

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040723\
 Data File : U053595.D
 Acq On : 07 Apr 2023 11:54
 Operator : JC/MD
 Sample : 02215-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Apr 08 00:01:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	255572	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.413	117	237244	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	120841	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	96278	48.380	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.760%		
7) Chloroethane-d5	1.909	69	79065	51.529	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.060%		
11) 1,1-Dichloroethene-d2	2.565	63	115421	37.468	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.940%		
21) 2-Butanone-d5	4.613	46	105567	117.166	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	117.170%		
24) Chloroform-d	5.057	84	154535	46.954	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.900%		
26) 1,2-Dichloroethane-d4	5.697	65	100521	51.688	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.380%		
32) Benzene-d6	5.722	84	324493	50.671	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.340%		
36) 1,2-Dichloropropane-d6	6.684	67	100301	51.243	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.480%		
41) Toluene-d8	7.893	98	307056	48.242	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.480%		
43) trans-1,3-Dichloroprop...	8.176	79	49604	49.095	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.180%		
47) 2-Hexanone-d5	8.626	63	78270	117.166	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	117.170%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	140932	51.084	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.160%		
66) 1,2-Dichlorobenzene-d4	12.188	152	118820	47.106	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	5505	2.654	ug/L	92
3) Chloromethane	1.520	50	5666	3.324	ug/L	95
5) Vinyl chloride	1.603	62	6597	3.340	ug/L #	64
6) Bromomethane	1.851	94	4350	3.026	ug/L	97
8) Chloroethane	1.931	64	3894	3.278	ug/L	90
9) Trichlorofluoromethane	2.137	101	8642	2.844	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	5465	3.106	ug/L #	81
12) 1,1-Dichloroethene	2.574	96	5120	3.265	ug/L #	1
13) Acetone	2.619	43	5599	6.915	ug/L	98
14) Carbon disulfide	2.787	76	11344	2.735	ug/L	96
15) Methyl Acetate	2.947	43	3829	3.087	ug/L	96
17) trans-1,2-Dichloroethene	3.349	96	4380	2.779	ug/L	88
18) Methyl tert-butyl Ether	3.359	73	12523	2.726	ug/L #	90
19) 1,1-Dichloroethane	3.867	63	8206	3.143	ug/L	90
20) cis-1,2-Dichloroethene	4.661	96	5200	2.856	ug/L	86
22) 2-Butanone	4.706	43	6664	6.793	ug/L	73
23) Bromochloromethane	4.970	128	2497	2.463	ug/L	84
25) Chloroform	5.082	83	10560	3.527	ug/L	98
27) 1,2-Dichloroethane	5.790	62	6017	2.744	ug/L #	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
 Data File : VU053595.D
 Acq On : 07 Apr 2023 11:54
 Operator : JC/MD
 Sample : 02215-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Apr 08 00:01:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

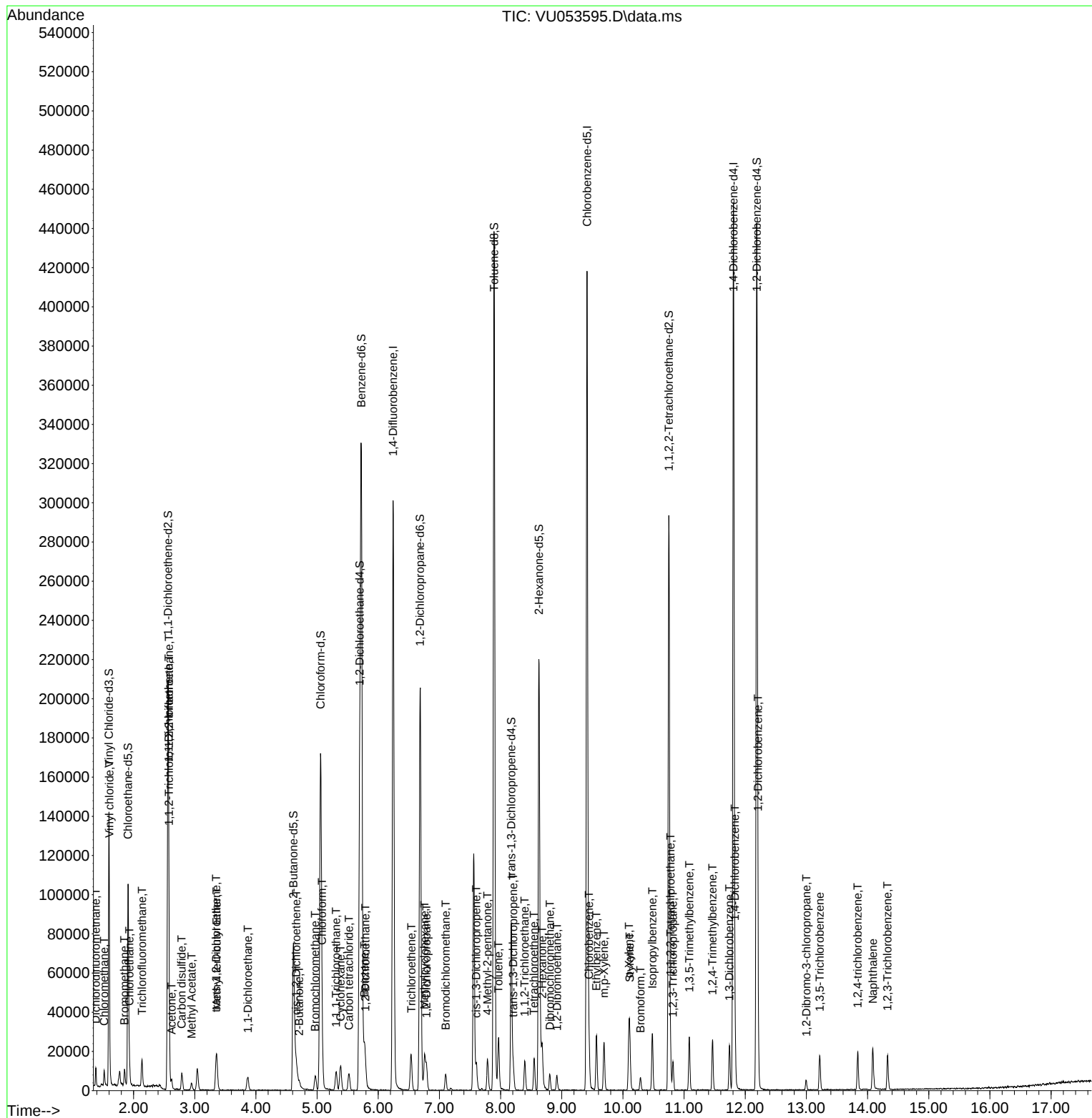
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	6621	2.899	ug/L #	91
30) 1,1,1-Trichloroethane	5.311	97	7555	2.890	ug/L	98
31) Carbon tetrachloride	5.520	117	5598	2.390	ug/L	89
33) Benzene	5.774	78	18121	2.932	ug/L	100
34) Trichloroethene	6.542	95	5165	2.763	ug/L	97
35) Methylcyclohexane	6.758	83	7138	2.597	ug/L	97
37) 1,2-Dichloropropane	6.787	63	4498	2.866	ug/L #	91
38) Bromodichloromethane	7.102	83	5818	2.779	ug/L	95
39) cis-1,3-Dichloropropene	7.603	75	7485	2.918	ug/L	97
40) 4-Methyl-2-pentanone	7.786	43	10772	6.316	ug/L	95
42) Toluene	7.967	91	18711	2.671	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	6999	2.887	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	5130	2.977	ug/L	95
46) Tetrachloroethene	8.545	164	3462	2.232	ug/L	89
48) 2-Hexanone	8.680	43	12597	9.130	ug/L #	95
49) Dibromochloromethane	8.806	129	4928	2.750	ug/L	98
50) 1,2-Dibromoethane	8.921	107	5414	2.808	ug/L #	94
51) Chlorobenzene	9.446	112	12970	2.687	ug/L	94
52) Ethylbenzene	9.568	91	20835	2.672	ug/L	98
53) m,p-Xylene	9.690	106	7387	2.422	ug/L	89
54) o-Xylene	10.098	106	7328	2.430	ug/L	87
55) Styrene	10.111	104	11970	2.437	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	7969	3.150	ug/L	92
59) Bromoform	10.288	173	3153	2.549	ug/L #	88
60) 1,2,3-Trichloropropane	10.819	75	6199	3.538	ug/L	96
61) Isopropylbenzene	10.481	105	19254	2.695	ug/L	99
62) 1,3,5-Trimethylbenzene	11.085	105	15430	2.598	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	14722	2.503	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	9975	2.672	ug/L	96
65) 1,4-Dichlorobenzene	11.831	146	10444	2.745	ug/L #	87
67) 1,2-Dichlorobenzene	12.208	146	10507	2.824	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.999	75	1217	2.605	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	6070	2.196	ug/L	92
70) 1,2,4-trichlorobenzene	13.838	180	6089	2.376	ug/L #	93
71) Naphthalene	14.085	128	19794	2.580	ug/L	97
72) 1,2,3-Trichlorobenzene	14.326	180	5861	2.289	ug/L	97

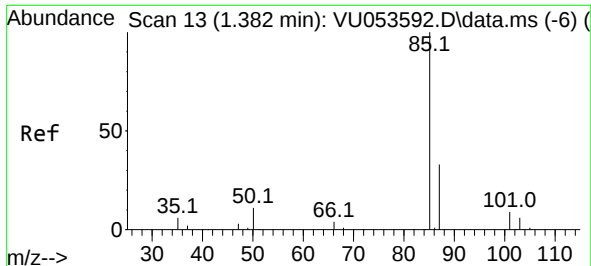
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U

ClientSampleId :
MDL-WATER-QT2-2023-04

Quant Time: Apr 08 00:01:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration

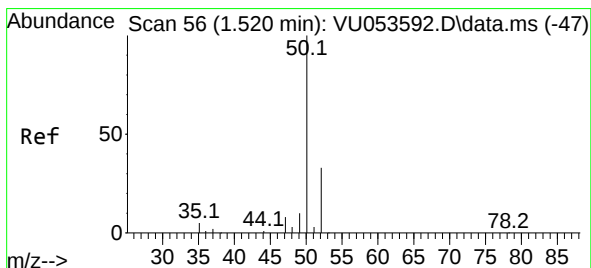
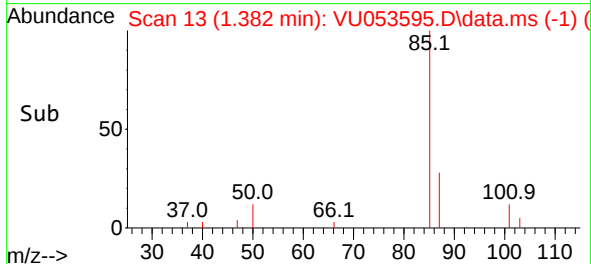
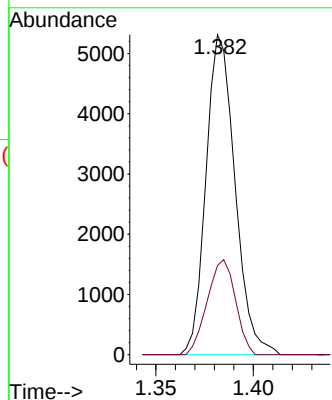
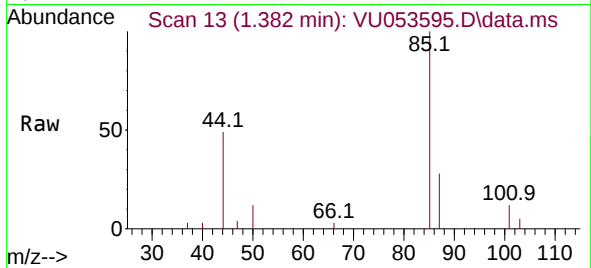




#2
Dichlorodifluoromethane
Concen: 2.654 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

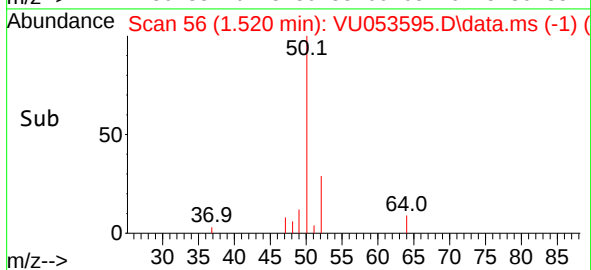
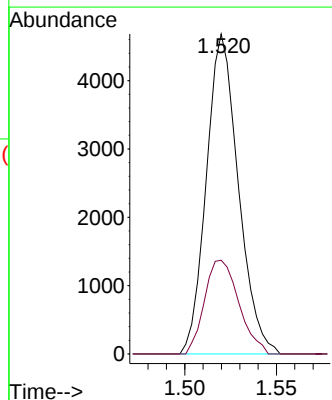
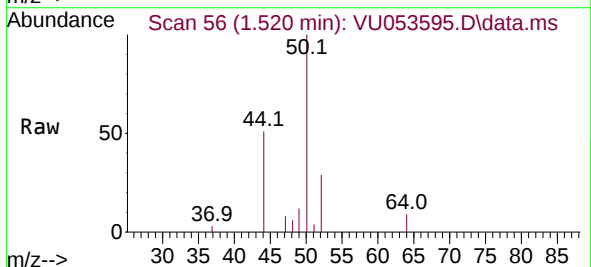
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

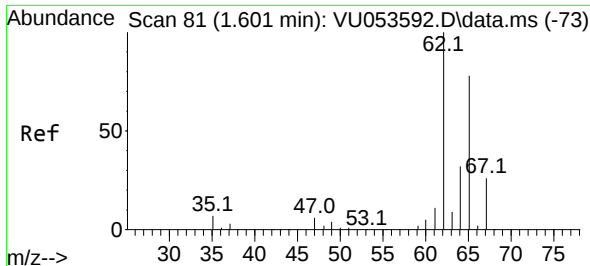
Tgt Ion: 85 Resp: 5505
Ion Ratio Lower Upper
85 100
87 28.7 26.4 39.6



#3
Chloromethane
Concen: 3.324 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion: 50 Resp: 5666
Ion Ratio Lower Upper
50 100
52 29.3 22.7 42.1

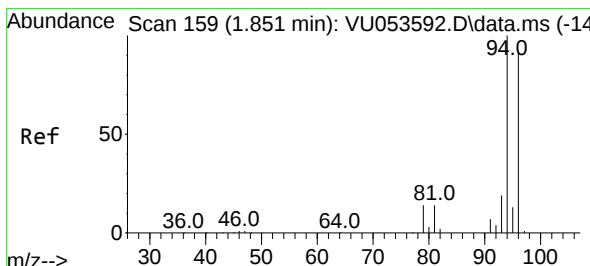
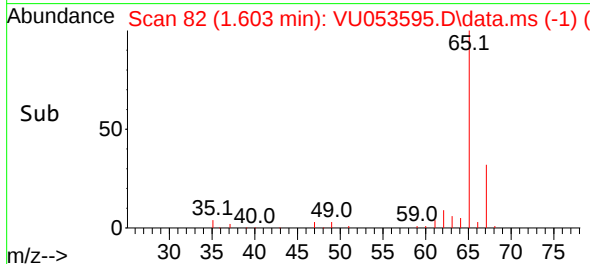
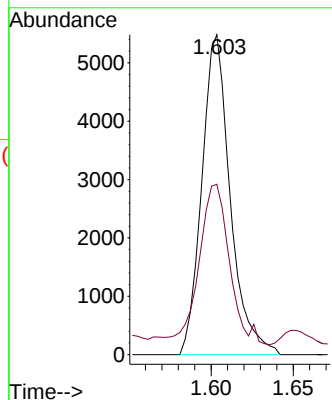
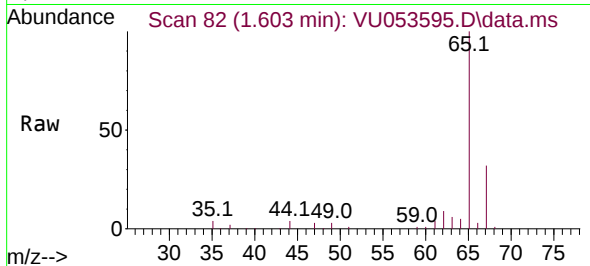




#5
 Vinyl chloride
 Concen: 3.340 ug/L
 RT: 1.603 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053595.D
 Acq: 07 Apr 2023 11:54

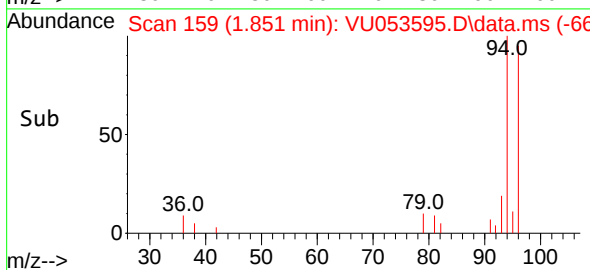
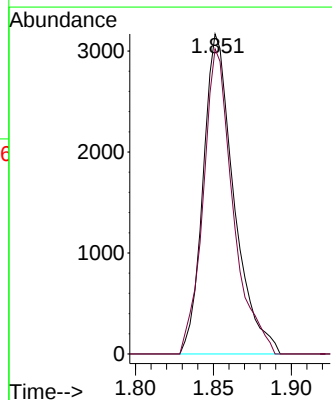
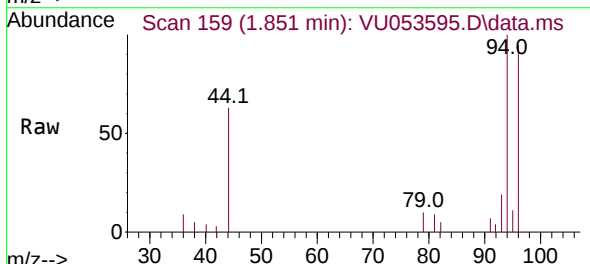
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-04

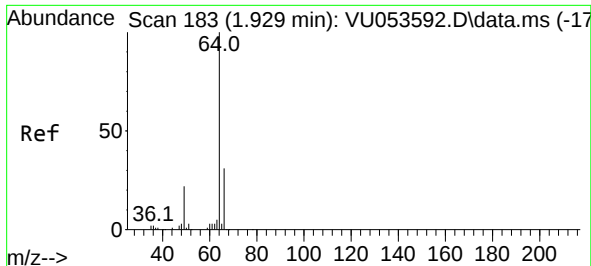
Tgt Ion: 62 Resp: 6597
 Ion Ratio Lower Upper
 62 100
 64 53.2 23.2 43.0#



#6
 Bromomethane
 Concen: 3.026 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.000 min
 Lab File: VU053595.D
 Acq: 07 Apr 2023 11:54

Tgt Ion: 94 Resp: 4350
 Ion Ratio Lower Upper
 94 100
 96 95.3 64.4 119.6

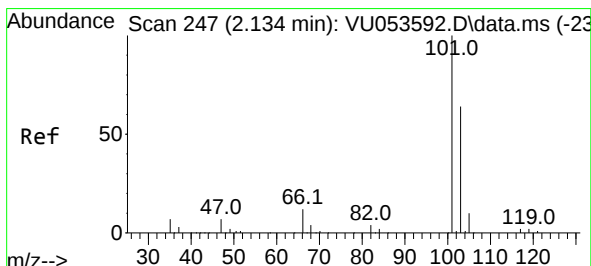
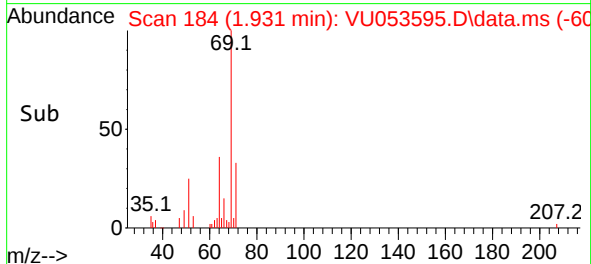
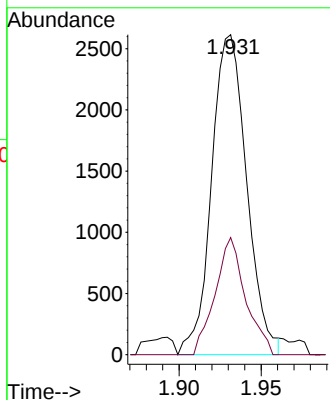
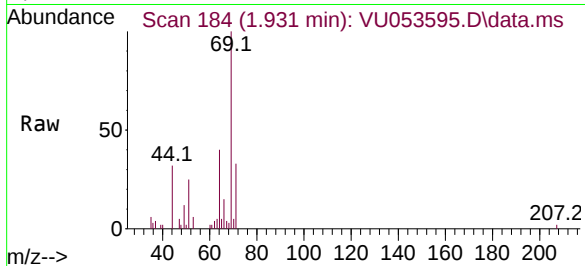




#8
Chloroethane
Concen: 3.278 ug/L
RT: 1.931 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

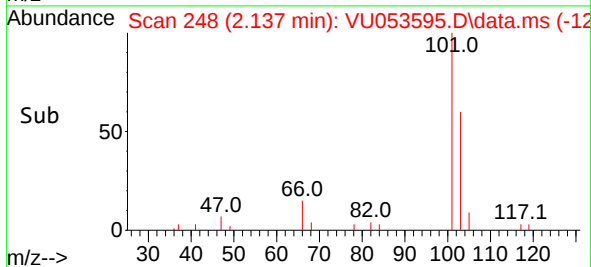
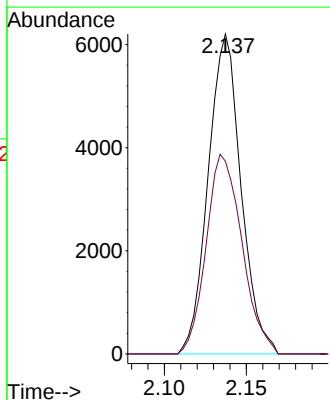
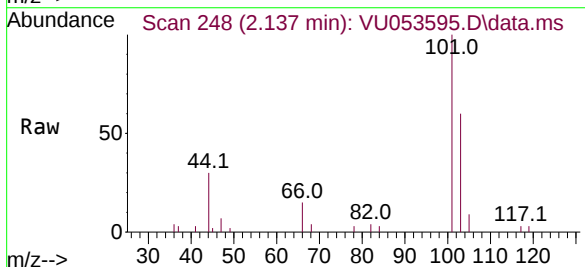
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

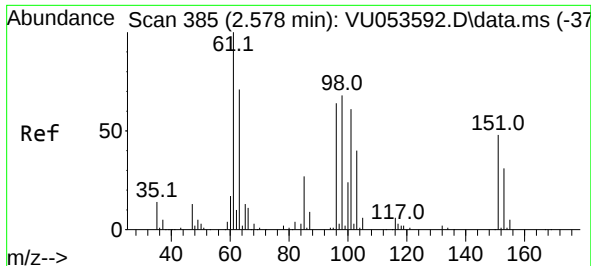
Tgt Ion: 64 Resp: 3894
Ion Ratio Lower Upper
64 100
66 36.6 21.8 40.6



#9
Trichlorofluoromethane
Concen: 2.844 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion:101 Resp: 8642
Ion Ratio Lower Upper
101 100
103 67.9 52.5 78.7

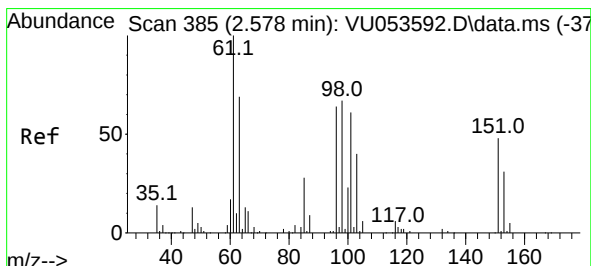
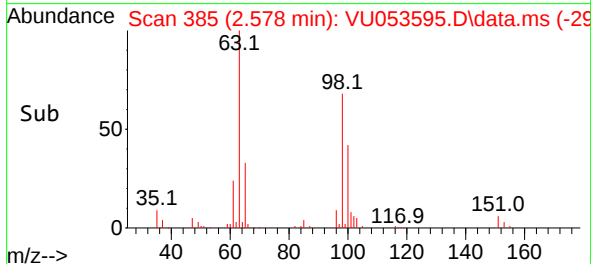
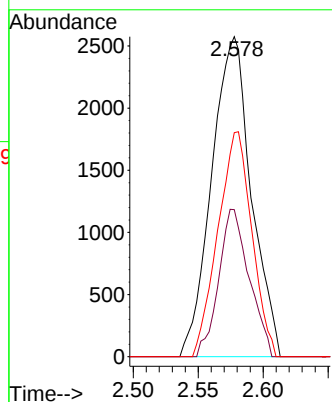
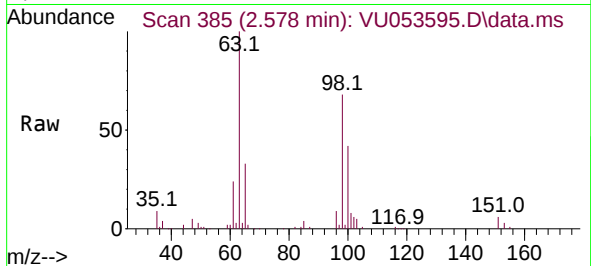




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.106 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053595.D
 Acq: 07 Apr 2023 11:54

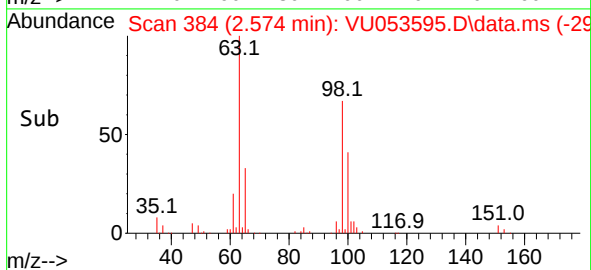
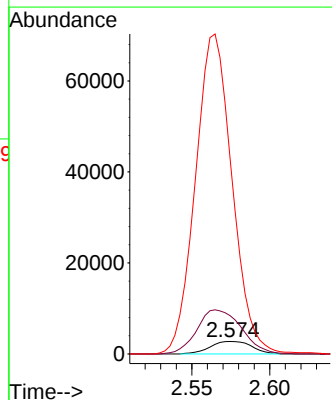
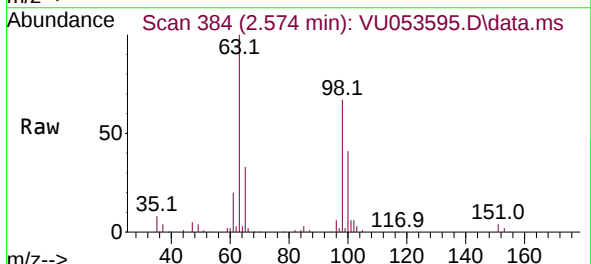
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-04

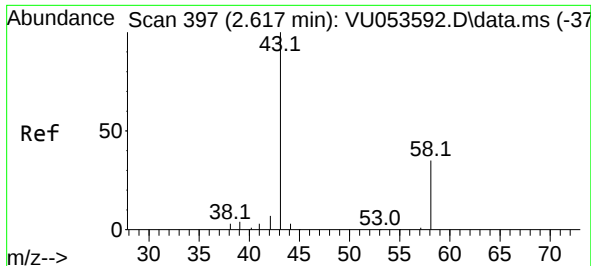
Tgt Ion:101 Resp: 5465
 Ion Ratio Lower Upper
 101 100
 85 35.3 32.6 48.8
 151 60.1 65.8 98.6#



#12
 1,1-Dichloroethene
 Concen: 3.265 ug/L
 RT: 2.574 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053595.D
 Acq: 07 Apr 2023 11:54

Tgt Ion: 96 Resp: 5120
 Ion Ratio Lower Upper
 96 100
 61 307.8 107.9 200.5#
 63 1576.7 79.1 146.9#





#13

Acetone

Concen: 6.915 ug/L

RT: 2.619 min Scan# 397

Delta R.T. -0.000 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

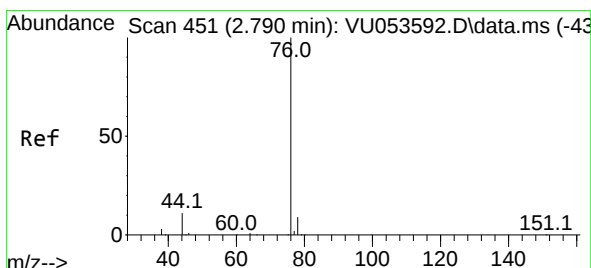
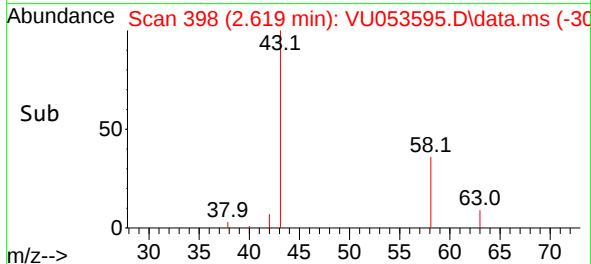
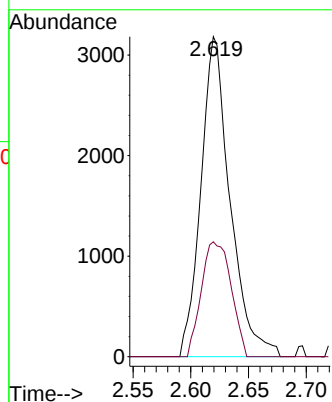
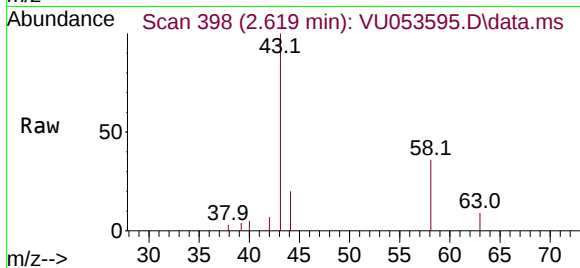
MDL-WATER-QT2-2023-04

Tgt Ion: 43 Resp: 5599

Ion Ratio Lower Upper

43 100

58 36.5 0.0 70.2



#14

Carbon disulfide

Concen: 2.735 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU053595.D

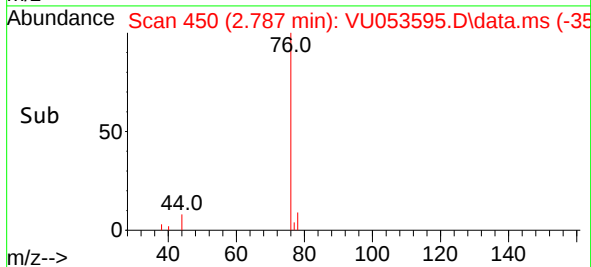
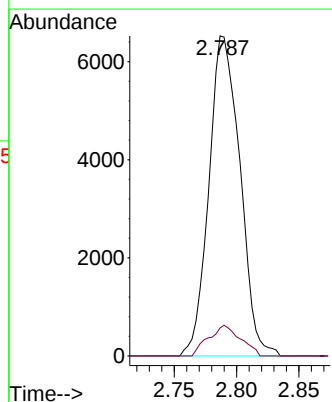
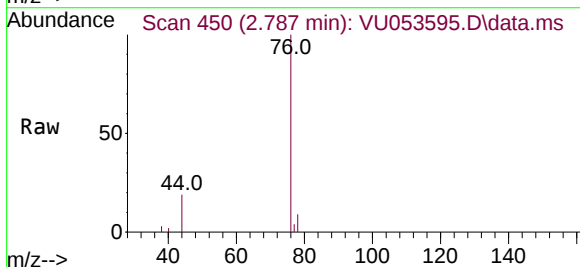
Acq: 07 Apr 2023 11:54

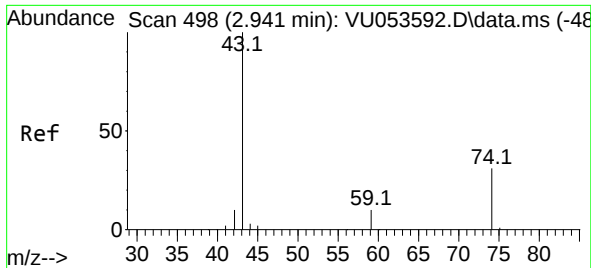
Tgt Ion: 76 Resp: 11344

Ion Ratio Lower Upper

76 100

78 8.8 8.2 12.2

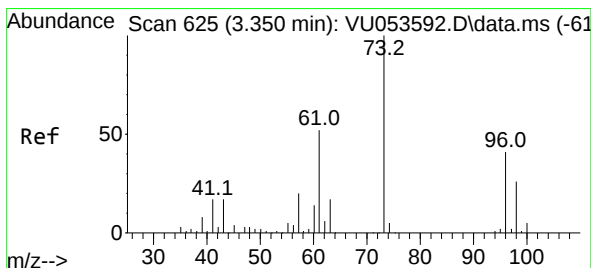
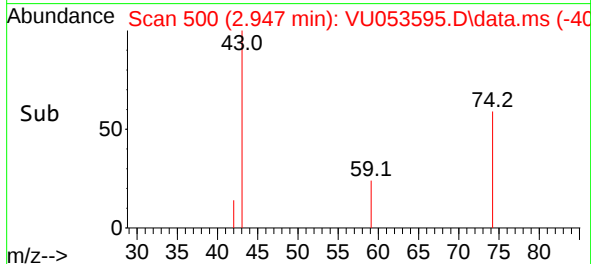
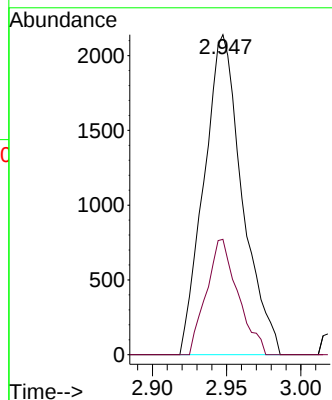
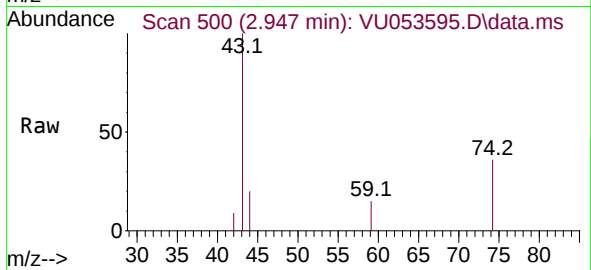




#15
Methyl Acetate
Concen: 3.087 ug/L
RT: 2.947 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

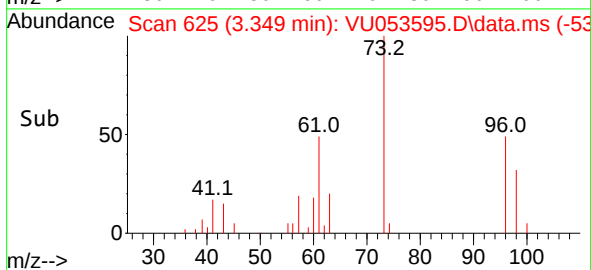
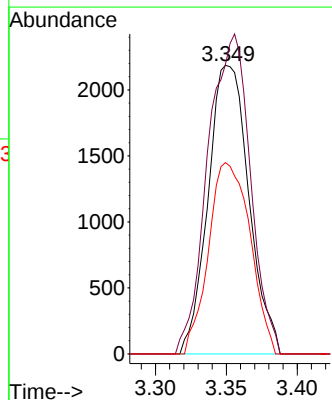
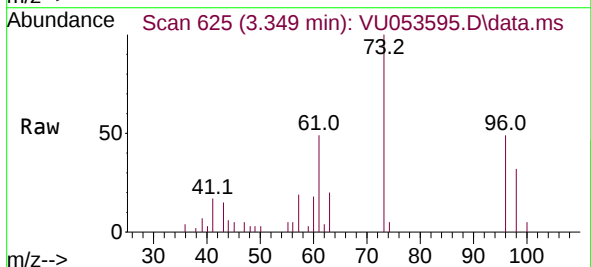
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

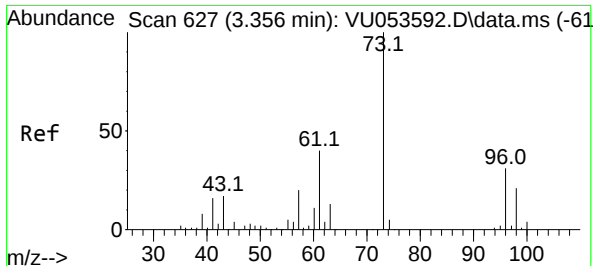
Tgt Ion: 43 Resp: 3829
Ion Ratio Lower Upper
43 100
74 29.6 22.0 33.0



#17
trans-1,2-Dichloroethene
Concen: 2.779 ug/L
RT: 3.349 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion: 96 Resp: 4380
Ion Ratio Lower Upper
96 100
61 100.4 84.4 156.8
98 66.3 46.0 85.4





#18

Methyl tert-butyl Ether

Concen: 2.726 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04

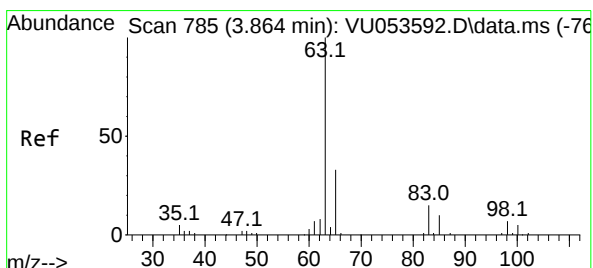
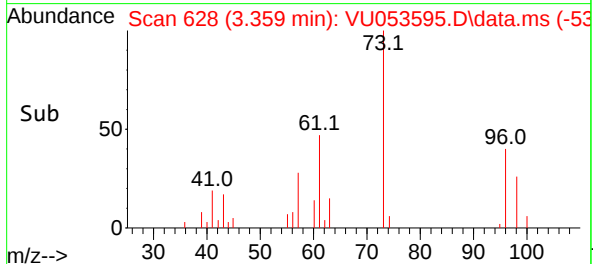
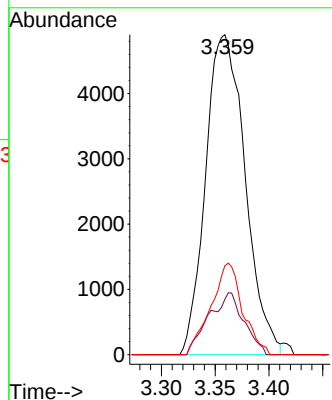
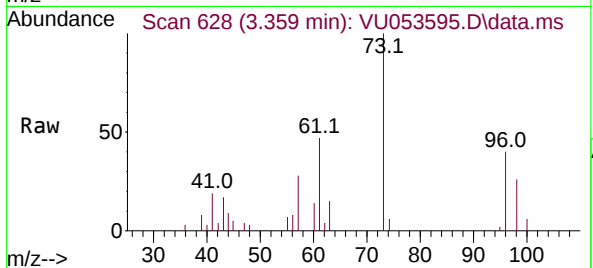
Tgt Ion: 73 Resp: 12523

Ion Ratio Lower Upper

73 100

43 10.9 13.8 20.8#

57 23.0 15.9 23.9



#19

1,1-Dichloroethane

Concen: 3.143 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

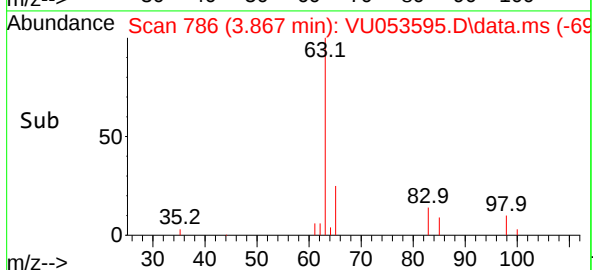
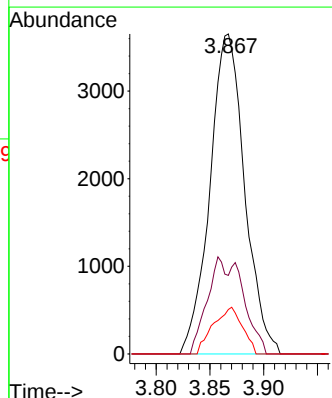
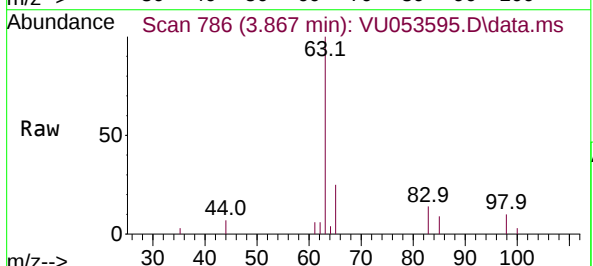
Tgt Ion: 63 Resp: 8206

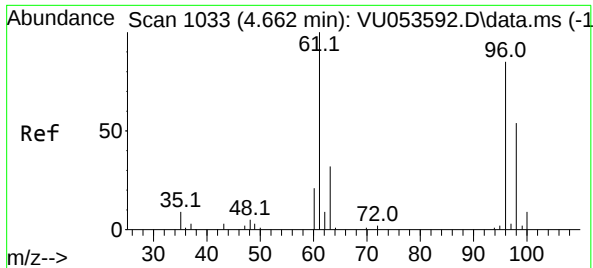
Ion Ratio Lower Upper

63 100

65 24.5 22.0 41.0

83 13.9 10.8 20.0

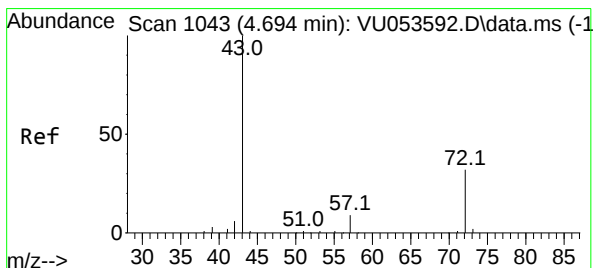
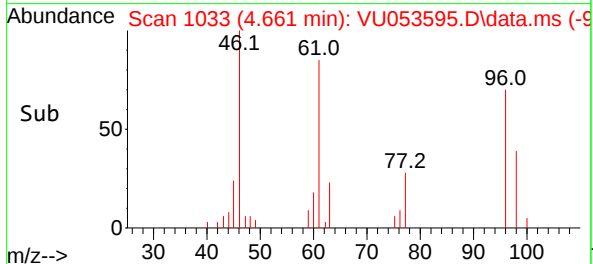
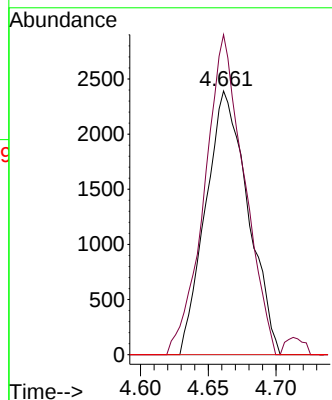
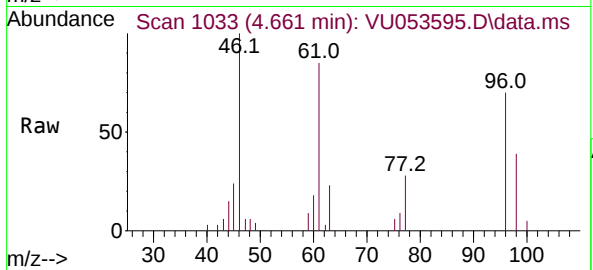




#20
cis-1,2-Dichloroethene
Concen: 2.856 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

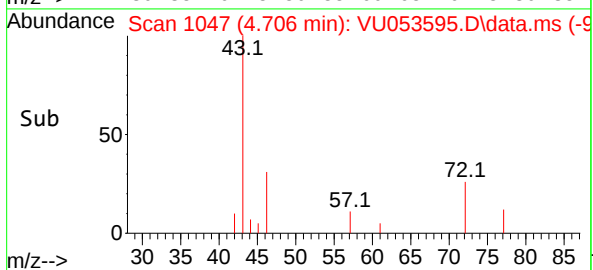
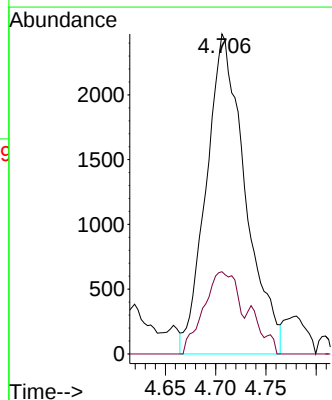
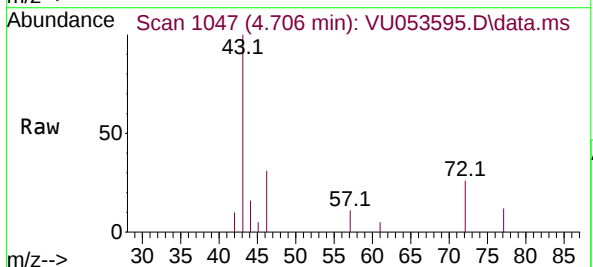
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

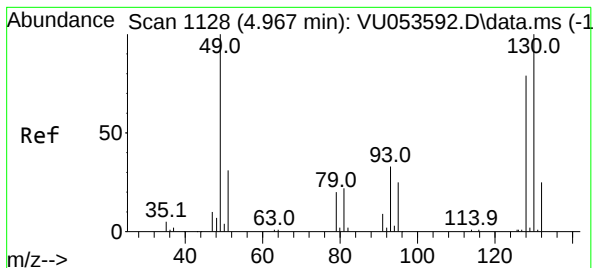
Tgt Ion: 96 Resp: 5200
Ion Ratio Lower Upper
96 100
61 121.4 74.7 138.7
68 0.0 0.0 0.0



#22
2-Butanone
Concen: 6.793 ug/L
RT: 4.706 min Scan# 1047
Delta R.T. 0.013 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion: 43 Resp: 6664
Ion Ratio Lower Upper
43 100
72 16.4 15.8 47.3





#23

Bromochloromethane

Concen: 2.463 ug/L

RT: 4.970 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VU053595.D

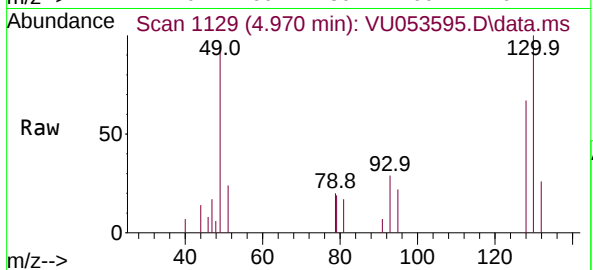
Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04



Tgt Ion:128 Resp: 2497

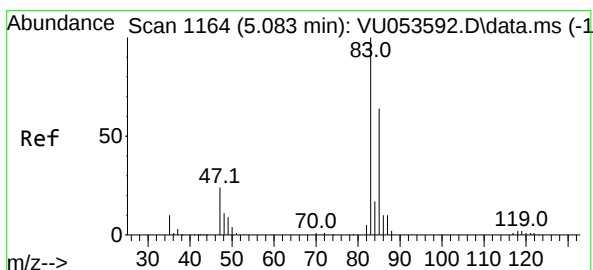
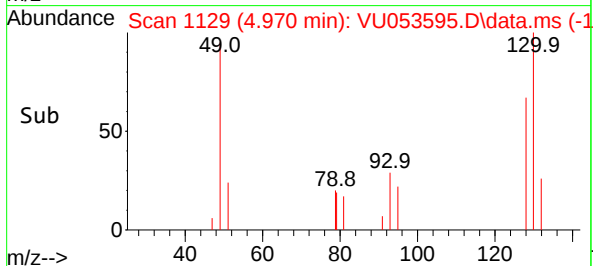
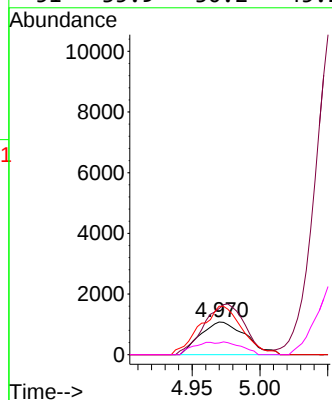
Ion Ratio Lower Upper

128 100

49 140.7 81.5 151.3

130 148.2 91.8 170.4

51 35.9 30.2 45.2



#25

Chloroform

Concen: 3.527 ug/L

RT: 5.082 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053595.D

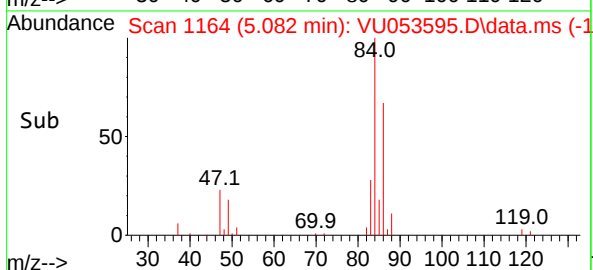
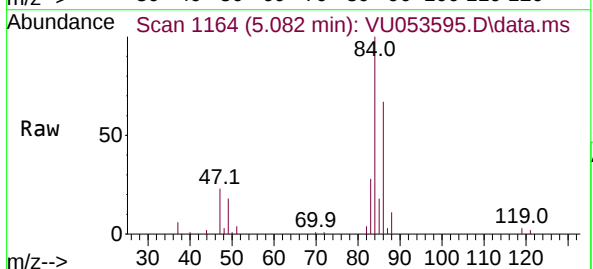
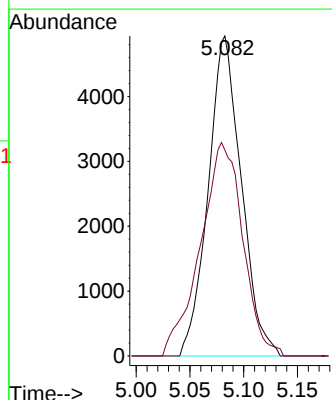
Acq: 07 Apr 2023 11:54

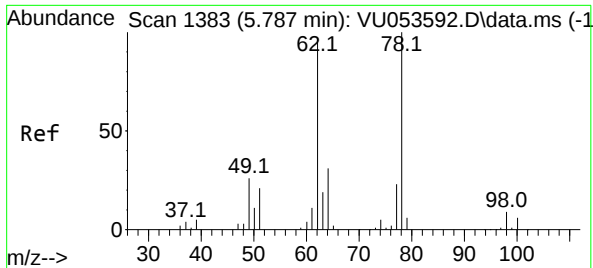
Tgt Ion: 83 Resp: 10560

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.5





#27

1,2-Dichloroethane

Concen: 2.744 ug/L

RT: 5.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

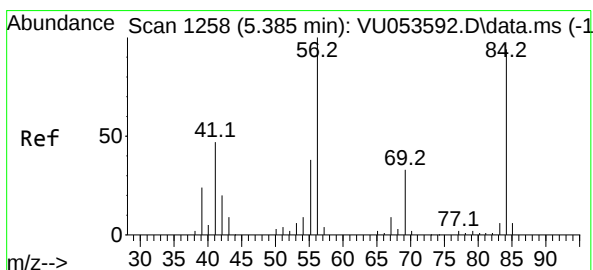
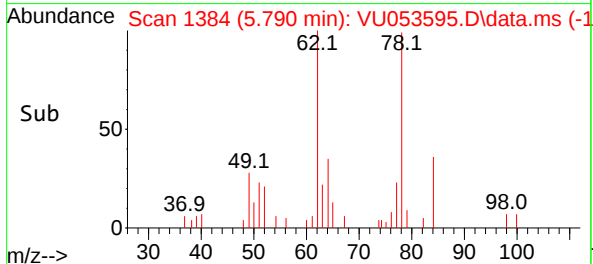
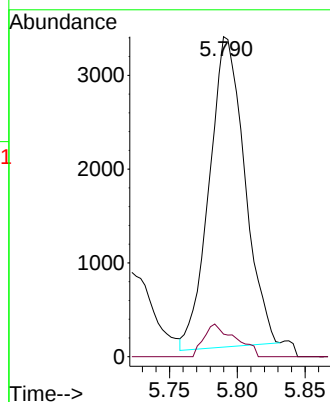
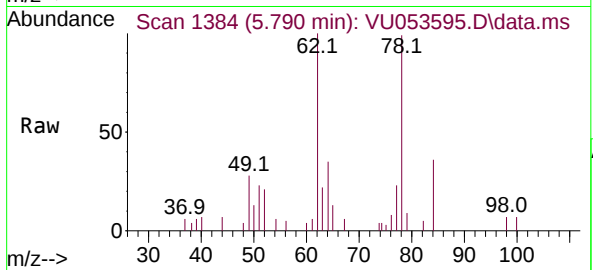
MDL-WATER-QT2-2023-04

Tgt Ion: 62 Resp: 6017

Ion Ratio Lower Upper

62 100

98 7.1 8.3 12.5#



#29

Cyclohexane

Concen: 2.899 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

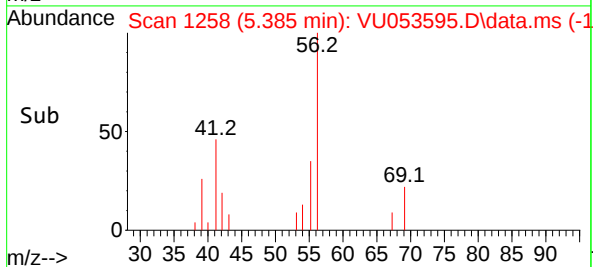
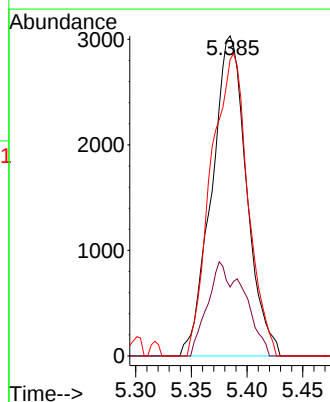
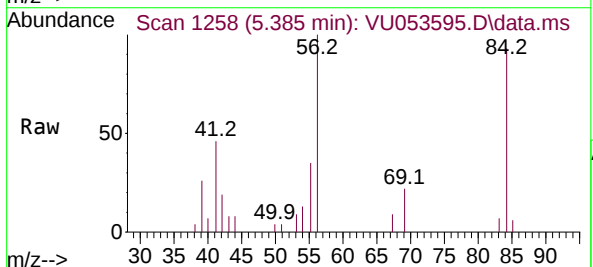
Tgt Ion: 56 Resp: 6621

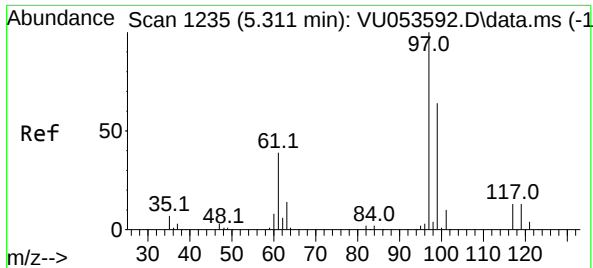
Ion Ratio Lower Upper

56 100

69 17.9 27.3 40.9#

84 99.4 81.3 121.9

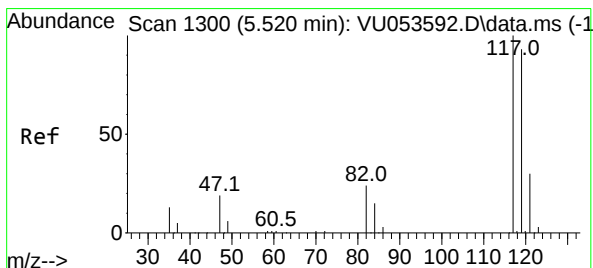
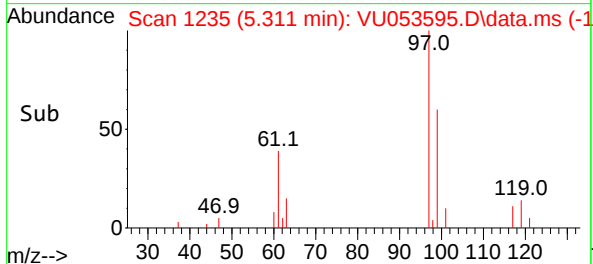
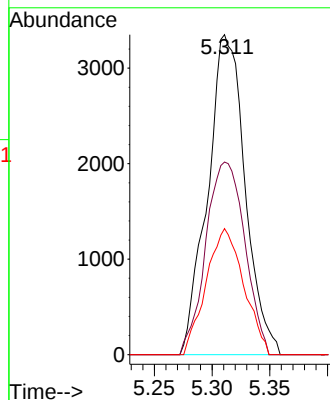
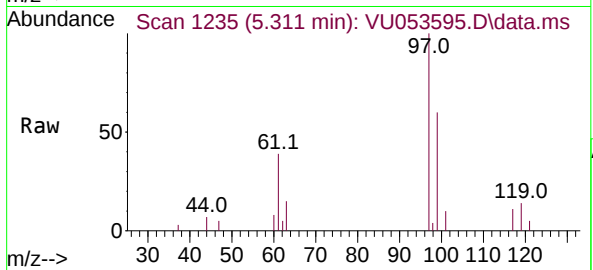




#30
1,1,1-Trichloroethane
Concen: 2.890 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

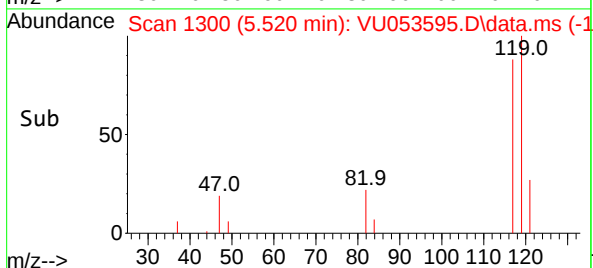
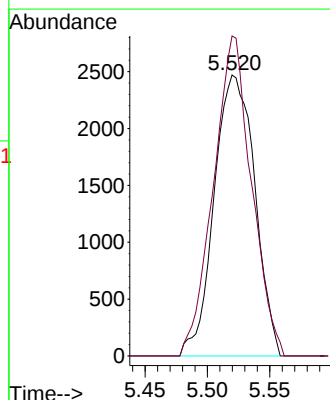
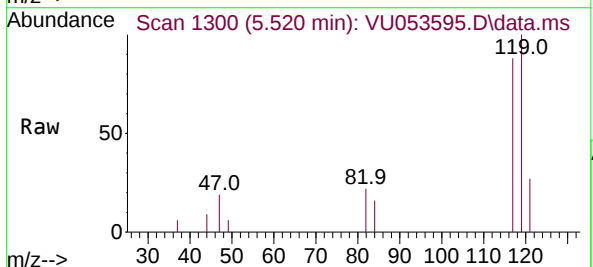
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

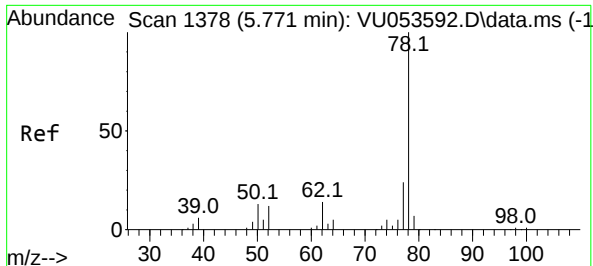
Tgt Ion: 97	Resp:	7555
Ion	Ratio	Lower Upper
97	100	
99	62.8	51.6 77.4
61	39.6	31.0 46.4



#31
Carbon tetrachloride
Concen: 2.390 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion: 117	Resp:	5598
Ion	Ratio	Lower Upper
117	100	
119	106.9	76.9 115.3

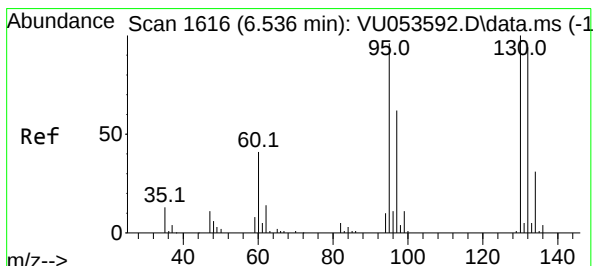
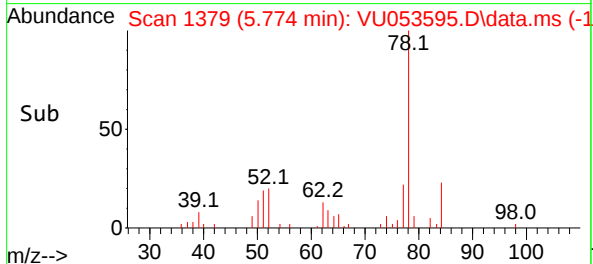
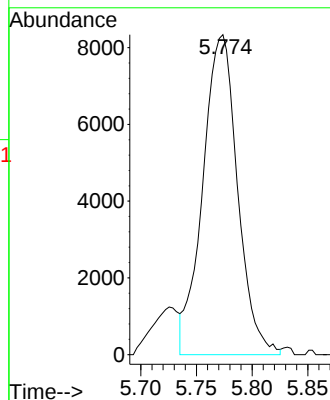
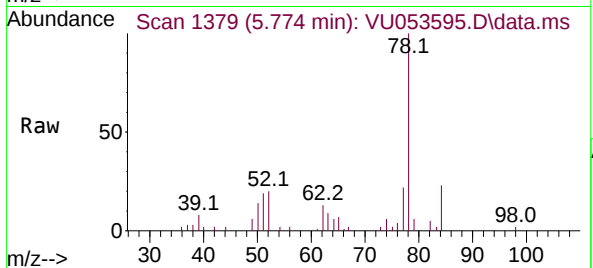




#33
Benzene
Concen: 2.932 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

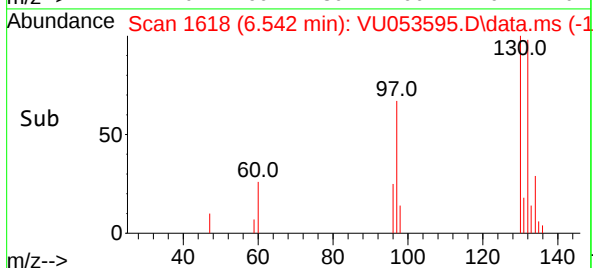
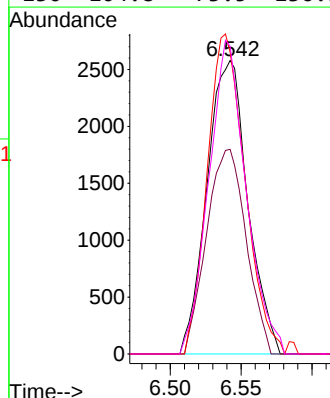
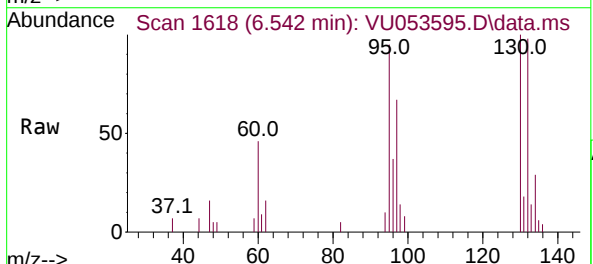
Tgt Ion: 78 Resp: 18121

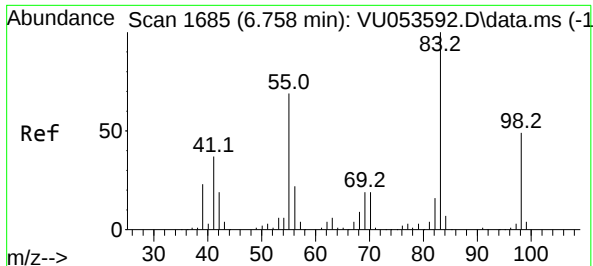


#34
Trichloroethene
Concen: 2.763 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion: 95 Resp: 5165

Ion	Ratio	Lower	Upper
95	100		
97	69.8	45.1	83.7
132	102.8	74.1	137.5
130	104.8	73.5	136.5





#35

Methylcyclohexane

Concen: 2.597 ug/L

RT: 6.758 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04

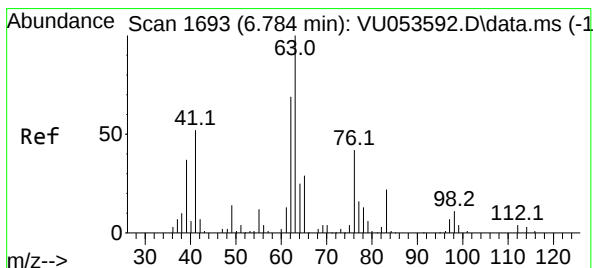
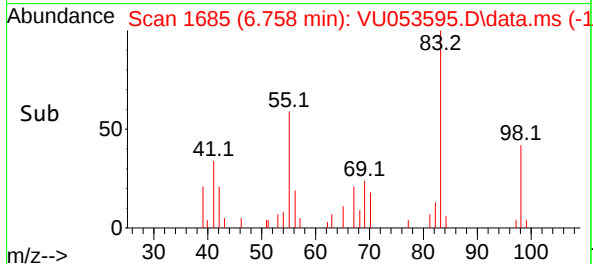
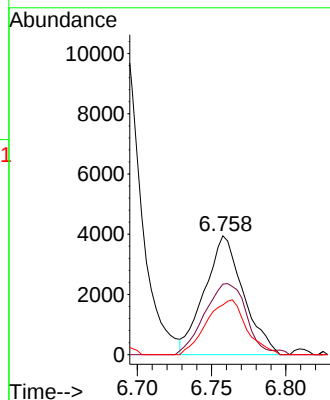
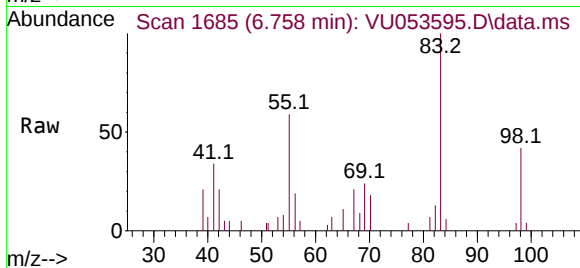
Tgt Ion: 83 Resp: 7138

Ion Ratio Lower Upper

83 100

55 63.9 53.0 79.6

98 47.3 39.0 58.6



#37

1,2-Dichloropropane

Concen: 2.866 ug/L

RT: 6.787 min Scan# 1694

Delta R.T. 0.003 min

Lab File: VU053595.D

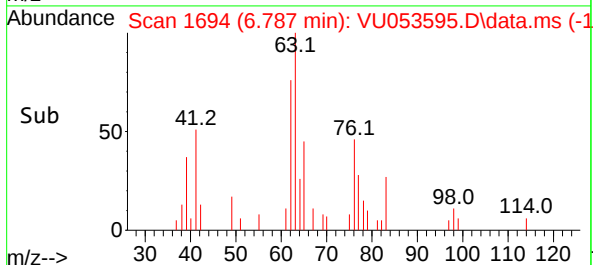
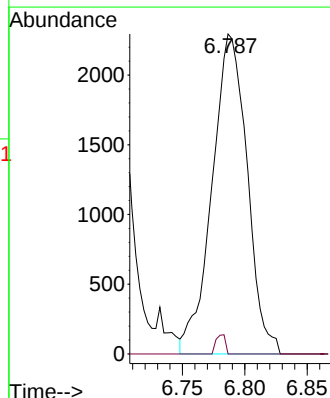
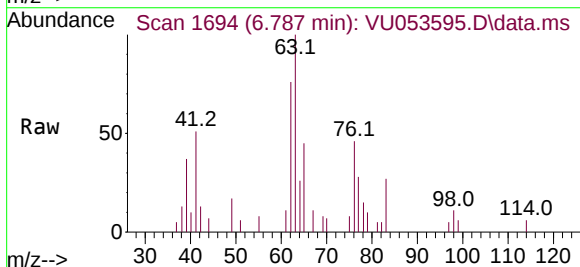
Acq: 07 Apr 2023 11:54

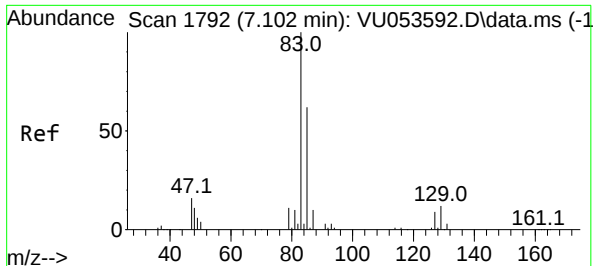
Tgt Ion: 63 Resp: 4498

Ion Ratio Lower Upper

63 100

112 1.6 3.8 5.6#

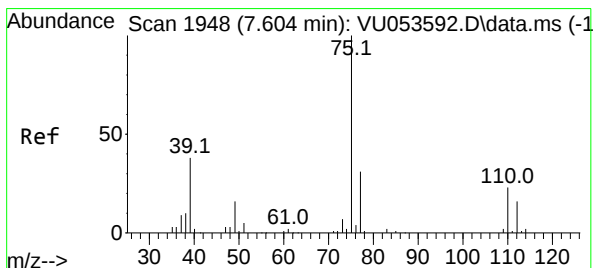
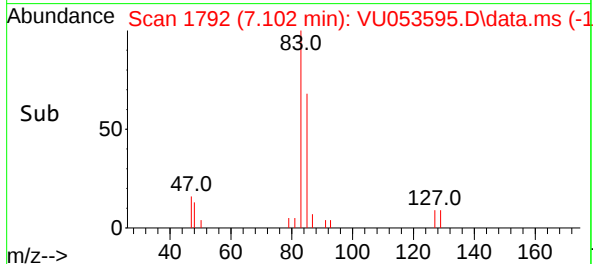
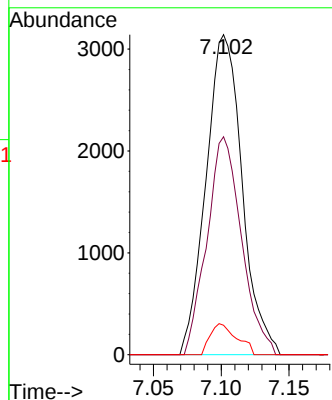
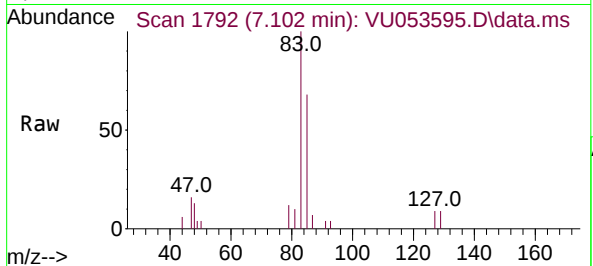




#38
Bromodichloromethane
Concen: 2.779 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

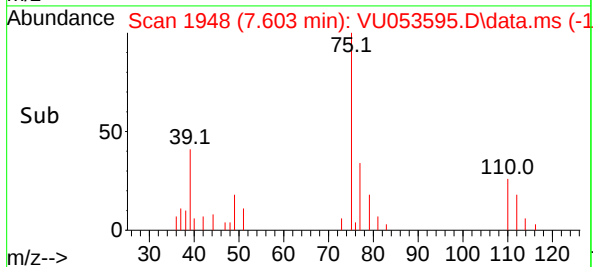
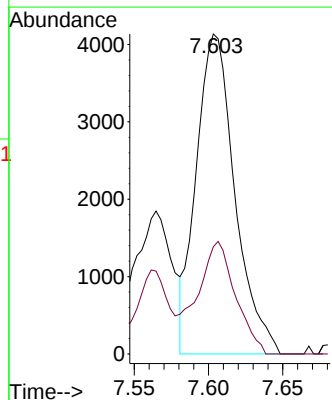
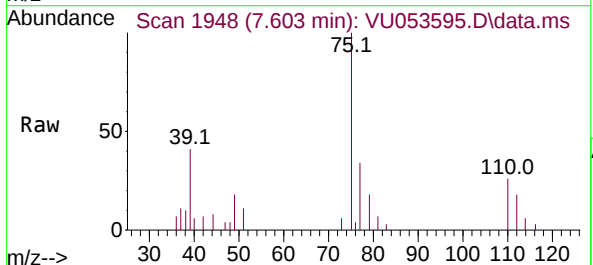
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

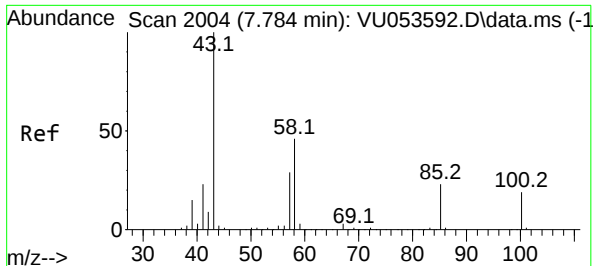
Tgt Ion: 83	Resp: 5818		
Ion Ratio	Lower	Upper	
83 100			
85 68.1	44.4	82.5	
127 9.2	8.0	12.0	



#39
cis-1,3-Dichloropropene
Concen: 2.918 ug/L
RT: 7.603 min Scan# 1948
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion: 75	Resp: 7485
Ion Ratio	Lower Upper
75 100	
77 33.5	22.5 41.7

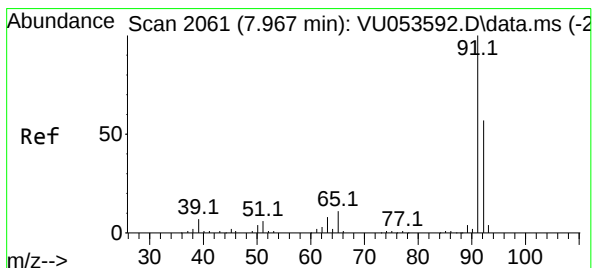
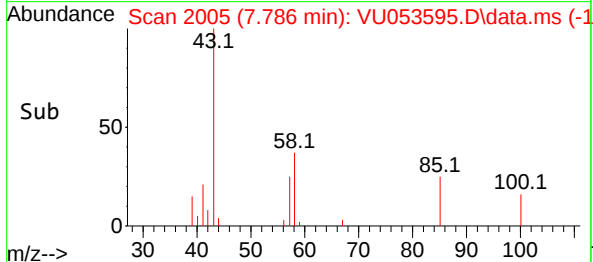
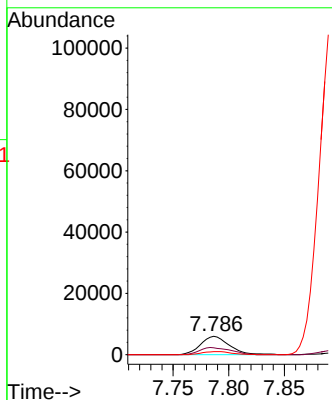
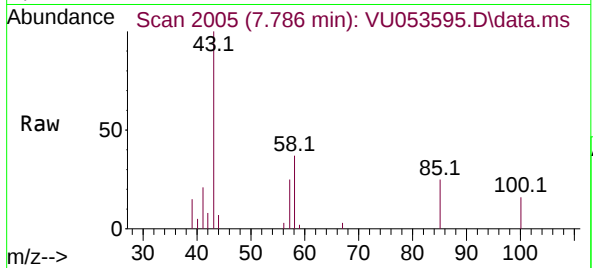




#40
4-Methyl-2-pentanone
Concen: 6.316 ug/L
RT: 7.786 min Scan# 2005
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

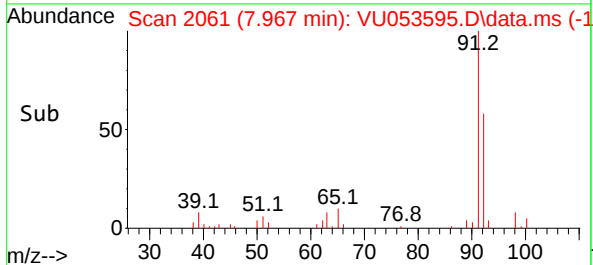
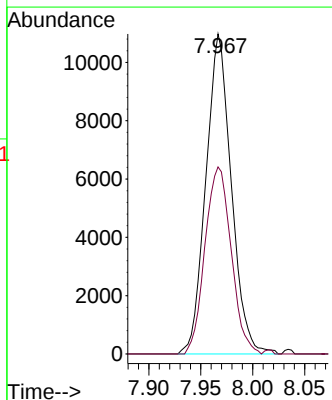
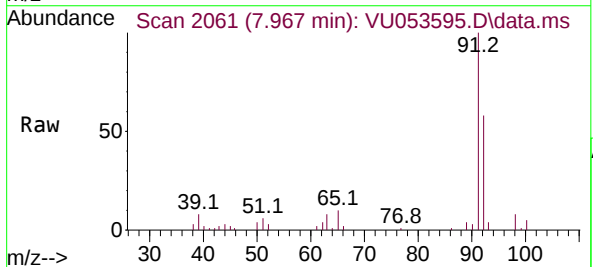
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

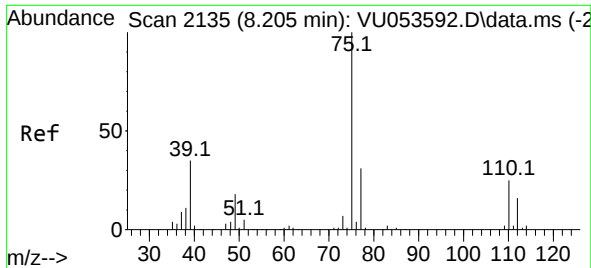
Tgt Ion: 43 Resp: 10772
Ion Ratio Lower Upper
43 100
58 41.7 35.5 53.3
100 16.6 15.8 23.8



#42
Toluene
Concen: 2.671 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion: 91 Resp: 18711
Ion Ratio Lower Upper
91 100
92 58.4 39.8 73.8

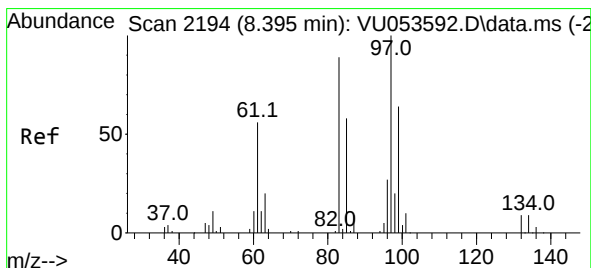
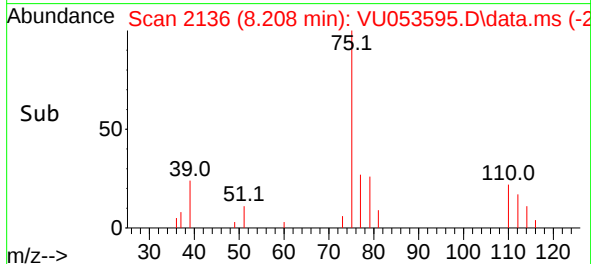
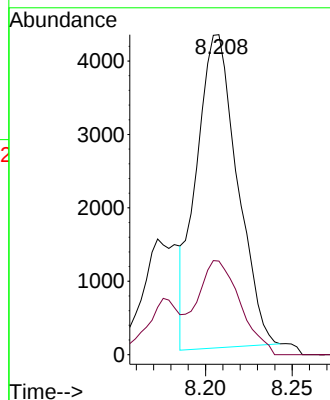
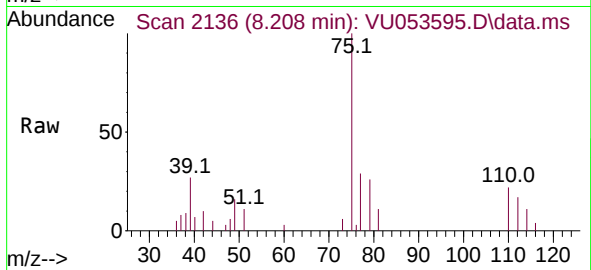




#44
trans-1,3-Dichloropropene
Concen: 2.887 ug/L
RT: 8.208 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

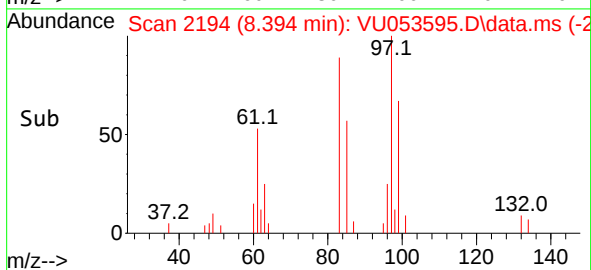
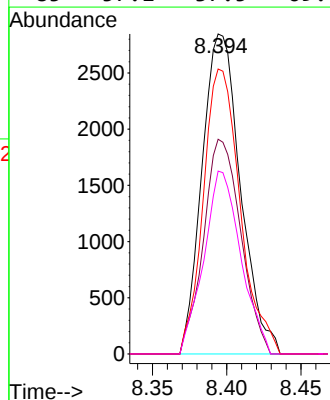
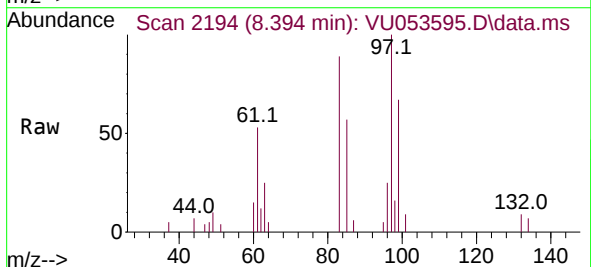
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

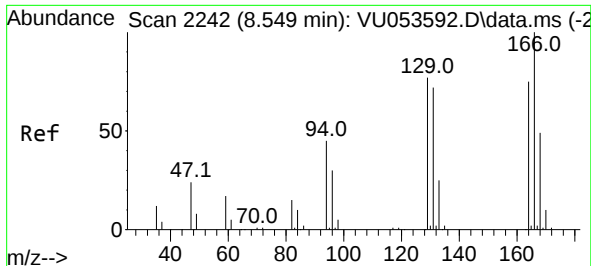
Tgt Ion: 75 Resp: 6999
Ion Ratio Lower Upper
75 100
77 29.2 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 2.977 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

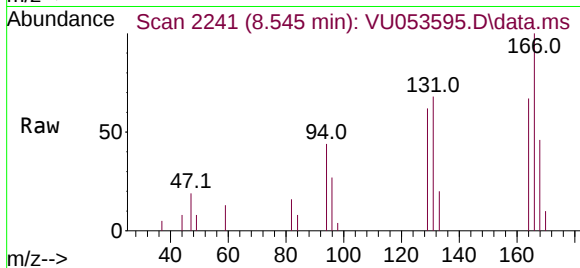
Tgt Ion: 97 Resp: 5130
Ion Ratio Lower Upper
97 100
99 67.1 43.8 81.3
83 89.1 59.0 109.6
85 57.1 37.5 69.7



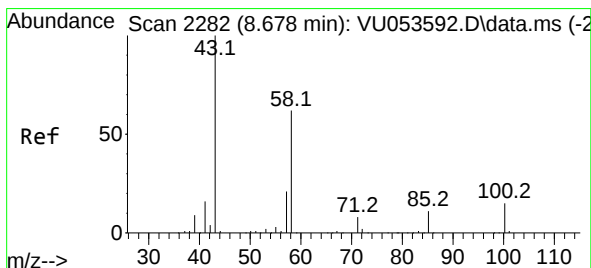
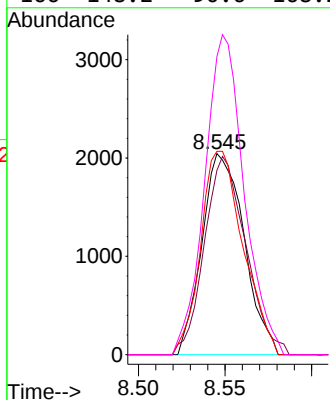
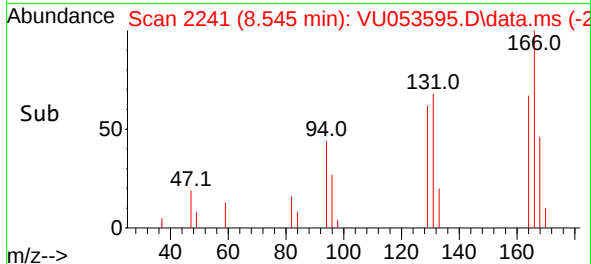


#46
Tetrachloroethene
Concen: 2.232 ug/L
RT: 8.545 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

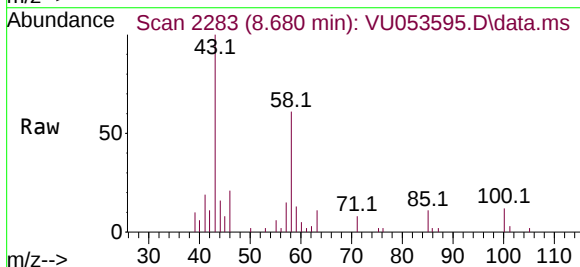
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04



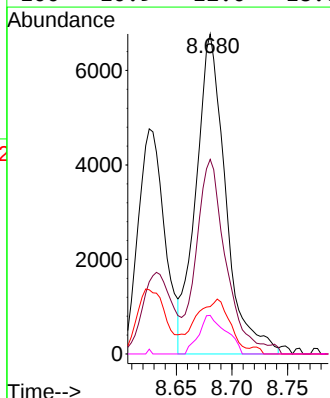
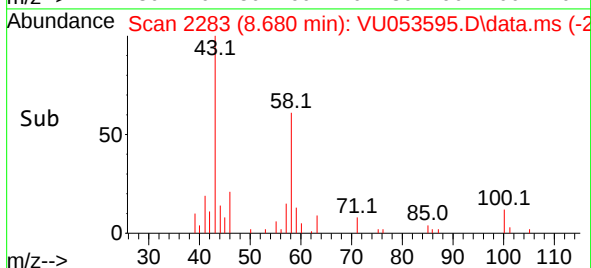
Tgt Ion	Ratio	Lower	Upper
164	100		
129	91.7	64.0	119.0
131	101.1	61.9	115.1
166	148.2	90.6	168.2

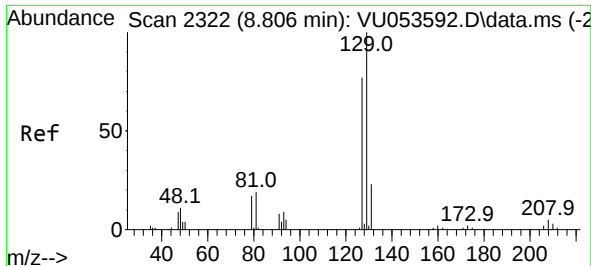


#48
2-Hexanone
Concen: 9.130 ug/L
RT: 8.680 min Scan# 2283
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54



Tgt Ion	Ratio	Lower	Upper
43	100		
58	59.3	49.8	74.6
57	19.1	17.8	26.6
100	10.9	12.0	18.0





#49

Dibromochloromethane

Concen: 2.750 ug/L

RT: 8.806 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

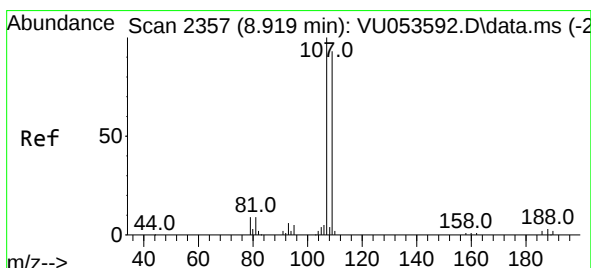
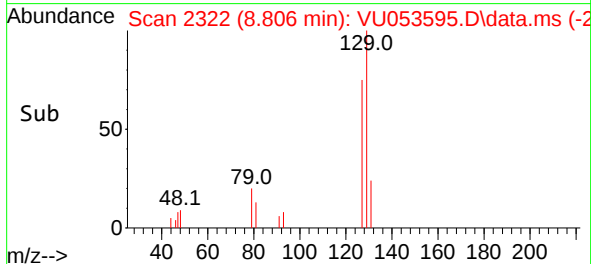
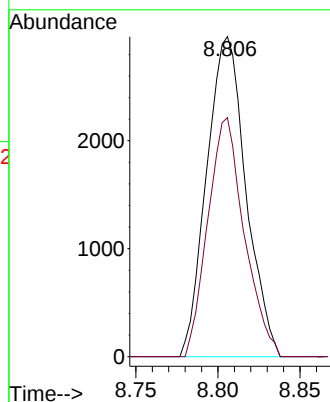
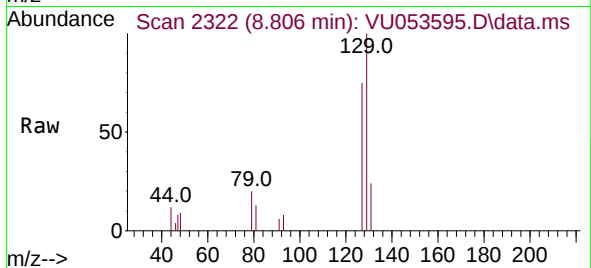
MDL-WATER-QT2-2023-04

Tgt Ion:129 Resp: 4928

Ion Ratio Lower Upper

129 100

127 74.7 53.5 99.3



#50

1,2-Dibromoethane

Concen: 2.808 ug/L

RT: 8.921 min Scan# 2358

Delta R.T. 0.003 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

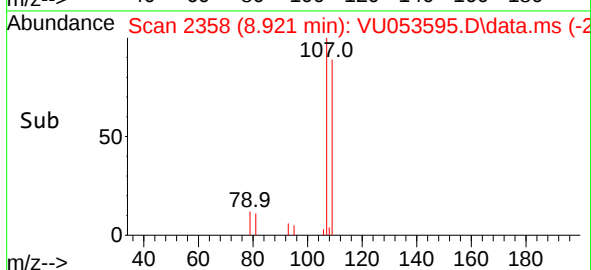
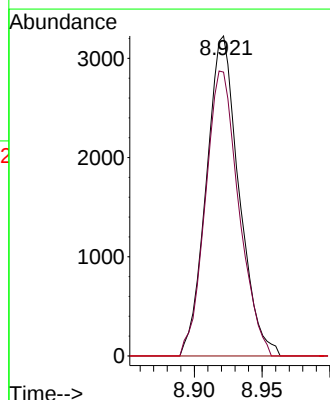
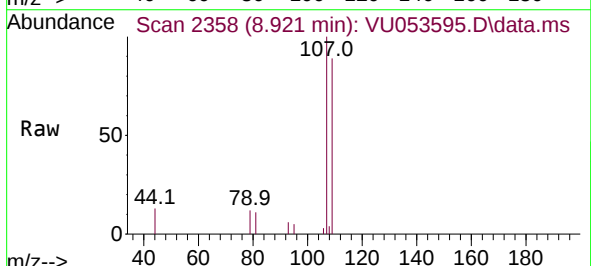
Tgt Ion:107 Resp: 5414

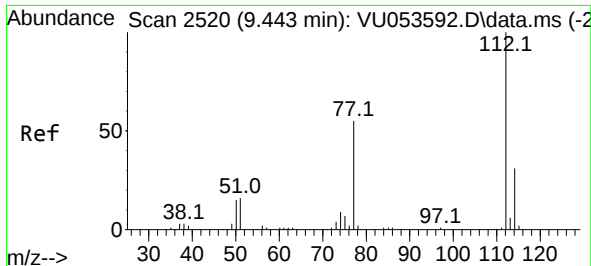
Ion Ratio Lower Upper

107 100

109 88.7 66.3 123.1

188 0.0 3.0 4.4#

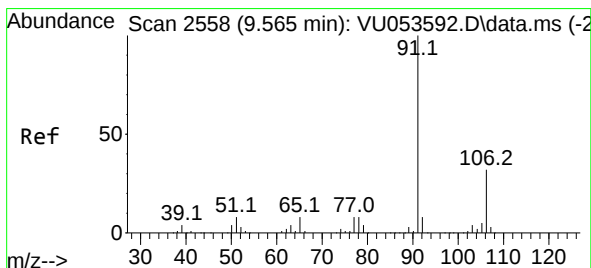
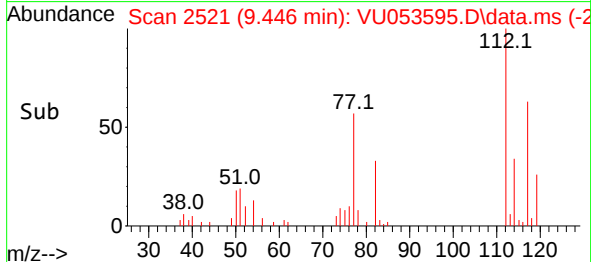
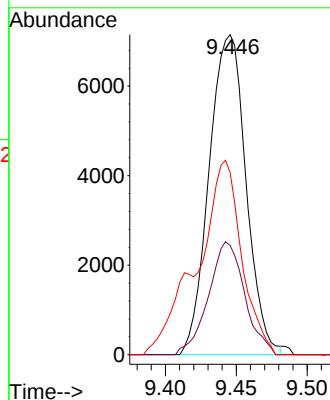
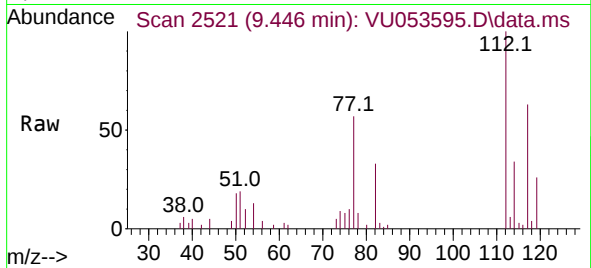




#51
Chlorobenzene
Concen: 2.687 ug/L
RT: 9.446 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

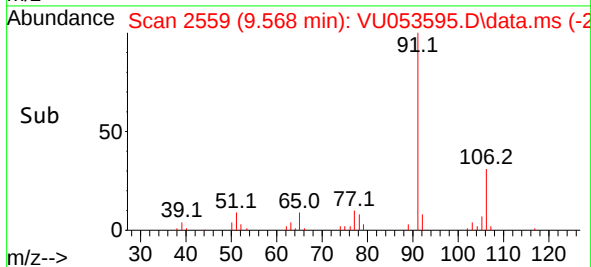
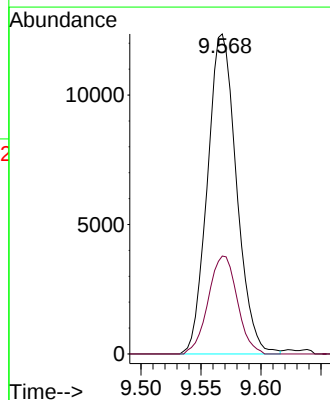
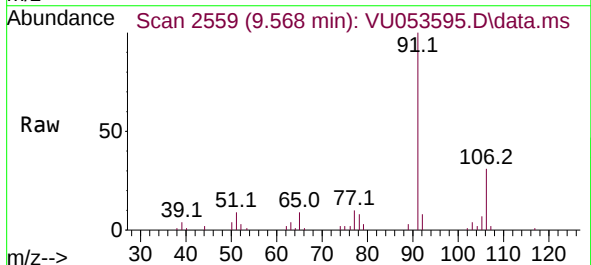
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-04

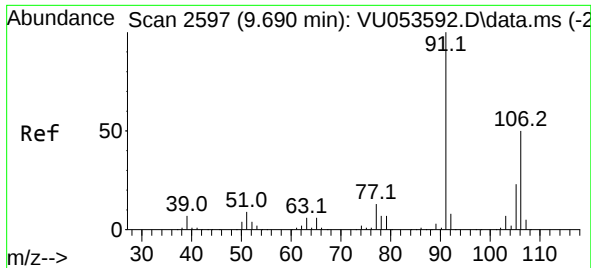
Tgt Ion:	112	Resp:	12970
Ion	Ratio	Lower	Upper
112	100		
114	34.2	22.2	41.2
77	57.0	41.3	61.9



#52
Ethylbenzene
Concen: 2.672 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion:	91	Resp:	20835
Ion	Ratio	Lower	Upper
91	100		
106	30.6	22.4	41.6

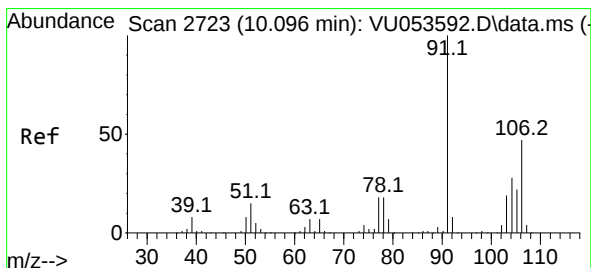
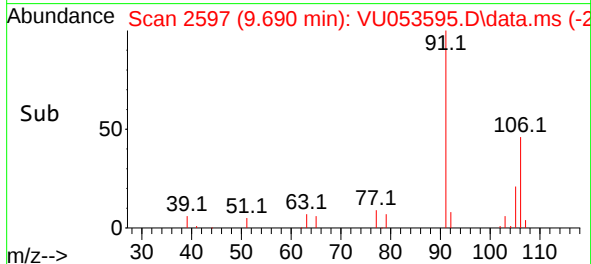
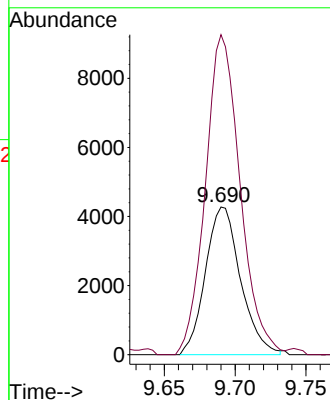
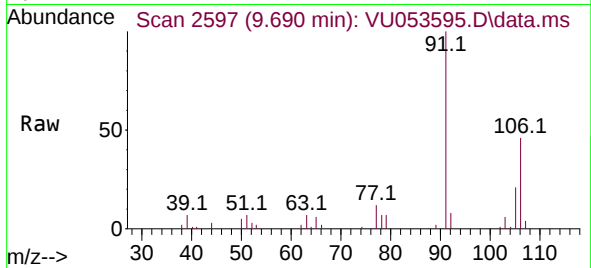




#53
m,p-Xylene
Concen: 2.422 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

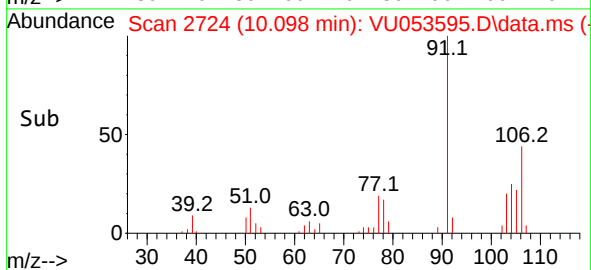
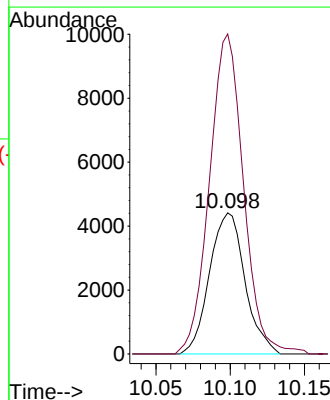
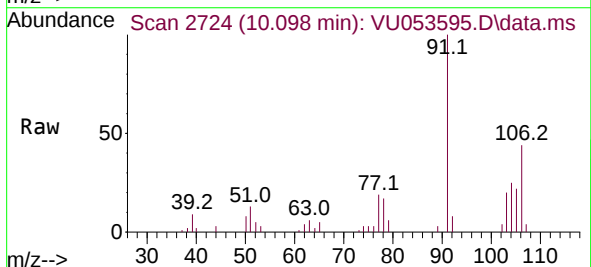
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

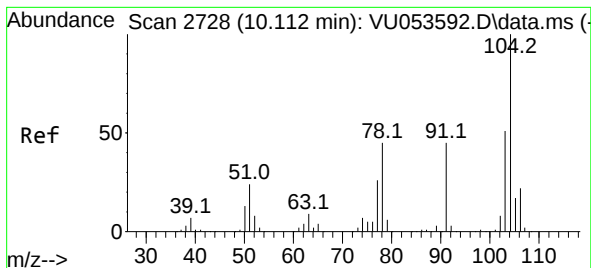
Tgt Ion:106 Resp: 7387
Ion Ratio Lower Upper
106 100
91 216.6 140.0 260.0



#54
o-Xylene
Concen: 2.430 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion:106 Resp: 7328
Ion Ratio Lower Upper
106 100
91 226.8 144.9 269.1





#55

Styrene

Concen: 2.437 ug/L

RT: 10.111 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

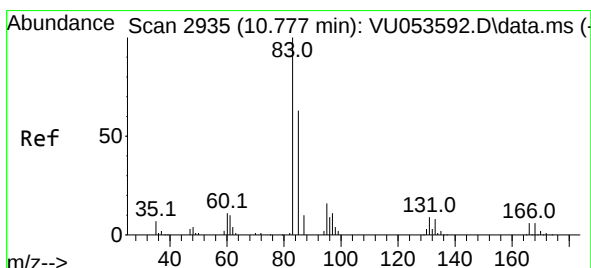
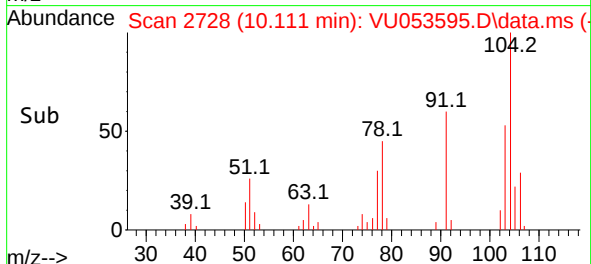
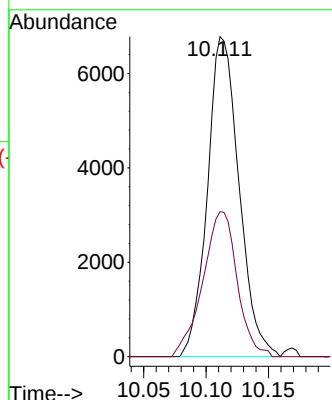
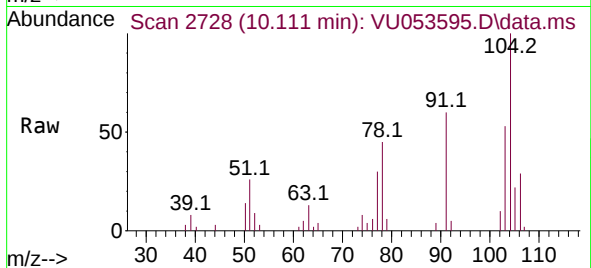
MDL-WATER-QT2-2023-04

Tgt Ion:104 Resp: 11970

Ion Ratio Lower Upper

104 100

78 45.3 31.3 58.1



#57

1,1,2,2-Tetrachloroethane

Concen: 3.150 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

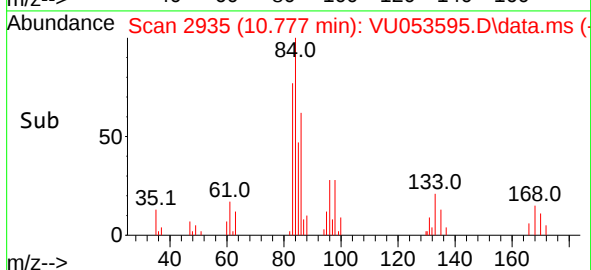
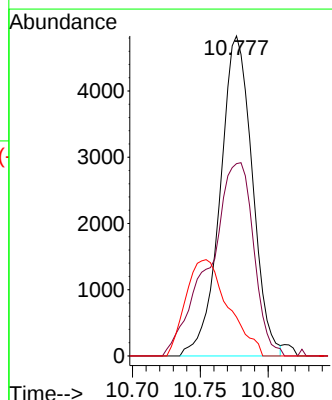
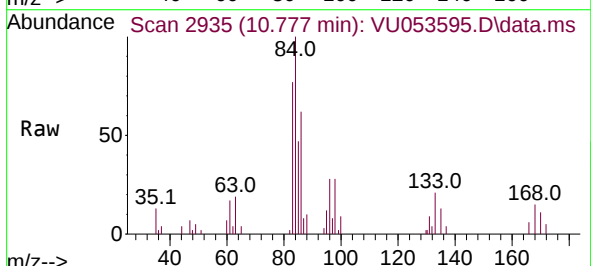
Tgt Ion: 83 Resp: 7969

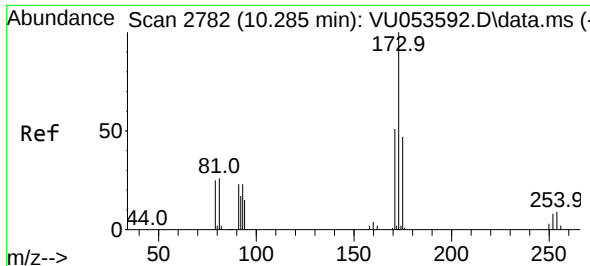
Ion Ratio Lower Upper

83 100

85 60.1 47.0 87.4

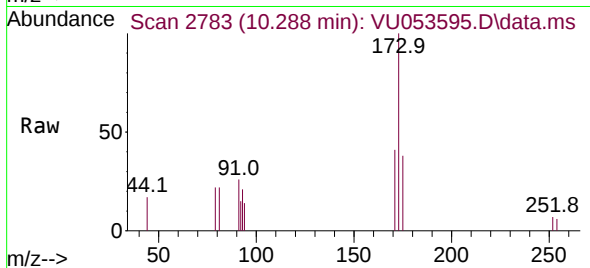
131 12.2 8.7 13.1



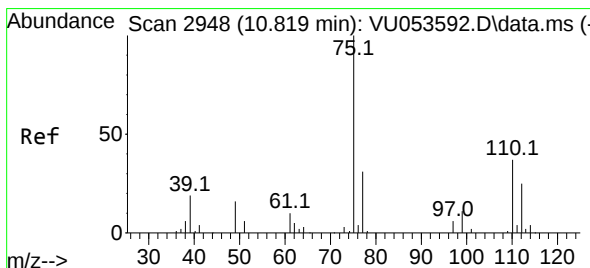
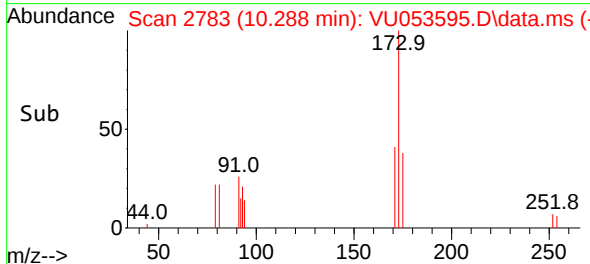
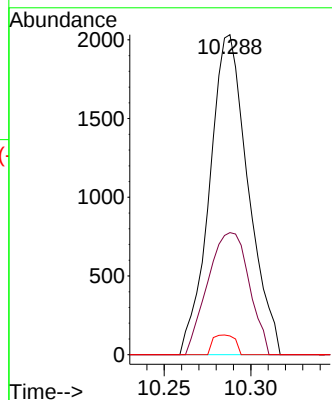


#59
Bromoform
Concen: 2.549 ug/L
RT: 10.288 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

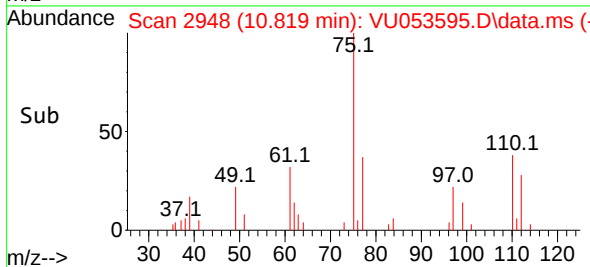
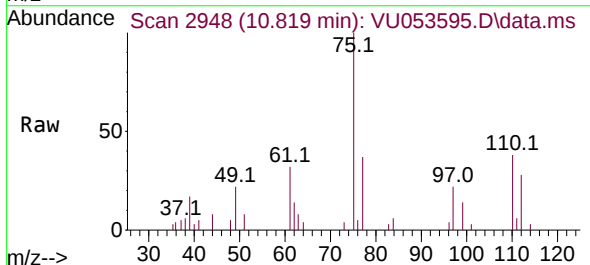
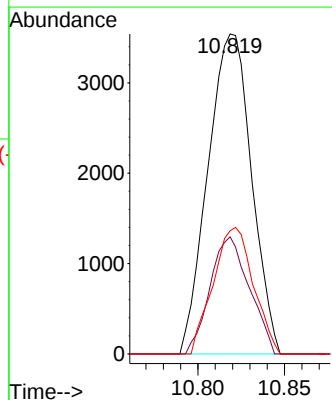


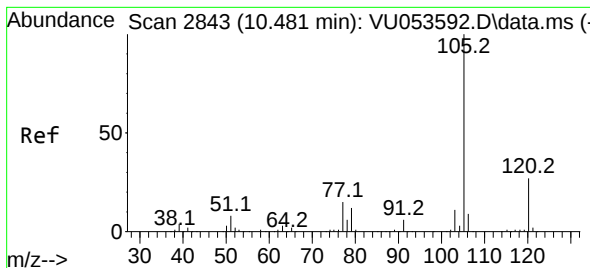
Tgt Ion:173 Resp: 3153
Ion Ratio Lower Upper
173 100
175 40.9 39.0 58.6
254 3.5 7.0 10.4#



#60
1,2,3-Trichloropropane
Concen: 3.538 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

Tgt Ion: 75 Resp: 6199
Ion Ratio Lower Upper
75 100
77 33.0 26.0 39.0
110 36.5 32.6 48.8





#61

Isopropylbenzene

Concen: 2.695 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04

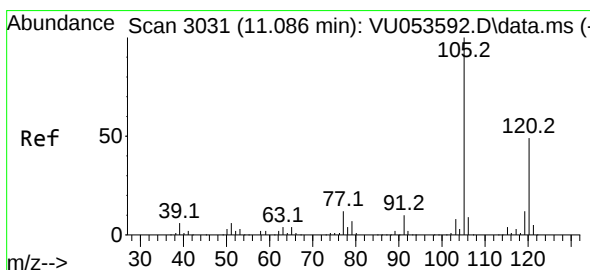
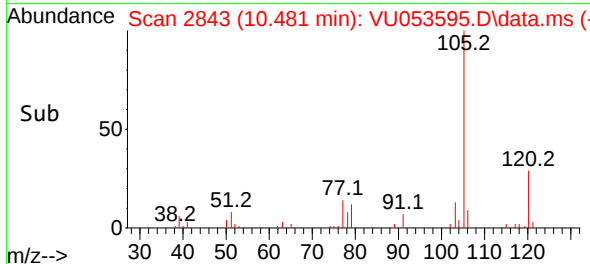
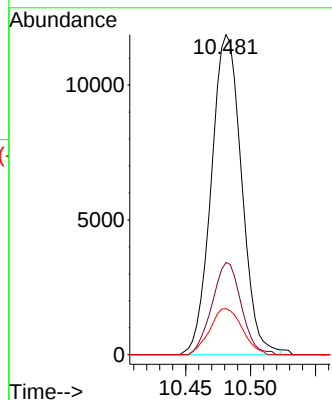
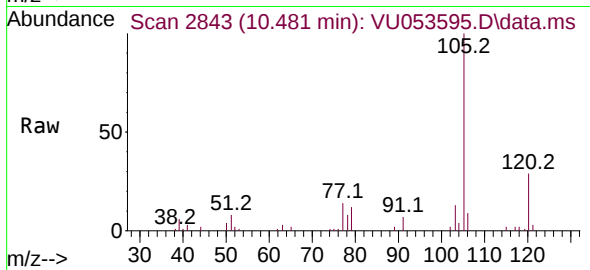
Tgt Ion:105 Resp: 19254

Ion Ratio Lower Upper

105 100

120 27.6 22.4 33.6

77 15.4 12.1 18.1



#62

1,3,5-Trimethylbenzene

Concen: 2.598 ug/L

RT: 11.085 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU053595.D

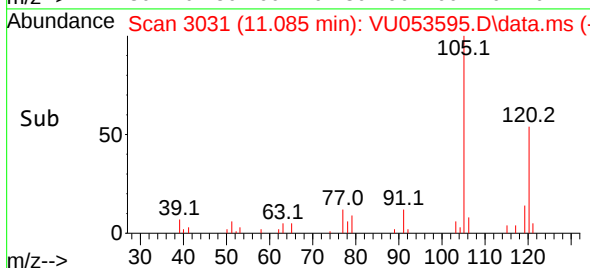
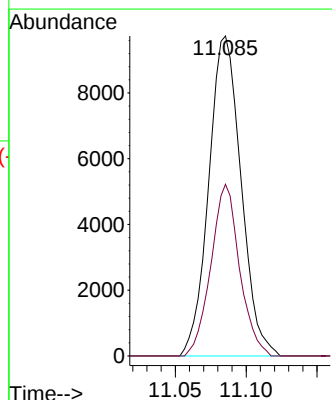
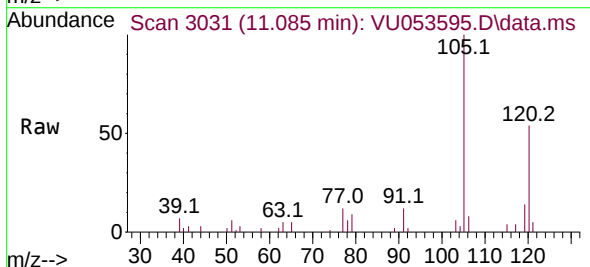
Acq: 07 Apr 2023 11:54

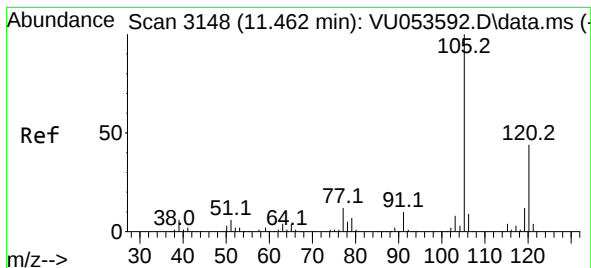
Tgt Ion:105 Resp: 15430

Ion Ratio Lower Upper

105 100

120 47.6 39.5 59.3





#63

1,2,4-Trimethylbenzene

Concen: 2.503 ug/L

RT: 11.465 min Scan# 3148

Delta R.T. 0.003 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

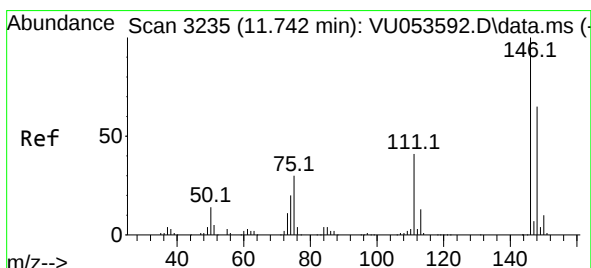
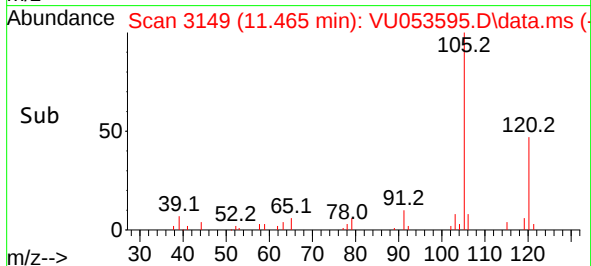
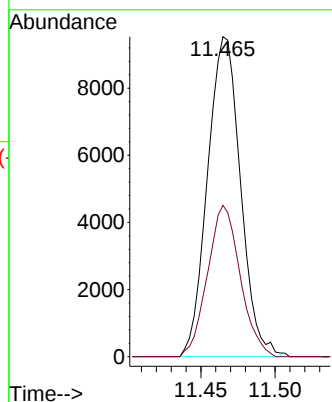
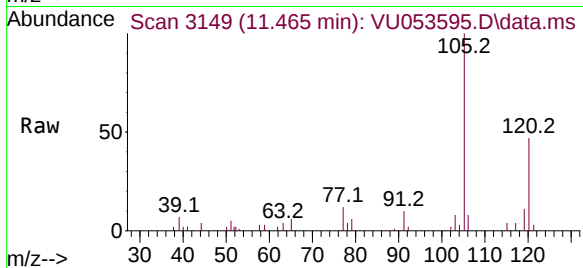
MDL-WATER-QT2-2023-04

Tgt Ion:105 Resp: 14722

Ion Ratio Lower Upper

105 100

120 46.9 37.5 56.3



#64

1,3-Dichlorobenzene

Concen: 2.672 ug/L

RT: 11.741 min Scan# 3235

Delta R.T. -0.000 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

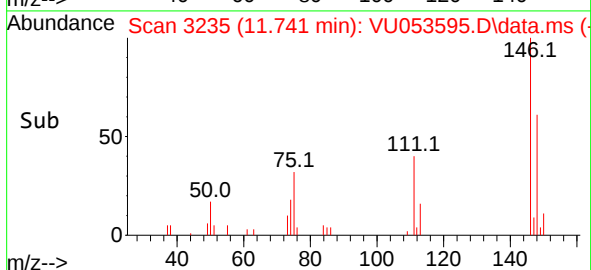
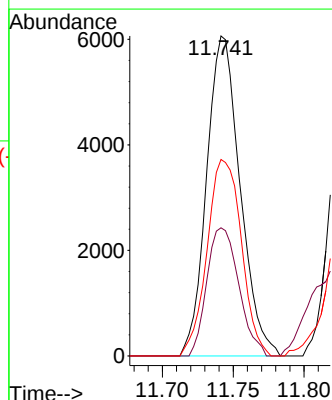
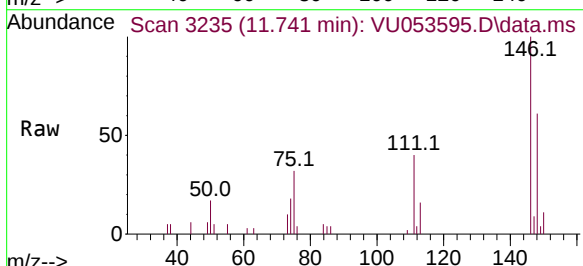
Tgt Ion:146 Resp: 9975

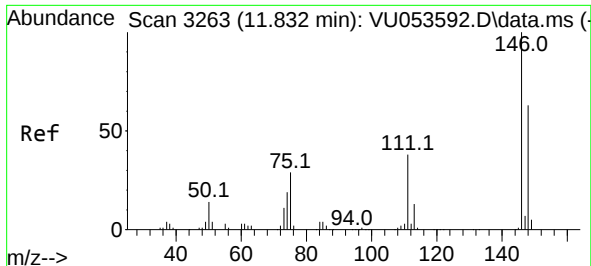
Ion Ratio Lower Upper

146 100

111 40.1 25.7 47.7

148 61.4 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 2.745 ug/L

RT: 11.831 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04

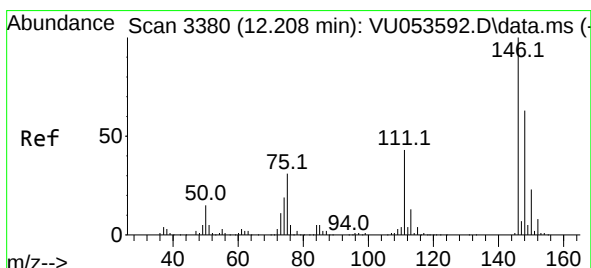
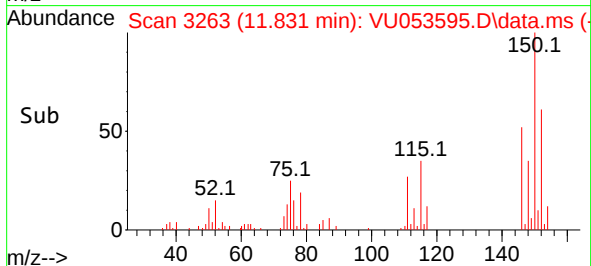
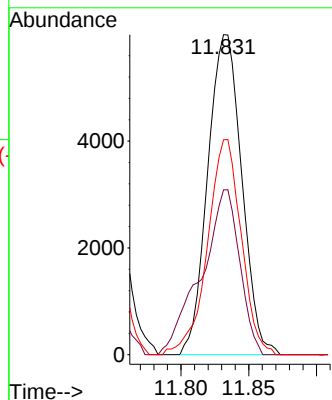
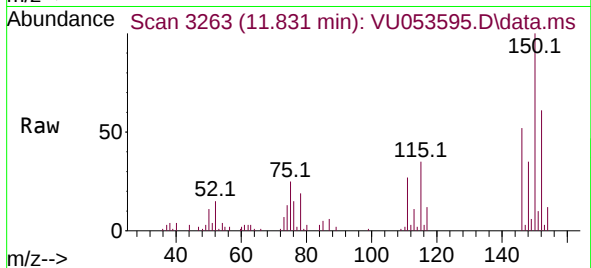
Tgt Ion:146 Resp: 10444

Ion Ratio Lower Upper

146 100

111 51.5 25.1 46.5#

148 67.1 44.3 82.3



#67

1,2-Dichlorobenzene

Concen: 2.824 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

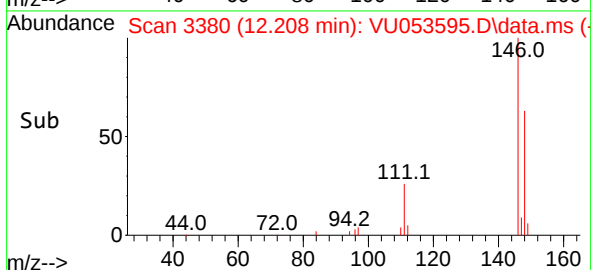
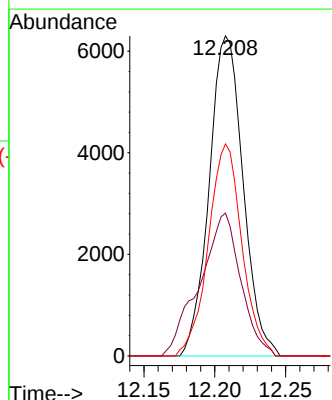
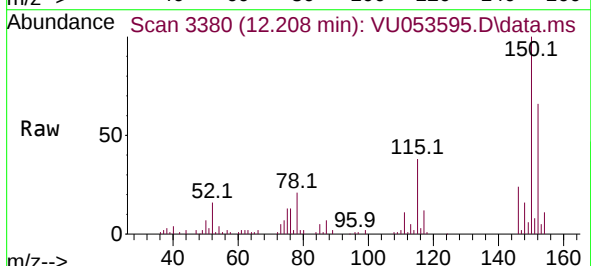
Tgt Ion:146 Resp: 10507

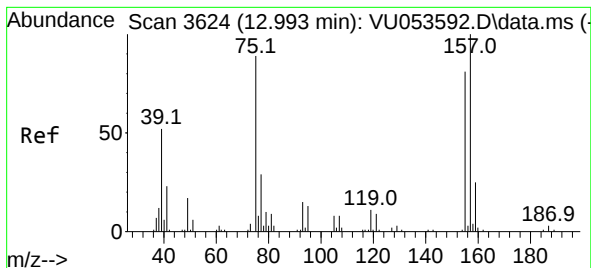
Ion Ratio Lower Upper

146 100

111 44.6 31.5 47.3

148 66.3 51.6 77.4





#68

1,2-Dibromo-3-chloropropane

Concen: 2.605 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.009 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04

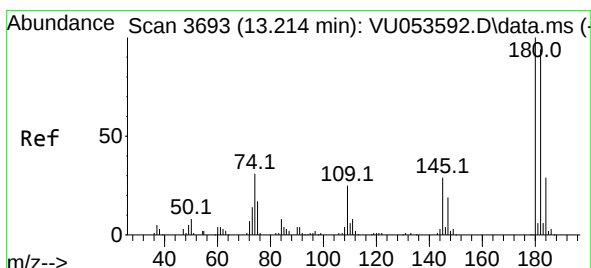
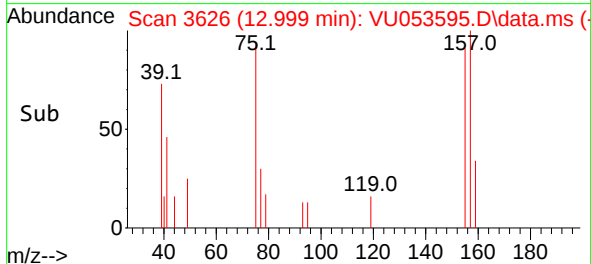
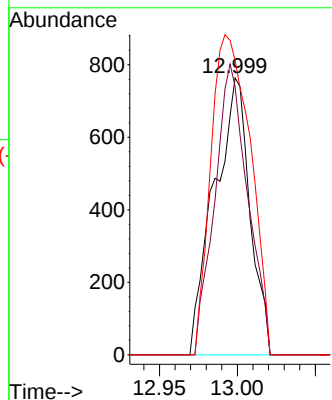
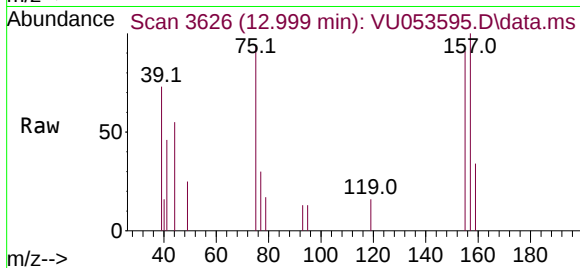
Tgt Ion: 75 Resp: 1217

Ion Ratio Lower Upper

75 100

155 96.9 79.9 119.9

157 106.3 100.8 151.2



#69

1,3,5-Trichlorobenzene

Concen: 2.196 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.003 min

Lab File: VU053595.D

Acq: 07 Apr 2023 11:54

Tgt Ion:180 Resp: 6070

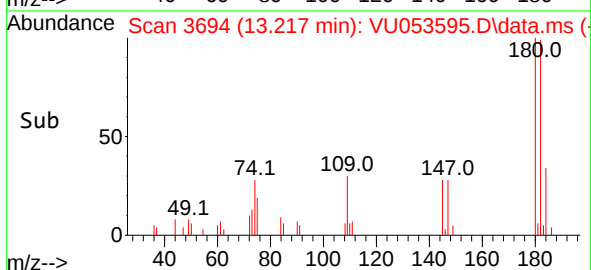
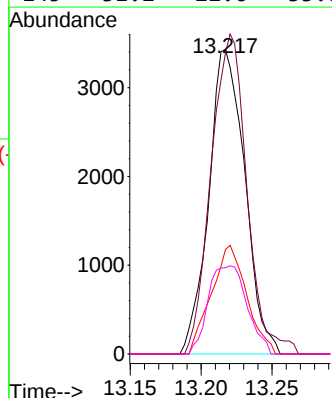
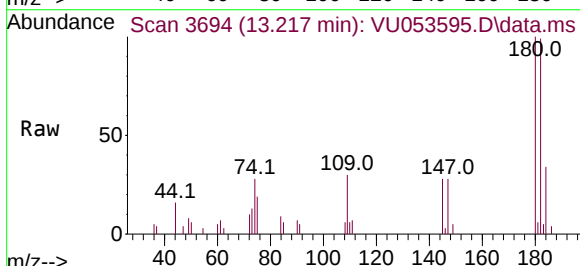
Ion Ratio Lower Upper

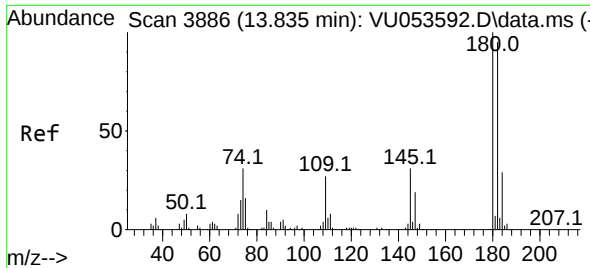
180 100

182 103.3 75.6 113.4

184 35.0 24.2 36.2

145 31.2 22.6 33.8

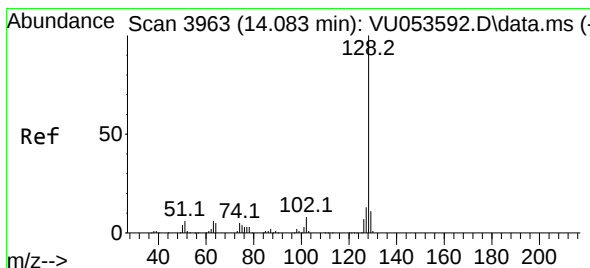
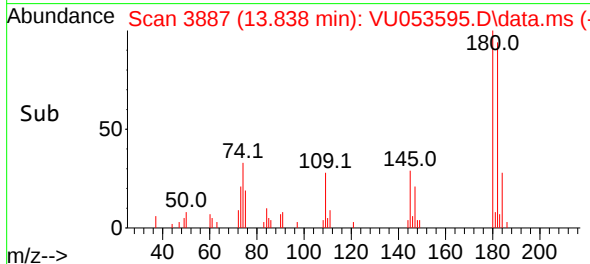
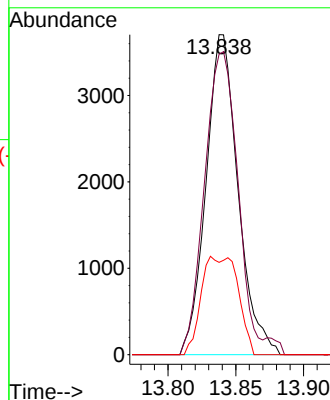
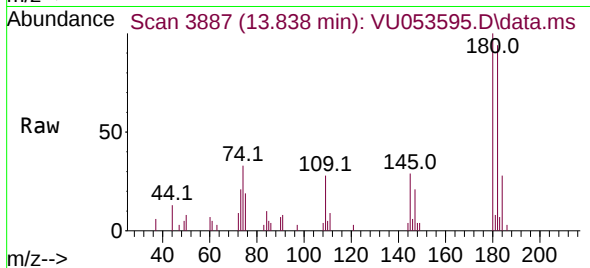




#70
1,2,4-trichlorobenzene
Concen: 2.376 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

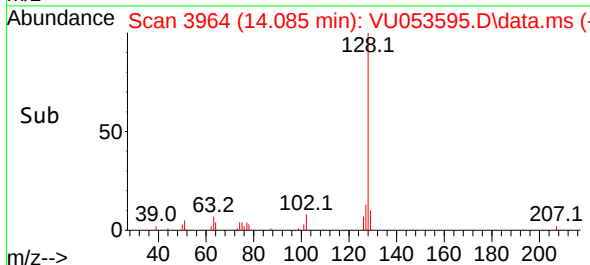
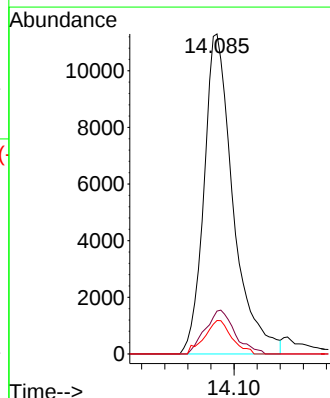
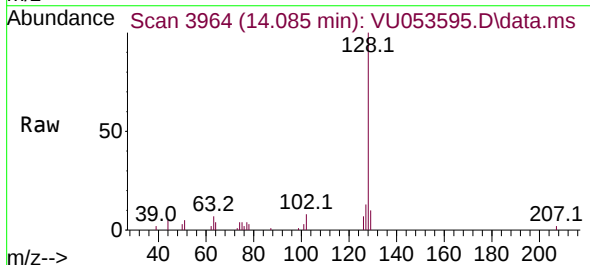
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

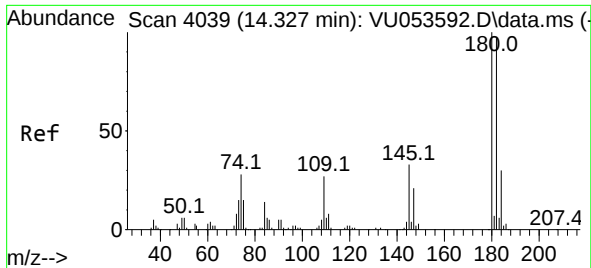
Tgt Ion:180 Resp: 6089
Ion Ratio Lower Upper
180 100
182 97.8 75.8 113.8
145 18.4 23.4 35.2#



#71
Naphthalene
Concen: 2.580 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU053595.D
Acq: 07 Apr 2023 11:54

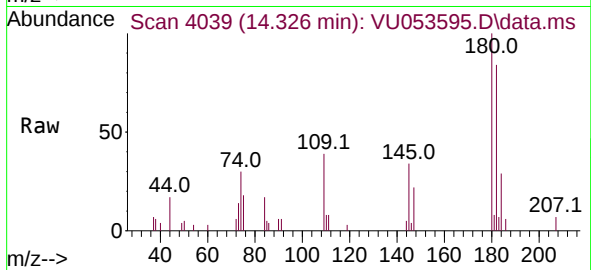
Tgt Ion:128 Resp: 19794
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 9.5 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 2.289 ug/L
 RT: 14.326 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU053595.D
 Acq: 07 Apr 2023 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-04



Tgt Ion:	180	Resp:	5861
Ion Ratio	Lower	Upper	
180	100		
182	93.3	77.0	115.6
145	32.3	25.4	38.0

