

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090922\
 Data File : VU050701.D
 Acq On : 09 Sep 2022 14:47
 Operator : SY/MD
 Sample : N4519-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2022-07

Quant Time: Sep 10 01:42:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 10 01:20:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	333635	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	327498	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	126491	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	88407	30.981	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.960%
7) Chloroethane-d5	1.903	69	70170	36.363	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.720%
11) 1,1-Dichloroethene-d2	2.562	63	138249	27.415	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.840%#
21) 2-Butanone-d5	4.620	46	167911	80.425	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.430%
24) Chloroform-d	5.060	84	224672	41.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.080%
26) 1,2-Dichloroethane-d4	5.700	65	143201	43.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.660%
32) Benzene-d6	5.726	84	427506	39.500	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	6.691	67	144430	40.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.300%
41) Toluene-d8	7.900	98	361910	39.104	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.200%#
43) trans-1,3-Dichloroprop...	8.179	79	61214	41.636	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.280%
47) 2-Hexanone-d5	8.633	63	66282	74.158	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.160%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	227776	42.360	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.720%
66) 1,2-Dichlorobenzene-d4	12.195	152	131072	44.265	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.540%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	5305	1.655	ug/L	96
3) Chloromethane	1.524	50	5967	1.723	ug/L	98
5) Vinyl chloride	1.601	62	4650	1.425	ug/L #	56
6) Bromomethane	1.842	94	2647	1.609	ug/L	85
8) Chloroethane	1.926	64	3244	1.872	ug/L	92
9) Trichlorofluoromethane	2.131	101	7176	1.805	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	6348	2.435	ug/L #	83
12) 1,1-Dichloroethene	2.575	96	5800	2.289	ug/L #	1
13) Acetone	2.623	43	5995	3.807	ug/L	96
14) Carbon disulfide	2.790	76	12987	1.729	ug/L	99
15) Methyl Acetate	2.948	43	5195	1.560	ug/L	95
16) Methylene chloride	3.041	84	6002	1.805	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	4395	1.636	ug/L	90
18) Methyl tert-butyl Ether	3.360	73	12399	1.489	ug/L	98
19) 1,1-Dichloroethane	3.868	63	8494	1.639	ug/L	94
20) cis-1,2-Dichloroethene	4.665	96	4894	1.615	ug/L	95
22) 2-Butanone	4.710	43	10140	4.116	ug/L	92
23) Bromochloromethane	4.977	128	3152	2.012	ug/L	78
27) 1,2-Dichloroethane	5.797	62	6512	1.664	ug/L #	93

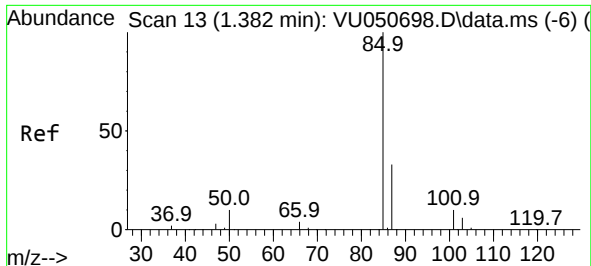
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090922\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 10 01:20:12 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.388	56	6319	1.441	ug/L #	90
30) 1,1,1-Trichloroethane	5.314	97	8132	1.844	ug/L	95
31) Carbon tetrachloride	5.520	117	6870	1.901	ug/L	100
33) Benzene	5.774	78	20836	1.748	ug/L	100
35) Methylcyclohexane	6.765	83	7104	1.609	ug/L	97
37) 1,2-Dichloropropane	6.794	63	5860	1.861	ug/L #	92
38) Bromodichloromethane	7.105	83	6778	1.830	ug/L #	96
39) cis-1,3-Dichloropropene	7.607	75	7076	1.661	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	11275	2.628	ug/L	97
42) Toluene	7.970	91	20160	1.665	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	7235	1.810	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	5901	1.951	ug/L	94
46) Tetrachloroethene	8.556	164	3953	1.949	ug/L	86
48) 2-Hexanone	8.684	43	44619m	11.144	ug/L	
49) Dibromochloromethane	8.810	129	5426	1.881	ug/L	93
50) 1,2-Dibromoethane	8.925	107	5890	1.915	ug/L #	89
51) Chlorobenzene	9.446	112	13615	1.812	ug/L	95
52) Ethylbenzene	9.572	91	18481	1.545	ug/L	96
53) m,p-Xylene	9.694	106	6415	1.400	ug/L	97
54) o-Xylene	10.102	106	6766	1.483	ug/L	83
55) Styrene	10.118	104	9163	1.221	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.784	83	10166	1.887	ug/L #	93
59) Bromoform	10.289	173	3921	2.078	ug/L	96
60) 1,2,3-Trichloropropane	10.826	75	6945	1.871	ug/L	91
61) Isopropylbenzene	10.485	105	14279	1.426	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	11868	1.386	ug/L	98
63) 1,2,4-Trimethylbenzene	11.472	105	10643	1.295	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	7711	1.750	ug/L	89
65) 1,4-Dichlorobenzene	11.838	146	8632	1.982	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	9033	1.925	ug/L	97
69) 1,3,5-Trichlorobenzene	13.224	180	5175	1.619	ug/L	97

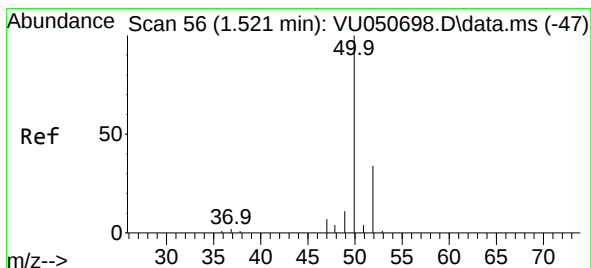
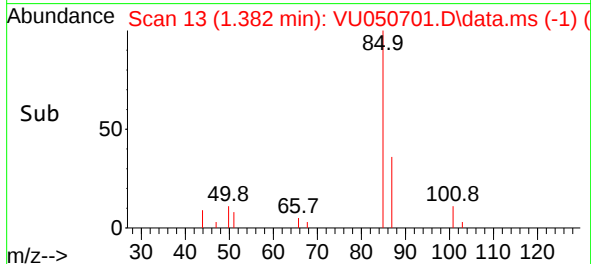
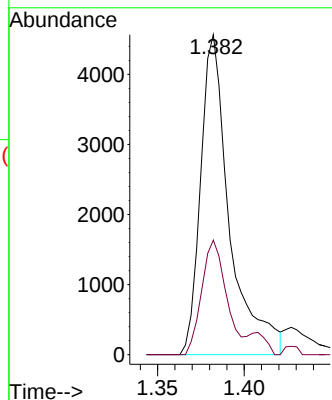
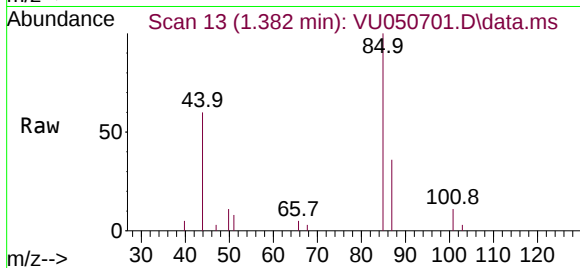
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 1.655 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

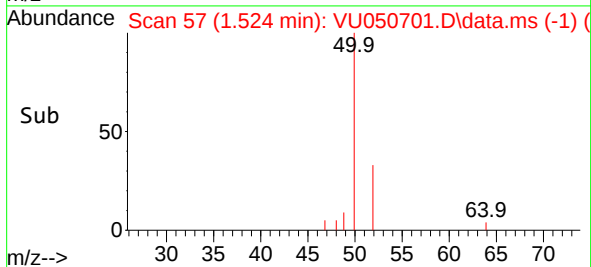
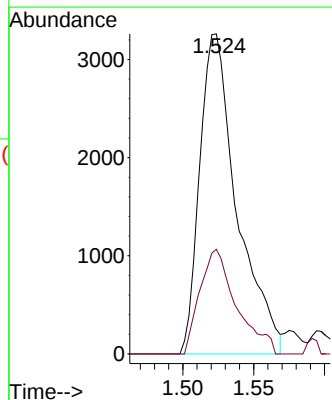
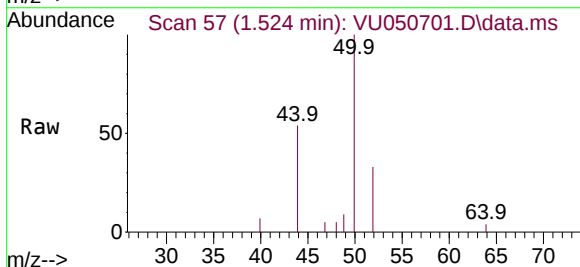
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

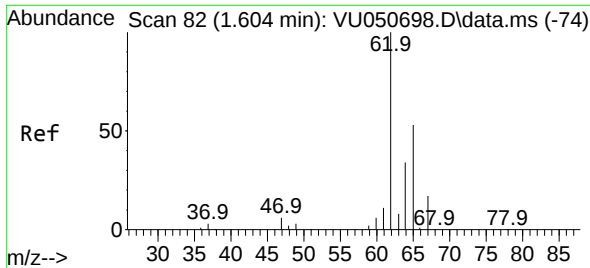
Tgt Ion: 85 Resp: 5305
Ion Ratio Lower Upper
85 100
87 30.3 25.8 38.8



#3
Chloromethane
Concen: 1.723 ug/L
RT: 1.524 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion: 50 Resp: 5967
Ion Ratio Lower Upper
50 100
52 32.7 23.7 43.9

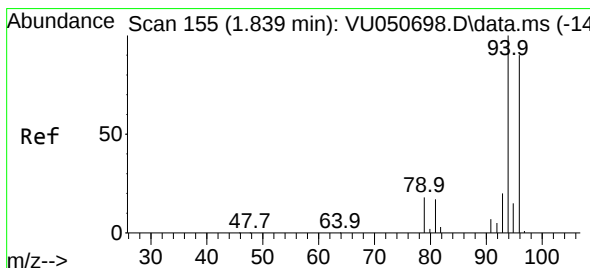
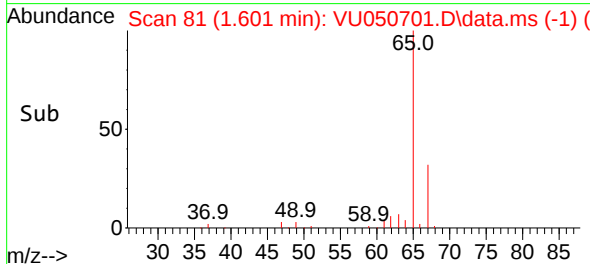
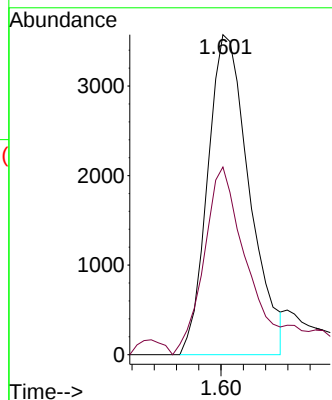
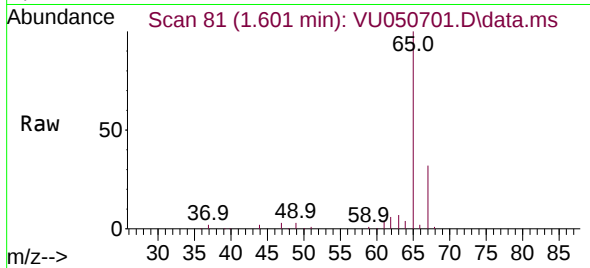




#5
 Vinyl chloride
 Concen: 1.425 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU050701.D
 Acq: 09 Sep 2022 14:47

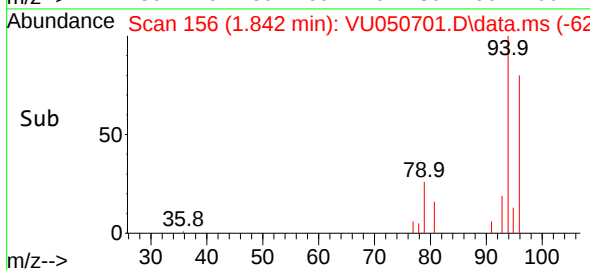
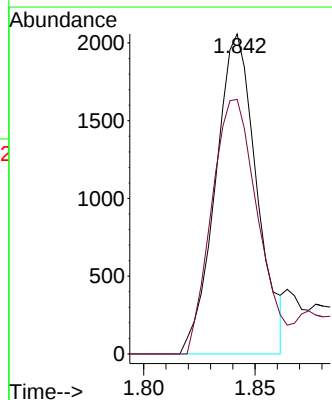
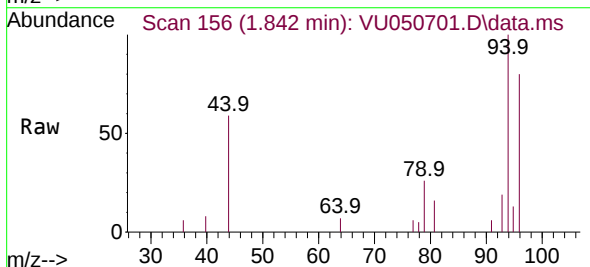
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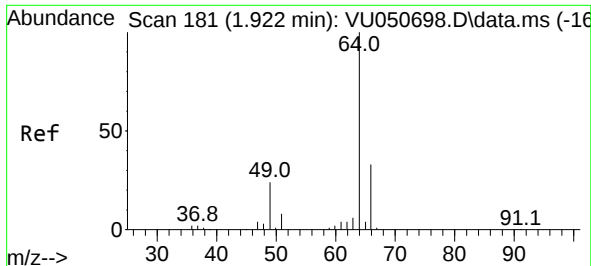
Tgt Ion: 62 Resp: 4650
 Ion Ratio Lower Upper
 62 100
 64 58.6 23.5 43.7#



#6
 Bromomethane
 Concen: 1.609 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.003 min
 Lab File: VU050701.D
 Acq: 09 Sep 2022 14:47

Tgt Ion: 94 Resp: 2647
 Ion Ratio Lower Upper
 94 100
 96 79.5 65.6 121.8

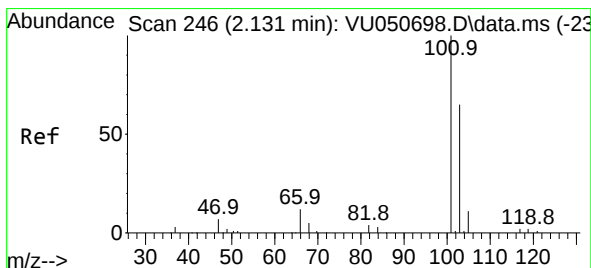
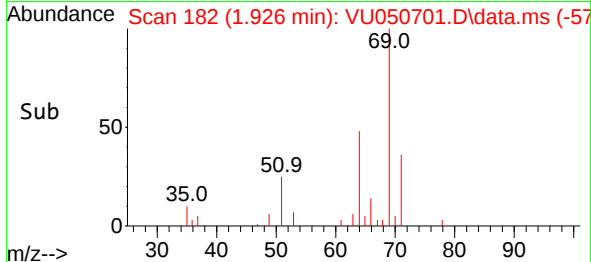
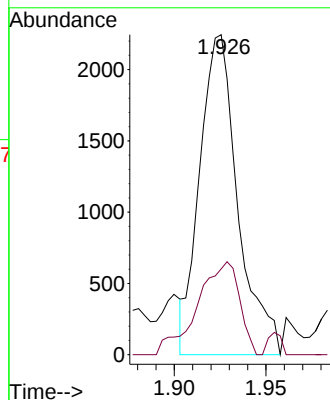
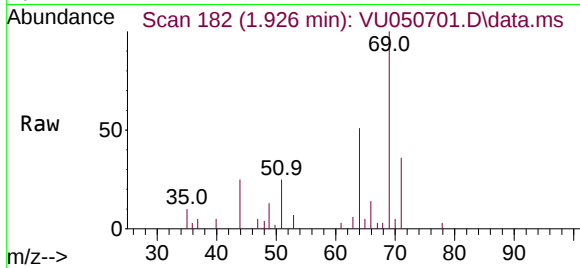




#8
Chloroethane
Concen: 1.872 ug/L
RT: 1.926 min Scan# 181
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

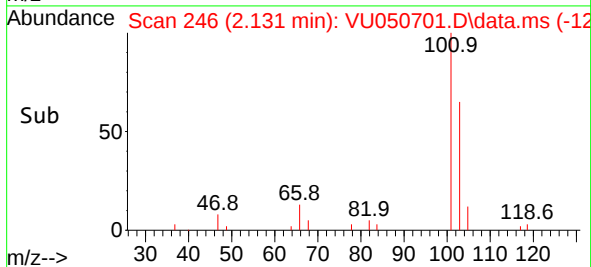
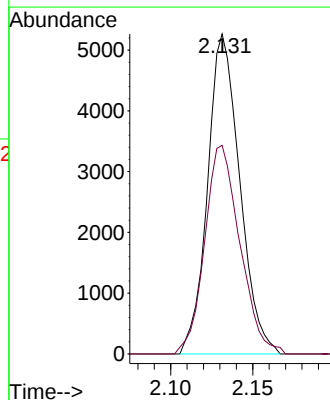
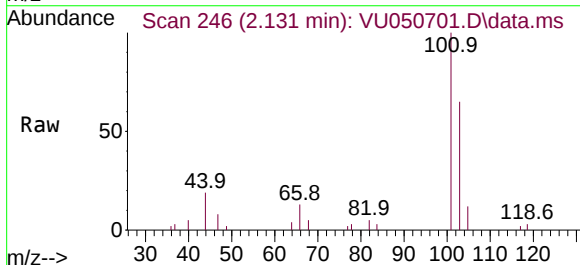
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

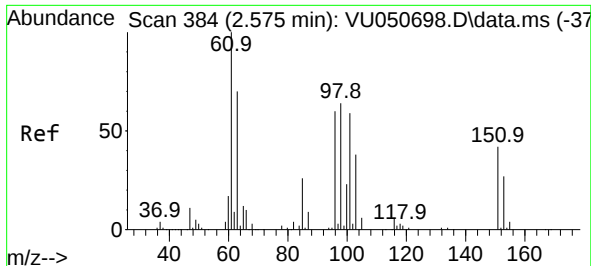
Tgt Ion: 64 Resp: 3244
Ion Ratio Lower Upper
64 100
66 26.8 21.9 40.7



#9
Trichlorofluoromethane
Concen: 1.805 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion: 101 Resp: 7176
Ion Ratio Lower Upper
101 100
103 71.1 51.4 77.0

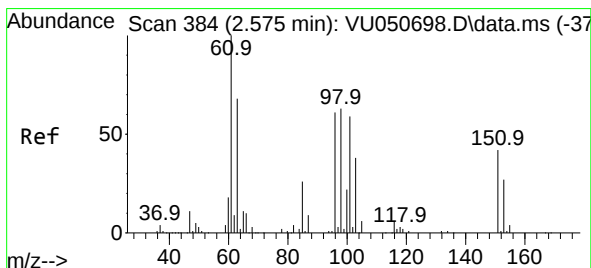
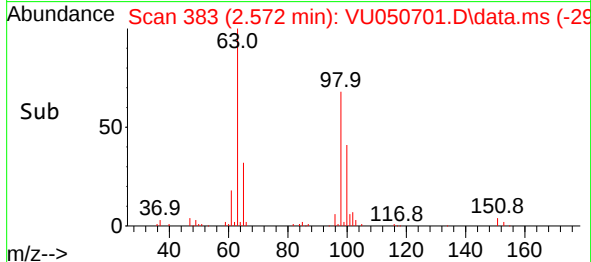
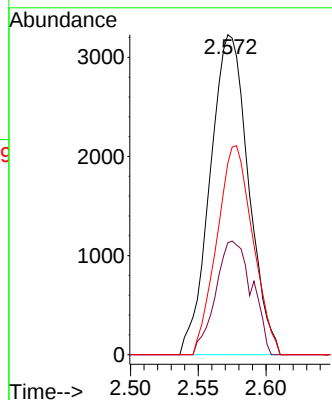
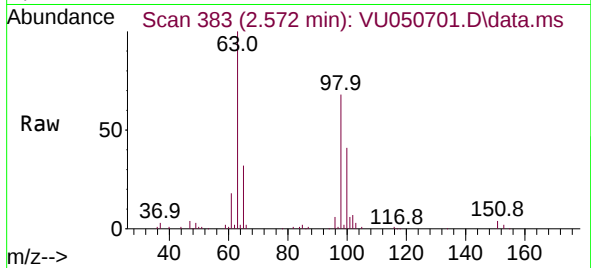




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.435 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU050701.D
 Acq: 09 Sep 2022 14:47

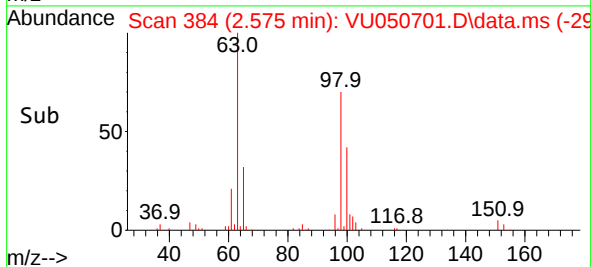
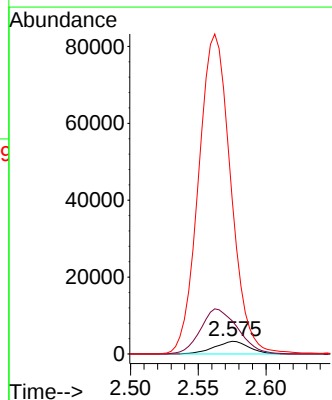
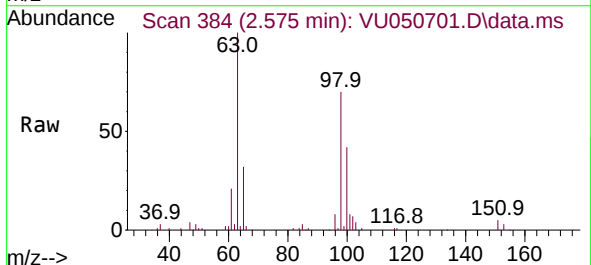
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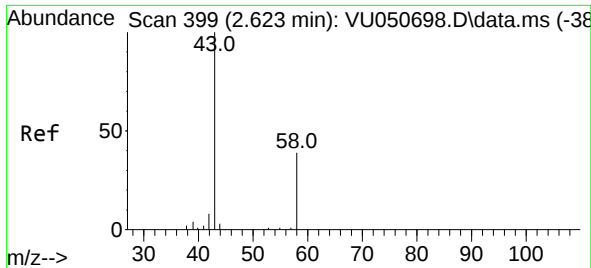
Tgt Ion:101 Resp: 6348
 Ion Ratio Lower Upper
 101 100
 85 28.3 34.4 51.6#
 151 61.4 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 2.289 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU050701.D
 Acq: 09 Sep 2022 14:47

Tgt Ion: 96 Resp: 5800
 Ion Ratio Lower Upper
 96 100
 61 260.8 118.0 219.1#
 63 1214.7 79.5 147.7#





#13

Acetone

Concen: 3.807 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

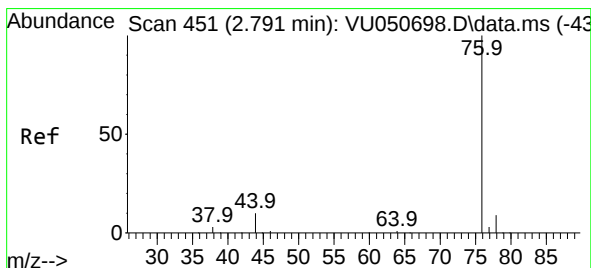
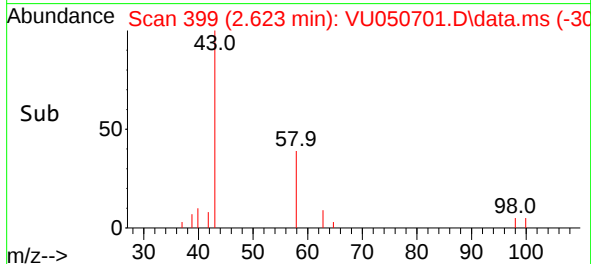
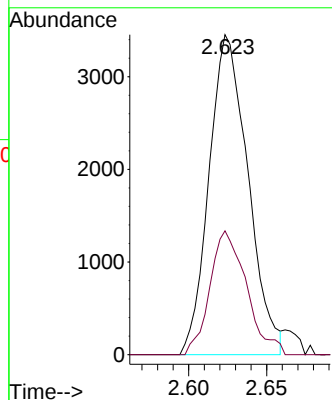
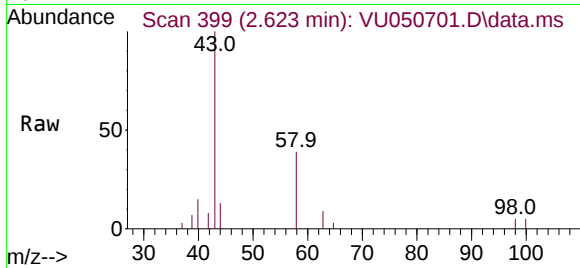
MDL-WATER-QT4-2022-07

Tgt Ion: 43 Resp: 5995

Ion Ratio Lower Upper

43 100

58 35.4 0.0 76.2



#14

Carbon disulfide

Concen: 1.729 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU050701.D

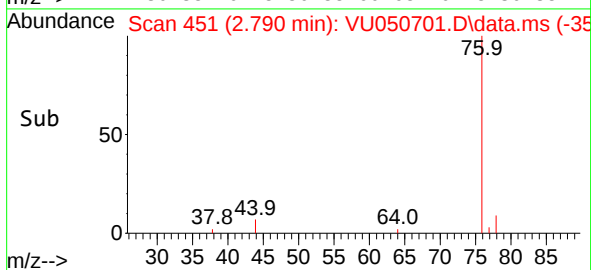
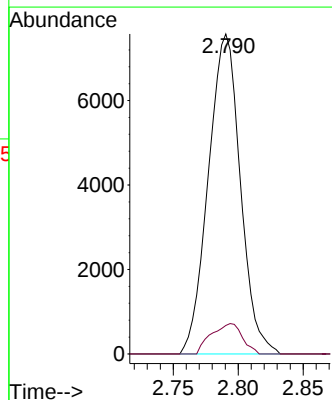
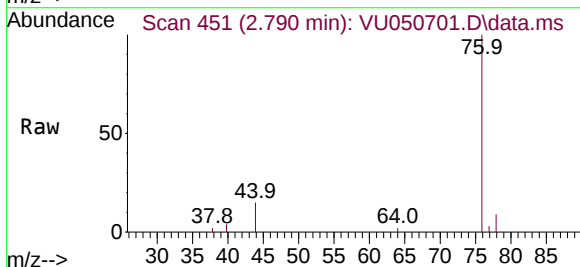
Acq: 09 Sep 2022 14:47

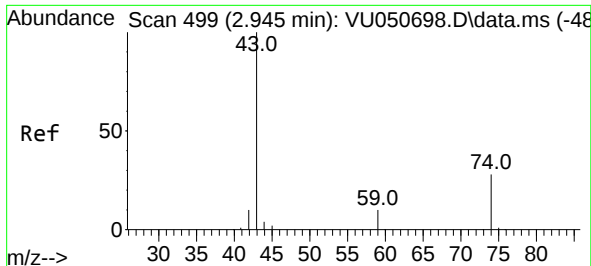
Tgt Ion: 76 Resp: 12987

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

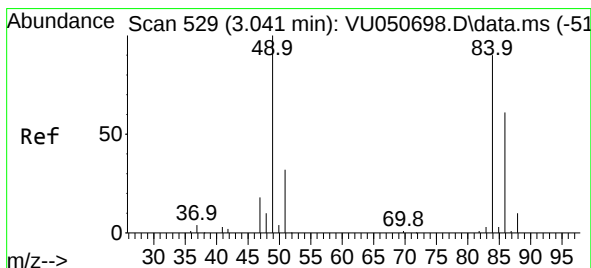
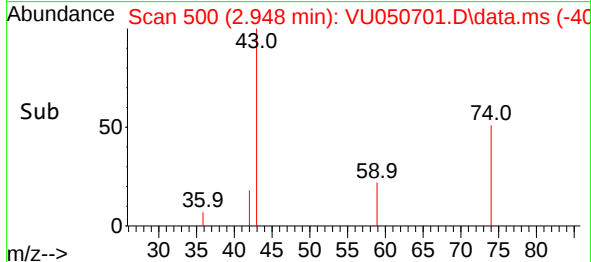
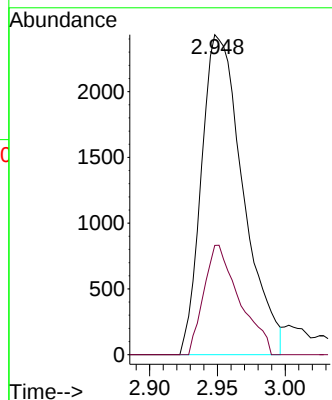
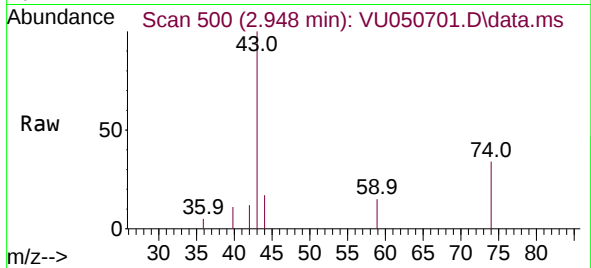




#15
Methyl Acetate
Concen: 1.560 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

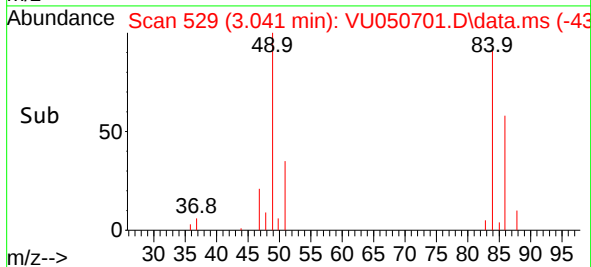
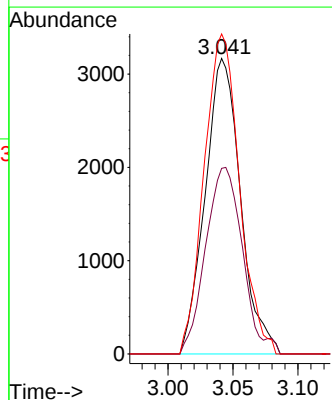
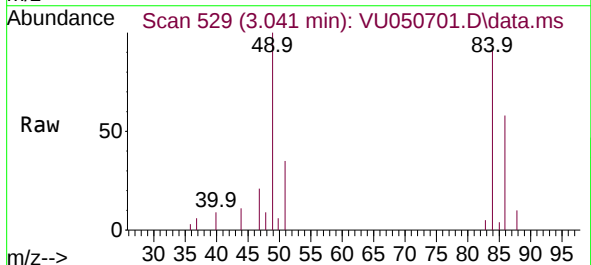
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

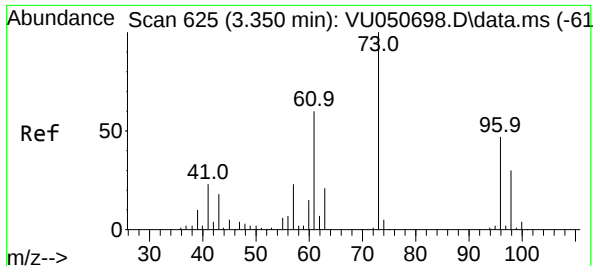
Tgt Ion: 43 Resp: 5195
Ion Ratio Lower Upper
43 100
74 29.2 21.2 31.8



#16
Methylene chloride
Concen: 1.805 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion: 84 Resp: 6002
Ion Ratio Lower Upper
84 100
86 62.8 44.8 83.2
49 108.3 80.6 149.8





#17

trans-1,2-Dichloroethene

Concen: 1.636 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-07

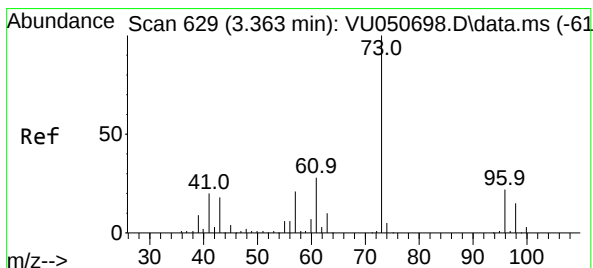
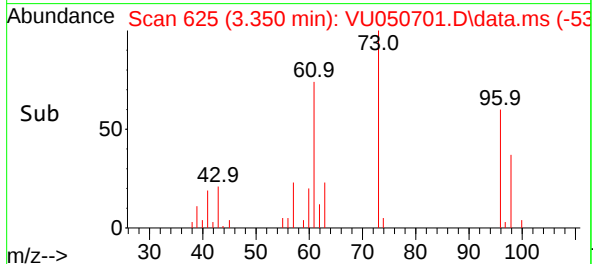
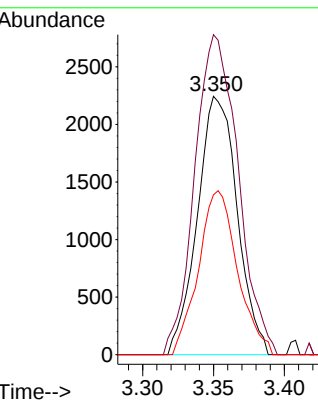
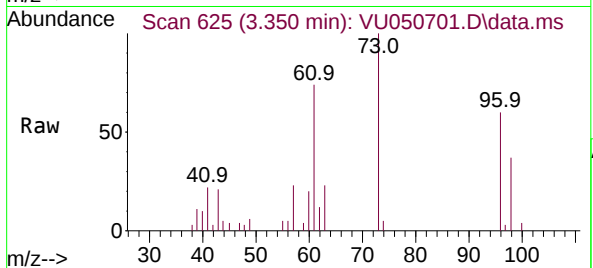
Tgt Ion: 96 Resp: 4395

Ion Ratio Lower Upper

96 100

61 123.8 97.9 181.7

98 61.9 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 1.489 ug/L

RT: 3.360 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

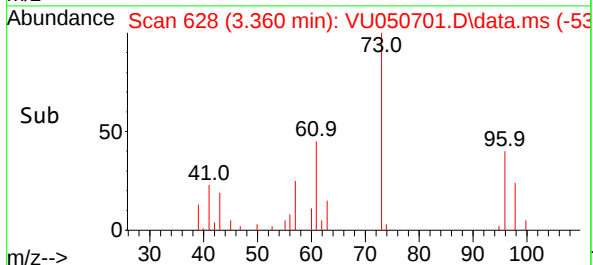
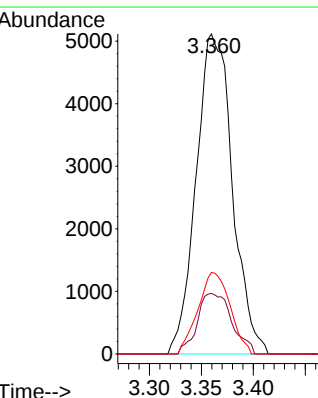
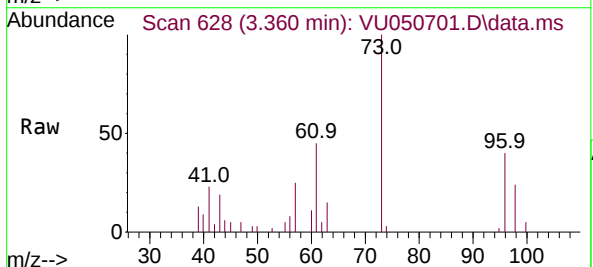
Tgt Ion: 73 Resp: 12399

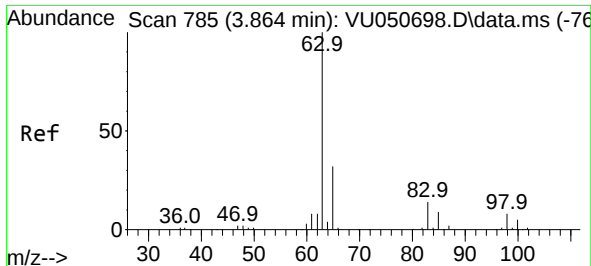
Ion Ratio Lower Upper

73 100

43 18.0 13.4 20.2

57 22.6 17.8 26.8





#19

1,1-Dichloroethane

Concen: 1.639 ug/L

RT: 3.868 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-07

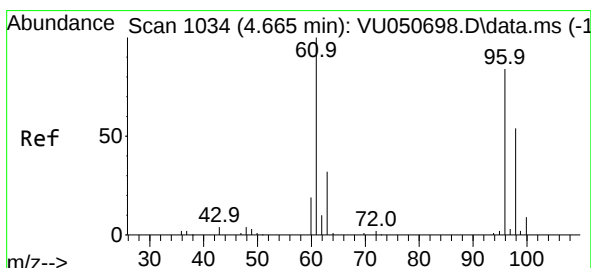
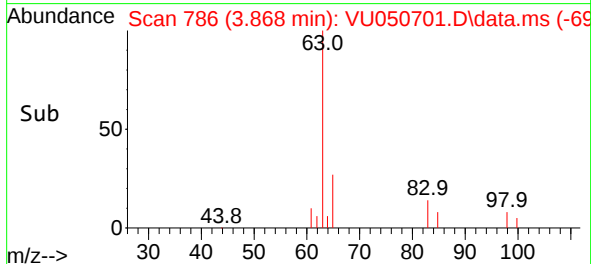
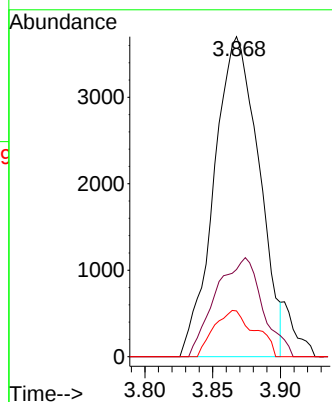
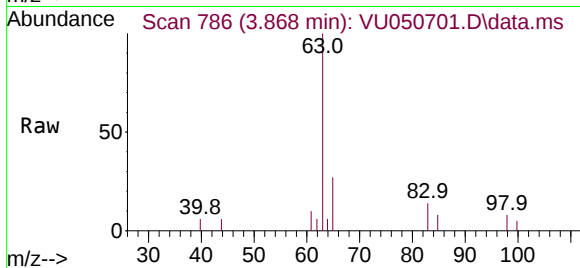
Tgt Ion: 63 Resp: 8494

Ion Ratio Lower Upper

63 100

65 27.3 22.4 41.6

83 14.3 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 1.615 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

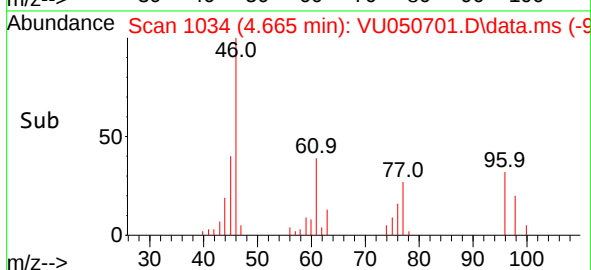
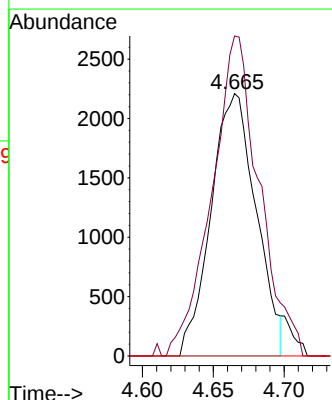
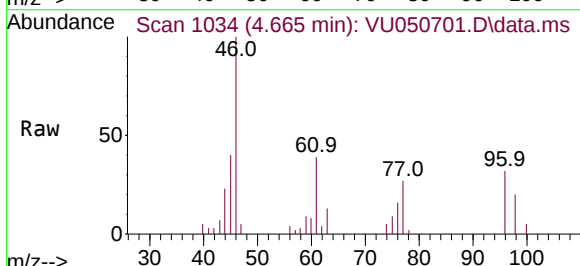
Tgt Ion: 96 Resp: 4894

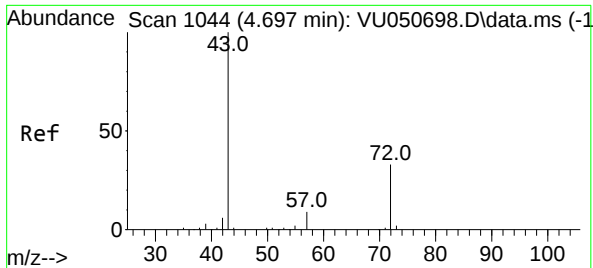
Ion Ratio Lower Upper

96 100

61 121.9 89.8 166.8

68 0.0 0.0 0.0

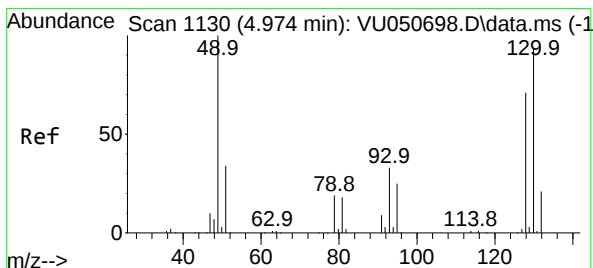
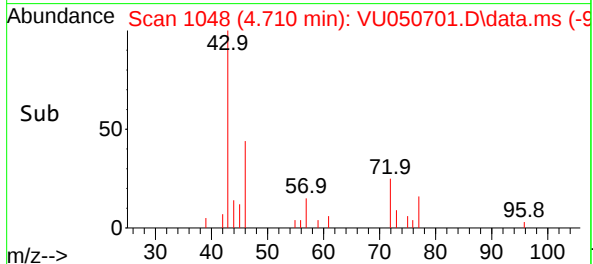
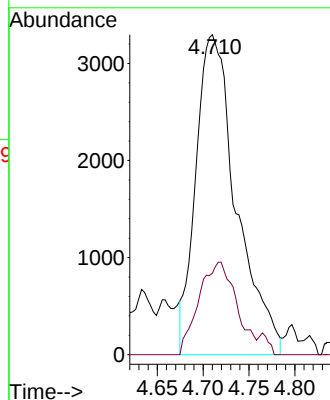
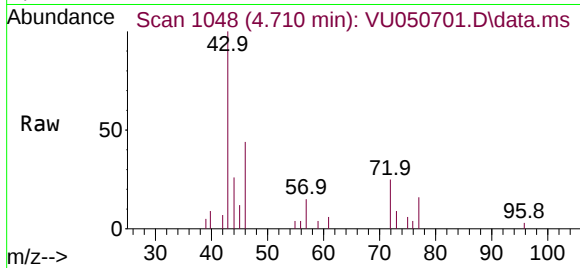




#22
2-Butanone
Concen: 4.116 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. 0.013 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

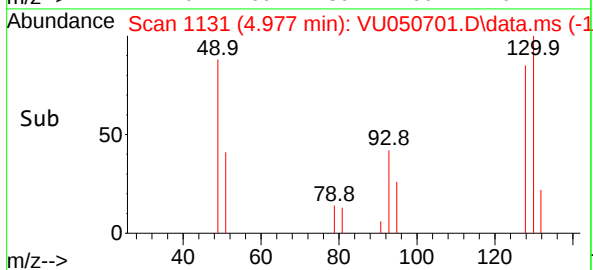
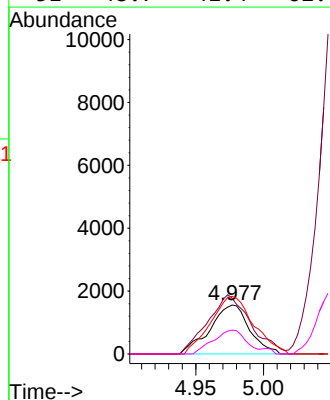
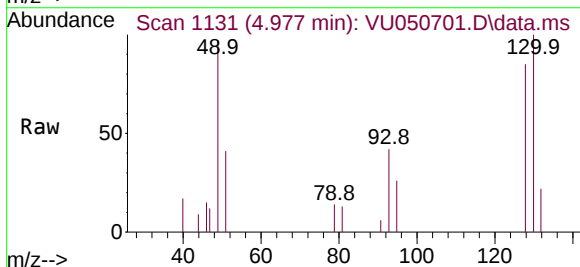
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

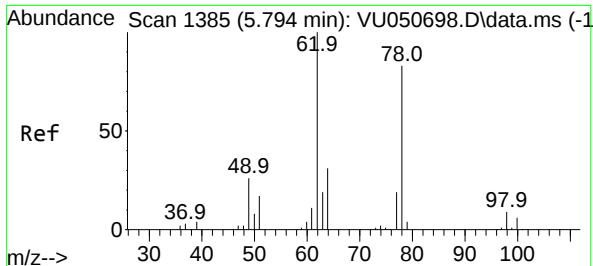
Tgt Ion: 43 Resp: 10140
Ion Ratio Lower Upper
43 100
72 25.2 14.6 44.0



#23
Bromochloromethane
Concen: 2.012 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion: 128 Resp: 3152
Ion Ratio Lower Upper
128 100
49 113.8 112.5 208.9
130 117.9 91.8 170.4
51 48.7 41.4 62.0





#27

1,2-Dichloroethane

Concen: 1.664 ug/L

RT: 5.797 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

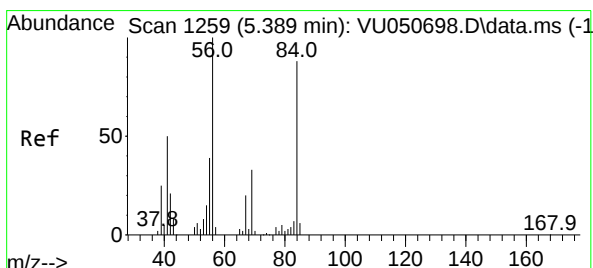
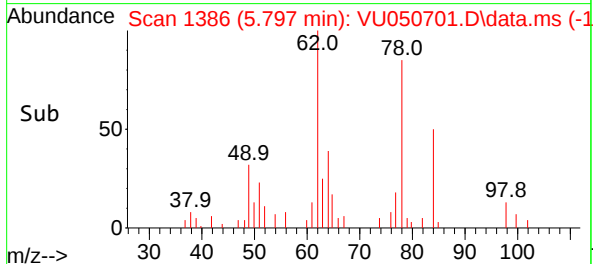
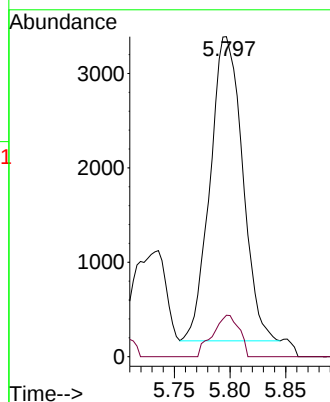
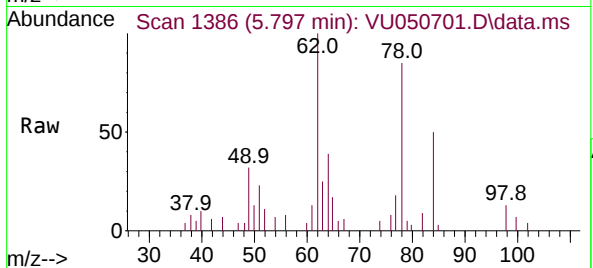
MDL-WATER-QT4-2022-07

Tgt Ion: 62 Resp: 6512

Ion Ratio Lower Upper

62 100

98 12.9 8.2 12.2#



#29

Cyclohexane

Concen: 1.441 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

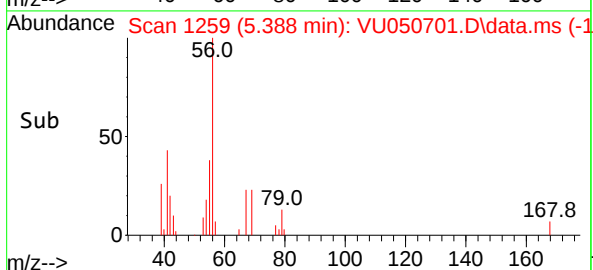
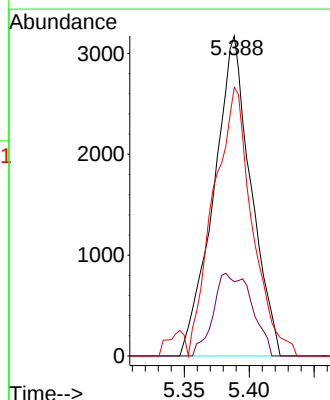
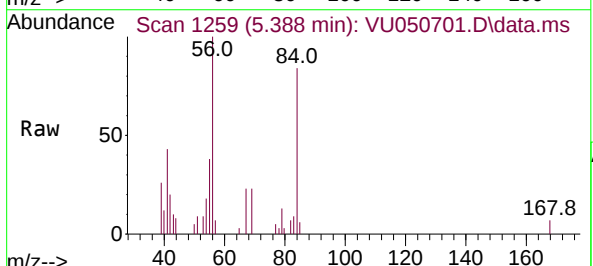
Tgt Ion: 56 Resp: 6319

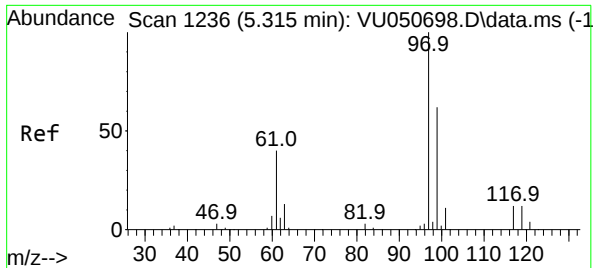
Ion Ratio Lower Upper

56 100

69 14.9 24.6 37.0#

84 87.3 67.4 101.2





#30

1,1,1-Trichloroethane

Concen: 1.844 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-07

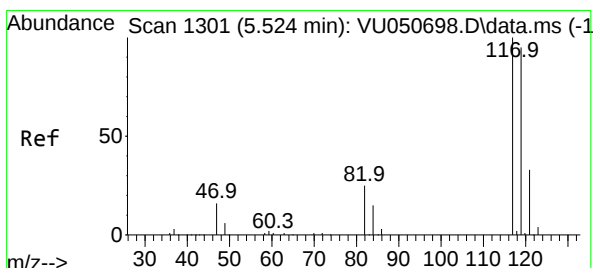
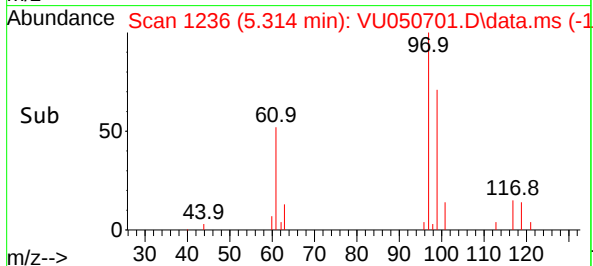
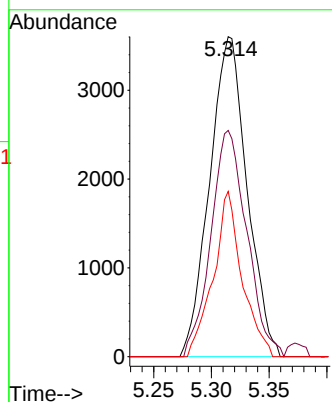
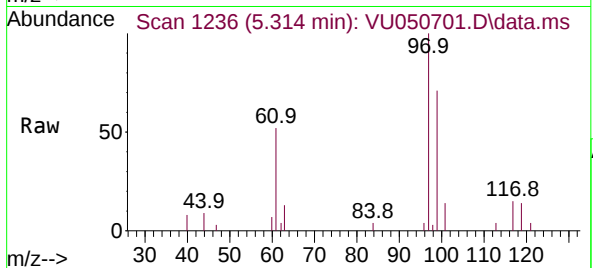
Tgt Ion: 97 Resp: 8132

Ion Ratio Lower Upper

97 100

99 67.9 51.2 76.8

61 39.6 34.2 51.4



#31

Carbon tetrachloride

Concen: 1.901 ug/L

RT: 5.520 min Scan# 1300

Delta R.T. -0.003 min

Lab File: VU050701.D

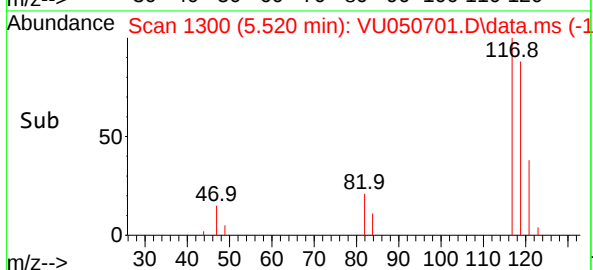
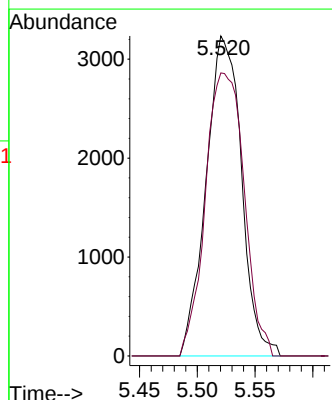
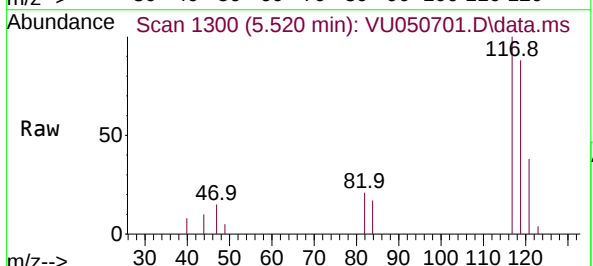
Acq: 09 Sep 2022 14:47

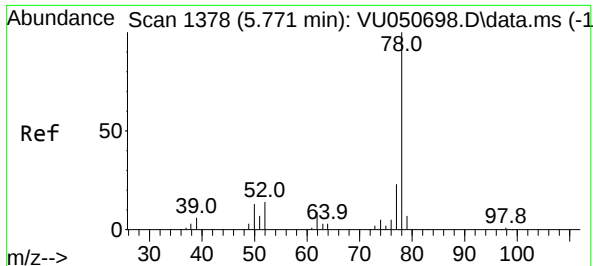
Tgt Ion: 117 Resp: 6870

Ion Ratio Lower Upper

117 100

119 97.1 77.4 116.2

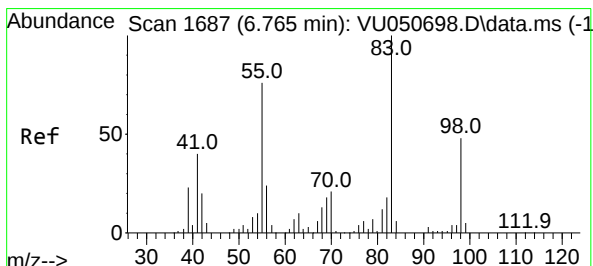
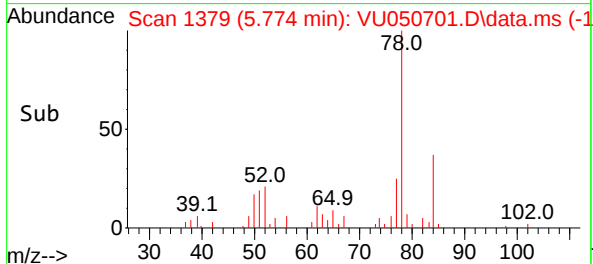
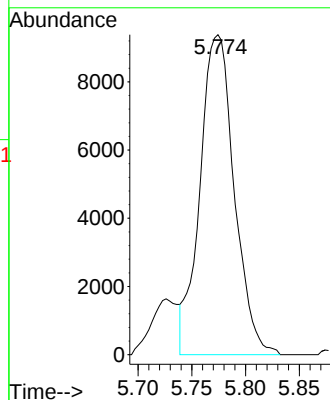
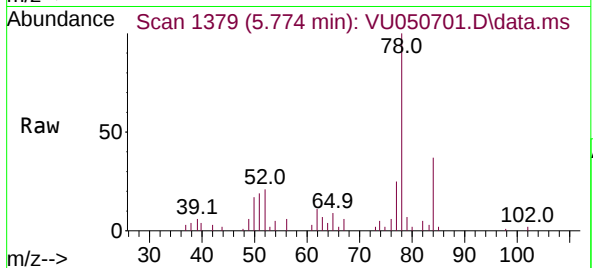




#33
Benzene
Concen: 1.748 ug/L
RT: 5.774 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

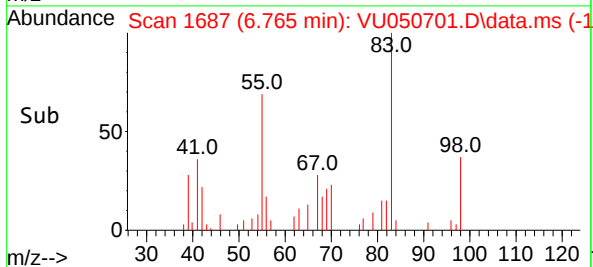
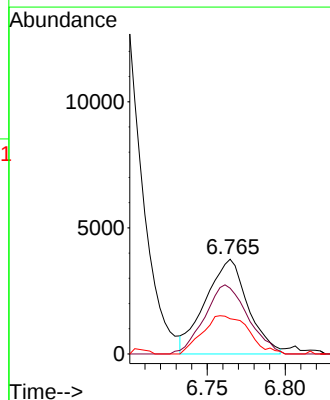
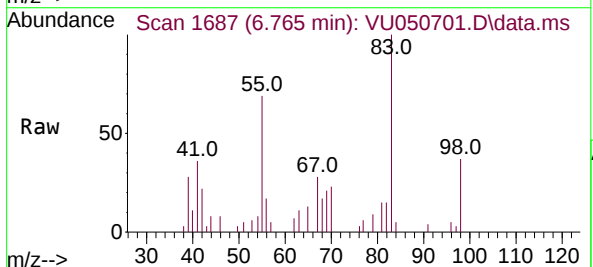
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

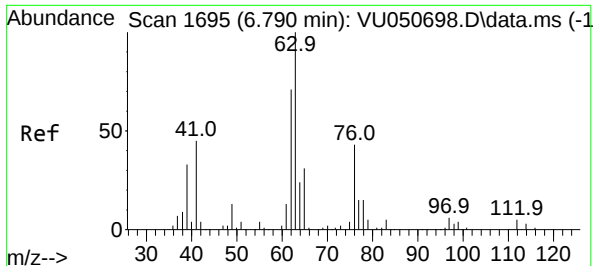
Tgt Ion: 78 Resp: 20836



#35
Methylcyclohexane
Concen: 1.609 ug/L
RT: 6.765 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion: 83 Resp: 7104
Ion Ratio Lower Upper
83 100
55 73.9 62.6 93.8
98 43.9 35.5 53.3

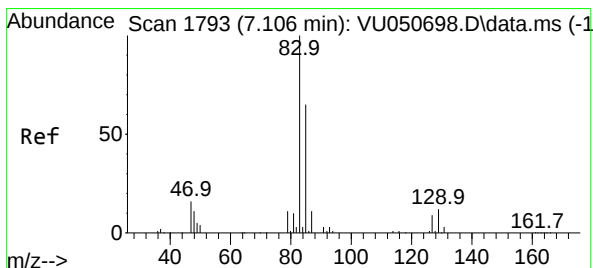
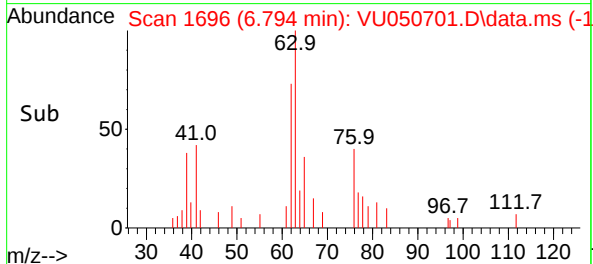
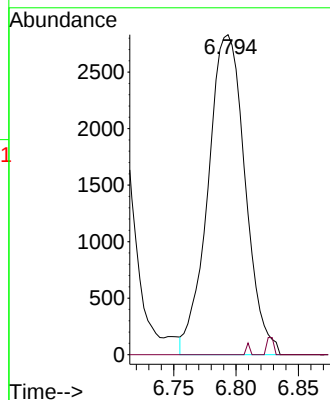
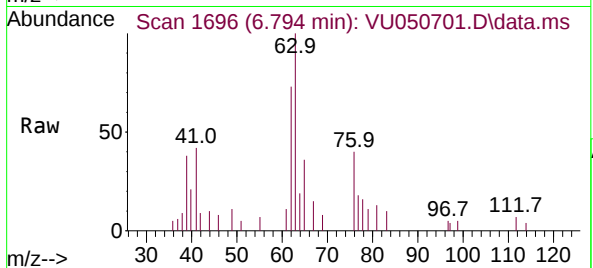




#37
1,2-Dichloropropane
Concen: 1.861 ug/L
RT: 6.794 min Scan# 1695
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

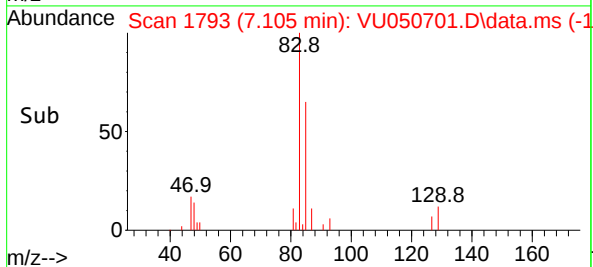
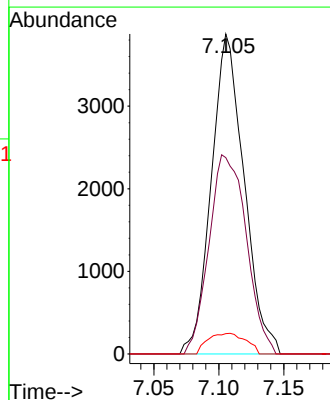
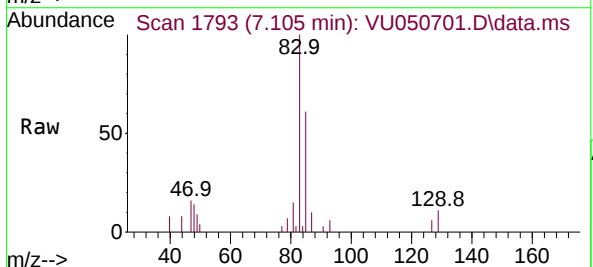
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

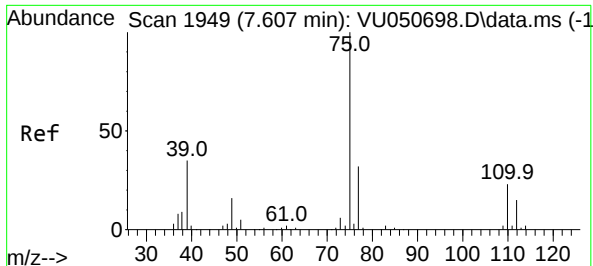
Tgt Ion: 63 Resp: 5860
Ion Ratio Lower Upper
63 100
112 1.0 3.0 4.4#



#38
Bromodichloromethane
Concen: 1.830 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion: 83 Resp: 6778
Ion Ratio Lower Upper
83 100
85 61.3 44.9 83.5
127 6.4 6.6 10.0#





#39

cis-1,3-Dichloropropene

Concen: 1.661 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

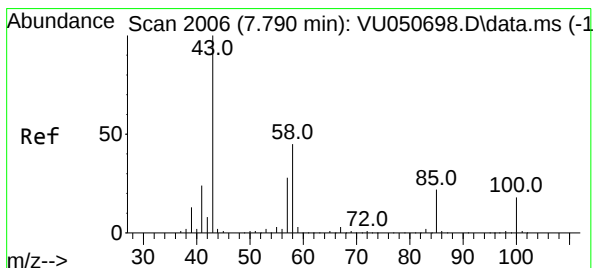
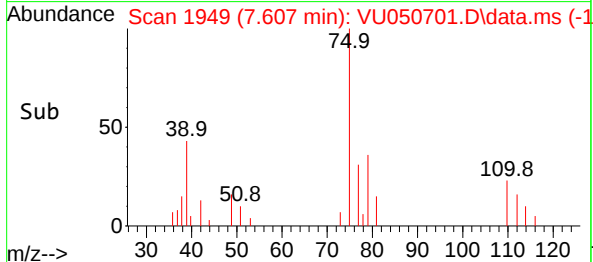
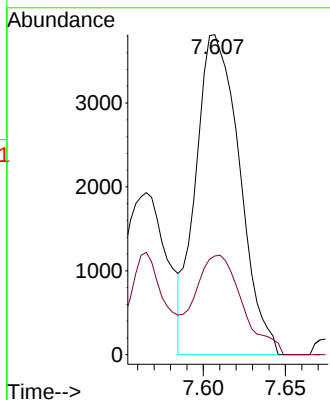
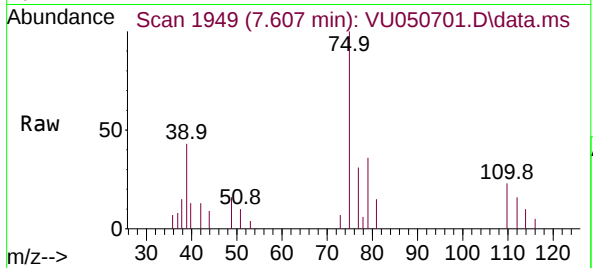
MDL-WATER-QT4-2022-07

Tgt Ion: 75 Resp: 7076

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 2.628 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

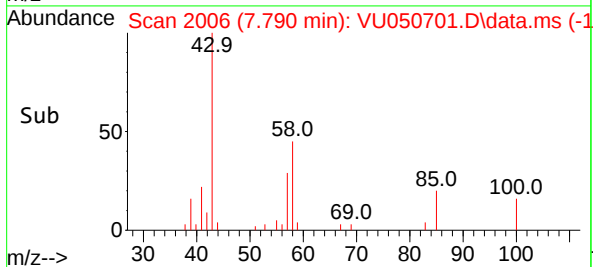
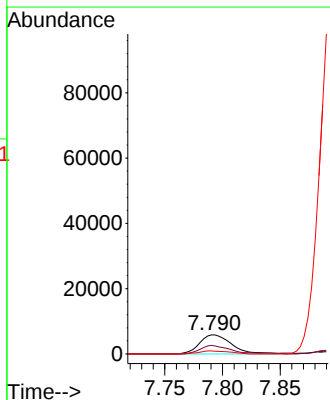
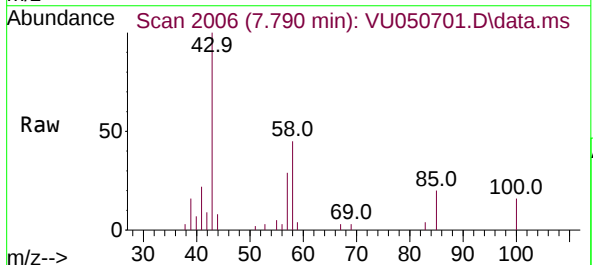
Tgt Ion: 43 Resp: 11275

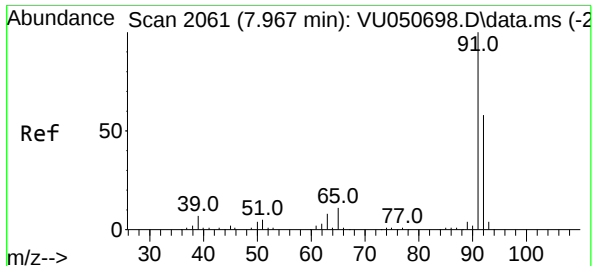
Ion Ratio Lower Upper

43 100

58 41.7 35.1 52.7

100 15.4 12.9 19.3





#42

Toluene

Concen: 1.665 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

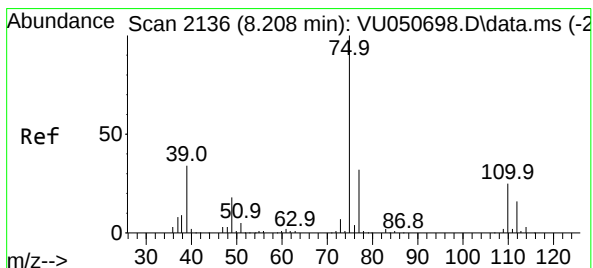
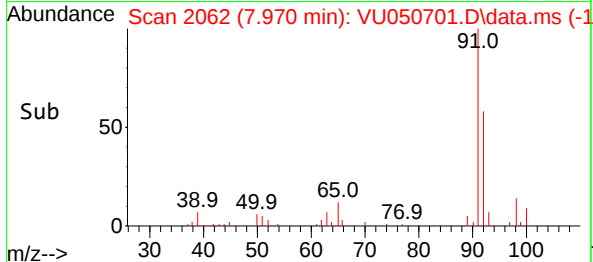
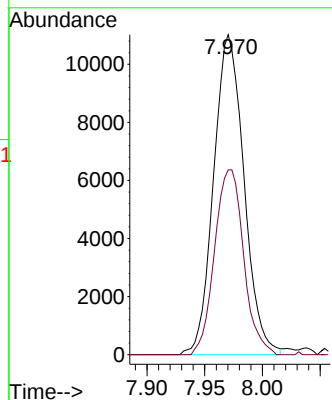
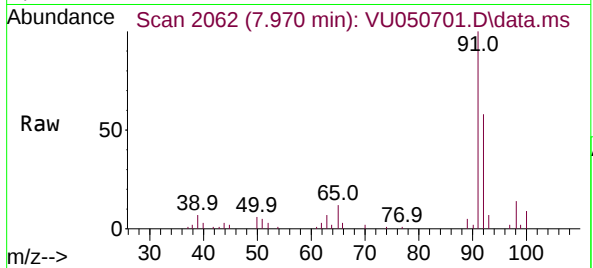
MDL-WATER-QT4-2022-07

Tgt Ion: 91 Resp: 20160

Ion Ratio Lower Upper

91 100

92 57.7 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 1.810 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU050701.D

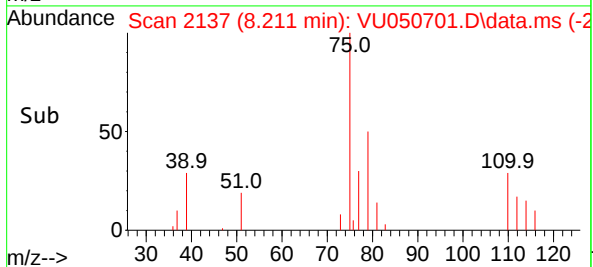
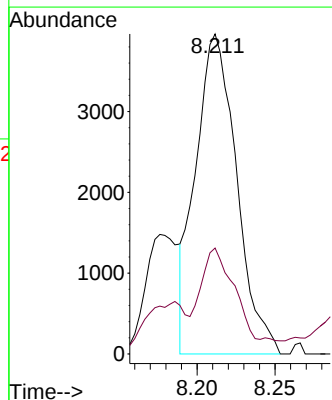
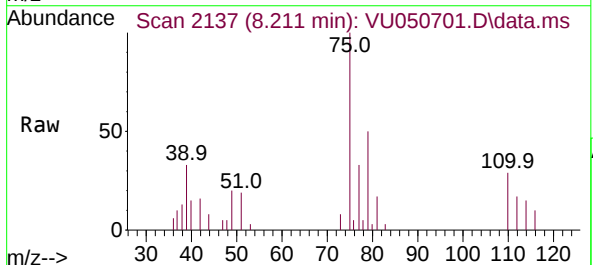
Acq: 09 Sep 2022 14:47

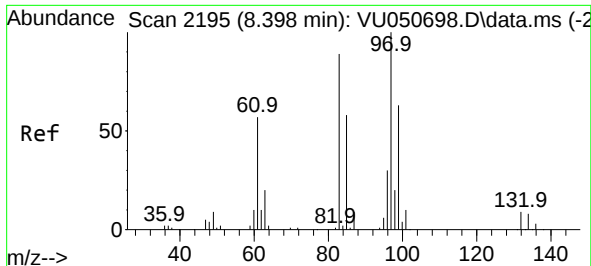
Tgt Ion: 75 Resp: 7235

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

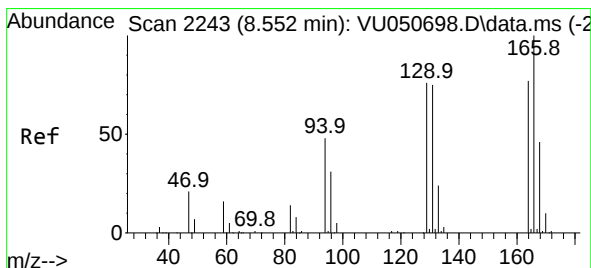
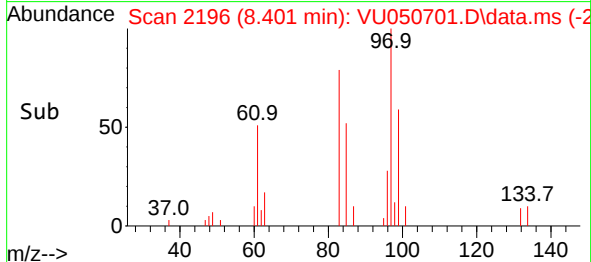
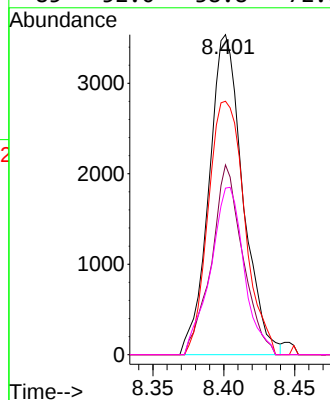
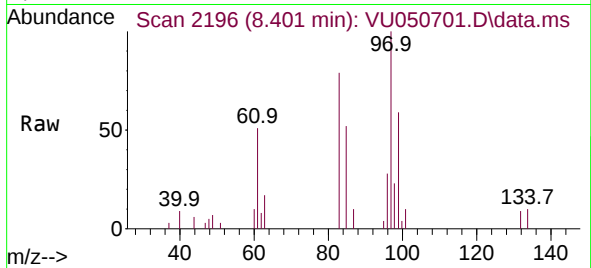




#45
1,1,2-Trichloroethane
Concen: 1.951 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

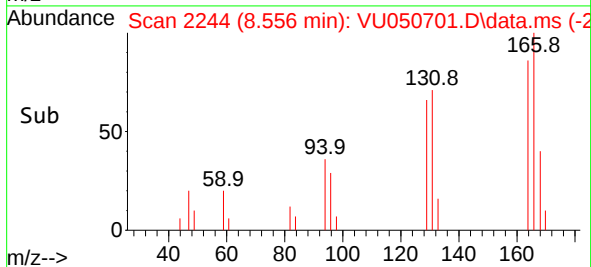
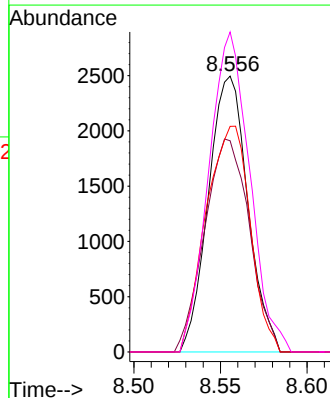
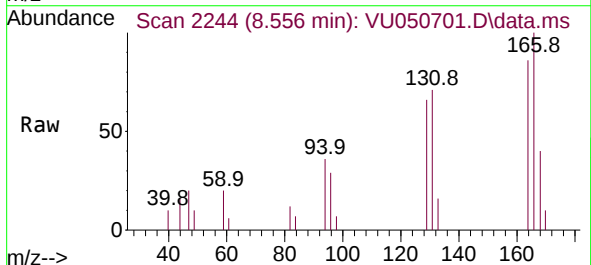
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2022-07

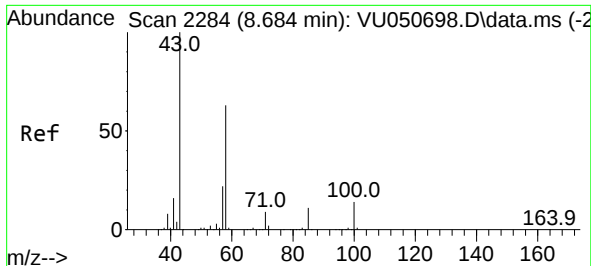
Tgt Ion: 97	Resp: 5901
Ion Ratio	Lower Upper
97 100	
99 59.3	43.5 80.9
83 79.2	61.6 114.4
85 52.0	38.8 72.0



#46
Tetrachloroethene
Concen: 1.949 ug/L
RT: 8.556 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion:164	Resp: 3953
Ion Ratio	Lower Upper
164 100	
129 76.5	68.7 127.5
131 81.8	66.2 123.0
166 116.0	87.7 162.9

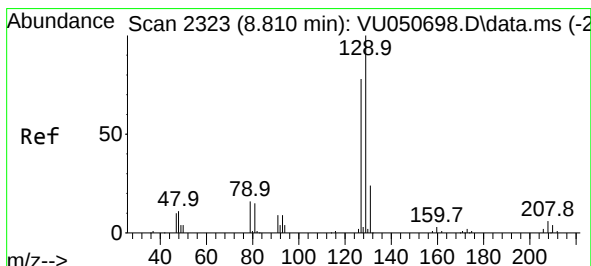
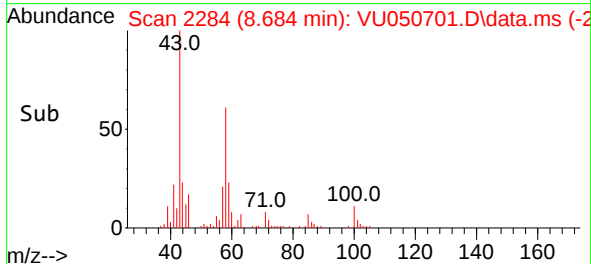
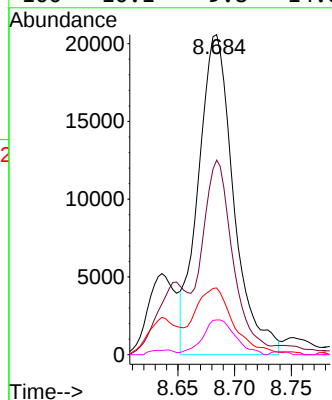
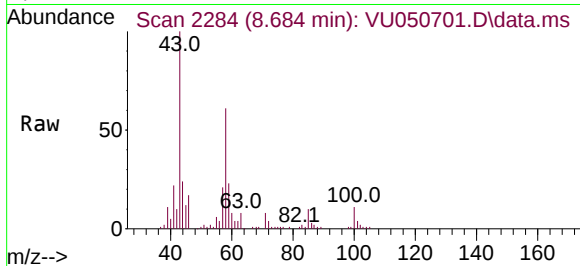




#48
2-Hexanone
Concen: 11.144 ug/L m
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

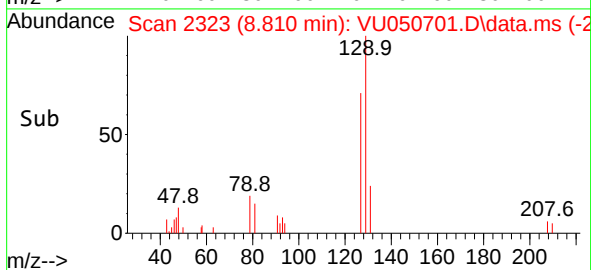
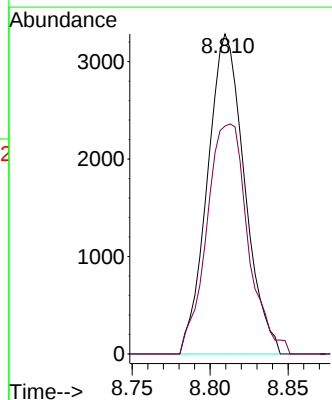
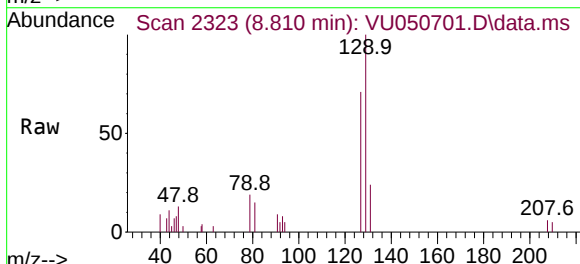
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

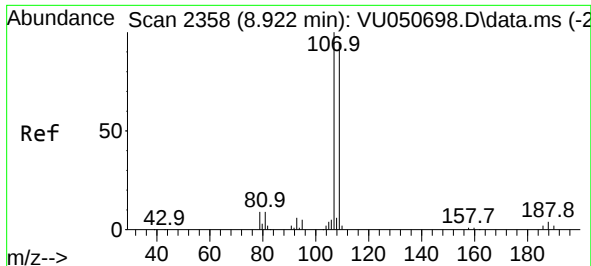
Tgt Ion: 43	Resp: 44619
Ion Ratio	Lower Upper
43 100	
58 48.4	51.8 77.6#
57 22.6	17.0 25.4
100 10.1	9.8 14.8



#49
Dibromochloromethane
Concen: 1.881 ug/L
RT: 8.810 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion:129	Resp:	5426	
Ion	Ratio	Lower	Upper
129	100		
127	71.2	53.8	100.0

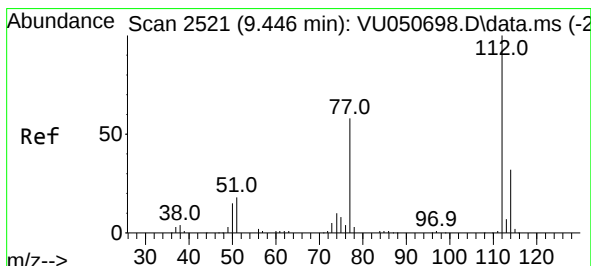
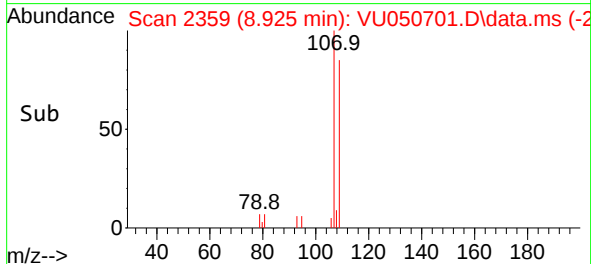
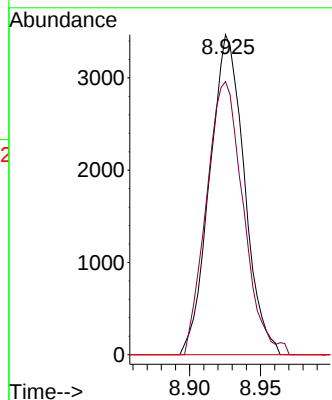
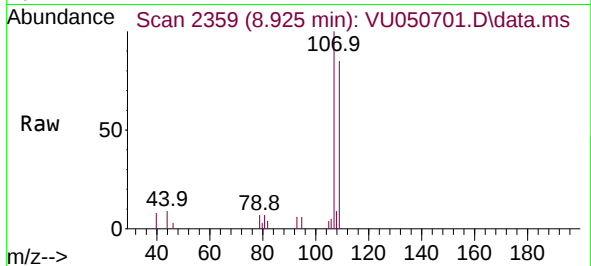




#50
1,2-Dibromoethane
Concen: 1.915 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

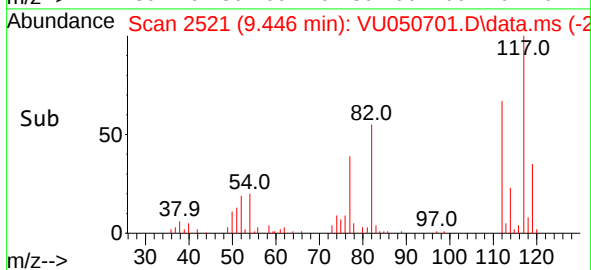
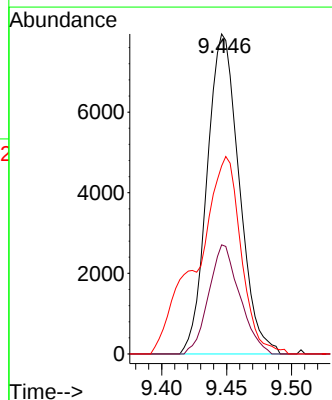
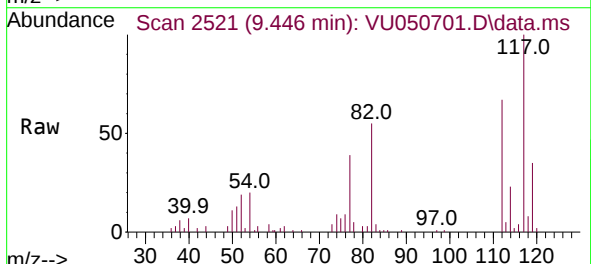
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

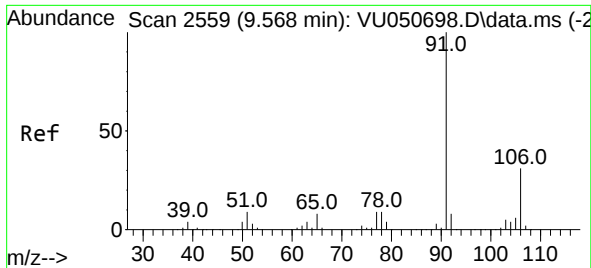
Tgt Ion:107 Resp: 5890
Ion Ratio Lower Upper
107 100
109 85.3 67.5 125.4
188 0.0 2.5 3.7#



#51
Chlorobenzene
Concen: 1.812 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion:112 Resp: 13615
Ion Ratio Lower Upper
112 100
114 36.4 22.1 41.1
77 58.8 49.2 73.8

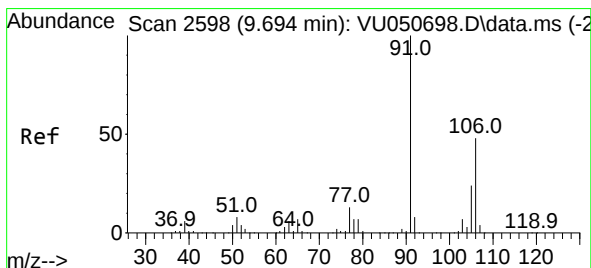
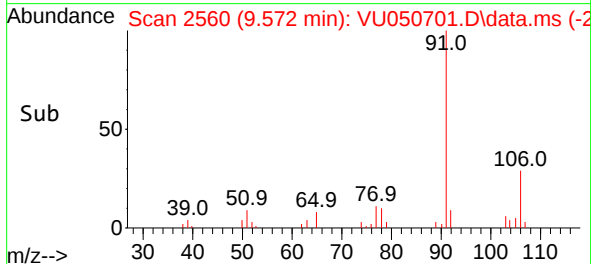
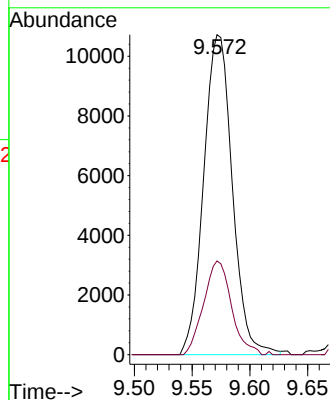
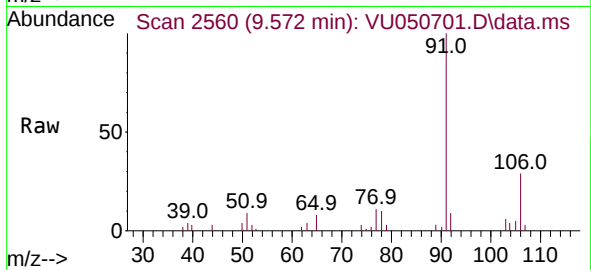




#52
Ethylbenzene
Concen: 1.545 ug/L
RT: 9.572 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

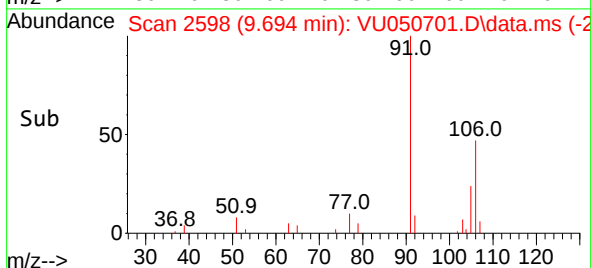
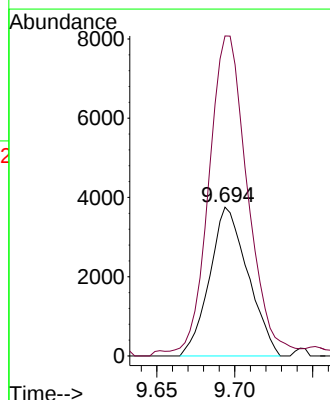
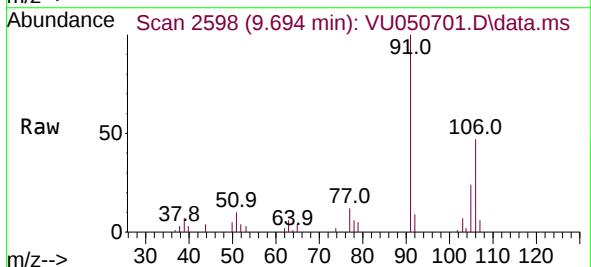
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

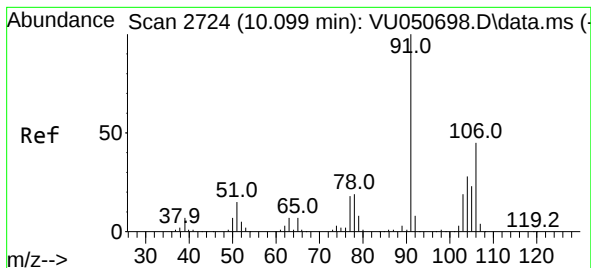
Tgt Ion: 91 Resp: 18481
Ion Ratio Lower Upper
91 100
106 32.5 21.2 39.4



#53
m,p-Xylene
Concen: 1.400 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion: 106 Resp: 6415
Ion Ratio Lower Upper
106 100
91 215.0 147.1 273.3





#54

o-Xylene

Concen: 1.483 ug/L

RT: 10.102 min Scan# 2724

Delta R.T. 0.003 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

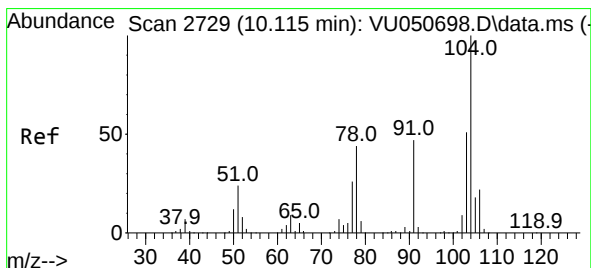
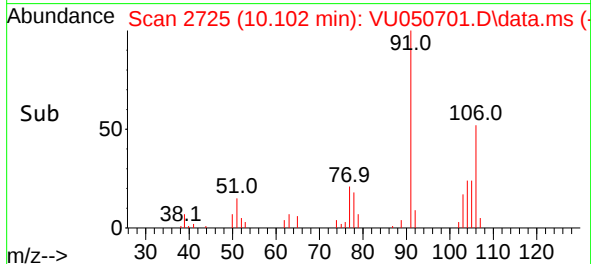
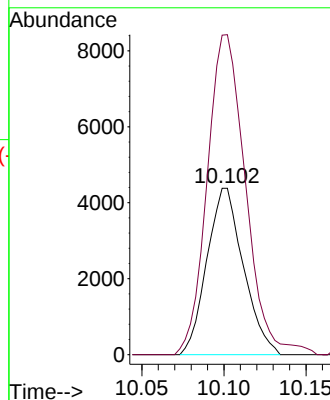
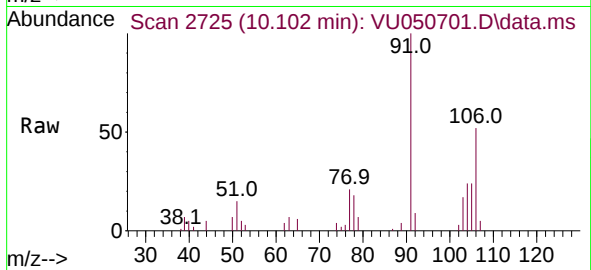
MDL-WATER-QT4-2022-07

Tgt Ion:106 Resp: 6766

Ion Ratio Lower Upper

106 100

91 192.3 153.4 284.8



#55

Styrene

Concen: 1.221 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.003 min

Lab File: VU050701.D

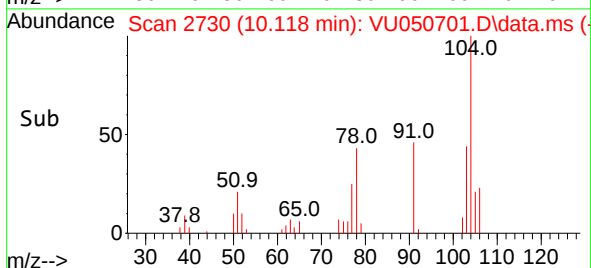
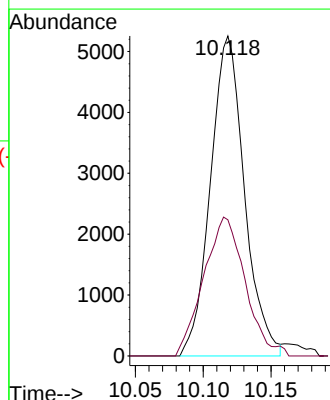
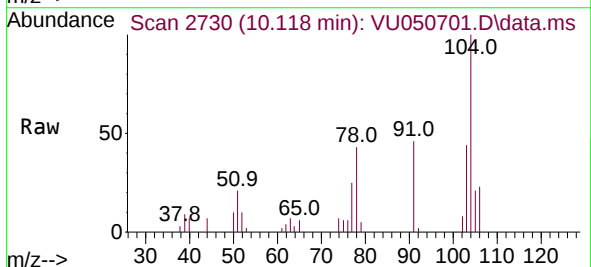
Acq: 09 Sep 2022 14:47

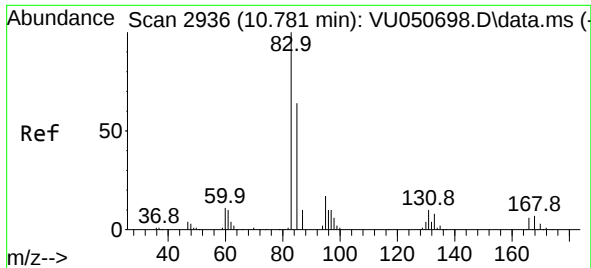
Tgt Ion:104 Resp: 9163

Ion Ratio Lower Upper

104 100

78 42.5 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 1.887 ug/L

RT: 10.784 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-07

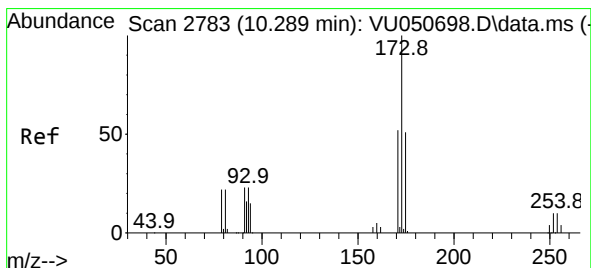
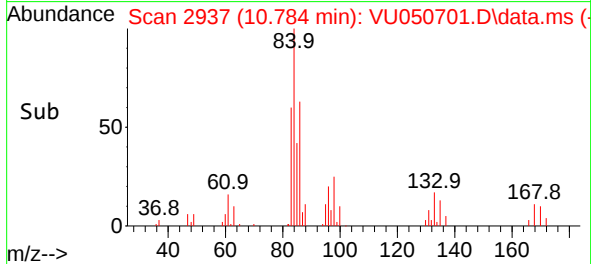
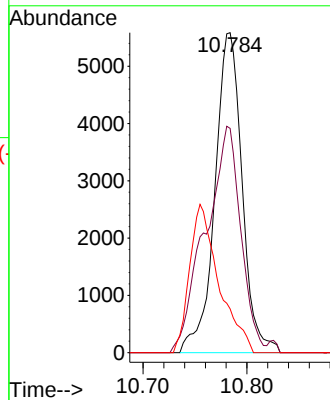
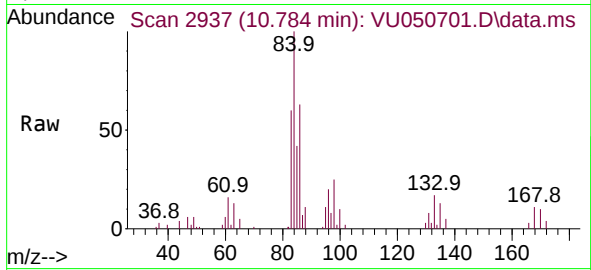
Tgt Ion: 83 Resp: 10166

Ion Ratio Lower Upper

83 100

85 70.1 45.5 84.5

131 13.7 7.7 11.5#



#59

Bromoform

Concen: 2.078 ug/L

RT: 10.289 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

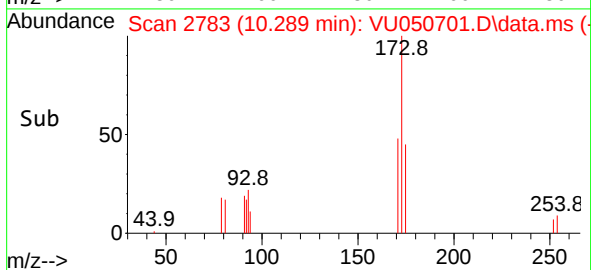
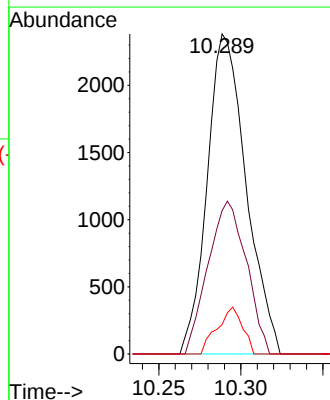
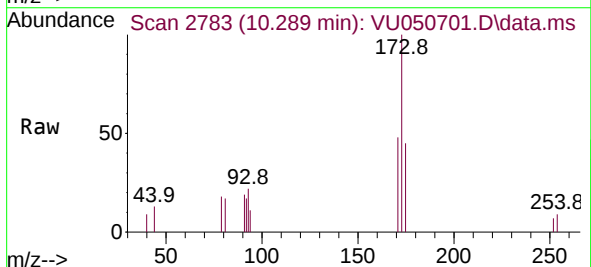
Tgt Ion:173 Resp: 3921

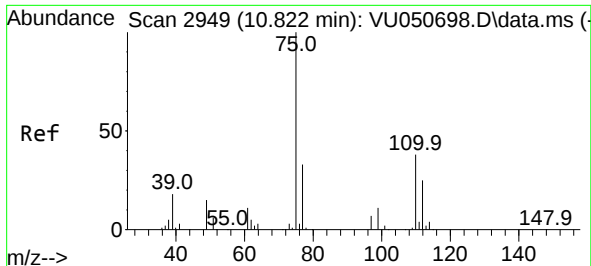
Ion Ratio Lower Upper

173 100

175 47.0 40.0 60.0

254 9.5 7.4 11.0

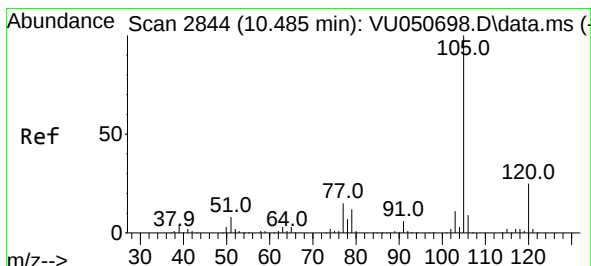
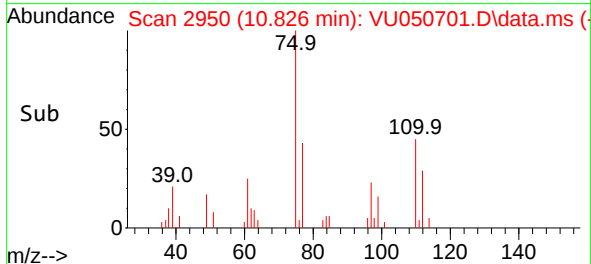
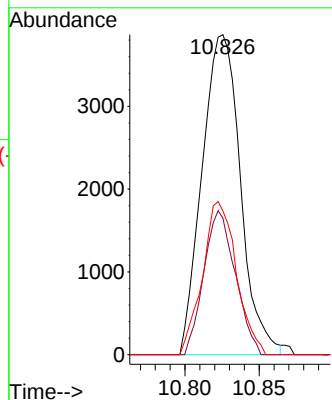
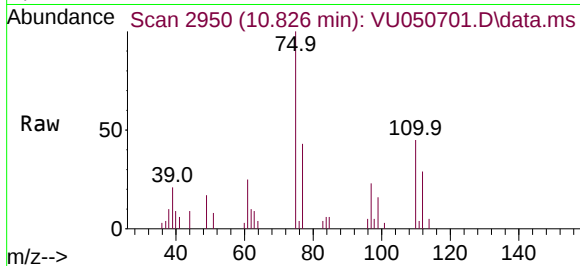




#60
1,2,3-Trichloropropane
Concen: 1.871 ug/L
RT: 10.826 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

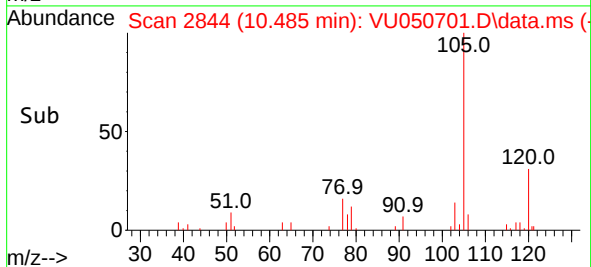
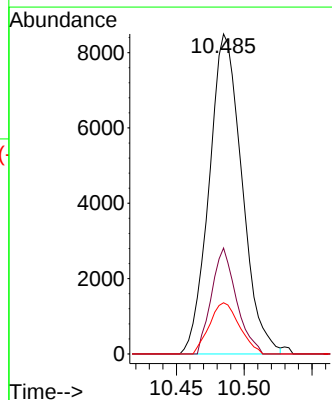
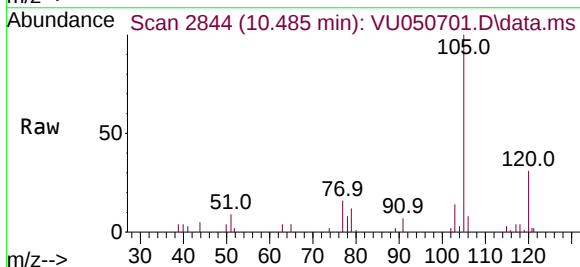
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2022-07

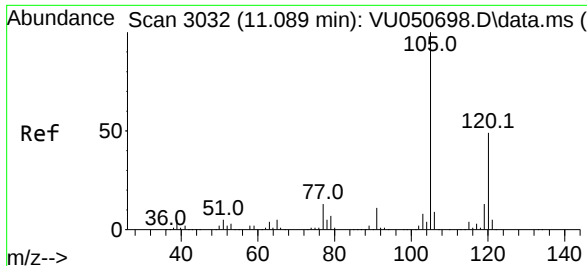
Tgt Ion: 75	Resp: 6945
Ion Ratio	Lower Upper
75 100	
77 37.0	25.8 38.8
110 42.1	29.3 43.9



#61
Isopropylbenzene
Concen: 1.426 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU050701.D
Acq: 09 Sep 2022 14:47

Tgt Ion:105	Resp:	14279	
Ion Ratio	Lower	Upper	
105 100			
120 25.1	20.4	30.6	
77 14.6	12.8	19.2	

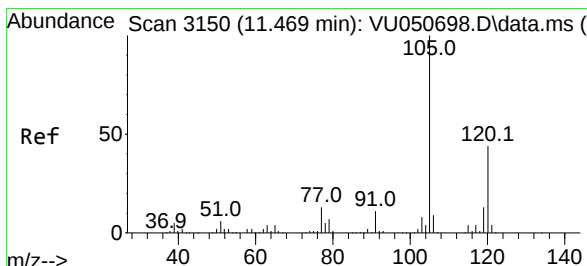
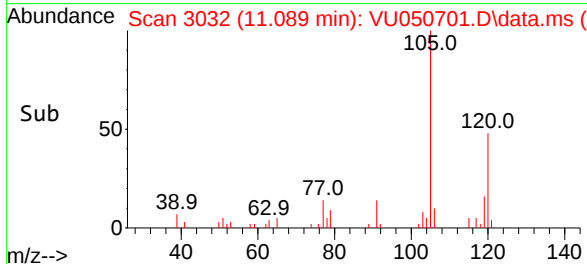
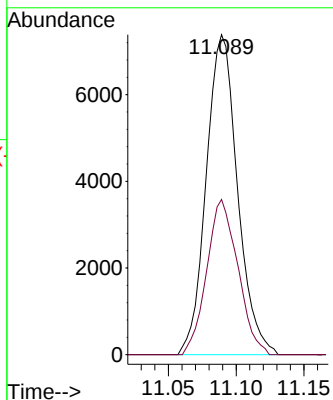
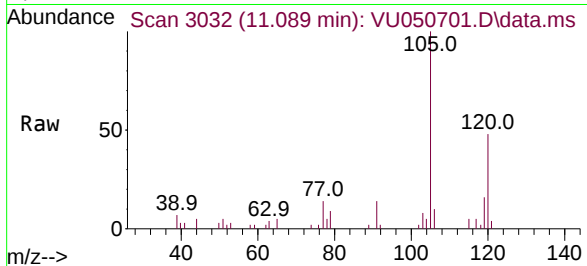




#62
 1,3,5-Trimethylbenzene
 Concen: 1.386 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU050701.D
 Acq: 09 Sep 2022 14:47

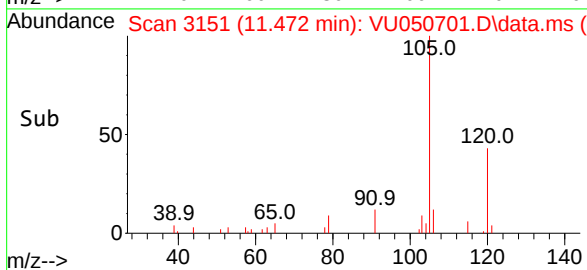
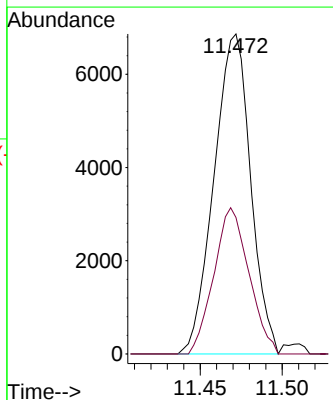
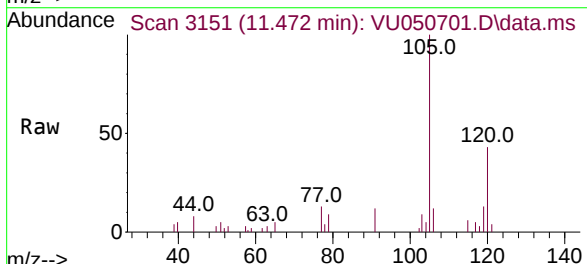
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2022-07

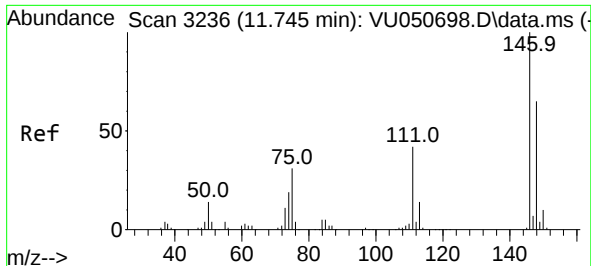
Tgt Ion:105 Resp: 11868
 Ion Ratio Lower Upper
 105 100
 120 48.2 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 1.295 ug/L
 RT: 11.472 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VU050701.D
 Acq: 09 Sep 2022 14:47

Tgt Ion:105 Resp: 10643
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.3 52.9





#64

1,3-Dichlorobenzene

Concen: 1.750 ug/L

RT: 11.748 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050701.D

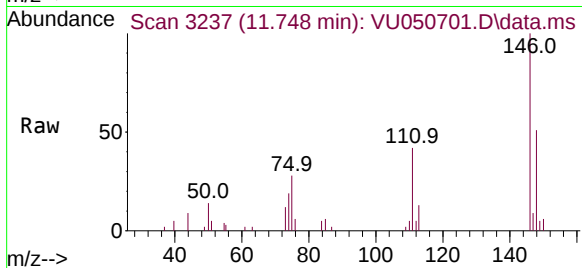
Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-07



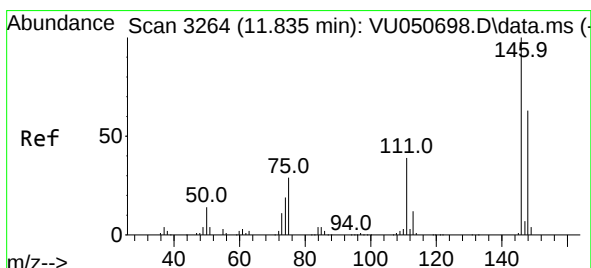
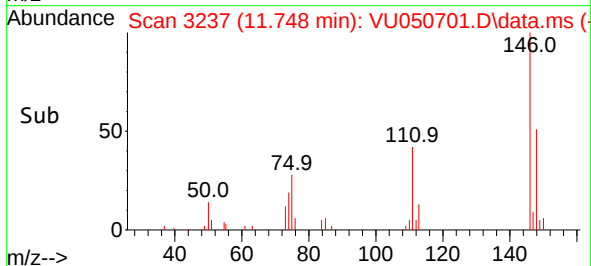
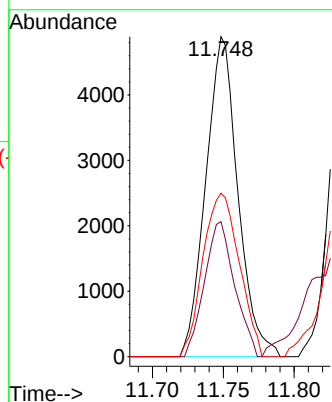
Tgt Ion:146 Resp: 7711

Ion Ratio Lower Upper

146 100

111 42.2 29.9 55.5

148 51.1 45.5 84.5



#65

1,4-Dichlorobenzene

Concen: 1.982 ug/L

RT: 11.838 min Scan# 3265

Delta R.T. 0.003 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

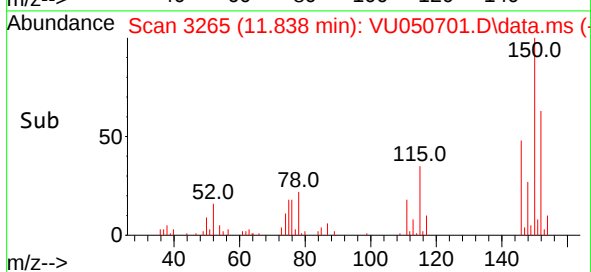
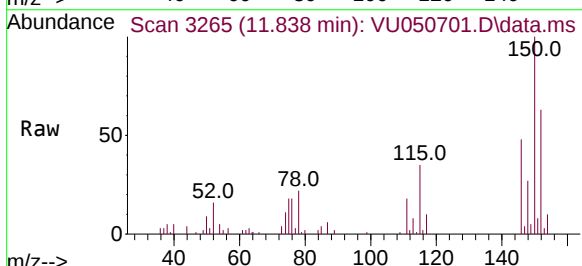
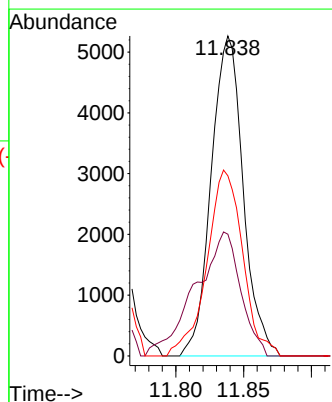
Tgt Ion:146 Resp: 8632

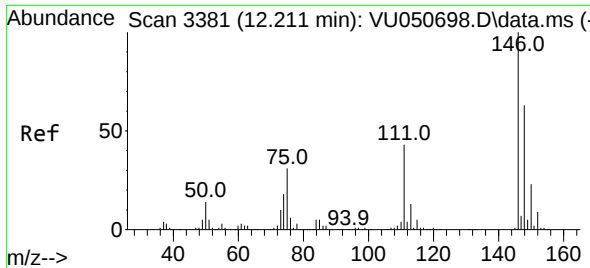
Ion Ratio Lower Upper

146 100

111 38.0 27.9 51.7

148 67.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 1.925 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU050701.D

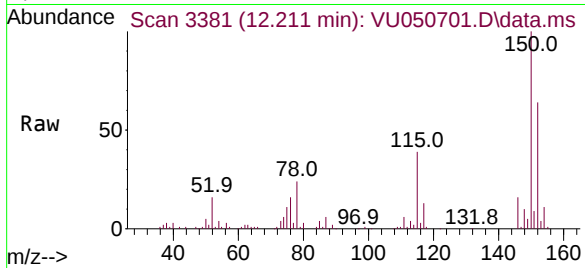
Acq: 09 Sep 2022 14:47

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2022-07



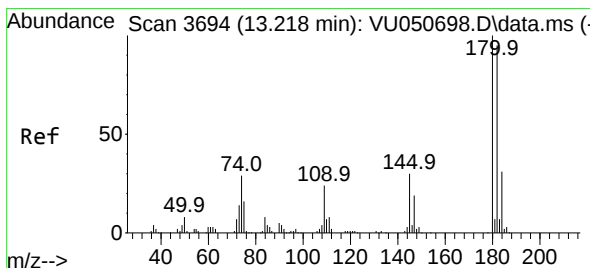
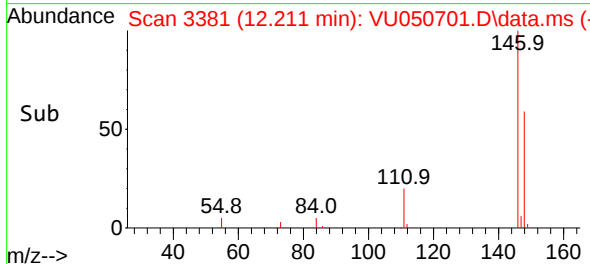
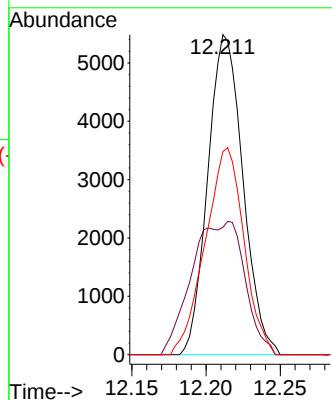
Tgt Ion:146 Resp: 9033

Ion Ratio Lower Upper

146 100

111 39.8 35.1 52.7

148 63.5 51.8 77.6



#69

1,3,5-Trichlorobenzene

Concen: 1.619 ug/L

RT: 13.224 min Scan# 3696

Delta R.T. 0.006 min

Lab File: VU050701.D

Acq: 09 Sep 2022 14:47

Tgt Ion:180 Resp: 5175

Ion Ratio Lower Upper

180 100

182 91.0 75.3 112.9

184 27.5 23.8 35.8

145 29.3 24.0 36.0

