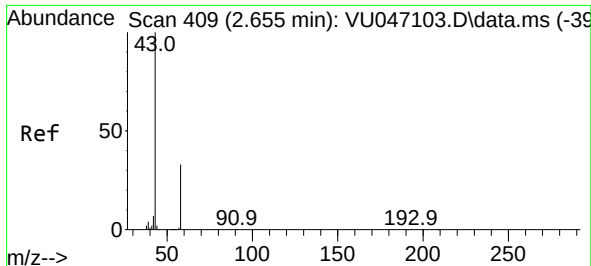
Ion Ratio Lower Upper

96 100

61 341.1 114.9 213.3#

63 1874.7 86.0 159.8#





#13

Acetone

Concen: 4.708 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.006 min

Lab File: VU047121.D

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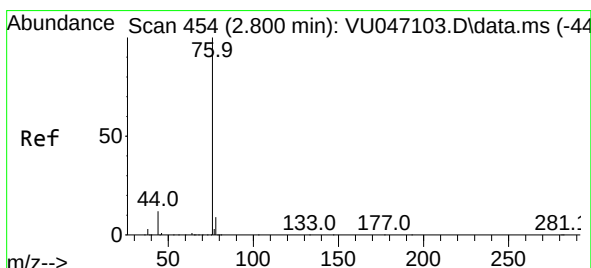
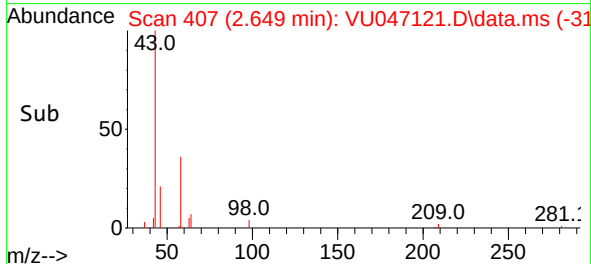
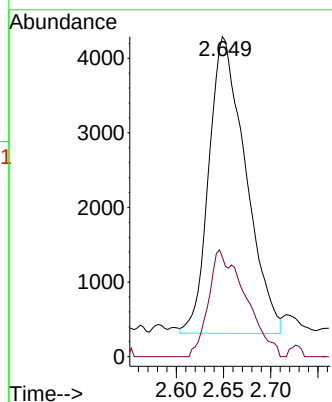
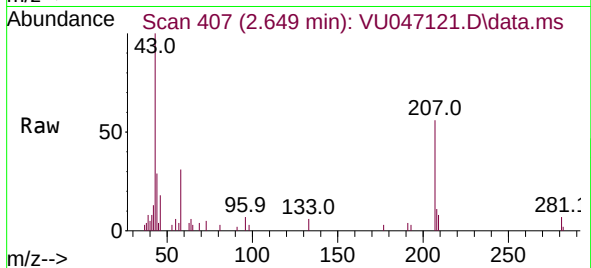
MDL-WATER-QT1-2022-01

Tgt Ion: 43 Resp: 10706

Ion Ratio Lower Upper

43 100

58 18.8 0.0 71.0



#14

Carbon disulfide

Concen: 1.997 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047121.D

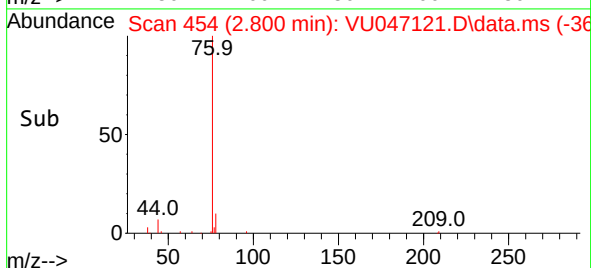
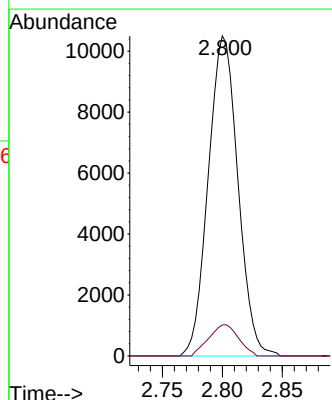
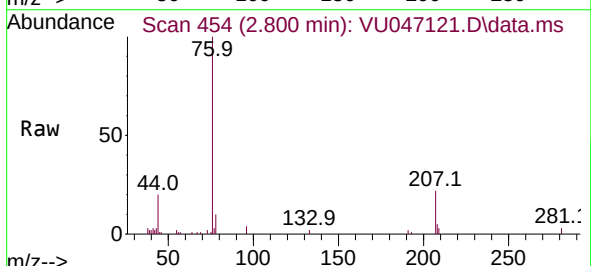
Acq: 11 Feb 2022 17:32

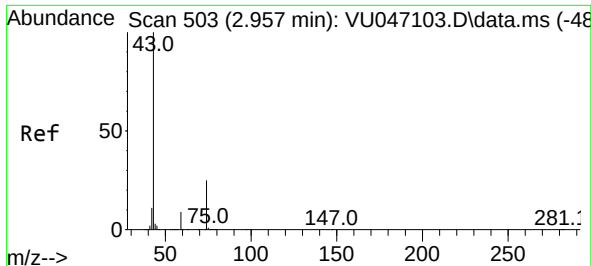
Tgt Ion: 76 Resp: 18064

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7

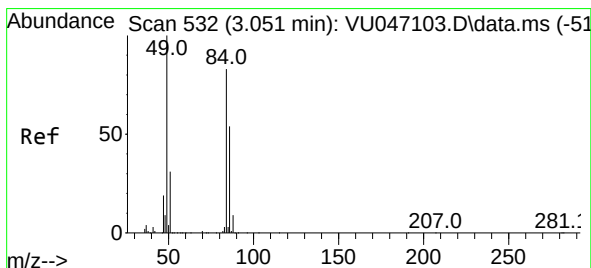
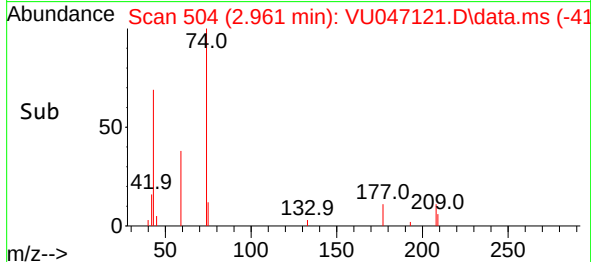
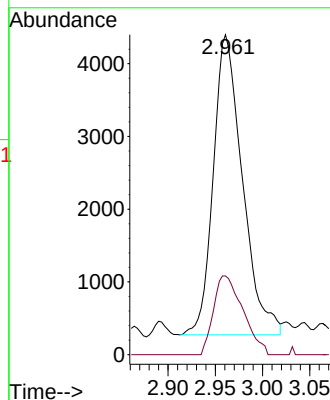
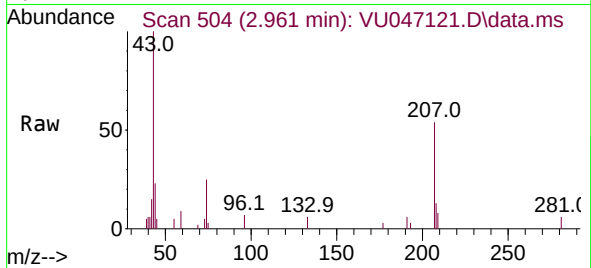




#15
Methyl Acetate
Concen: 2.308 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

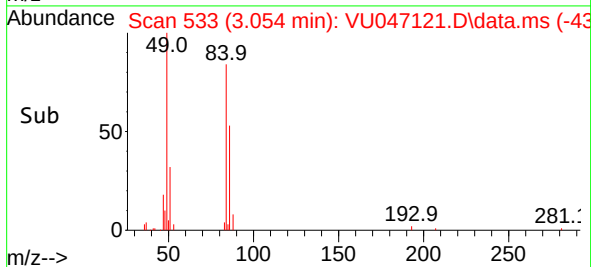
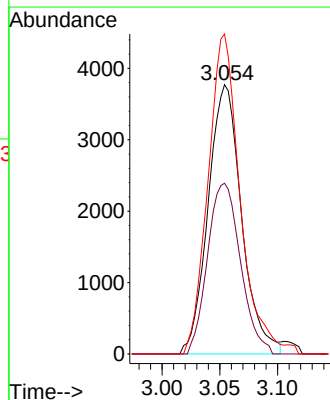
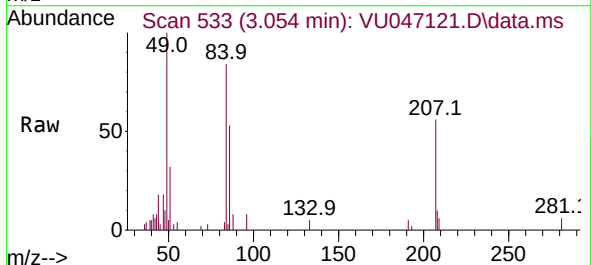
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2022-01

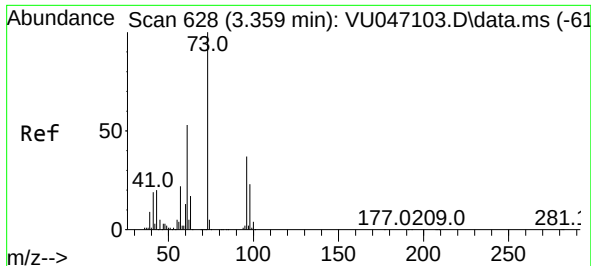
Tgt Ion: 43 Resp: 8833
Ion Ratio Lower Upper
43 100
74 26.6 22.3 33.5



#16
Methylene chloride
Concen: 2.385 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion: 84 Resp: 7605
Ion Ratio Lower Upper
84 100
86 63.4 44.7 82.9
49 118.8 75.9 141.1

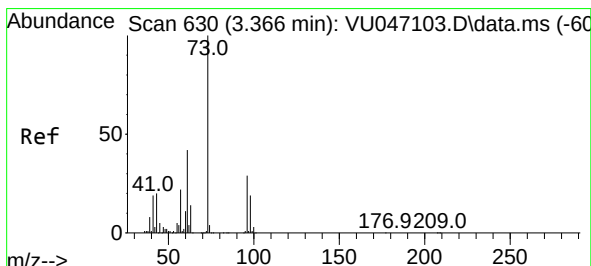
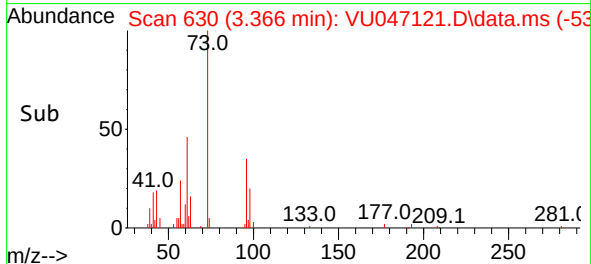
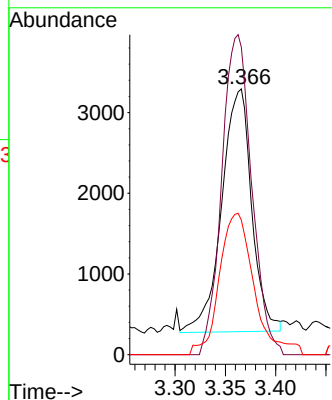
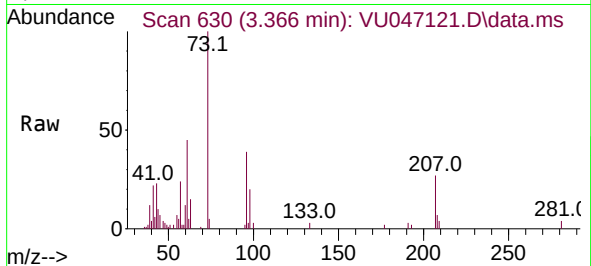




#17
trans-1,2-Dichloroethene
Concen: 2.062 ug/L
RT: 3.366 min Scan# 611
Delta R.T. 0.006 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

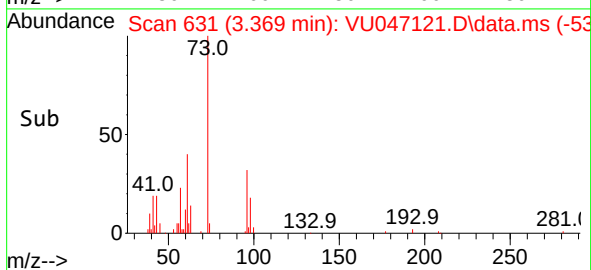
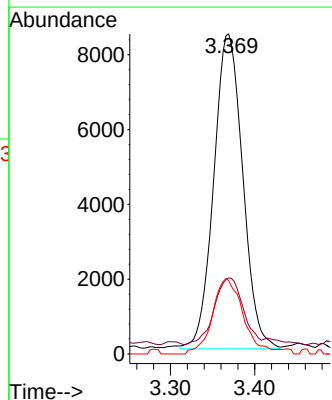
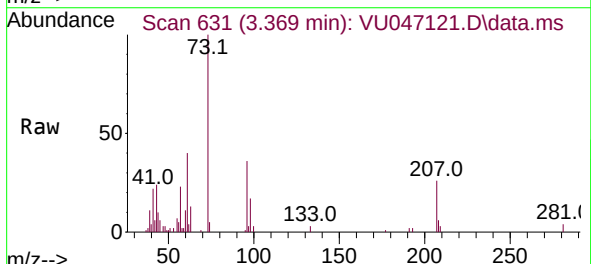
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2022-01

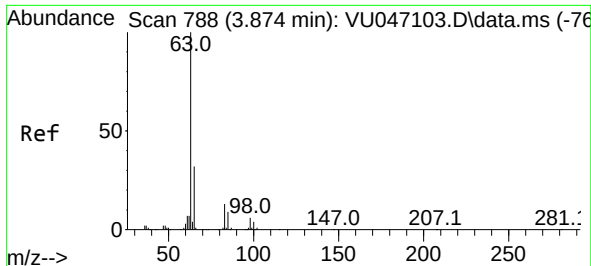
Tgt Ion: 96 Resp: 6244
Ion Ratio Lower Upper
96 100
61 115.8 92.5 171.9
98 50.7 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 1.965 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion: 73 Resp: 20124
Ion Ratio Lower Upper
73 100
43 20.9 14.1 21.1
57 25.1 16.4 24.6#

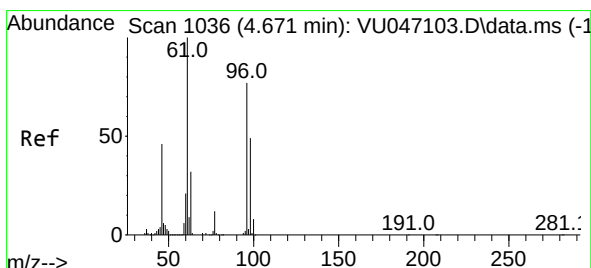
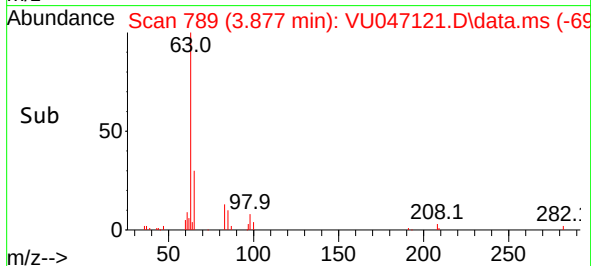
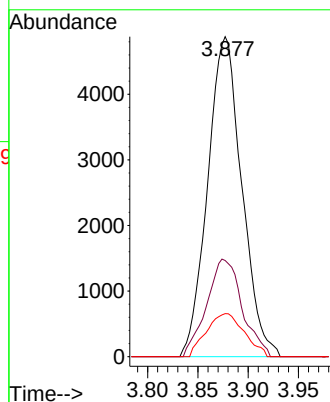
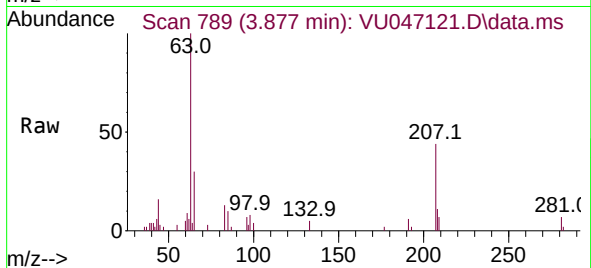




#19
1,1-Dichloroethane
Concen: 2.024 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

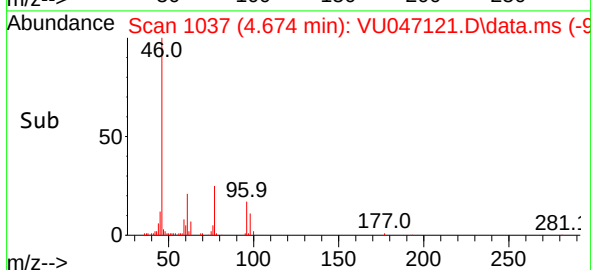
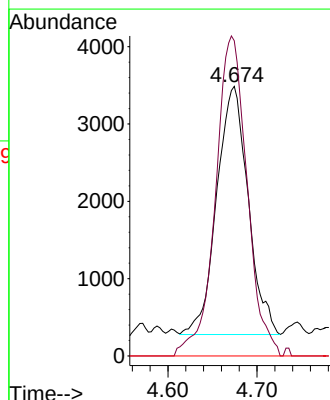
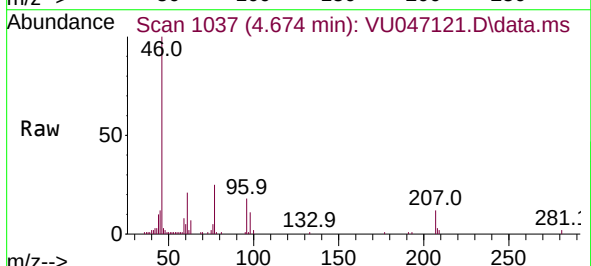
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2022-01

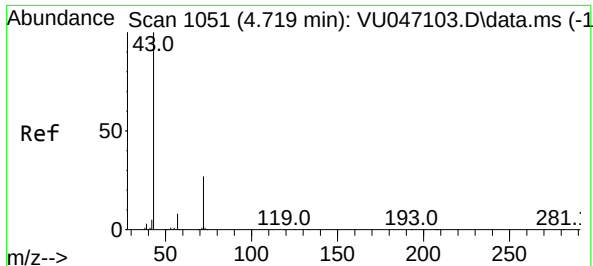
Tgt Ion: 63	Resp: 11511
Ion Ratio	Lower Upper
63	100
65	30.0 22.8 42.4
83	13.5 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 2.351 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion: 96	Resp: 7873
Ion Ratio	Lower Upper
96	100
61	116.9 86.0 159.6
68	0.0 0.0 0.0





#22

2-Butanone

Concen: 4.006 ug/L

RT: 4.720 min Scan# 1051

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

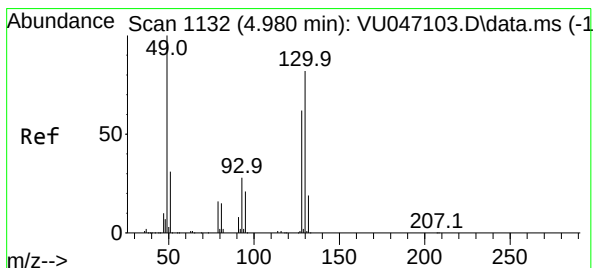
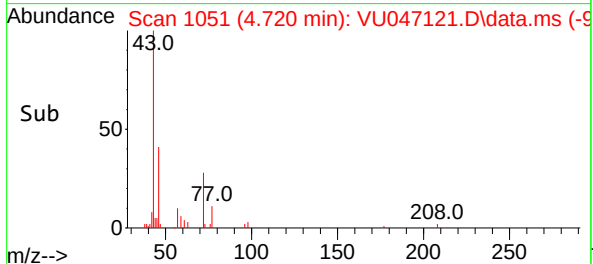
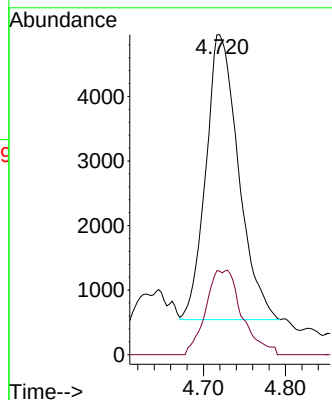
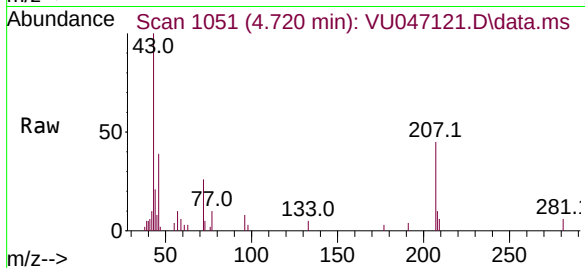
MDL-WATER-QT1-2022-01

Tgt Ion: 43 Resp: 12223

Ion Ratio Lower Upper

43 100

72 15.6 15.6 46.8



#23

Bromochloromethane

Concen: 1.837 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Tgt Ion:128 Resp: 3263

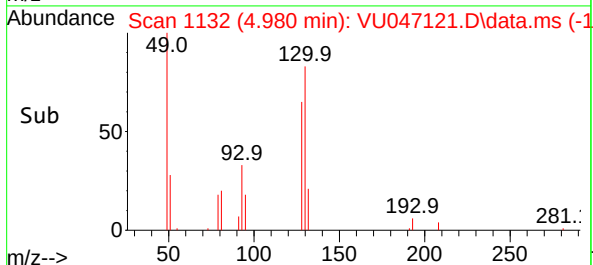
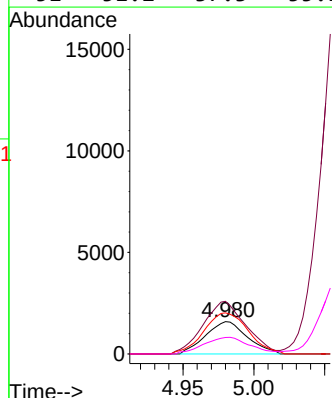
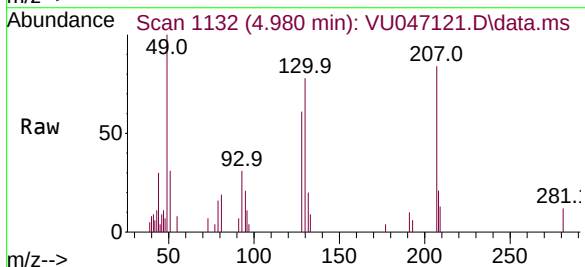
Ion Ratio Lower Upper

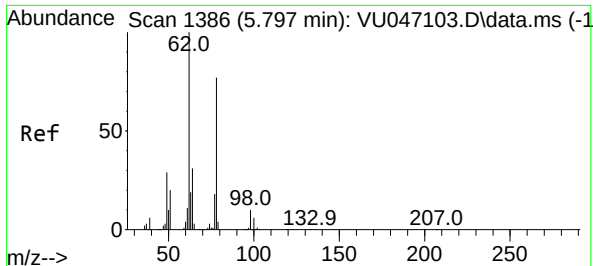
128 100

49 162.8 105.4 195.8

130 126.9 88.7 164.7

51 51.2 37.3 55.9





#27

1,2-Dichloroethane

Concen: 2.124 ug/L

RT: 5.797 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

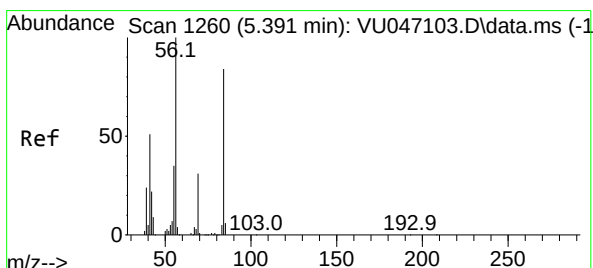
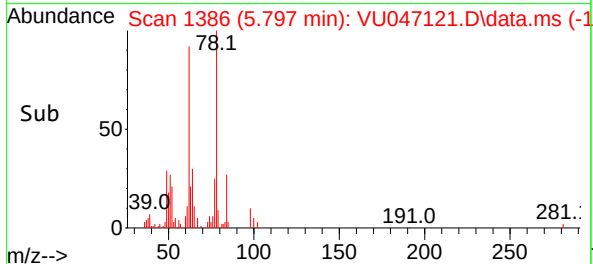
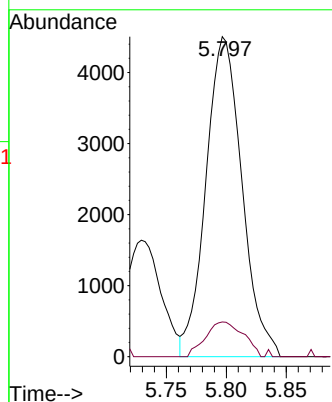
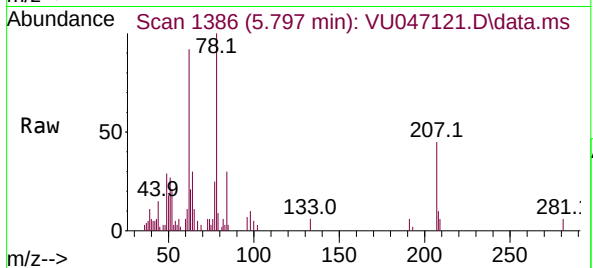
MDL-WATER-QT1-2022-01

Tgt Ion: 62 Resp: 9399

Ion Ratio Lower Upper

62 100

98 10.9 7.7 11.5



#29

Cyclohexane

Concen: 2.042 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.003 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

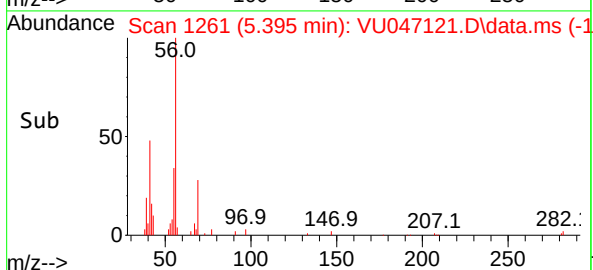
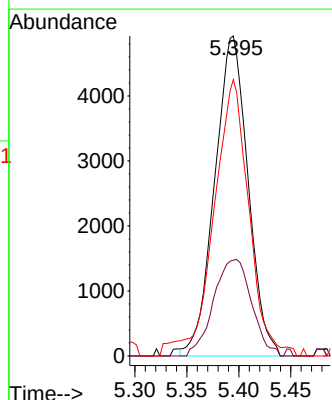
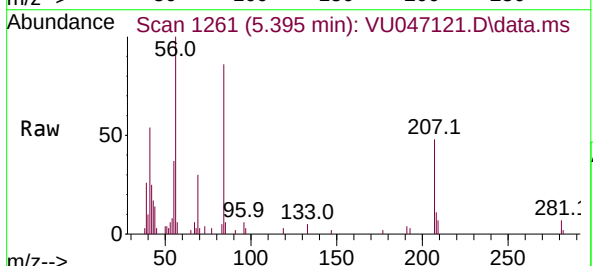
Tgt Ion: 56 Resp: 10988

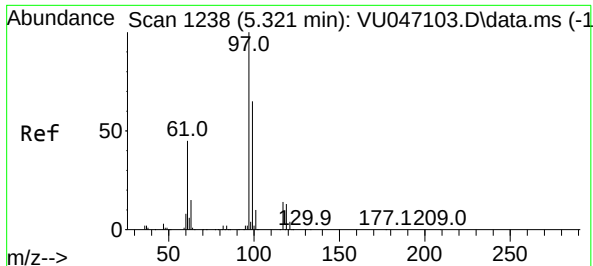
Ion Ratio Lower Upper

56 100

69 34.1 25.8 38.6

84 80.1 74.2 111.2





#30

1,1,1-Trichloroethane

Concen: 2.090 ug/L

RT: 5.324 min Scan# 1238

Delta R.T. 0.003 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2022-01

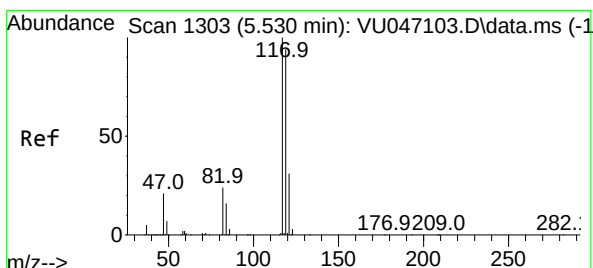
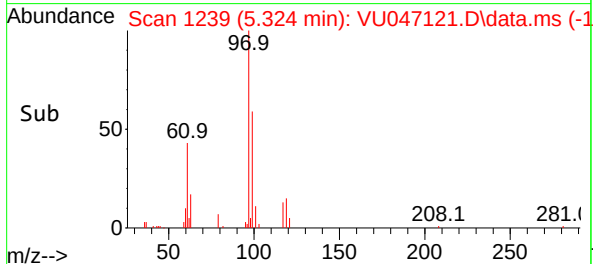
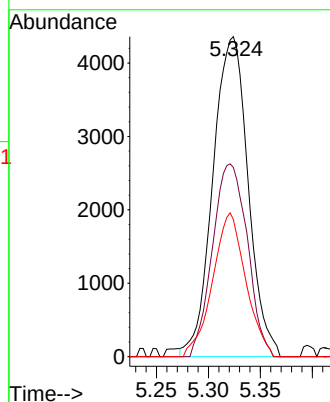
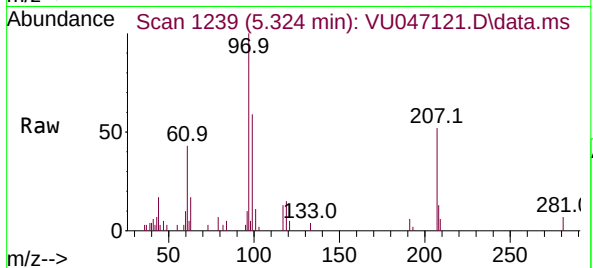
Tgt Ion: 97 Resp: 10277

Ion Ratio Lower Upper

97 100

99 59.6 51.1 76.7

61 42.3 34.1 51.1



#31

Carbon tetrachloride

Concen: 2.000 ug/L

RT: 5.530 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VU047121.D

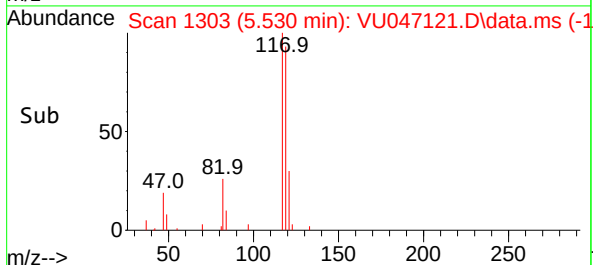
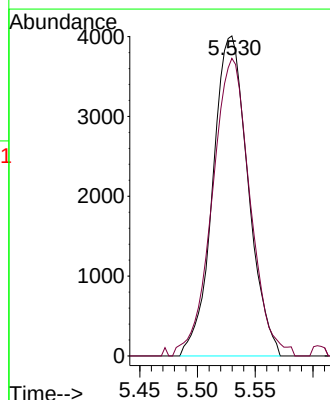
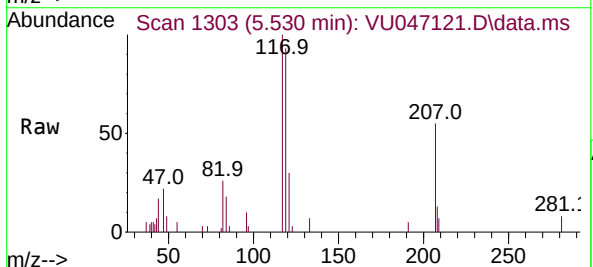
Acq: 11 Feb 2022 17:32

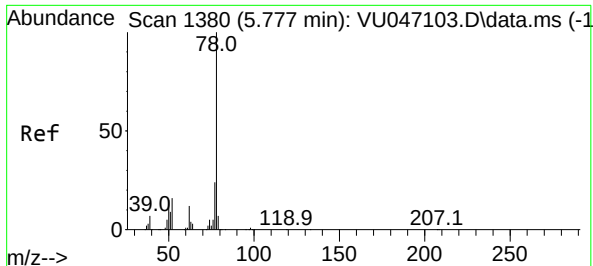
Tgt Ion: 117 Resp: 8525

Ion Ratio Lower Upper

117 100

119 99.1 77.5 116.3

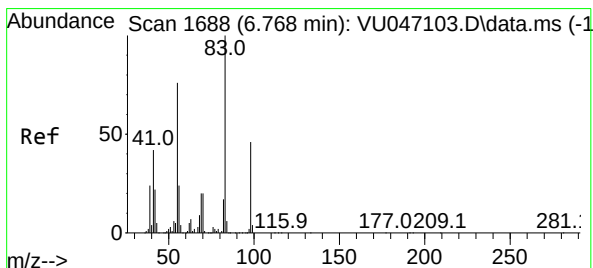
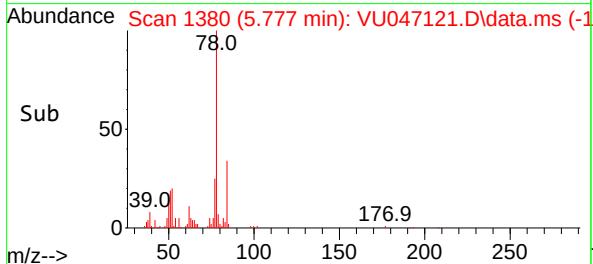
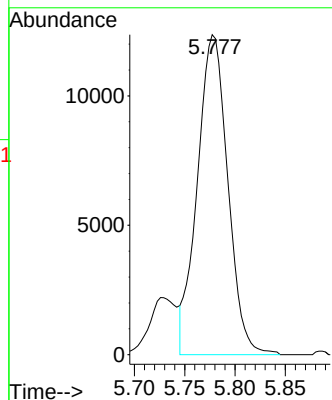
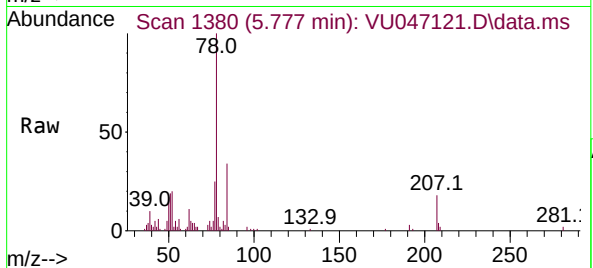




#33
Benzene
Concen: 2.036 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

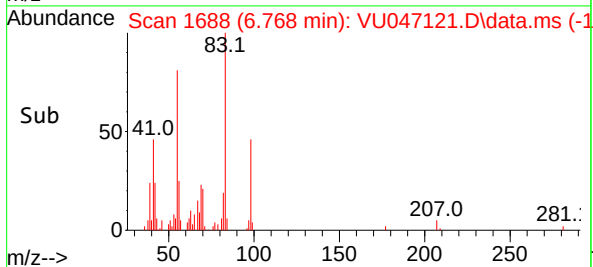
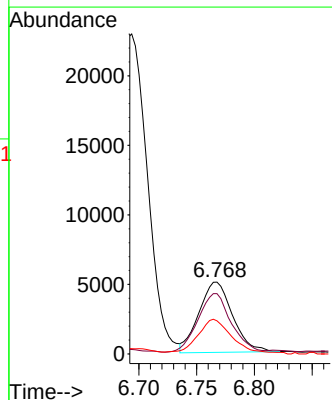
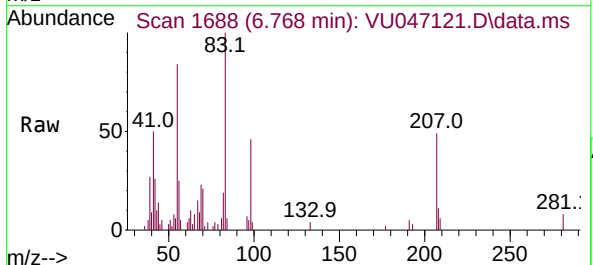
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2022-01

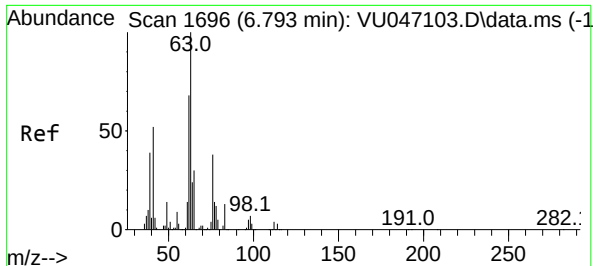
Tgt Ion: 78 Resp: 26062



#35
Methylcyclohexane
Concen: 1.843 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion: 83 Resp: 10282
Ion Ratio Lower Upper
83 100
55 81.7 56.6 85.0
98 44.2 38.4 57.6

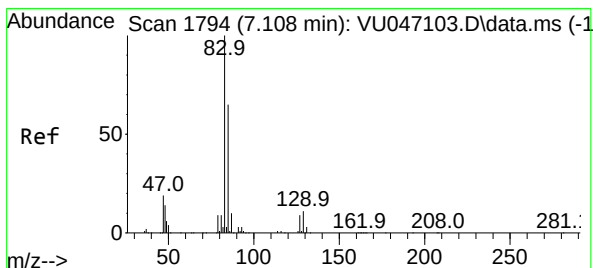
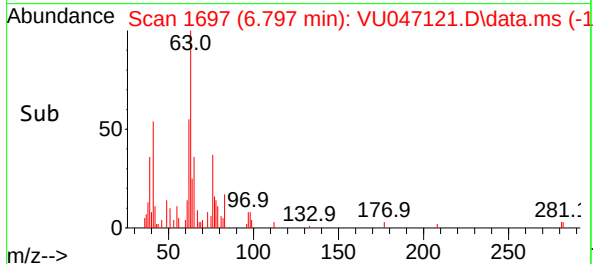
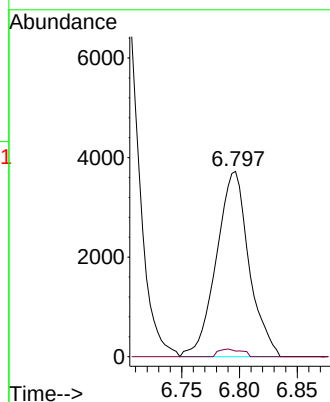
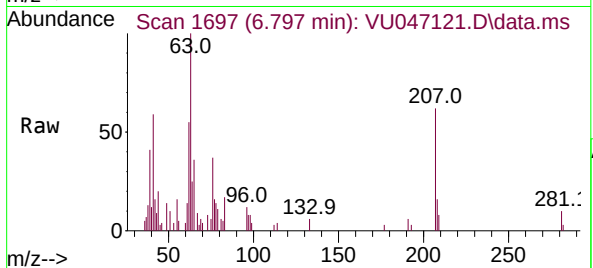




#37
1,2-Dichloropropane
Concen: 2.134 ug/L
RT: 6.797 min Scan# 1696
Delta R.T. 0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

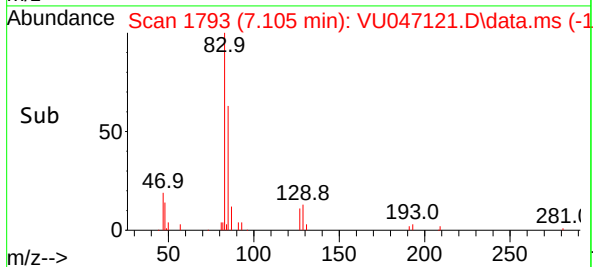
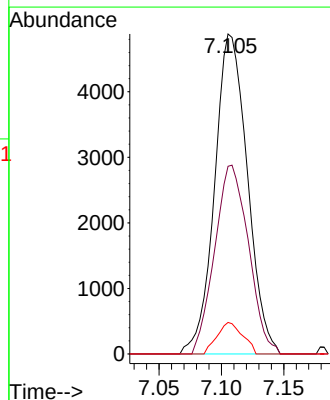
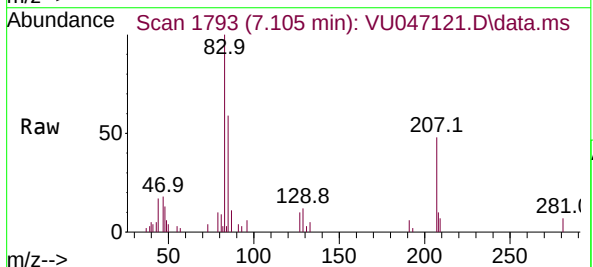
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2022-01

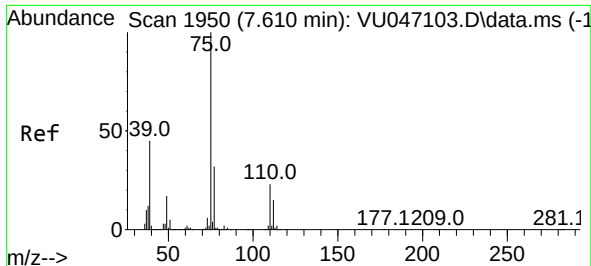
Tgt Ion: 63 Resp: 7319
Ion Ratio Lower Upper
63 100
112 2.7 3.7 5.5#



#38
Bromodichloromethane
Concen: 2.045 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion: 83 Resp: 8940
Ion Ratio Lower Upper
83 100
85 58.6 45.0 83.6
127 9.9 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 2.001 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

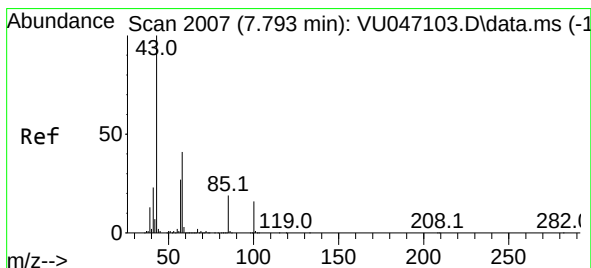
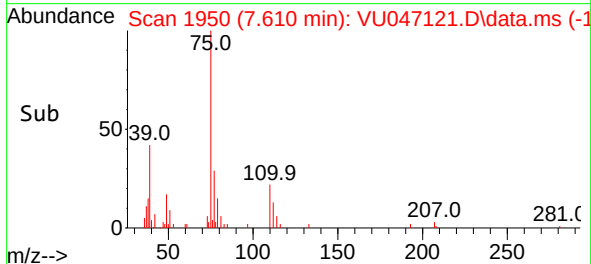
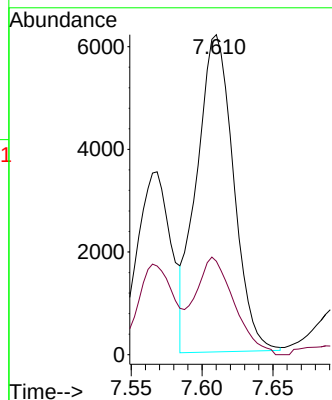
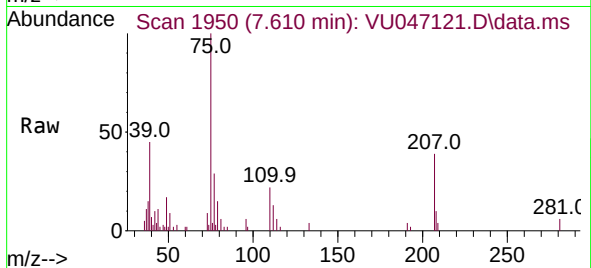
MDL-WATER-QT1-2022-01

Tgt Ion: 75 Resp: 11152

Ion Ratio Lower Upper

75 100

77 29.2 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 4.298 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

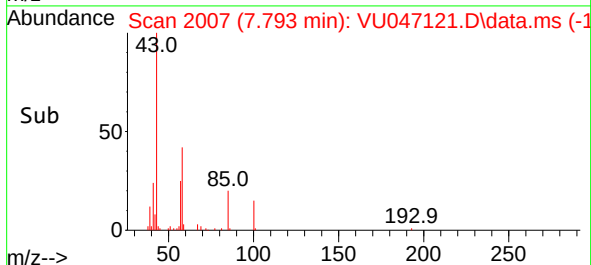
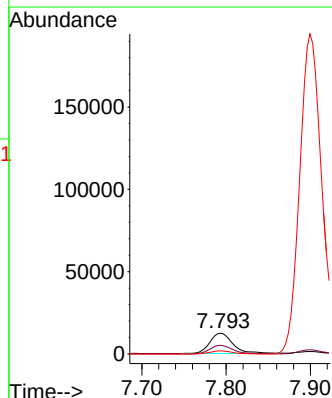
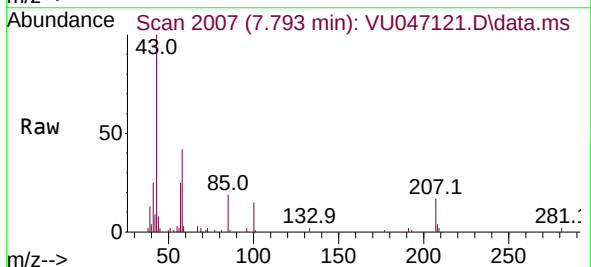
Tgt Ion: 43 Resp: 23342

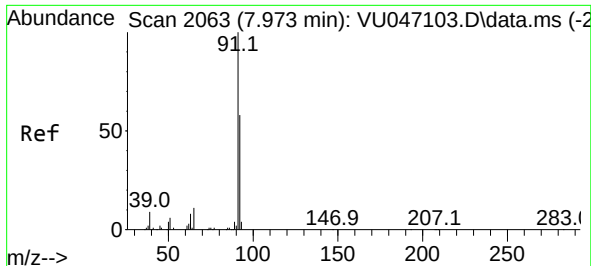
Ion Ratio Lower Upper

43 100

58 43.5 35.8 53.8

100 14.5 15.7 23.5





#42

Toluene

Concen: 2.611 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

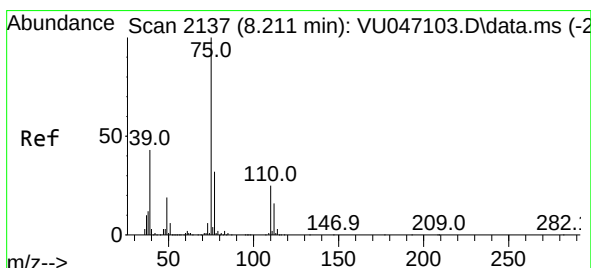
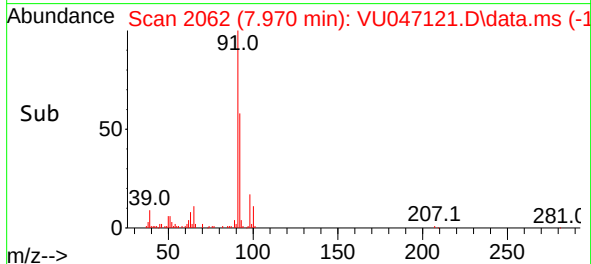
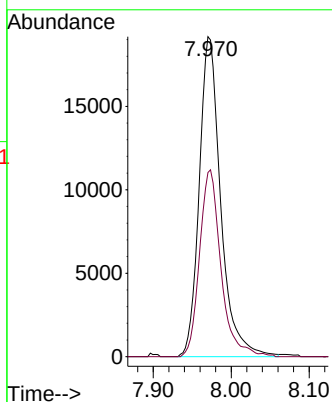
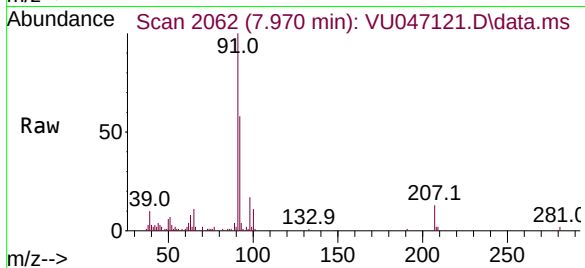
MDL-WATER-QT1-2022-01

Tgt Ion: 91 Resp: 36719

Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 2.052 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU047121.D

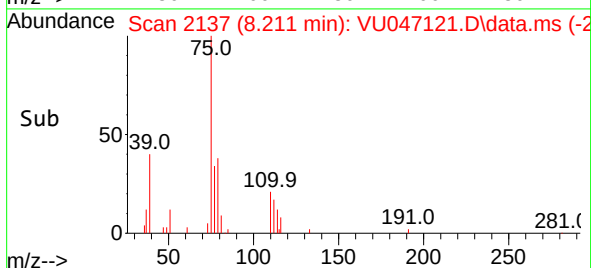
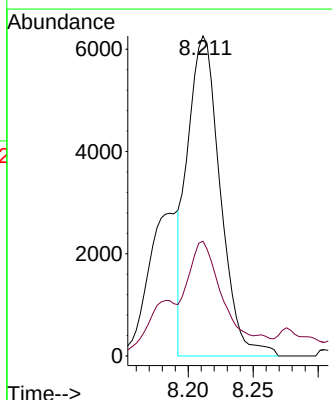
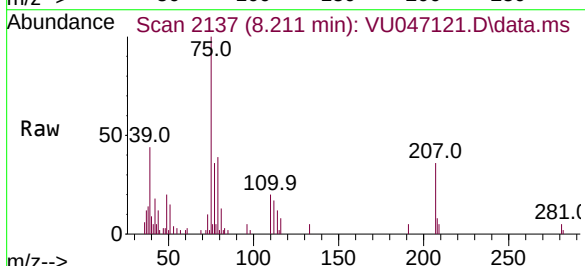
Acq: 11 Feb 2022 17:32

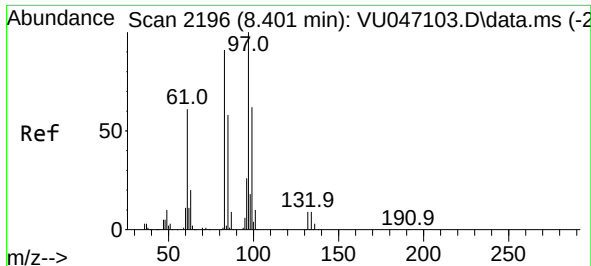
Tgt Ion: 75 Resp: 10989

Ion Ratio Lower Upper

75 100

77 35.9 23.0 42.8

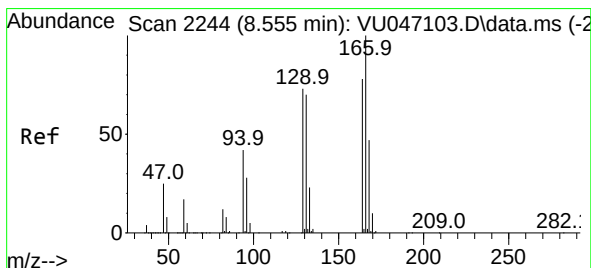
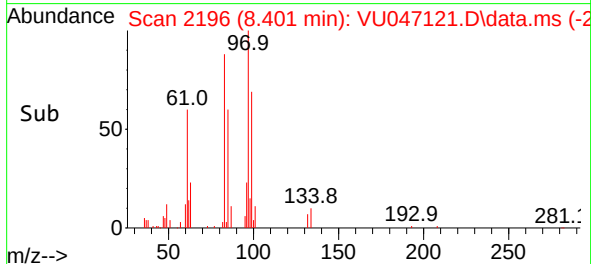
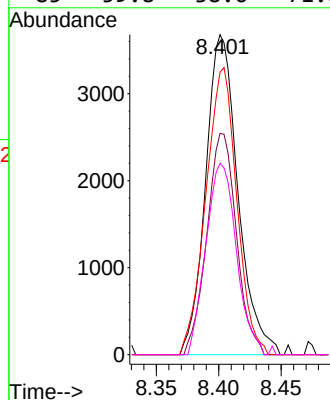
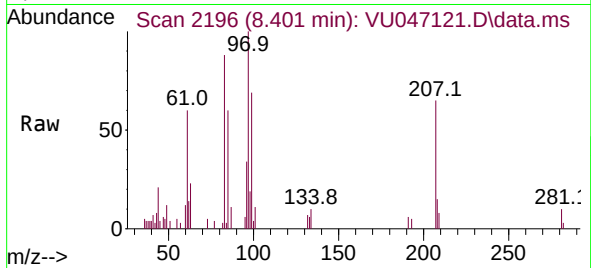




#45
1,1,2-Trichloroethane
Concen: 2.058 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

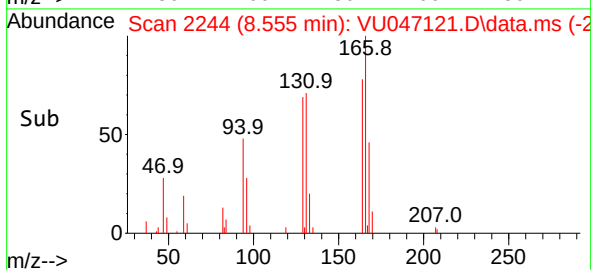
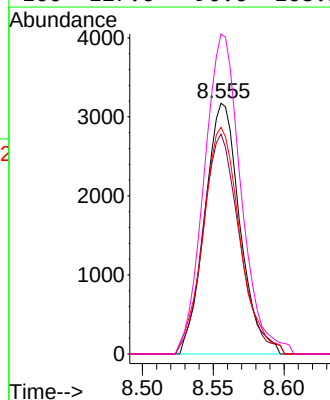
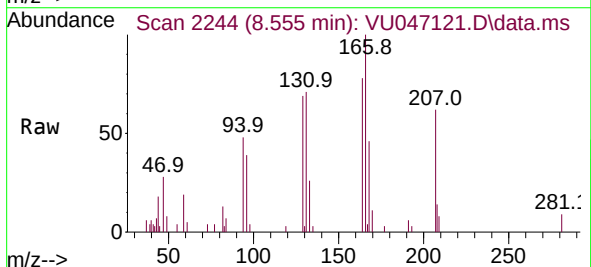
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2022-01

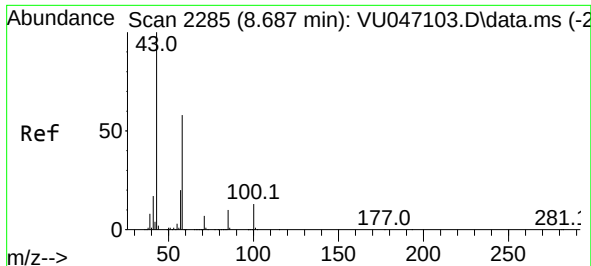
Tgt Ion:	97	Resp:	6647
Ion	Ratio	Lower	Upper
97	100		
99	69.1	42.4	78.8
83	88.3	59.4	110.4
85	59.8	38.6	71.8



#46
Tetrachloroethene
Concen: 2.043 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion:	164	Resp:	5465
Ion	Ratio	Lower	Upper
164	100		
129	87.7	69.5	129.1
131	90.3	67.0	124.4
166	127.6	90.6	168.2

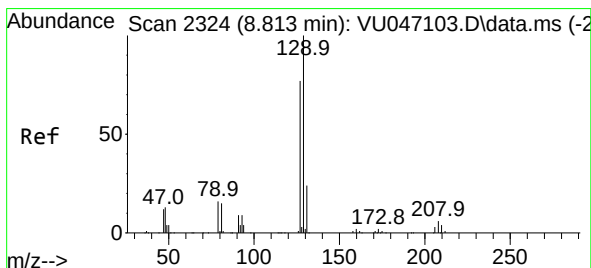
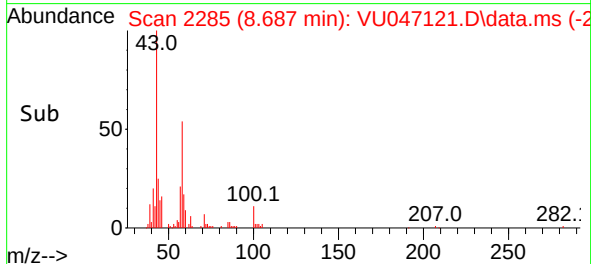
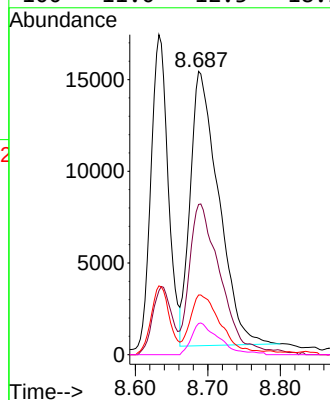
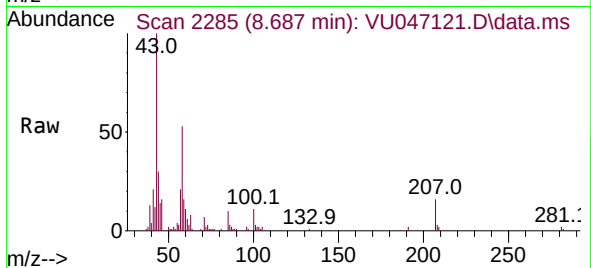




#48
2-Hexanone
Concen: 9.056 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

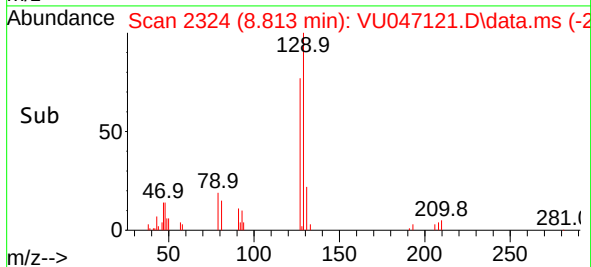
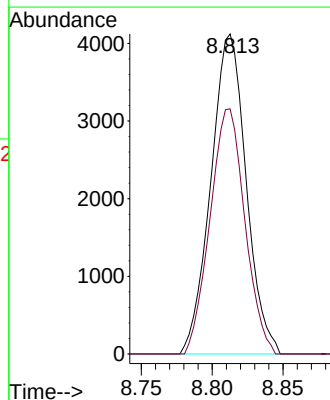
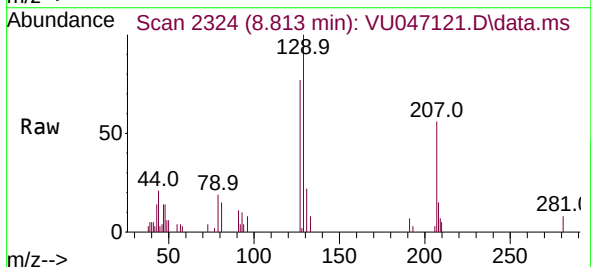
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2022-01

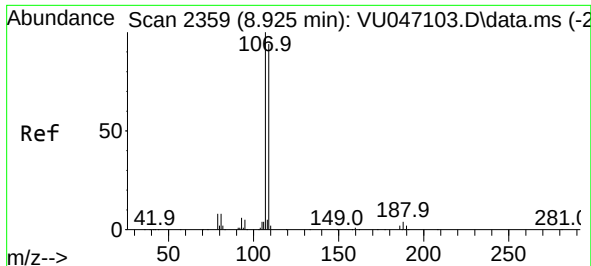
Tgt Ion:	43	Resp:	40674
Ion	Ratio	Lower	Upper
43	100		
58	52.5	49.4	74.2
57	19.7	17.5	26.3
100	11.0	12.3	18.5



#49
Dibromochloromethane
Concen: 1.912 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion:	129	Resp:	7147
Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.5	101.3





#50

1,2-Dibromoethane

Concen: 1.967 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU047121.D

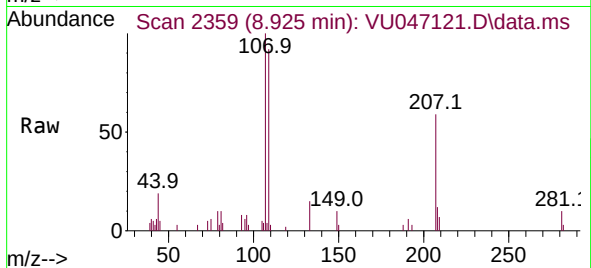
Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2022-01



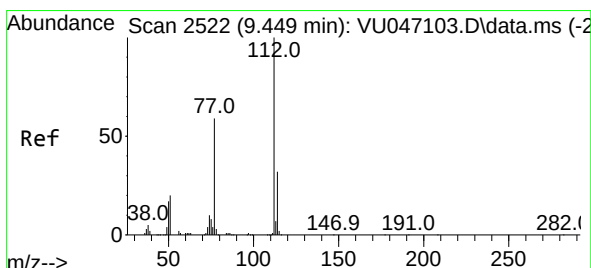
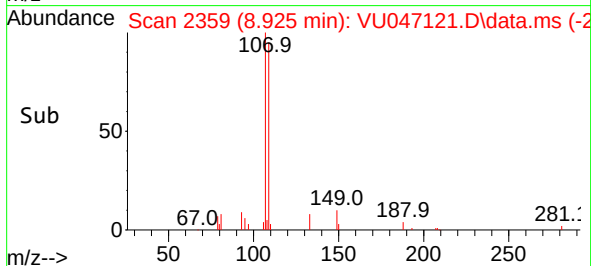
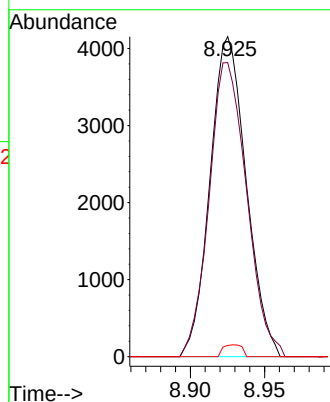
Tgt Ion:107 Resp: 7057

Ion Ratio Lower Upper

107 100

109 91.9 65.6 121.8

188 3.5 3.1 4.7



#51

Chlorobenzene

Concen: 1.979 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

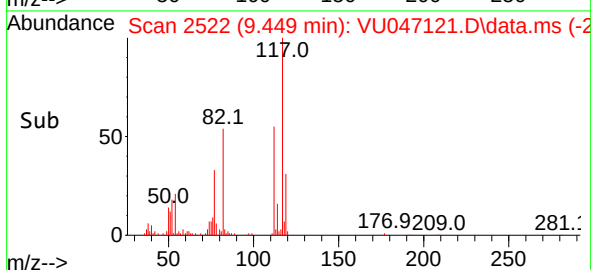
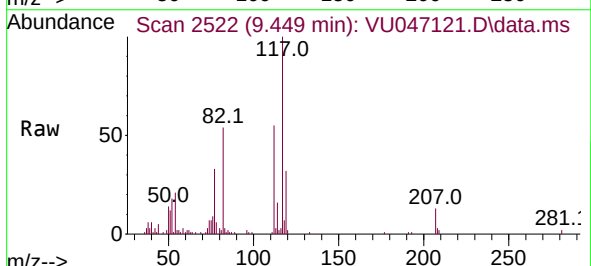
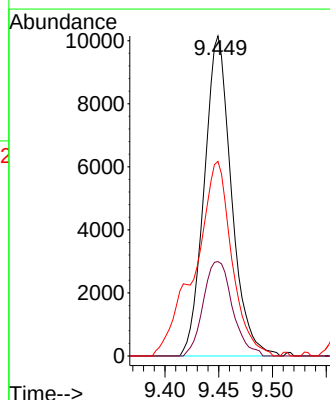
Tgt Ion:112 Resp: 17843

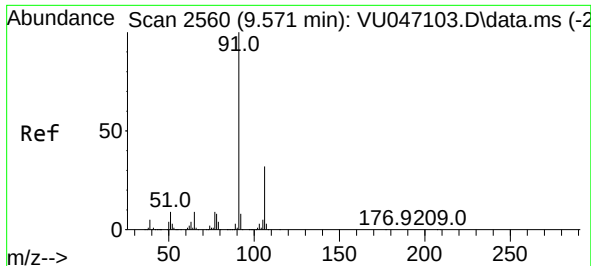
Ion Ratio Lower Upper

112 100

114 29.5 22.1 41.1

77 60.8 46.5 69.7





#52

Ethylbenzene

Concen: 2.036 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

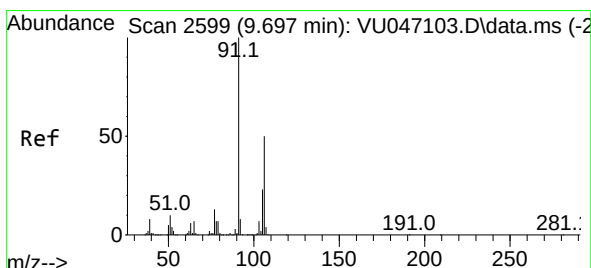
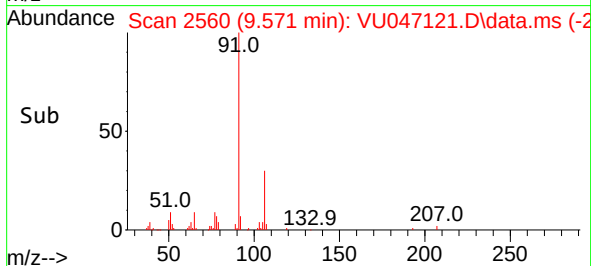
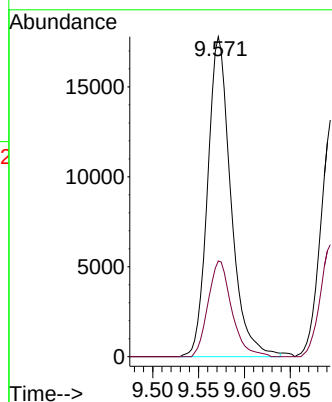
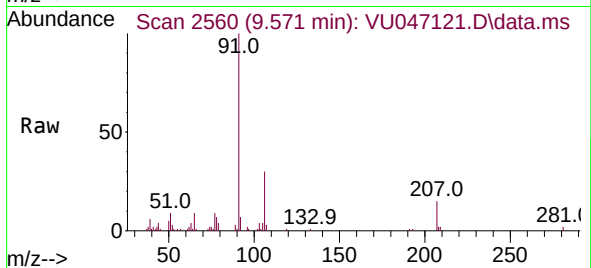
MDL-WATER-QT1-2022-01

Tgt Ion: 91 Resp: 31329

Ion Ratio Lower Upper

91 100

106 29.9 21.8 40.4



#53

m,p-Xylene

Concen: 1.952 ug/L

RT: 9.694 min Scan# 2598

Delta R.T. -0.003 min

Lab File: VU047121.D

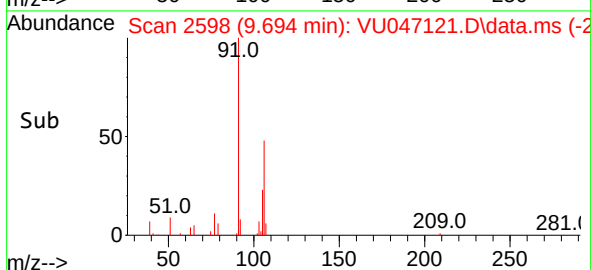
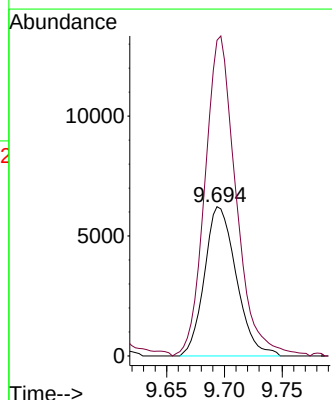
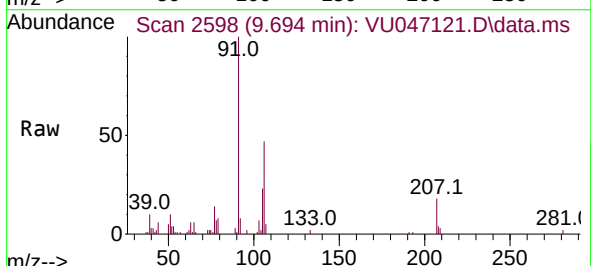
Acq: 11 Feb 2022 17:32

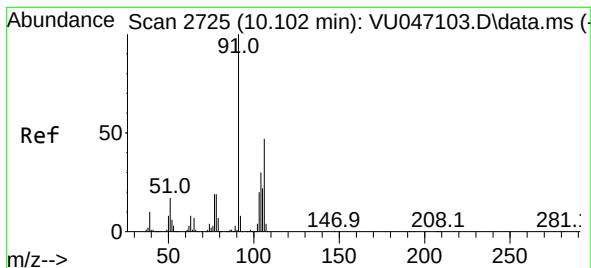
Tgt Ion: 106 Resp: 11920

Ion Ratio Lower Upper

106 100

91 211.4 145.5 270.1





#54

o-xylene

Concen: 1.910 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

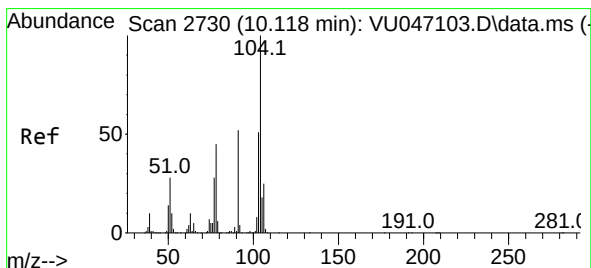
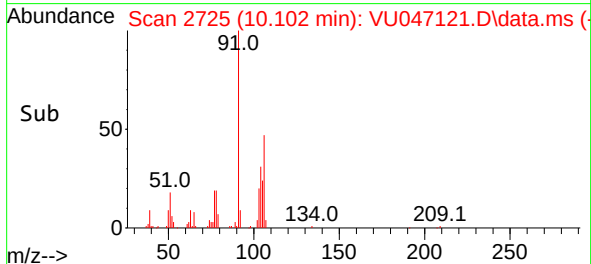
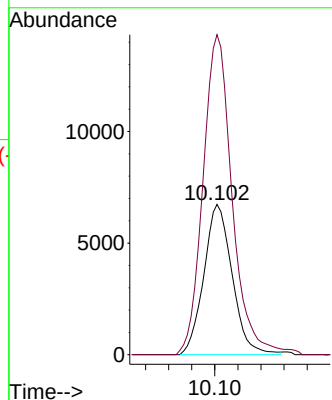
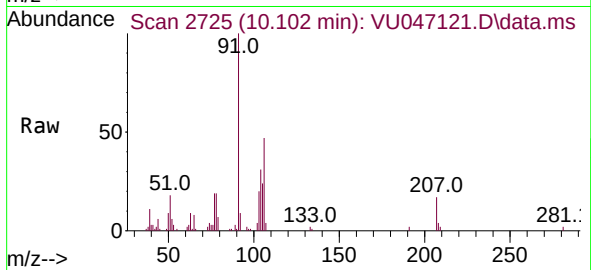
MDL-WATER-QT1-2022-01

Tgt Ion:106 Resp: 11483

Ion Ratio Lower Upper

106 100

91 213.1 152.0 282.2



#55

Styrene

Concen: 1.874 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VU047121.D

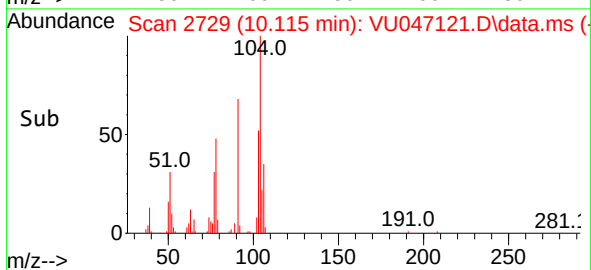
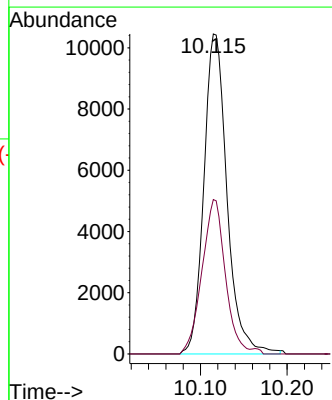
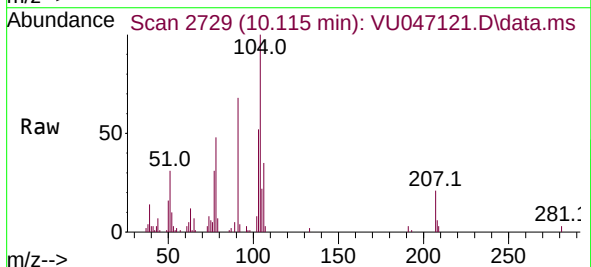
Acq: 11 Feb 2022 17:32

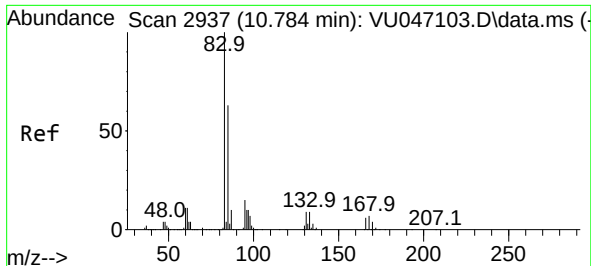
Tgt Ion:104 Resp: 19384

Ion Ratio Lower Upper

104 100

78 48.3 32.6 60.6

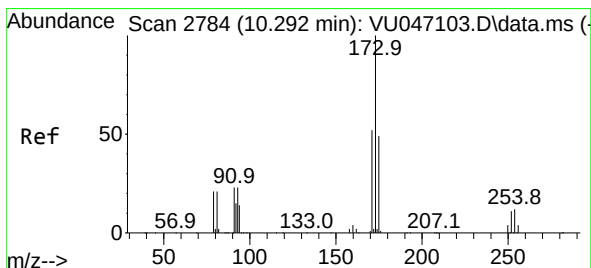
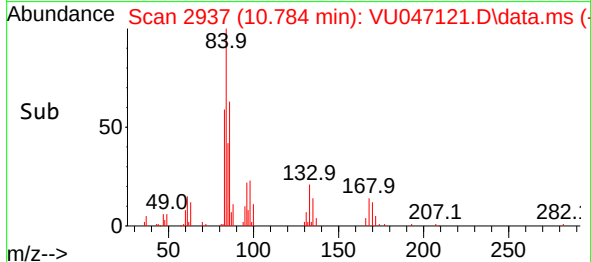
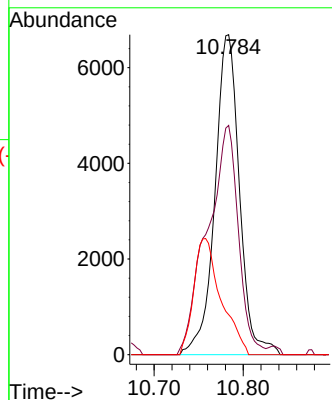
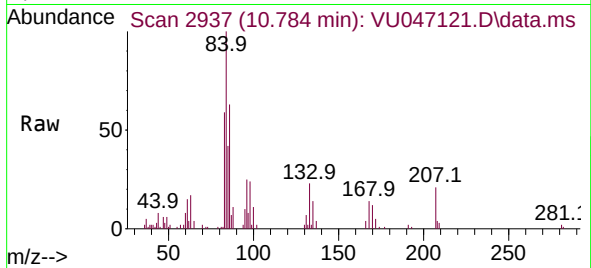




#57
1,1,2,2-Tetrachloroethane
Concen: 2.253 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

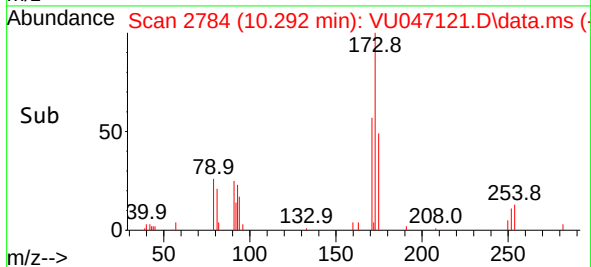
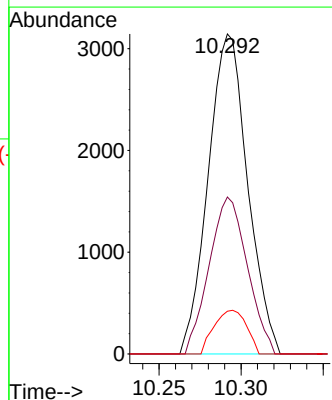
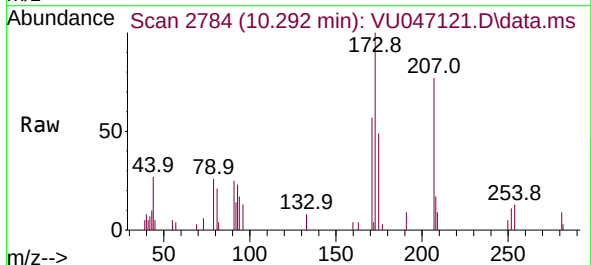
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2022-01

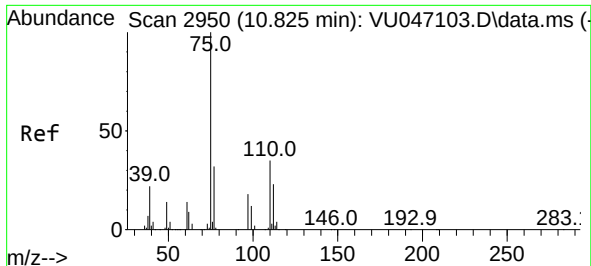
Tgt Ion: 83 Resp: 12831
Ion Ratio Lower Upper
83 100
85 71.6 44.7 83.1
131 12.5 7.8 11.6#



#59
Bromoform
Concen: 1.807 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion: 173 Resp: 5249
Ion Ratio Lower Upper
173 100
175 47.5 37.6 56.4
254 11.2 8.1 12.1

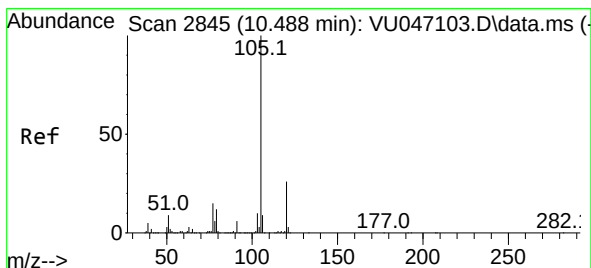
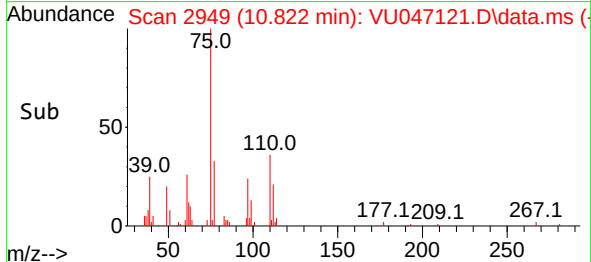
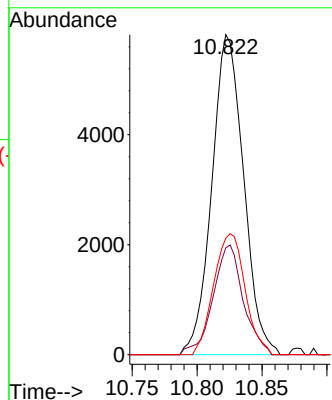
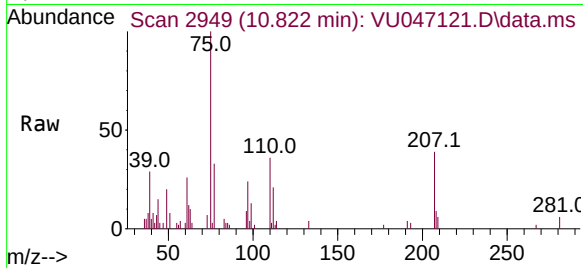




#60
1,2,3-Trichloropropane
Concen: 2.166 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

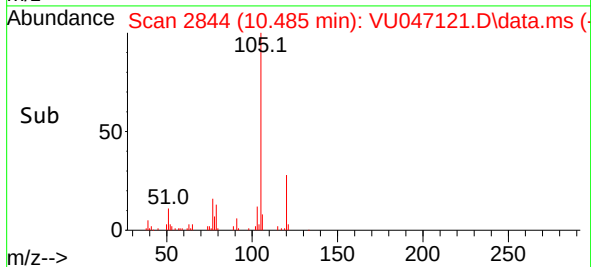
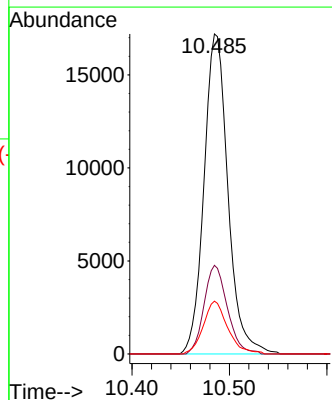
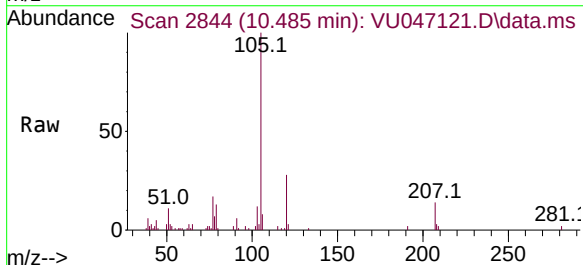
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2022-01

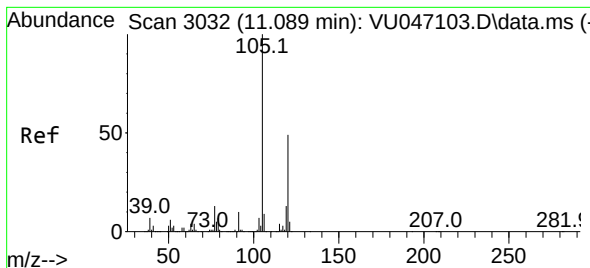
Tgt Ion: 75	Resp: 9884
Ion Ratio	Lower Upper
75 100	
77 32.7	26.2 39.2
110 37.4	32.5 48.7



#61
Isopropylbenzene
Concen: 1.954 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion: 105	Resp: 29397
Ion Ratio	Lower Upper
105 100	
120 26.9	20.6 31.0
77 16.7	12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 1.888 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

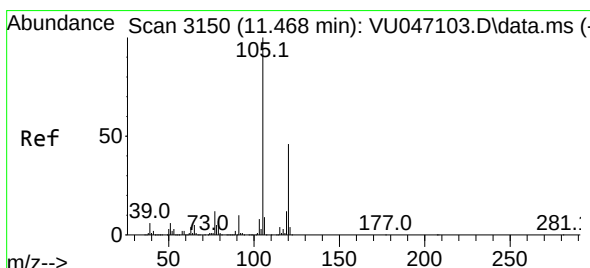
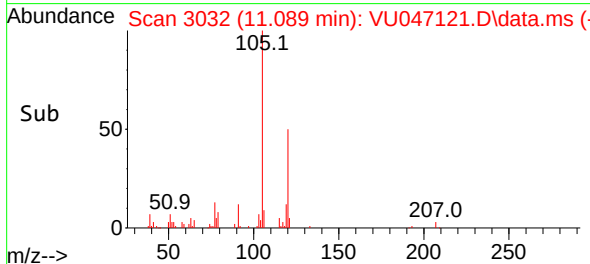
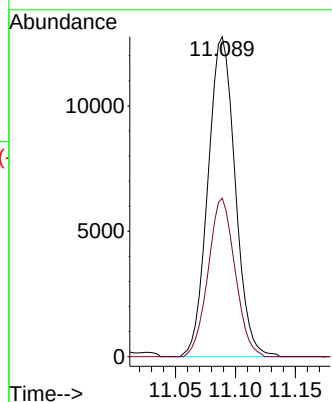
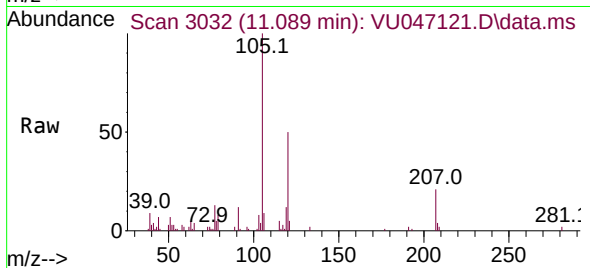
MDL-WATER-QT1-2022-01

Tgt Ion:105 Resp: 20131

Ion Ratio Lower Upper

105 100

120 48.9 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 1.981 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU047121.D

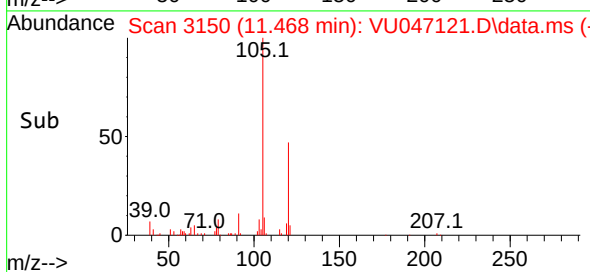
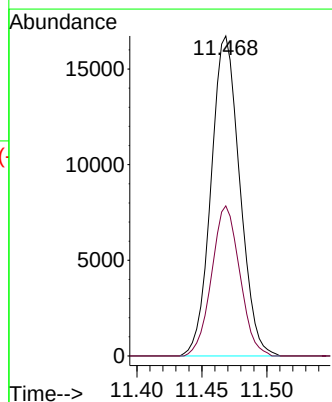
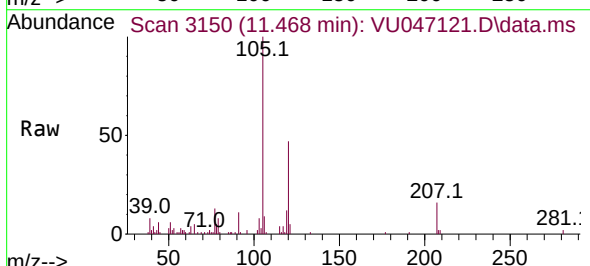
Acq: 11 Feb 2022 17:32

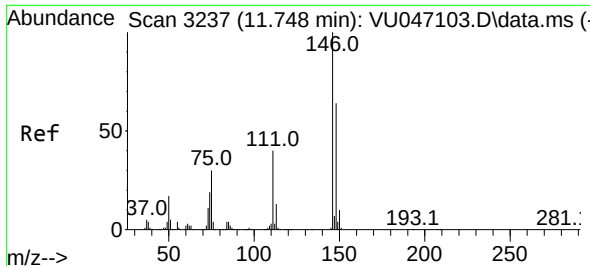
Tgt Ion:105 Resp: 25645

Ion Ratio Lower Upper

105 100

120 46.1 35.4 53.2

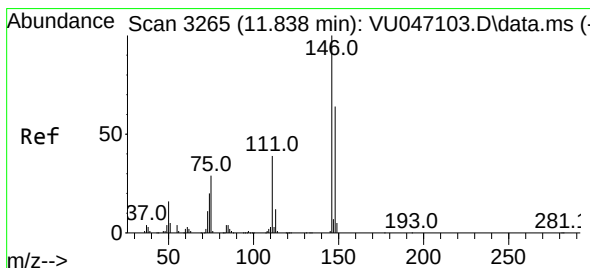
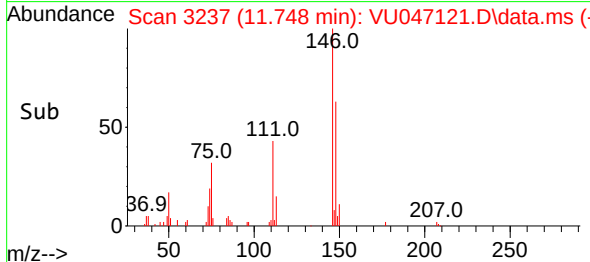
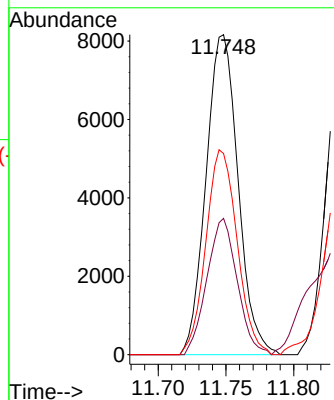
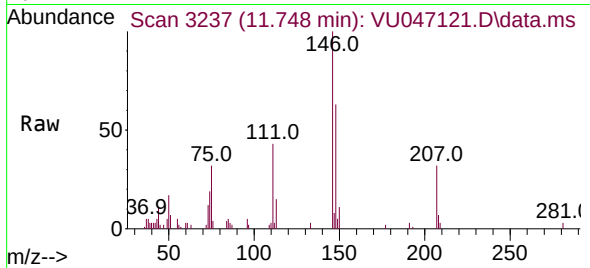




#64
1,3-Dichlorobenzene
Concen: 1.915 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

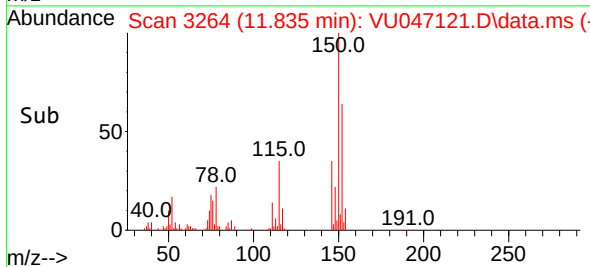
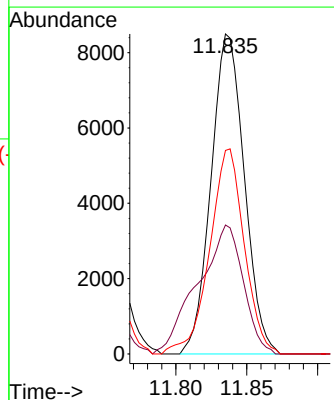
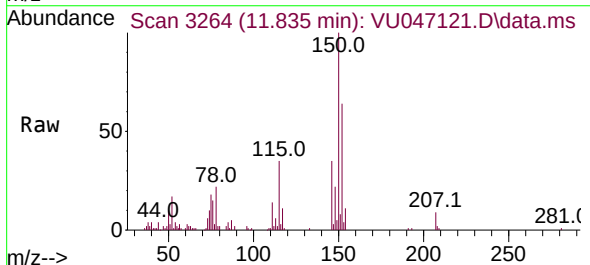
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2022-01

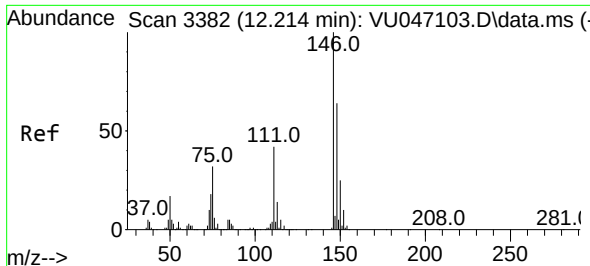
Tgt Ion:146 Resp: 13440
Ion Ratio Lower Upper
146 100
111 42.6 29.4 54.6
148 62.8 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 1.969 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU047121.D
Acq: 11 Feb 2022 17:32

Tgt Ion:146 Resp: 13893
Ion Ratio Lower Upper
146 100
111 40.3 28.9 53.7
148 63.6 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 2.021 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2022-01

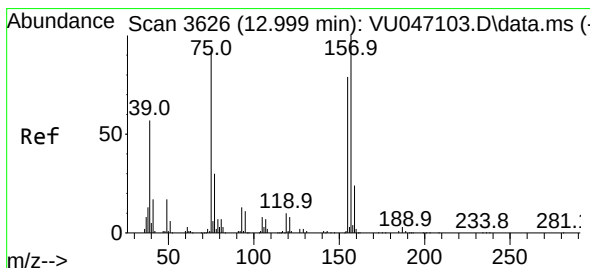
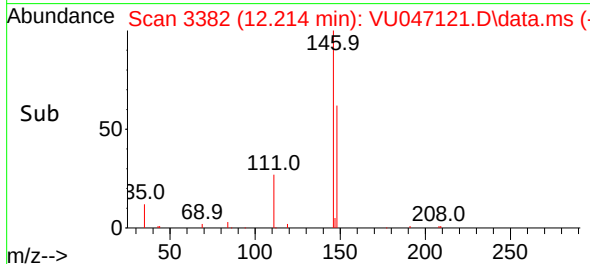
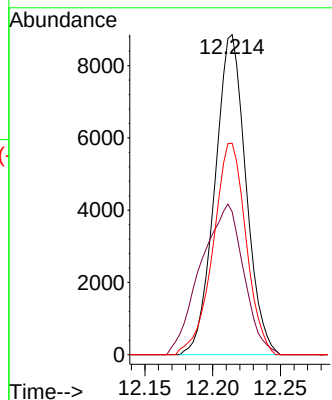
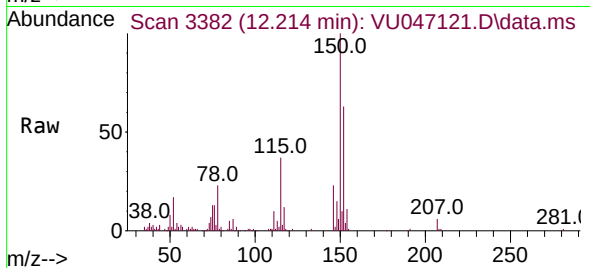
Tgt Ion:146 Resp: 14121

Ion Ratio Lower Upper

146 100

111 44.6 34.2 51.4

148 66.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 2.257 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

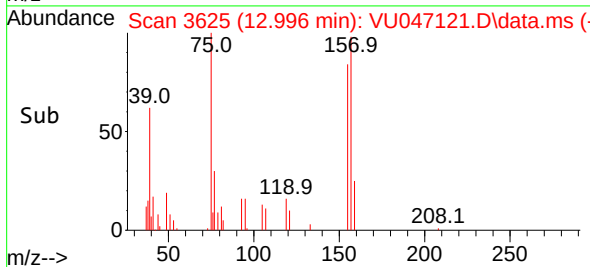
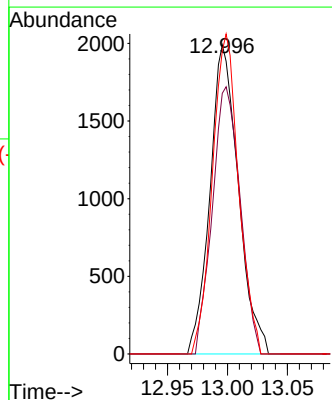
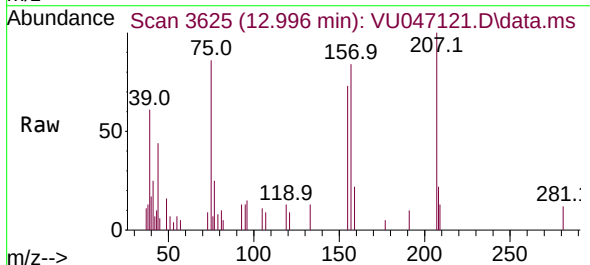
Tgt Ion: 75 Resp: 3280

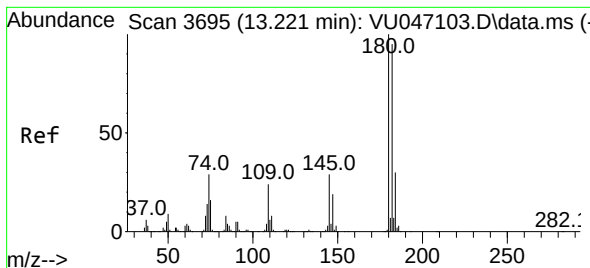
Ion Ratio Lower Upper

75 100

155 84.4 65.0 97.4

157 98.1 79.7 119.5





#69

1,3,5-Trichlorobenzene

Concen: 1.838 ug/L

RT: 13.218 min Scan# 3695

Delta R.T. -0.003 min

Lab File: VU047121.D

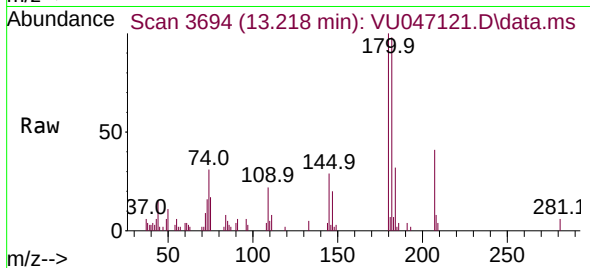
Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2022-01



Tgt Ion:180 Resp: 9980

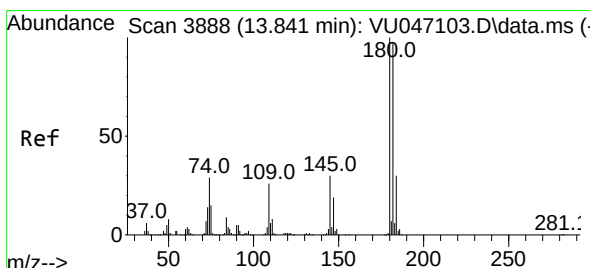
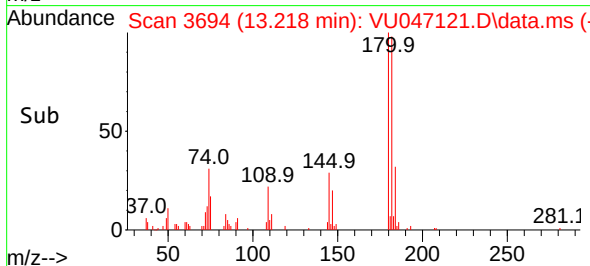
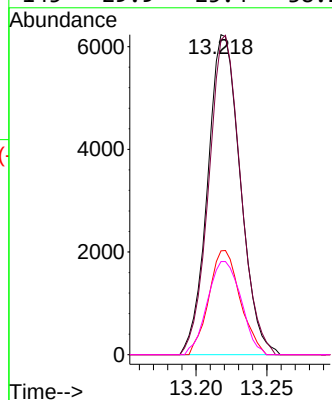
Ion Ratio Lower Upper

180 100

182 97.1 77.0 115.6

184 31.2 24.7 37.1

145 29.9 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 1.774 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU047121.D

Acq: 11 Feb 2022 17:32

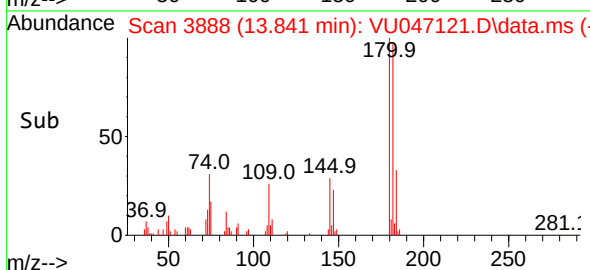
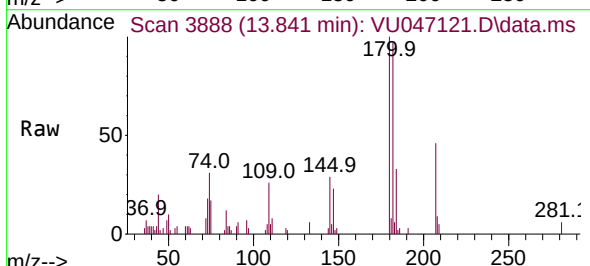
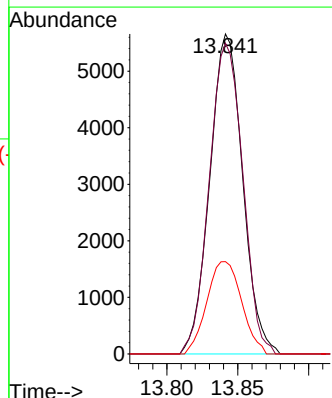
Tgt Ion:180 Resp: 9131

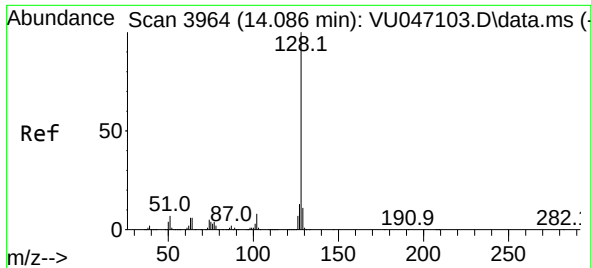
Ion Ratio Lower Upper

180 100

182 98.8 76.6 114.8

145 30.5 25.2 37.8





#71

Naphthalene

Concen: 1.870 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU047121.D

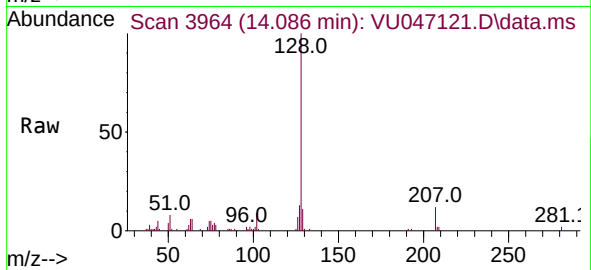
Acq: 11 Feb 2022 17:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2022-01



Tgt Ion:128 Resp: 34065

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 11.2 8.8 13.2

