

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053170.D
 Acq On : 28 Feb 2023 13:50
 Operator : JC/MD
 Sample : 01627-09 0.8PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Mar 01 03:56:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 01 03:54:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	22889	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10508	1.088	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	8025	1.048	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	4513	0.777	ug/l	92
3) Chloromethane	1.521	50	4280	0.715	ug/l	100
4) Vinyl Chloride	1.608	62	4717	0.740	ug/l	99
5) Bromomethane	1.862	94	2720	0.750	ug/l	97
6) Chloroethane	1.939	64	2869	0.741	ug/l	92
7) Trichlorofluoromethane	2.141	101	6565	0.716	ug/l	91
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	4124	0.719	ug/l	99
9) 1,1-Dichloroethene	2.582	96	3738	0.750	ug/l	94
10) Iodomethane	2.723	142	3285	0.641	ug/l	97
11) Allyl Chloride	2.926	41	5890	0.757	ug/l	96
12) Acrylonitrile	3.325	53	1851	1.451	ug/l	# 88
13) Acetone	2.650	43	5376	2.948	ug/l	93
14) Carbon Disulfide	2.794	76	8161	0.714	ug/l	# 94
15) Methylene Chloride	3.045	84	6545	0.919	ug/l	90
16) trans-1,2-Dichloroethene	3.350	96	3877	0.708	ug/l	91
17) 1,1-Dichloroethane	3.868	63	9028	0.753	ug/l	100
18) 2-Butanone	4.720	43	7006	3.200	ug/l	99
19) Cyclohexane	5.389	56	5969	0.624	ug/l	# 85
20) Methylcyclohexane	6.755	83	7353	0.801	ug/l	98
21) 2,2-Dichloropropane	4.659	77	8162	0.777	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	4897	0.724	ug/l	99
23) Diethyl Ether	2.379	59	2918	0.716	ug/l	# 82
24) tert-Butyl Alcohol	3.177	59	235	0.491	ug/l	# 71
25) Methyl tert-Butyl Ether	3.363	73	10940	0.755	ug/l	# 89
26) Bromochloromethane	4.971	128	1927	0.737	ug/l	94
27) Chloroform	5.090	83	8979	0.727	ug/l	92
28) 1,1,1-Trichloroethane	5.312	97	7235	0.698	ug/l	94
29) 1,1-Dichloropropene	5.524	75	5625	0.724	ug/l	94
30) Carbon Tetrachloride	5.521	117	4804	0.673	ug/l	98
31) Isopropyl Ether	3.994	45	14912	0.780	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	13240	0.731	ug/l	95
33) Tert-Amyl methyl ether	5.948	73	11262	0.783	ug/l	95
34) Propionitrile	4.791	54	867	1.702	ug/l	# 59
35) Benzene	5.772	78	17883	0.780	ug/l	96
36) 1,2-Dichloroethane	5.794	62	5310	0.775	ug/l	100
37) Trichloroethene	6.540	130	4080	0.775	ug/l	97
38) 1,2-Dichloropropane	6.788	63	5247	0.791	ug/l	92
39) Methacrylonitrile	4.977	41	1731	0.797	ug/l	# 56
40) Methyl acrylate	4.852	55	2607	0.776	ug/l	# 89
41) Tetrahydrofuran	5.083	42	1717	1.612	ug/l	97
42) 1-Chlorobutane	5.453	56	7911	0.731	ug/l	90
43) Dibromomethane	6.916	93	2281	0.776	ug/l	94
44) Bromodichloromethane	7.106	83	6036	0.751	ug/l	96

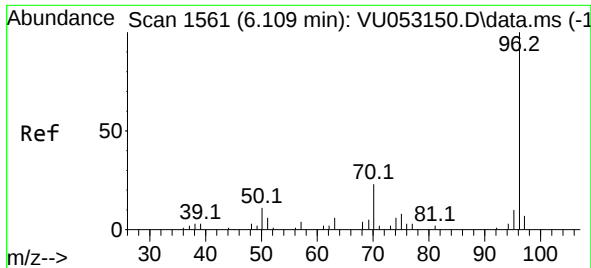
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	14543	4.052	ug/l	98
46) t-1,4-Dichloro-2-butene	10.820	75	5889	3.256	ug/l #	50
47) Methyl methacrylate	6.964	69	4562	1.508	ug/l	98
48) Ethyl methacrylate	8.334	69	4870	0.784	ug/l	95
49) Toluene	7.968	92	11120	0.787	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	5419	0.694	ug/l	95
51) cis-1,3-Dichloropropene	7.607	75	7082	0.748	ug/l	97
52) 1,1,2-Trichloroethane	8.402	97	3630	0.841	ug/l	94
53) 1,3-Dichloropropane	8.575	76	6073	0.784	ug/l	99
54) 2-Hexanone	8.691	43	9819	3.211	ug/l	98
55) Dibromochloromethane	8.810	129	3793	0.770	ug/l	90
56) 1,2-Dibromoethane	8.923	107	3237	0.844	ug/l	91
58) Tetrachloroethene	8.550	164	3646	0.869	ug/l #	84
59) Chlorobenzene	9.447	112	12812	0.811	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.530	131	3600	0.690	ug/l	92
61) Pentachloroethane	11.424	117	3100	0.684	ug/l	90
62) Hexachloroethane	12.475	117	3144	0.629	ug/l	94
63) Ethyl Benzene	9.569	91	23059	0.791	ug/l	98
64) m/p-Xylenes	9.691	106	16746	1.584	ug/l	97
65) o-Xylene	10.099	106	8059	0.746	ug/l	97
66) Styrene	10.112	104	12621	0.737	ug/l	96
67) Bromoform	10.292	173	1601	0.668	ug/l #	97
69) Isopropylbenzene	10.482	105	22357	0.773	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.781	83	4715	0.810	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	5889	1.176	ug/l #	53
72) Bromobenzene	10.781	156	4388	0.782	ug/l	98
73) n-propylbenzene	10.903	120	5542	0.722	ug/l	89
74) 2-Chlorotoluene	10.984	126	5054	0.796	ug/l	99
75) 1,3,5-Trimethylbenzene	11.083	105	18179	0.755	ug/l	96
76) 4-Chlorotoluene	11.096	126	5122	0.767	ug/l	92
77) tert-Butylbenzene	11.418	119	17200	0.729	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	18830	0.768	ug/l	98
79) sec-Butylbenzene	11.639	105	24197	0.739	ug/l	99
80) Nitrobenzene	13.215	77	900	2.959	ug/l #	74
81) p-Isopropyltoluene	11.791	119	20060	0.774	ug/l	97
82) 1,3-Dichlorobenzene	11.742	146	9677	0.786	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	9696	0.771	ug/l	93
84) n-Butylbenzene	12.205	91	20034	0.746	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	9344	0.795	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.996	75	578	0.631	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.839	180	5561	0.771	ug/l	96
88) Hexachlorobutadiene	14.016	225	2437	0.692	ug/l	95
89) Naphthalene	14.086	128	12066	0.787	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	5054	0.797	ug/l	97

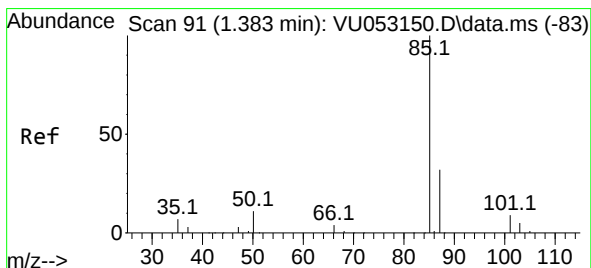
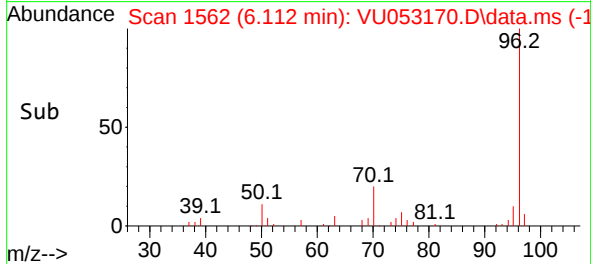
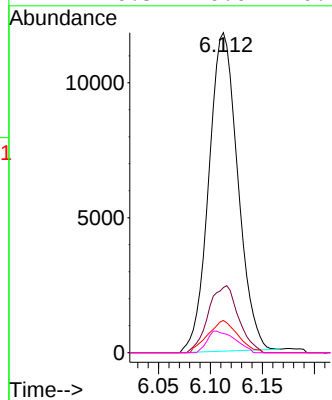
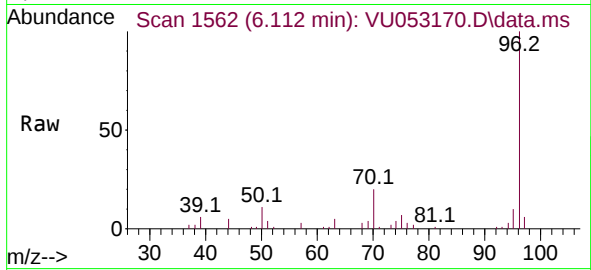
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

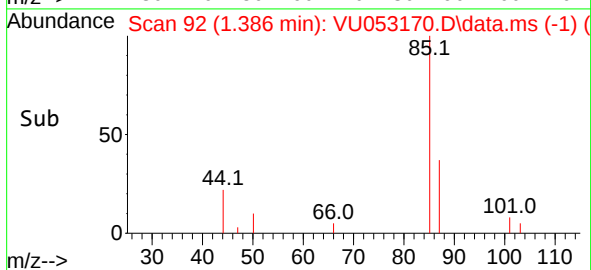
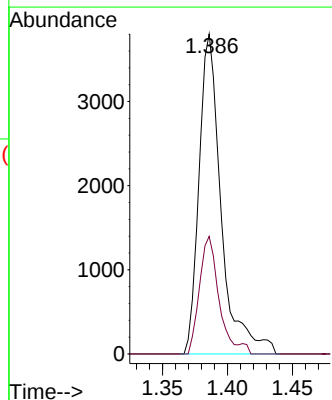
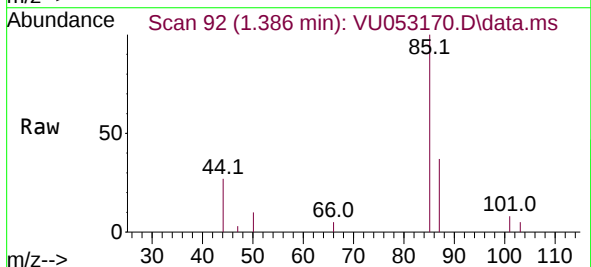
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

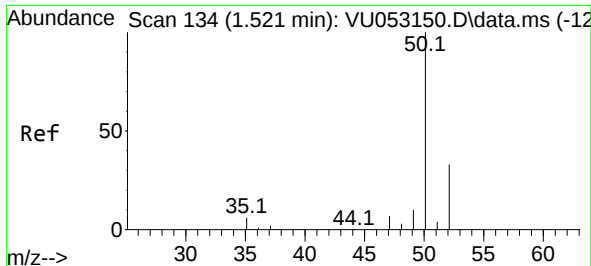
Tgt Ion: 96	Resp: 22889
Ion Ratio	Lower Upper
96 100	
70 21.8	15.5 23.3
95 10.4	7.0 10.6
97 6.5	0.0 0.0#



#2
Dichlorodifluoromethane
Concen: 0.777 ug/l
RT: 1.386 min Scan# 92
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 85	Resp: 4513
Ion Ratio	Lower Upper
85 100	
87 36.8	16.1 48.2

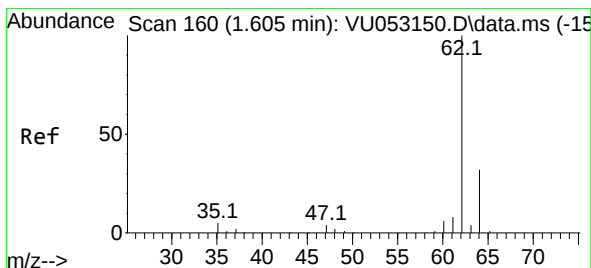
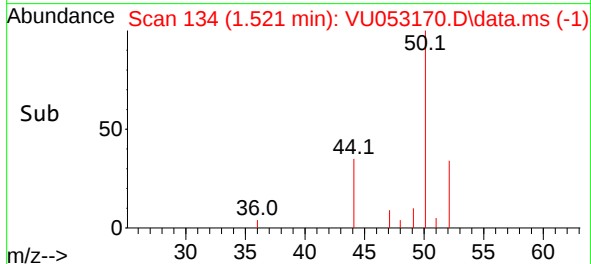
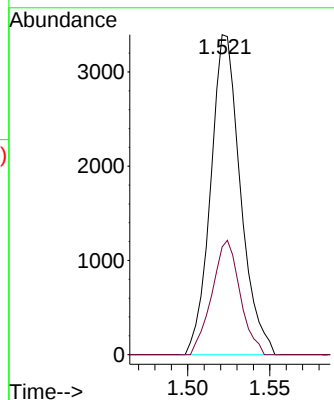
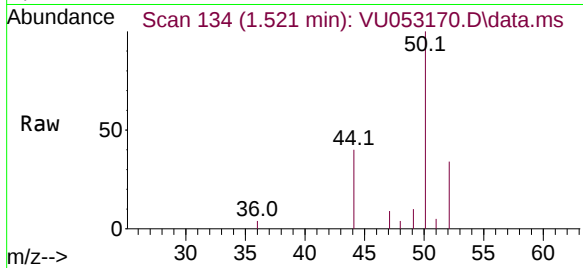




#3
Chloromethane
Concen: 0.715 ug/l
RT: 1.521 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

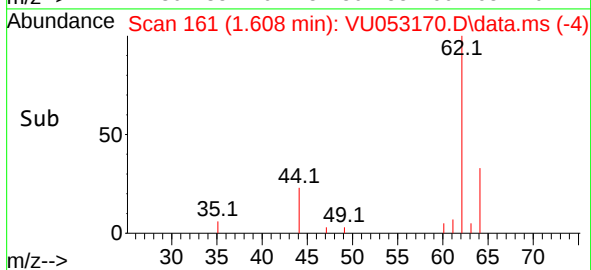
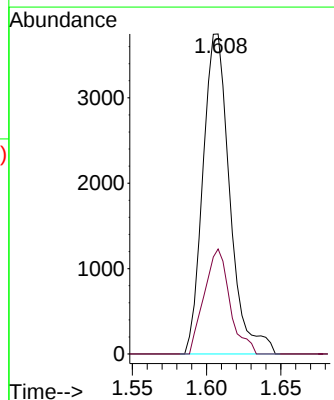
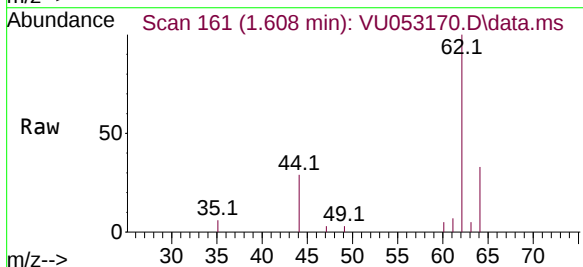
Instrument :
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ClientSampleId :
MDL-WATER-03-QT1-2023

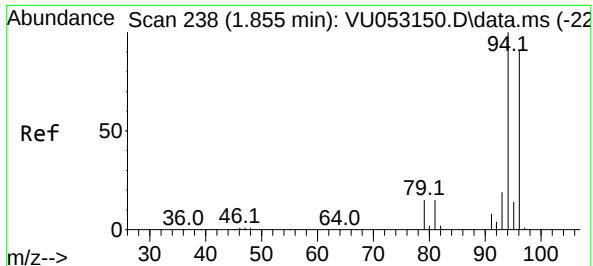
Tgt Ion: 50 Resp: 4280
Ion Ratio Lower Upper
50 100
52 33.6 26.7 40.1



#4
Vinyl Chloride
Concen: 0.740 ug/l
RT: 1.608 min Scan# 161
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 62 Resp: 4717
Ion Ratio Lower Upper
62 100
64 32.8 25.8 38.6

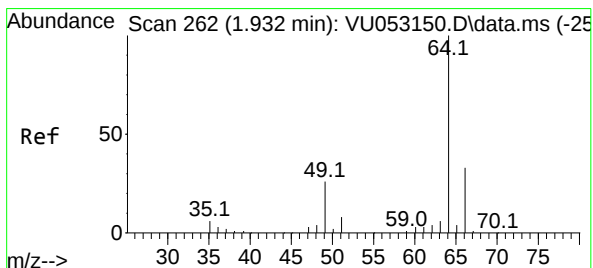
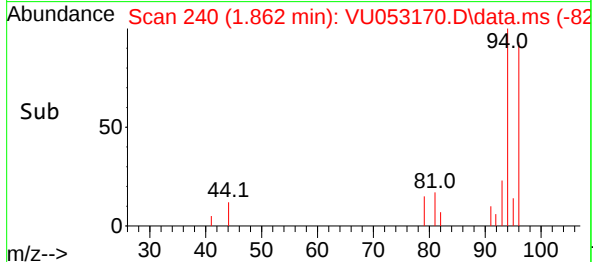
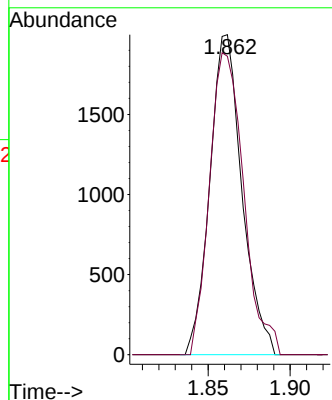
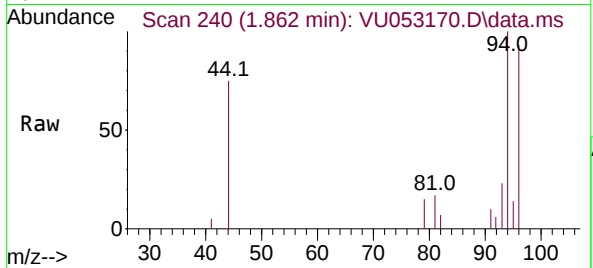




#5
Bromomethane
Concen: 0.750 ug/l
RT: 1.862 min Scan# 240
Delta R.T. 0.006 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

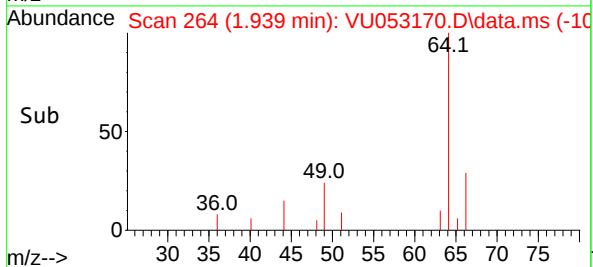
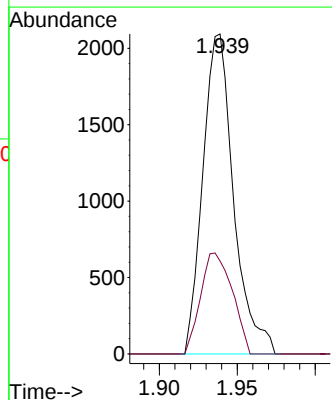
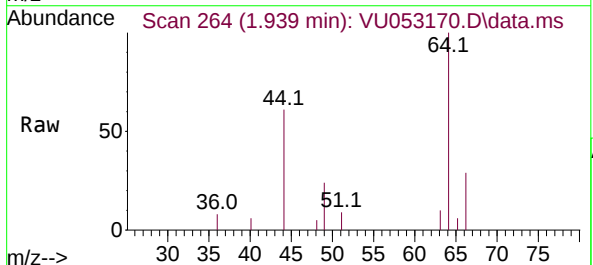
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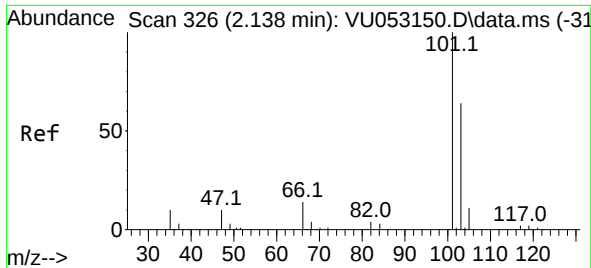
Tgt Ion: 94 Resp: 2720
Ion Ratio Lower Upper
94 100
96 93.2 72.6 108.8



#6
Chloroethane
Concen: 0.741 ug/l
RT: 1.939 min Scan# 264
Delta R.T. 0.006 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 64 Resp: 2869
Ion Ratio Lower Upper
64 100
66 29.0 26.8 40.2

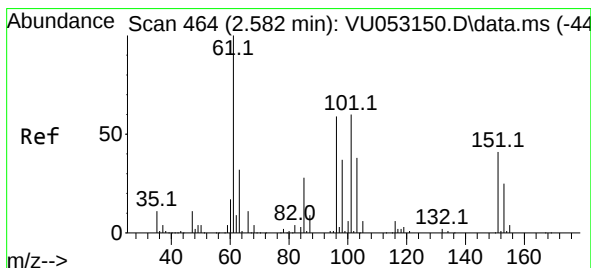
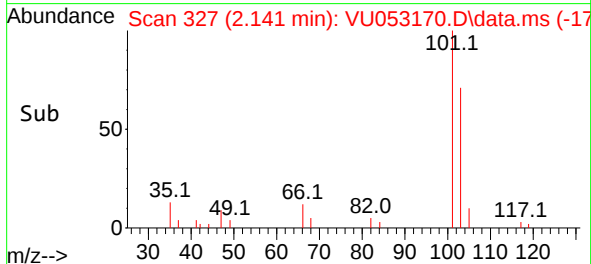
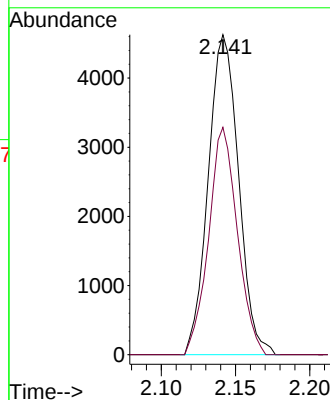
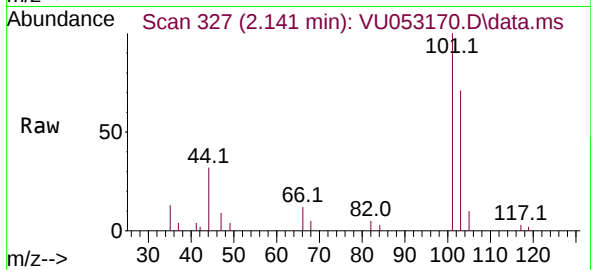




#7
 Trichlorofluoromethane
 Concen: 0.716 ug/l
 RT: 2.141 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU053170.D
 Acq: 28 Feb 2023 13:50

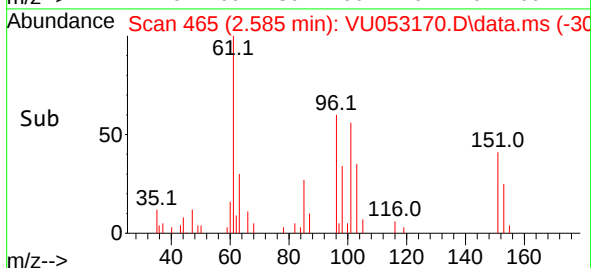
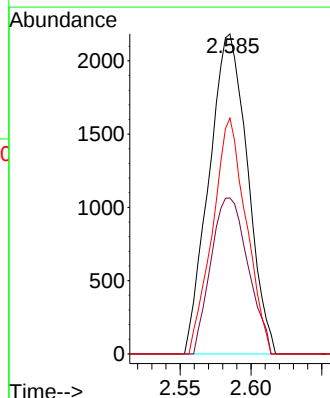
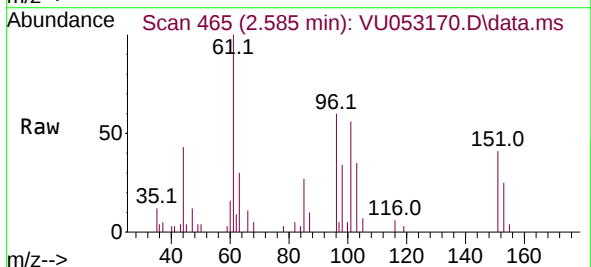
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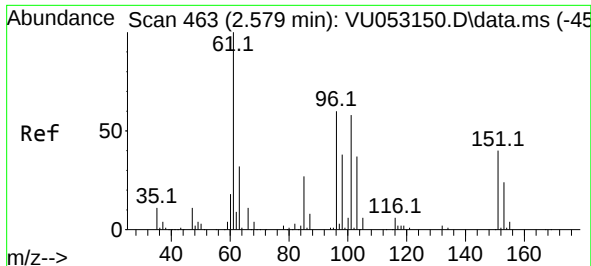
Tgt Ion:101 Resp: 6565
 Ion Ratio Lower Upper
 101 100
 103 71.0 51.2 76.8



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.719 ug/l
 RT: 2.585 min Scan# 465
 Delta R.T. 0.003 min
 Lab File: VU053170.D
 Acq: 28 Feb 2023 13:50

Tgt Ion:101 Resp: 4124
 Ion Ratio Lower Upper
 101 100
 85 47.1 37.3 55.9
 151 64.5 52.4 78.6

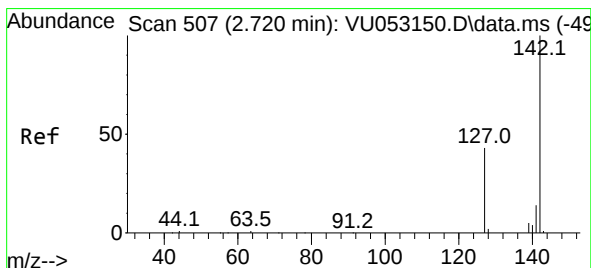
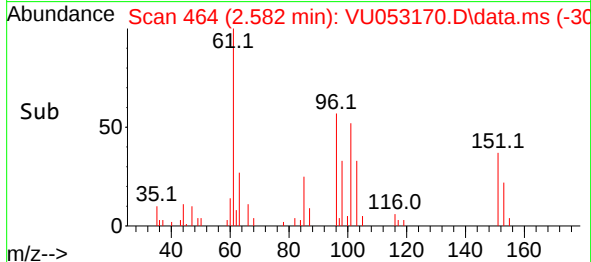
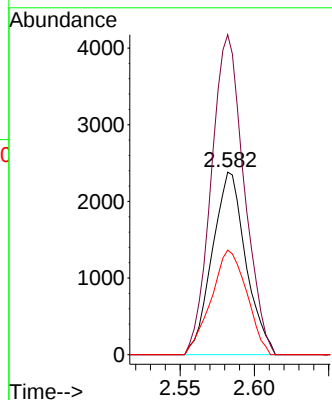
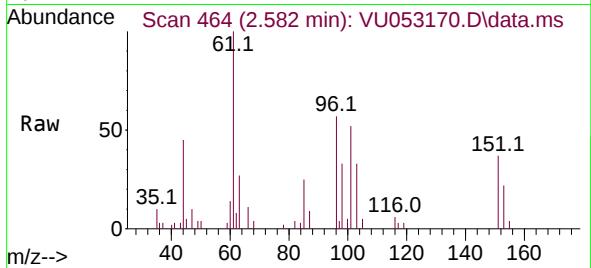




#9
1,1-Dichloroethene
Concen: 0.750 ug/l
RT: 2.582 min Scan# 463
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

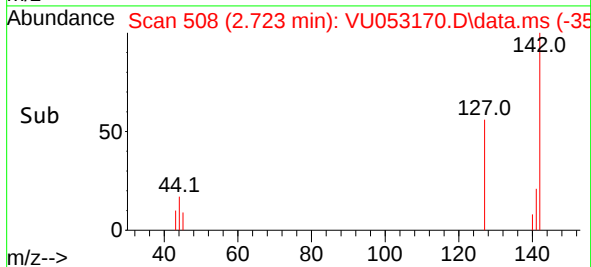
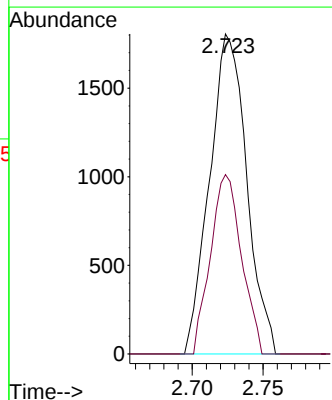
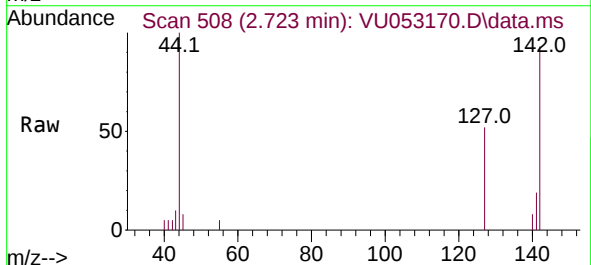
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

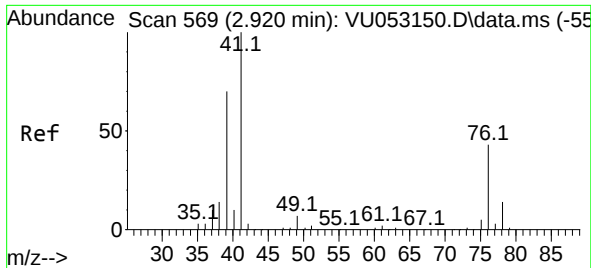
Tgt Ion: 96 Resp: 3738
Ion Ratio Lower Upper
96 100
61 175.3 0.0 502.5
98 57.3 0.0 126.2



#10
Iodomethane
Concen: 0.641 ug/l
RT: 2.723 min Scan# 508
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 142 Resp: 3285
Ion Ratio Lower Upper
142 100
127 46.8 35.8 53.8

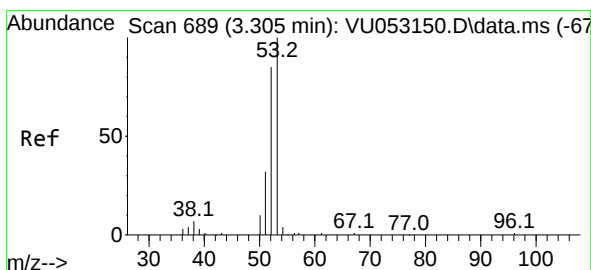
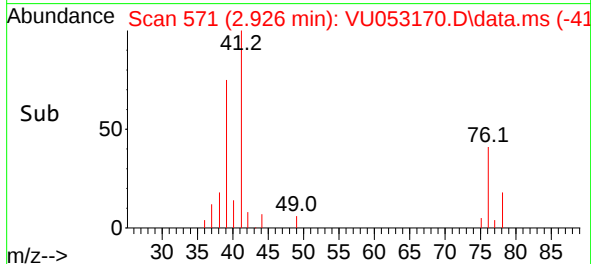
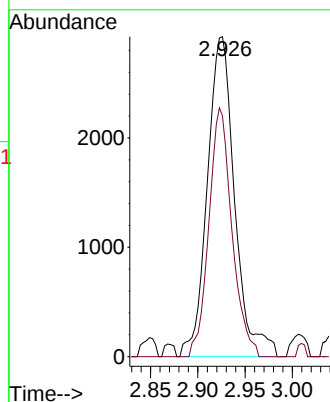
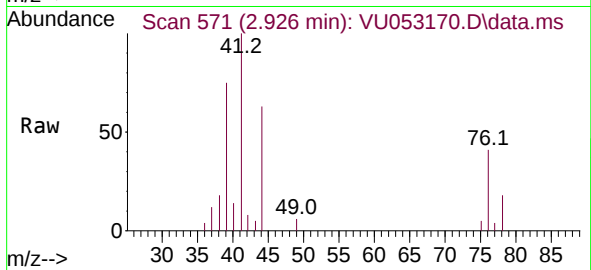




#11
 Allyl Chloride
 Concen: 0.757 ug/l
 RT: 2.926 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VU053170.D
 Acq: 28 Feb 2023 13:50

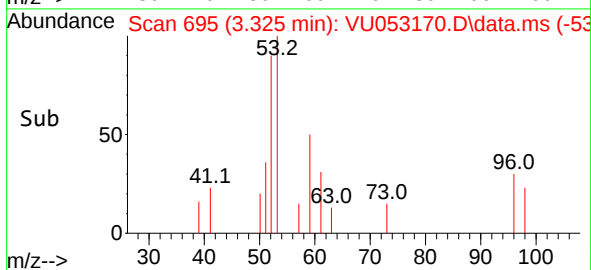
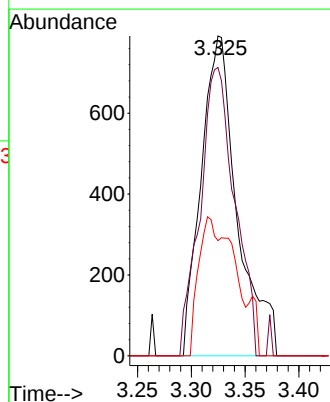
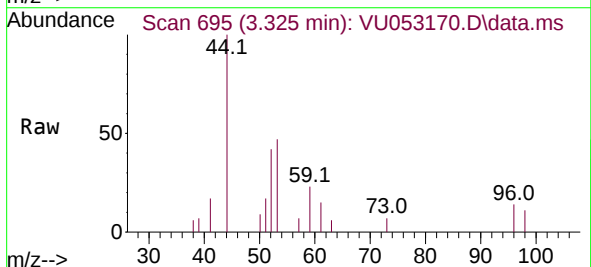
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2023

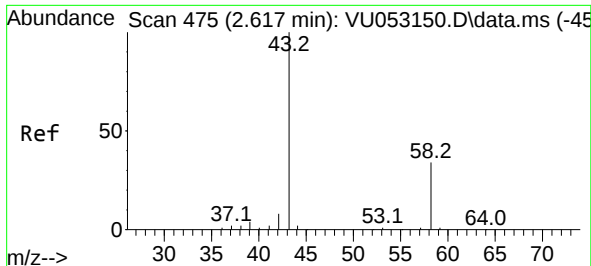
Tgt Ion: 41 Resp: 5890
 Ion Ratio Lower Upper
 41 100
 39 65.6 55.3 82.9



#12
 Acrylonitrile
 Concen: 1.451 ug/l
 RT: 3.325 min Scan# 695
 Delta R.T. 0.019 min
 Lab File: VU053170.D
 Acq: 28 Feb 2023 13:50

Tgt Ion: 53 Resp: 1851
 Ion Ratio Lower Upper
 53 100
 52 86.4 65.9 98.9
 51 22.5 31.8 47.8#





#13

Acetone

Concen: 2.948 ug/l

RT: 2.650 min Scan# 41

Delta R.T. 0.032 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

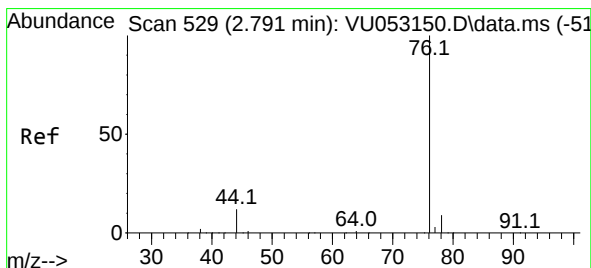
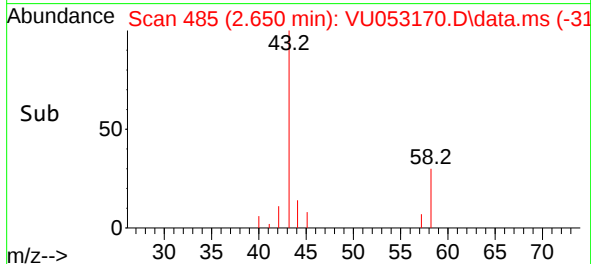
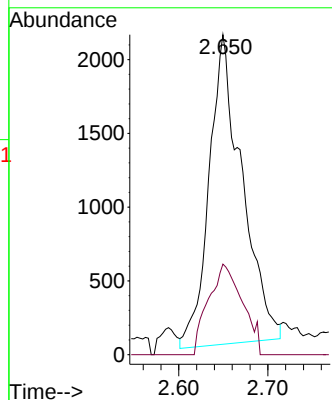
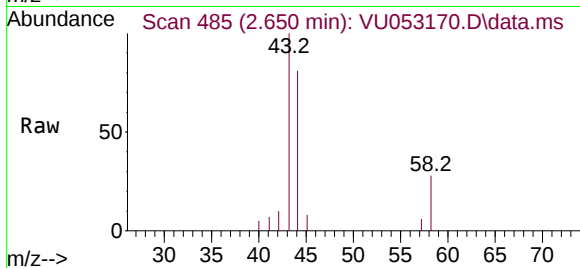
MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 5376

Ion Ratio Lower Upper

43 100

58 29.8 27.2 40.8



#14

Carbon Disulfide

Concen: 0.714 ug/l

RT: 2.794 min Scan# 530

Delta R.T. 0.003 min

Lab File: VU053170.D

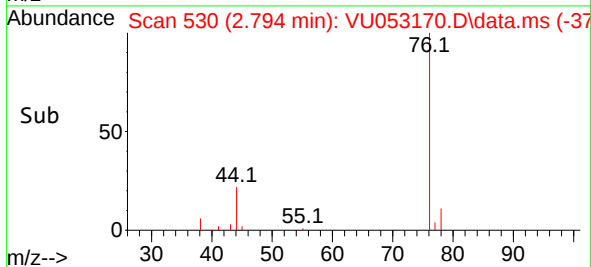
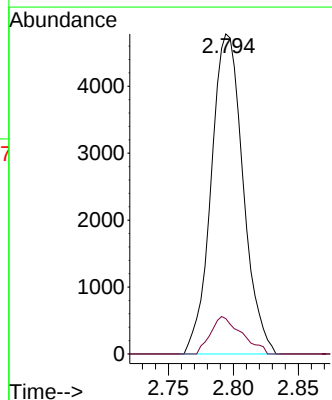
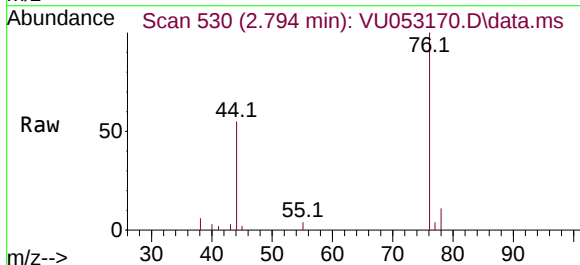
Acq: 28 Feb 2023 13:50

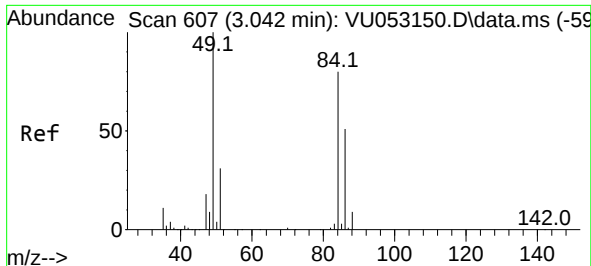
Tgt Ion: 76 Resp: 8161

Ion Ratio Lower Upper

76 100

78 11.1 7.2 10.8#

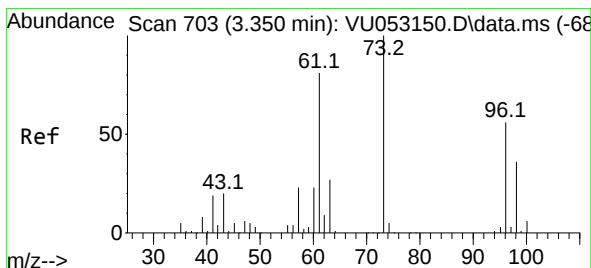
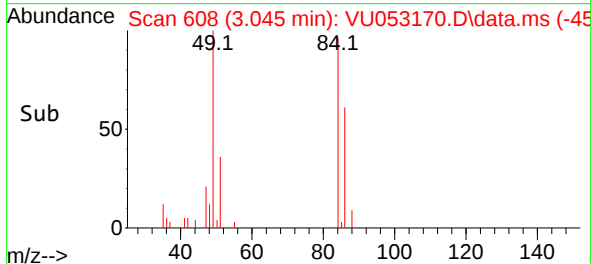
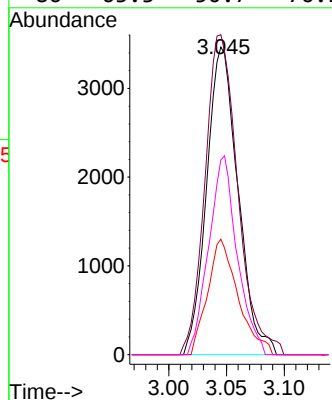
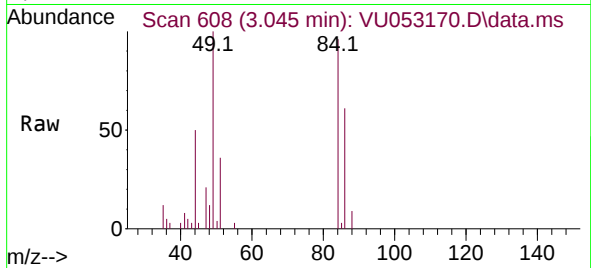




#15
Methylene Chloride
Concen: 0.919 ug/l
RT: 3.045 min Scan# 607
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

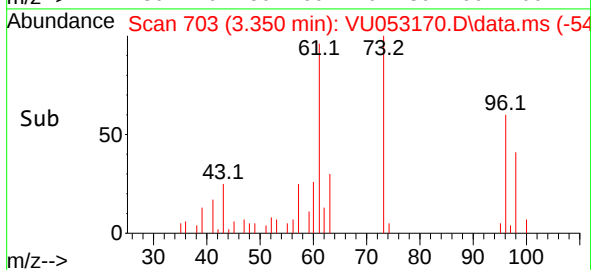
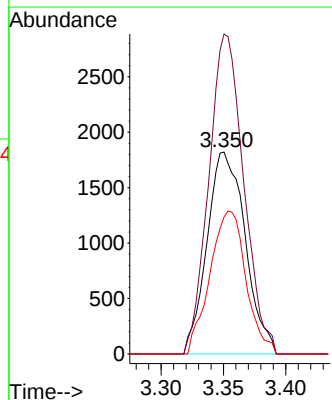
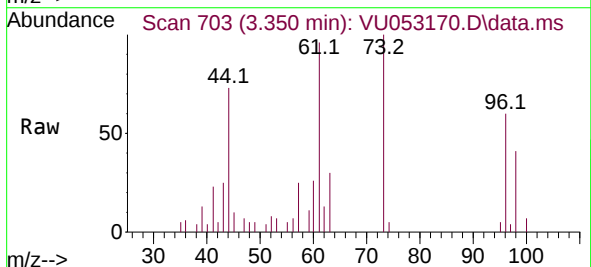
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

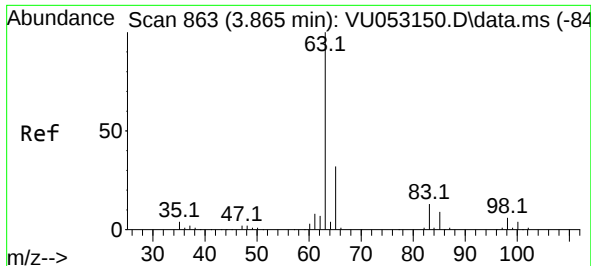
Tgt Ion:	84	Resp:	6545
Ion	Ratio	Lower	Upper
84	100		
49	104.0	99.5	149.3
51	37.6	0.0	76.8
86	63.3	50.7	76.1



#16
trans-1,2-Dichloroethene
Concen: 0.708 ug/l
RT: 3.350 min Scan# 703
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion:	96	Resp:	3877
Ion	Ratio	Lower	Upper
96	100		
61	158.5	116.1	174.1
98	67.8	51.4	77.2





#17

1,1-Dichloroethane

Concen: 0.753 ug/l

RT: 3.868 min Scan# 8

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

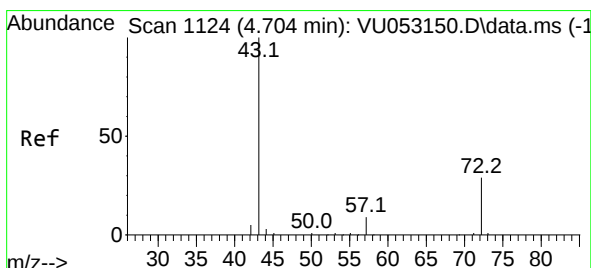
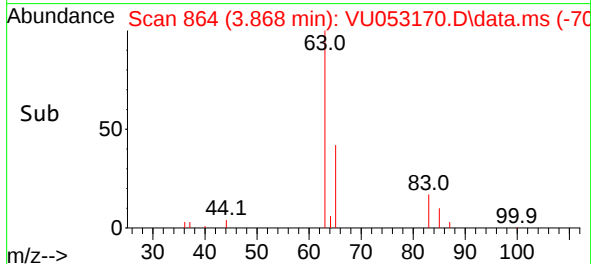
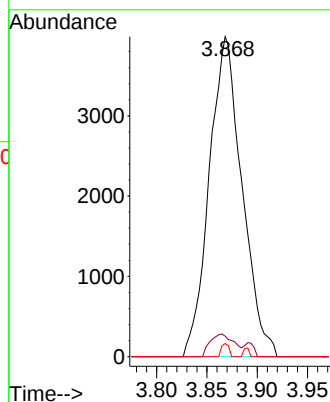
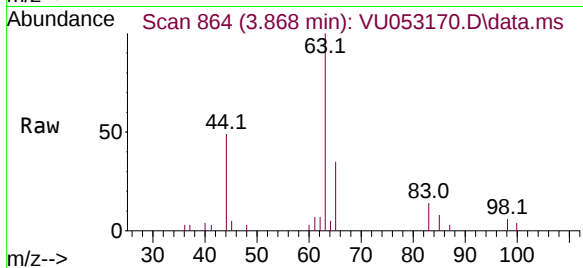
Tgt Ion: 63 Resp: 9028

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.1 2.1 6.2



#18

2-Butanone

Concen: 3.200 ug/l

RT: 4.720 min Scan# 1129

Delta R.T. 0.016 min

Lab File: VU053170.D

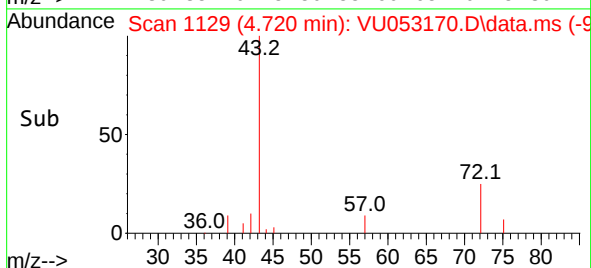
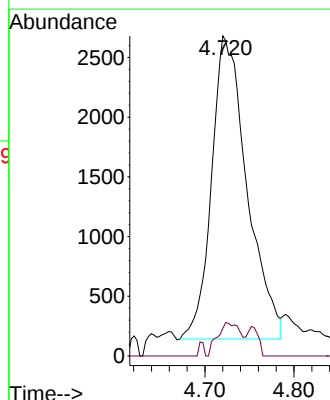
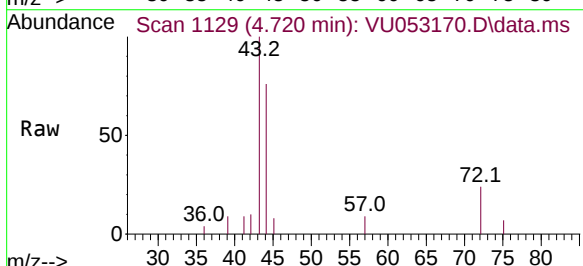
Acq: 28 Feb 2023 13:50

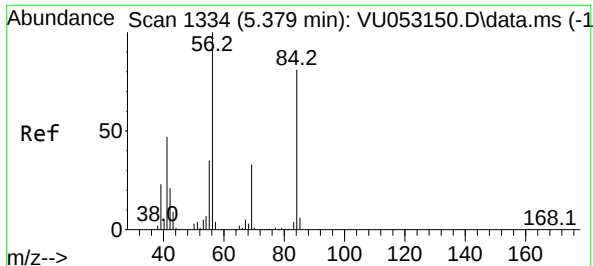
Tgt Ion: 43 Resp: 7006

Ion Ratio Lower Upper

43 100

57 9.2 0.0 17.6





#19

Cyclohexane

Concen: 0.624 ug/l

RT: 5.389 min Scan# 11

Delta R.T. 0.010 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

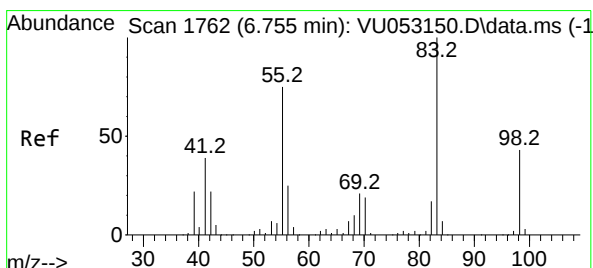
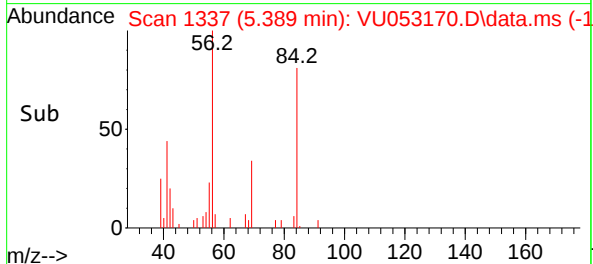
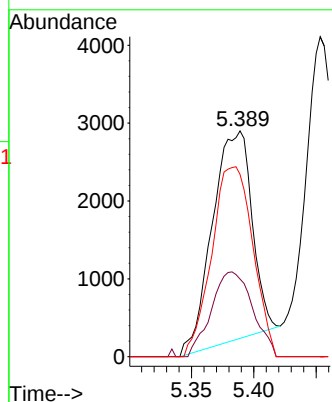
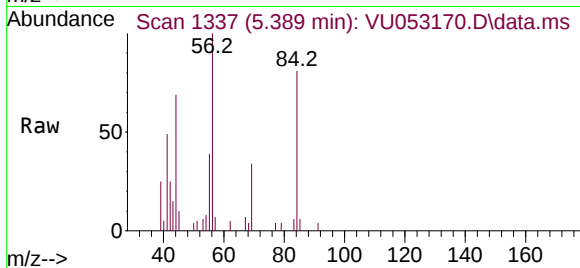
Tgt Ion: 56 Resp: 5969

Ion Ratio Lower Upper

56 100

69 42.1 26.1 39.1#

84 93.8 64.7 97.1



#20

Methylcyclohexane

Concen: 0.801 ug/l

RT: 6.755 min Scan# 1762

Delta R.T. 0.000 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

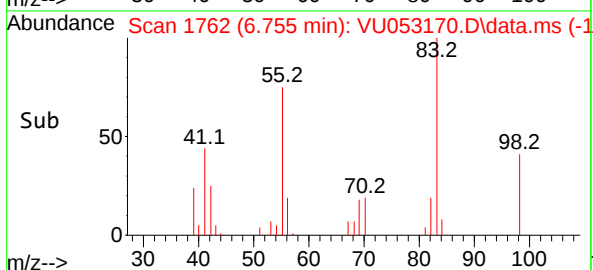
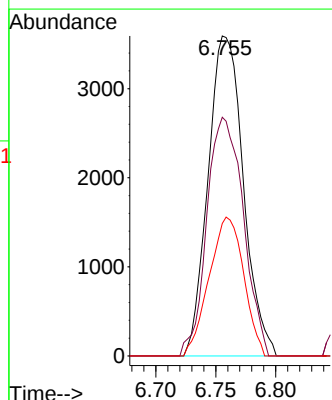
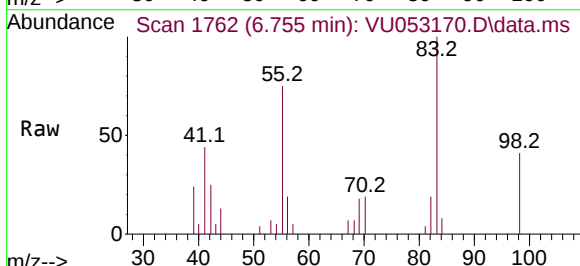
Tgt Ion: 83 Resp: 7353

Ion Ratio Lower Upper

83 100

55 77.1 60.2 90.2

98 42.5 33.9 50.9





#21

2,2-Dichloropropane

Concen: 0.777 ug/l

RT: 4.659 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

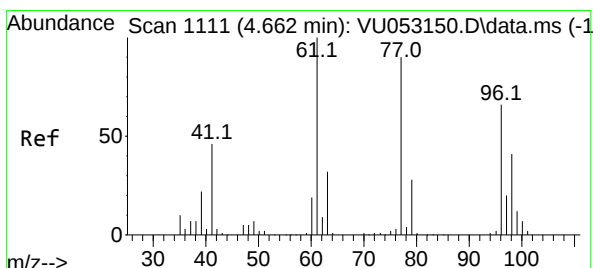
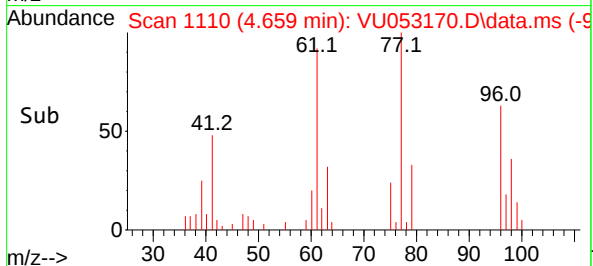
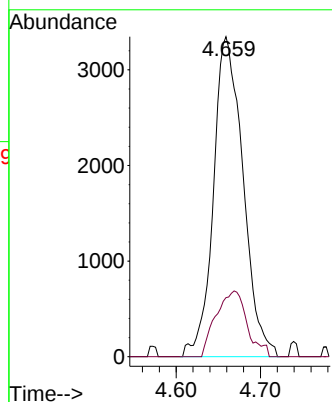
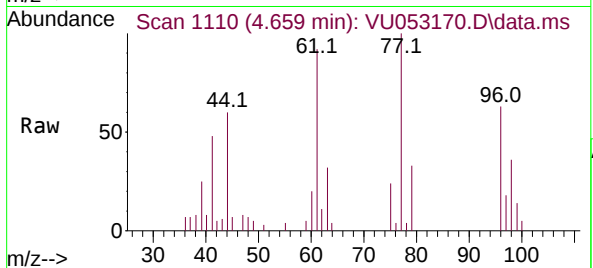
MDL-WATER-03-QT1-2023

Tgt Ion: 77 Resp: 8162

Ion Ratio Lower Upper

77 100

97 21.5 17.9 26.9



#22

cis-1,2-Dichloroethene

Concen: 0.724 ug/l

RT: 4.665 min Scan# 1112

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

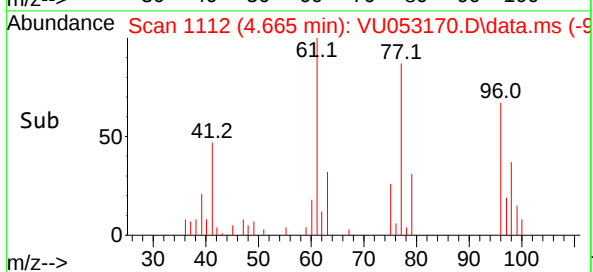
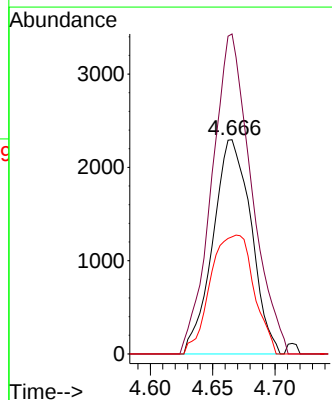
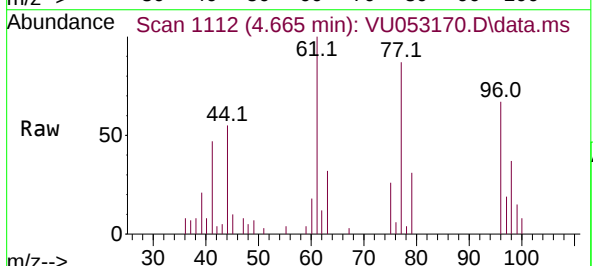
Tgt Ion: 96 Resp: 4897

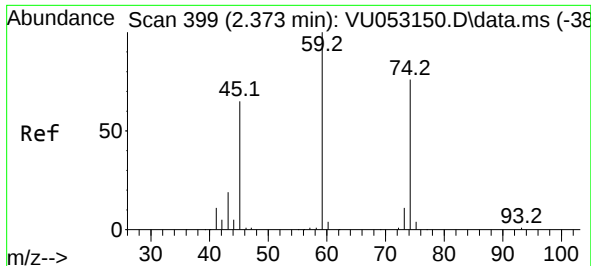
Ion Ratio Lower Upper

96 100

61 154.8 0.0 390.5

98 63.0 31.9 95.9

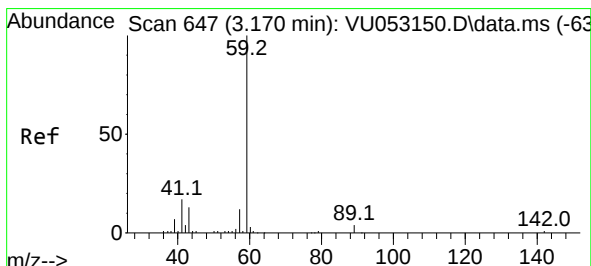
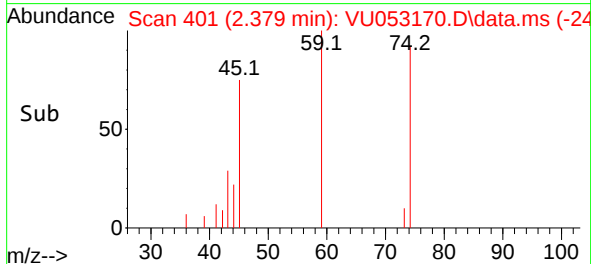
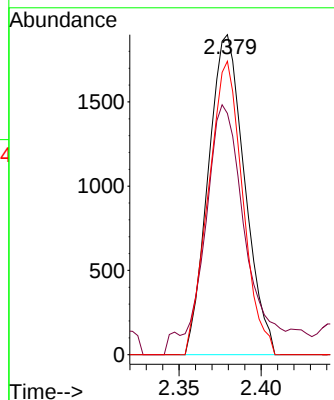
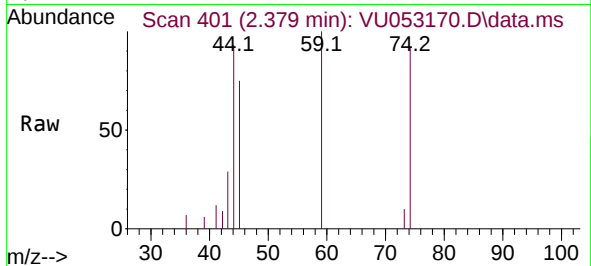




#23
Diethyl Ether
Concen: 0.716 ug/l
RT: 2.379 min Scan# 401
Delta R.T. 0.006 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

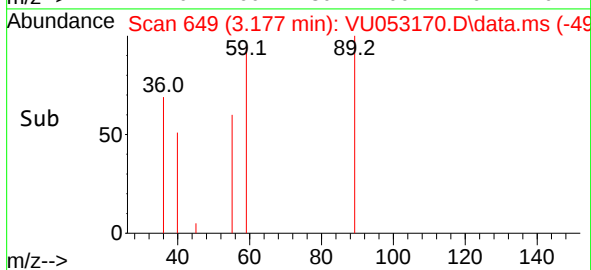
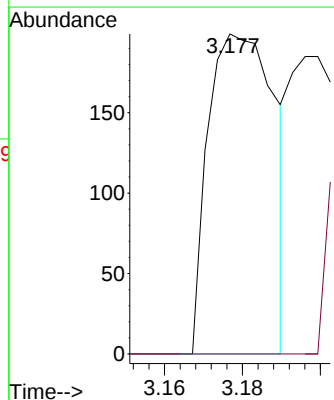
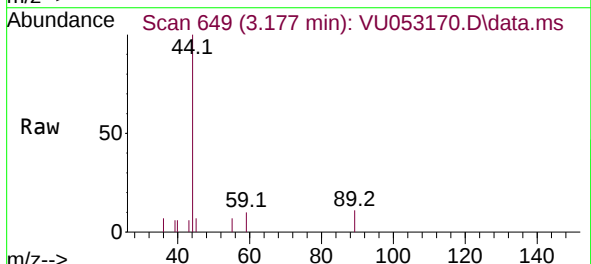
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

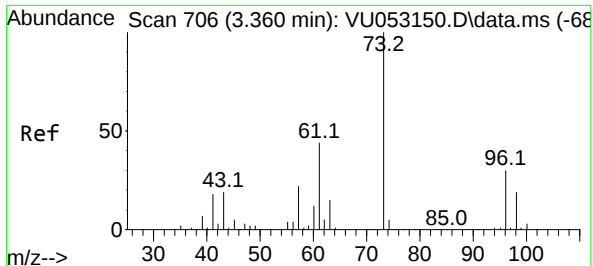
Tgt Ion: 59 Resp: 2918
Ion Ratio Lower Upper
59 100
45 86.8 54.2 81.2#
74 86.5 60.4 90.6



#24
tert-Butyl Alcohol
Concen: 0.491 ug/l
RT: 3.177 min Scan# 649
Delta R.T. 0.006 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 59 Resp: 235
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#25

Methyl tert-Butyl Ether

Concen: 0.755 ug/l

RT: 3.363 min Scan# 706

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

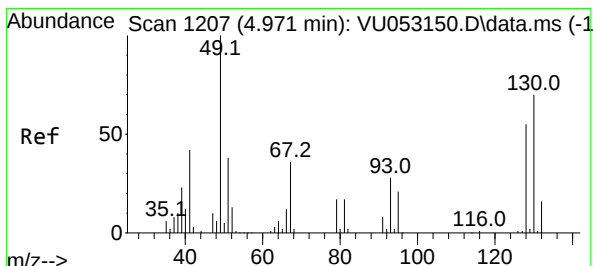
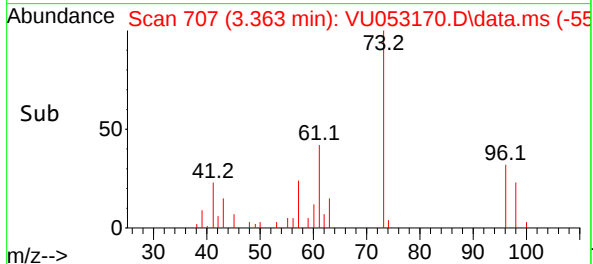
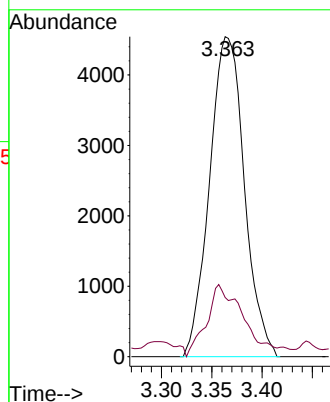
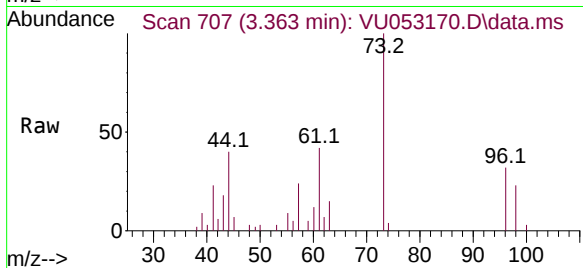
MDL-WATER-03-QT1-2023

Tgt Ion: 73 Resp: 10940

Ion Ratio Lower Upper

73 100

43 23.7 15.0 22.6#



#26

Bromochloromethane

Concen: 0.737 ug/l

RT: 4.971 min Scan# 1207

Delta R.T. 0.000 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

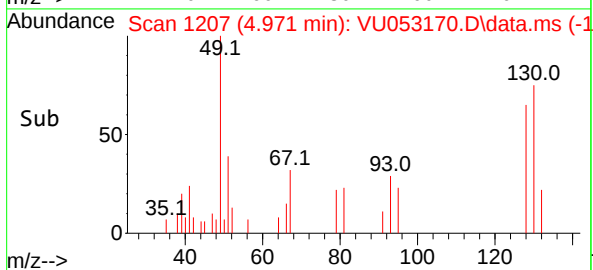
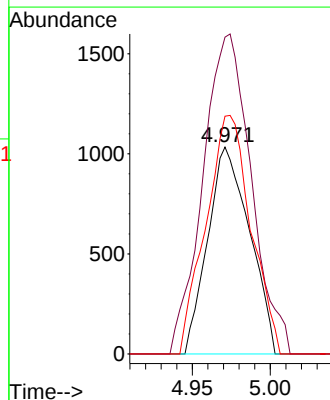
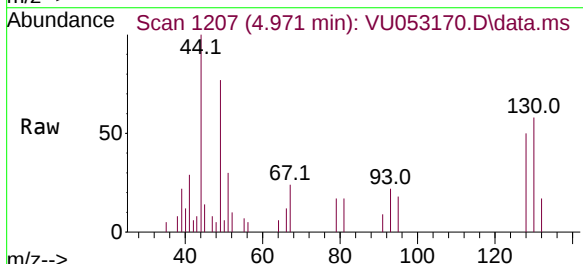
Tgt Ion:128 Resp: 1927

Ion Ratio Lower Upper

128 100

49 178.8 0.0 376.8

130 124.0 104.8 157.2





#27

Chloroform

Concen: 0.727 ug/l

RT: 5.090 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

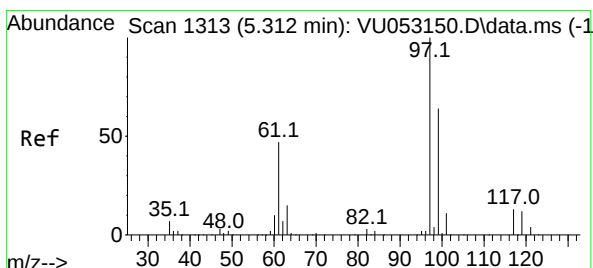
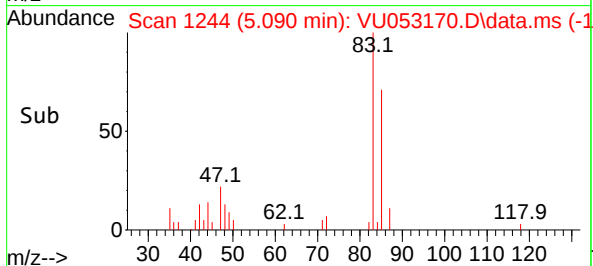
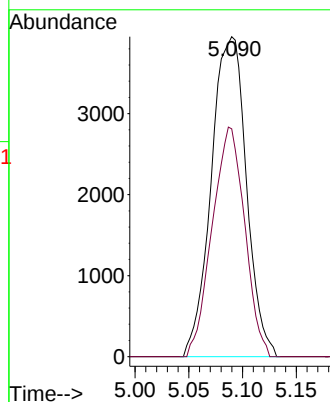
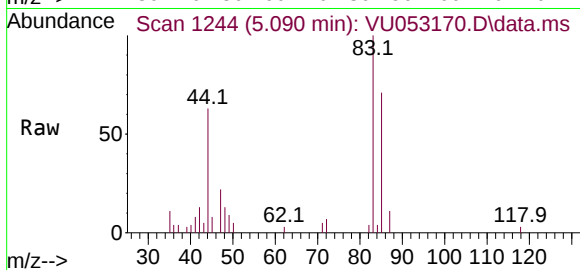
MDL-WATER-03-QT1-2023

Tgt Ion: 83 Resp: 8979

Ion Ratio Lower Upper

83 100

85 71.2 0.0 129.2



#28

1,1,1-Trichloroethane

Concen: 0.698 ug/l

RT: 5.312 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

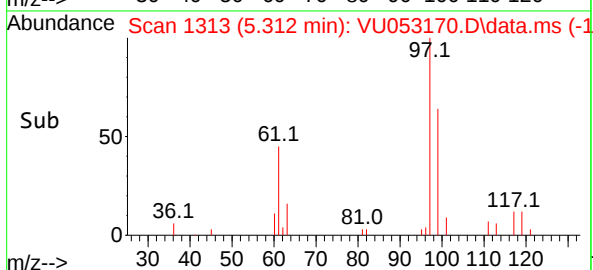
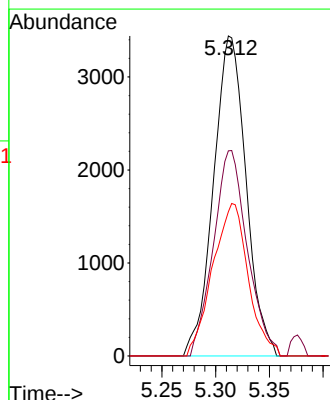
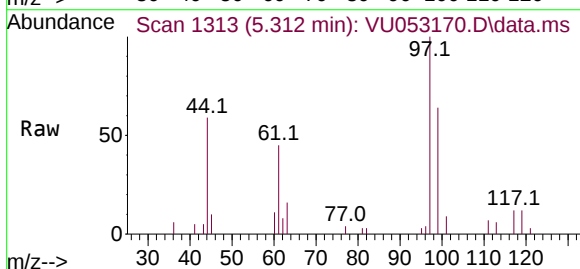
Tgt Ion: 97 Resp: 7235

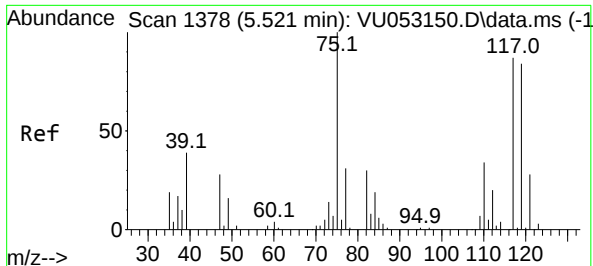
Ion Ratio Lower Upper

97 100

99 67.0 31.6 94.8

61 52.1 23.9 71.7





#29

1,1-Dichloropropene

Concen: 0.724 ug/l

RT: 5.524 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

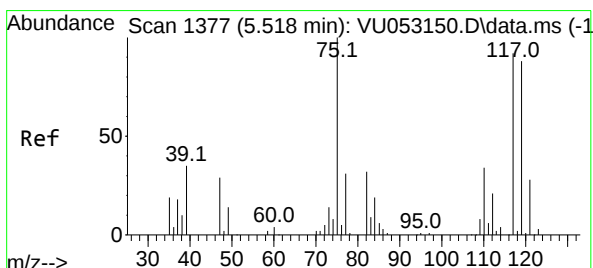
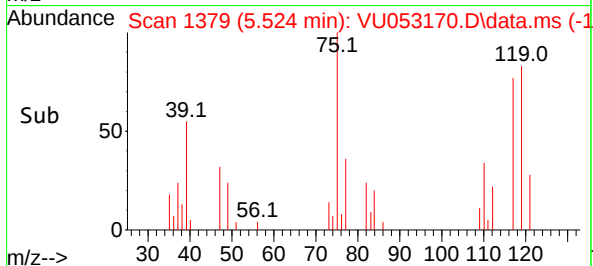
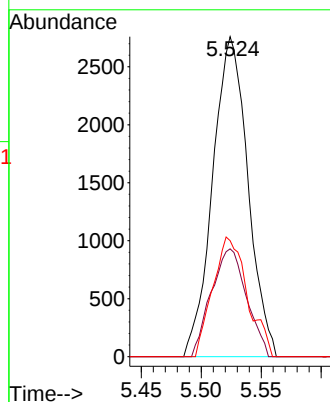
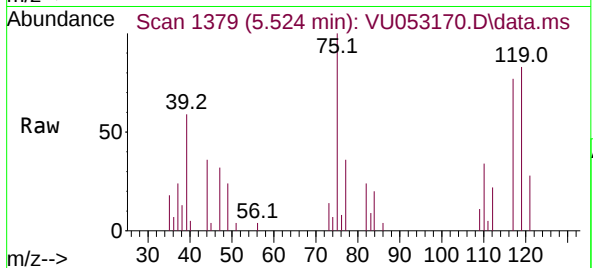
Tgt Ion: 75 Resp: 5625

Ion Ratio Lower Upper

75 100

110 33.8 16.3 48.8

77 36.6 24.9 37.3



#30

Carbon Tetrachloride

Concen: 0.673 ug/l

RT: 5.521 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

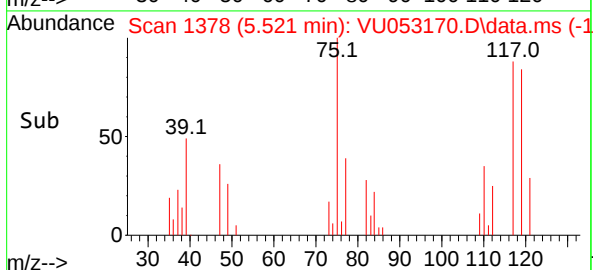
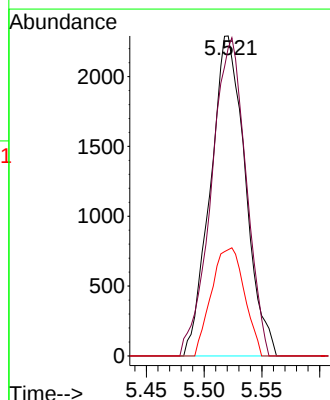
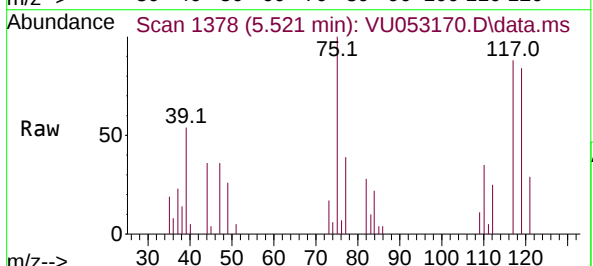
Tgt Ion: 117 Resp: 4804

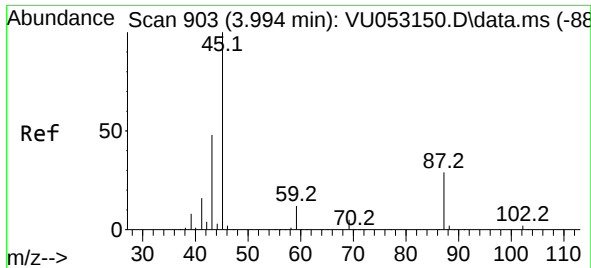
Ion Ratio Lower Upper

117 100

119 96.2 76.2 114.2

121 33.2 24.6 36.8

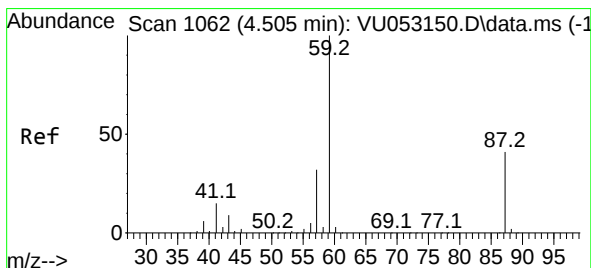
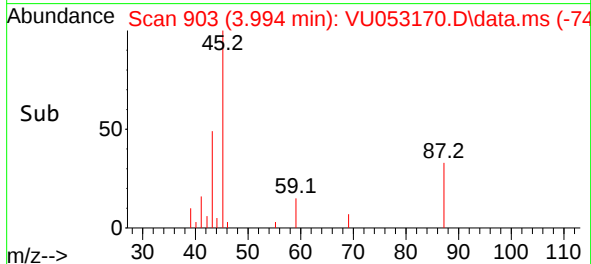
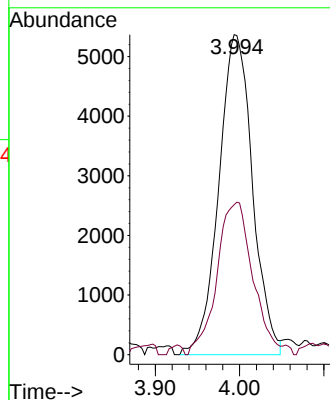
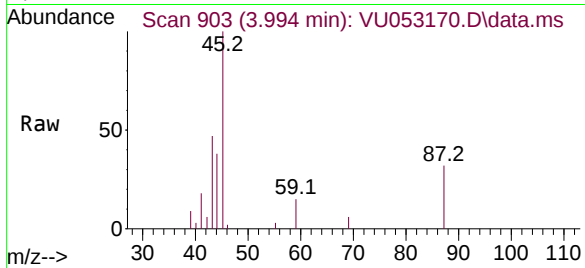




#31
Isopropyl Ether
Concen: 0.780 ug/l
RT: 3.994 min Scan# 903
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

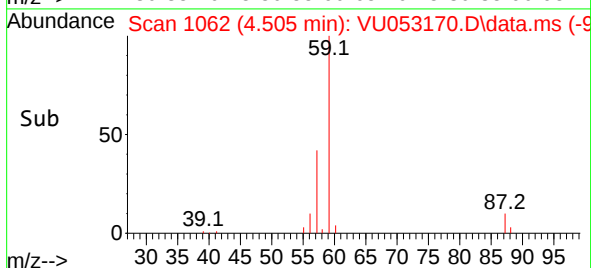
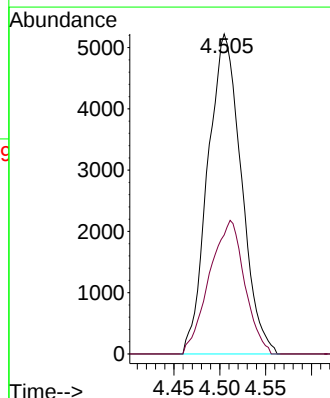
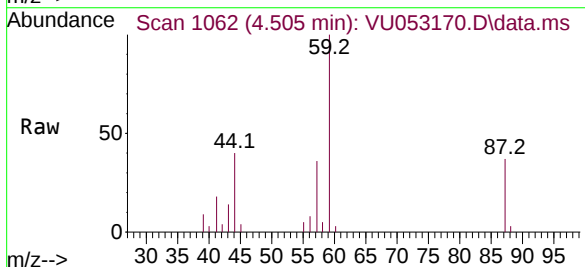
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

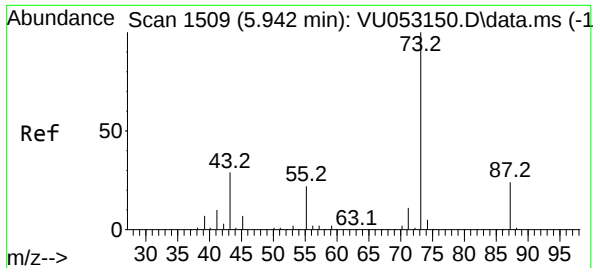
Tgt Ion: 45 Resp: 14912
Ion Ratio Lower Upper
45 100
43 51.1 24.4 73.2



#32
Ethyl-t-butyl ether
Concen: 0.731 ug/l
RT: 4.505 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 59 Resp: 13240
Ion Ratio Lower Upper
59 100
87 43.9 32.5 48.7

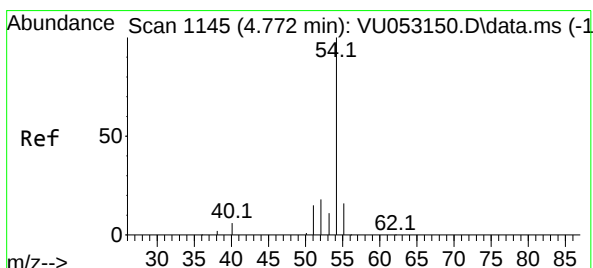
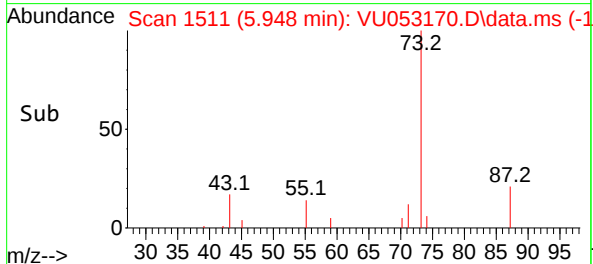
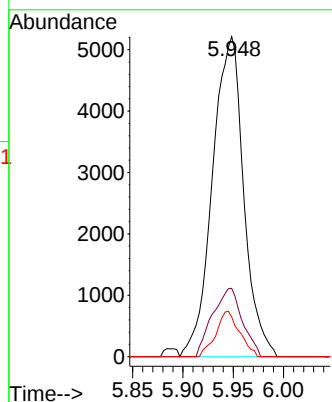
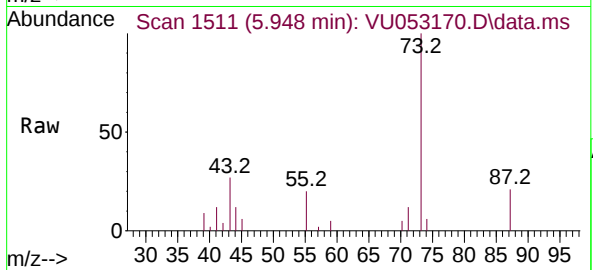




#33
Tert-Amyl methyl ether
Concen: 0.783 ug/l
RT: 5.948 min Scan# 1151
Delta R.T. 0.006 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

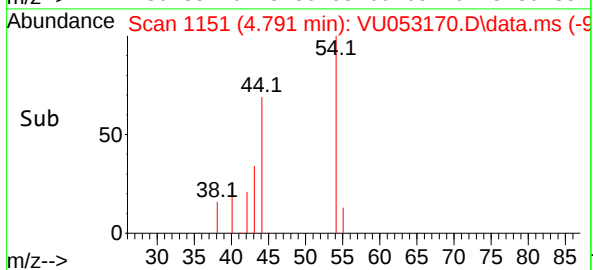
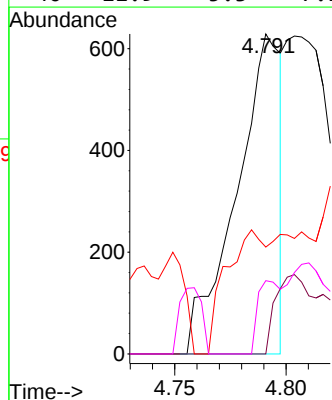
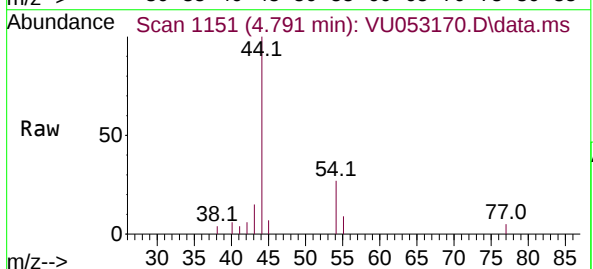
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

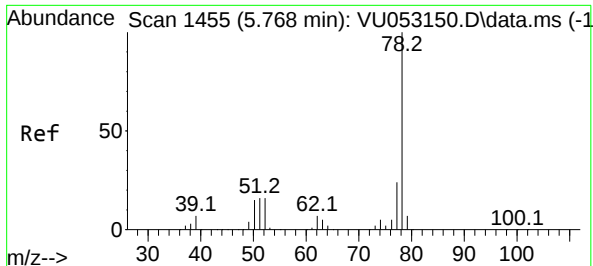
Tgt Ion: 73	Resp: 11262
Ion Ratio	Lower Upper
73	100
87	20.4 19.0 28.4
71	10.7 9.2 13.8



#34
Propionitrile
Concen: 1.702 ug/l
RT: 4.791 min Scan# 1151
Delta R.T. 0.019 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 54	Resp: 867
Ion Ratio	Lower Upper
54	100
52	0.0 16.5 24.7#
55	34.5 11.4 17.2#
40	11.9 5.3 7.9#





#35

Benzene

Concen: 0.780 ug/l

RT: 5.772 min Scan# 1456

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

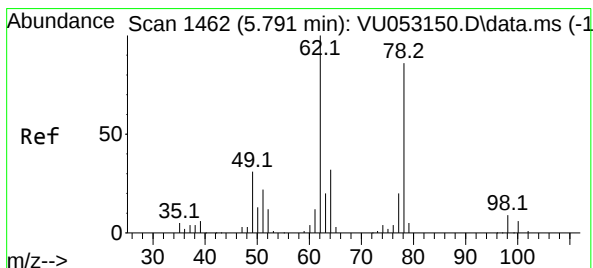
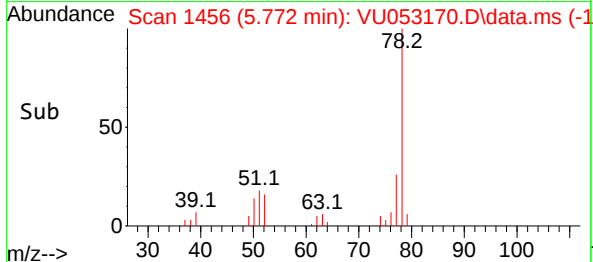
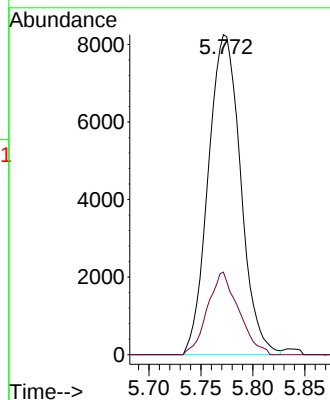
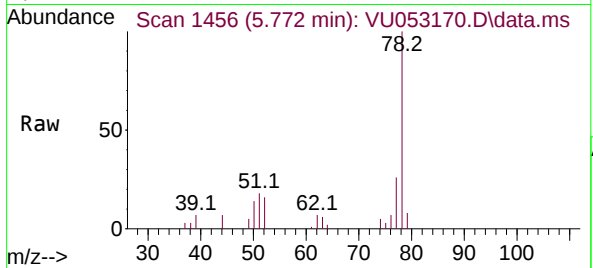
MDL-WATER-03-QT1-2023

Tgt Ion: 78 Resp: 17883

Ion Ratio Lower Upper

78 100

77 25.8 18.9 28.3



#36

1,2-Dichloroethane

Concen: 0.775 ug/l

RT: 5.794 min Scan# 1463

Delta R.T. 0.003 min

Lab File: VU053170.D

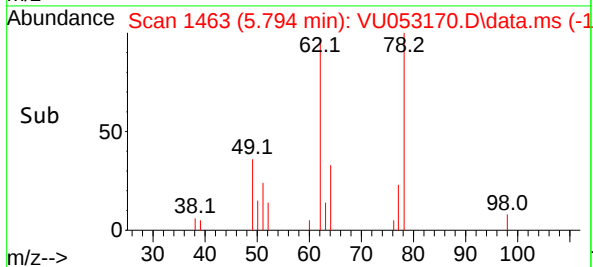
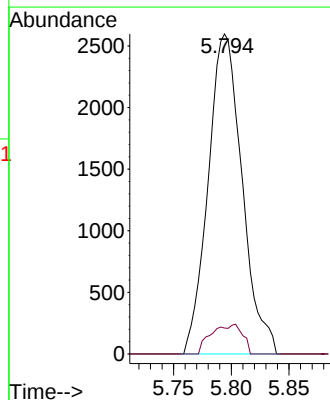
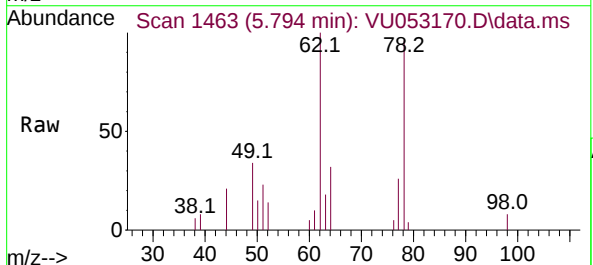
Acq: 28 Feb 2023 13:50

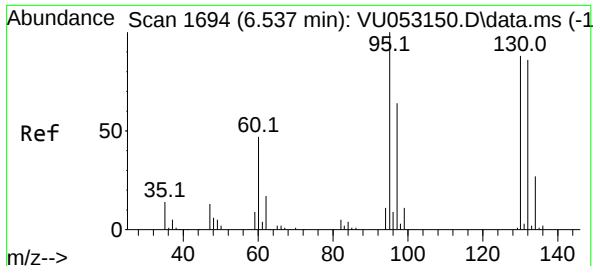
Tgt Ion: 62 Resp: 5310

Ion Ratio Lower Upper

62 100

98 8.5 7.0 10.4





#37

Trichloroethene

Concen: 0.775 ug/l

RT: 6.540 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

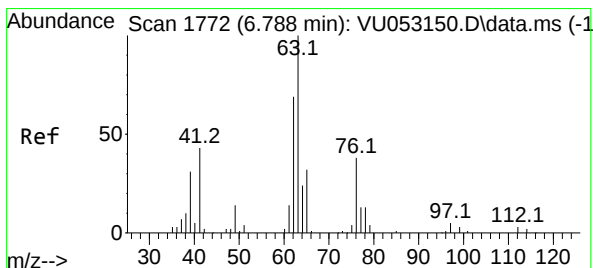
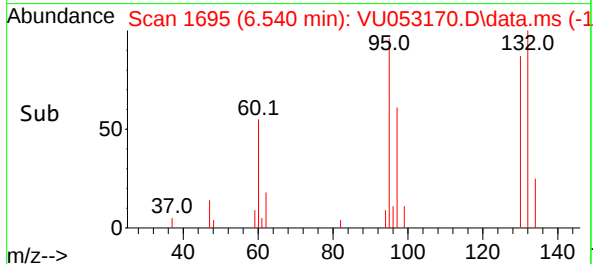
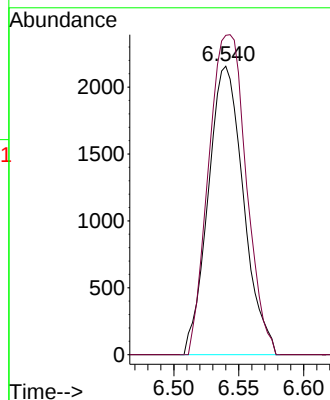
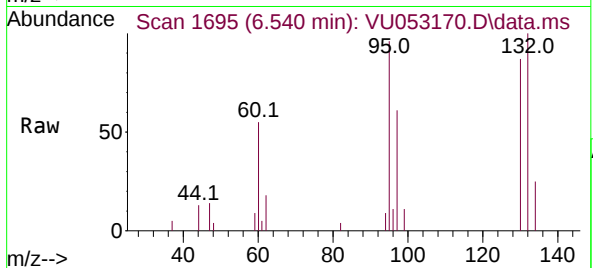
MDL-WATER-03-QT1-2023

Tgt Ion:130 Resp: 4080

Ion Ratio Lower Upper

130 100

95 110.7 91.1 136.7



#38

1,2-Dichloropropane

Concen: 0.791 ug/l

RT: 6.788 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VU053170.D

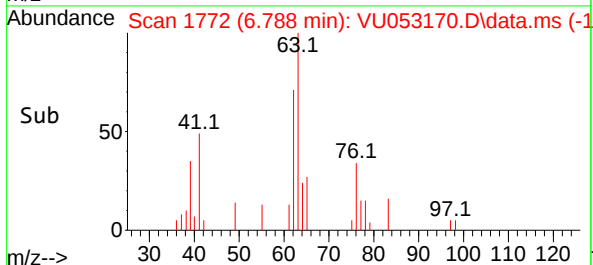
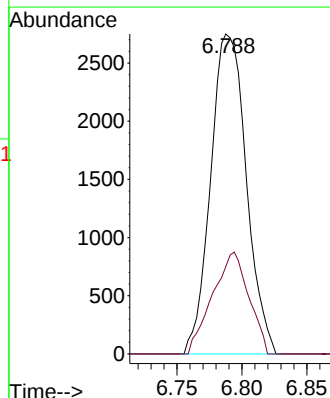
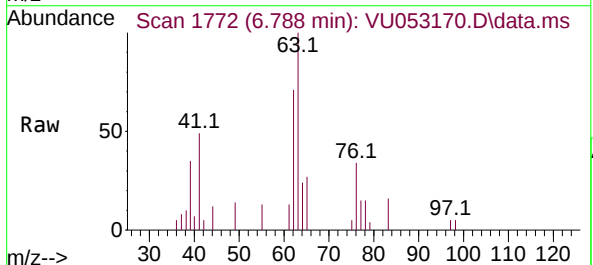
Acq: 28 Feb 2023 13:50

Tgt Ion: 63 Resp: 5247

Ion Ratio Lower Upper

63 100

65 27.3 25.5 38.3





#39

Methacrylonitrile

Concen: 0.797 ug/l

RT: 4.977 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 41 Resp: 1731

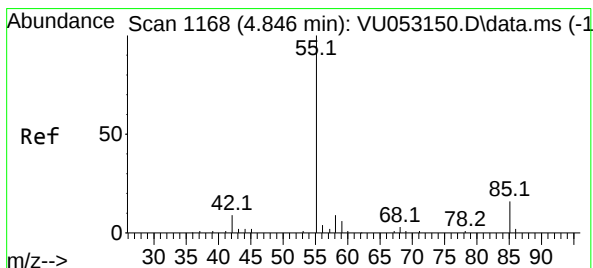
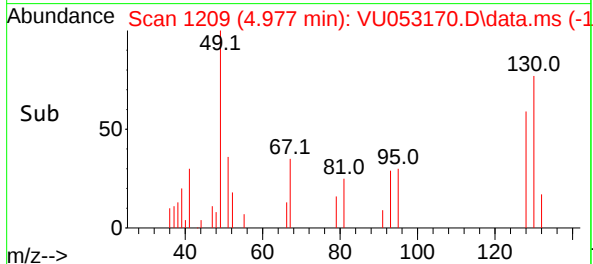
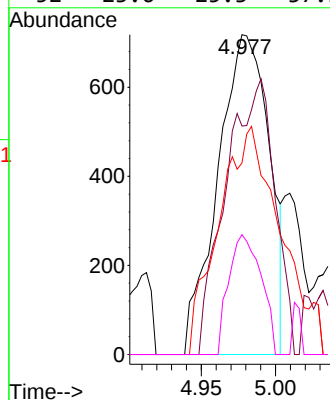
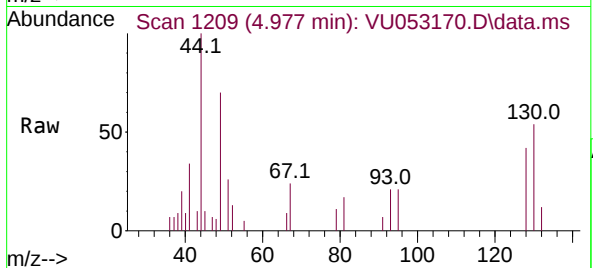
Ion Ratio Lower Upper

41 100

67 34.7 67.1 100.7#

39 85.7 42.6 64.0#

52 23.6 25.3 37.9#



#40

Methyl acrylate

Concen: 0.776 ug/l

RT: 4.852 min Scan# 1170

Delta R.T. 0.006 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Tgt Ion: 55 Resp: 2607

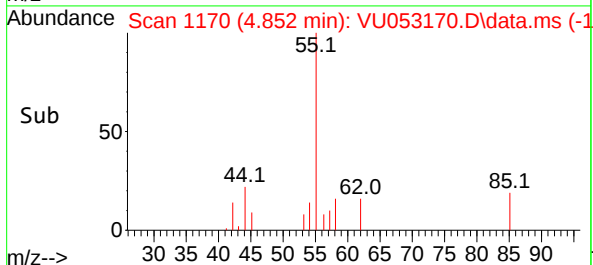
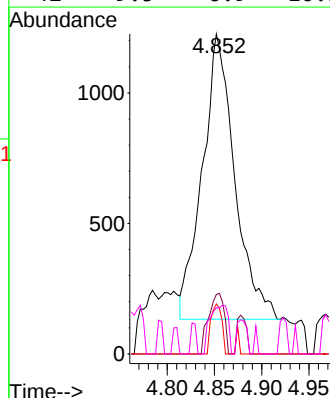
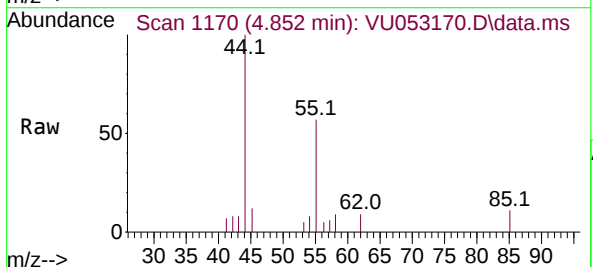
Ion Ratio Lower Upper

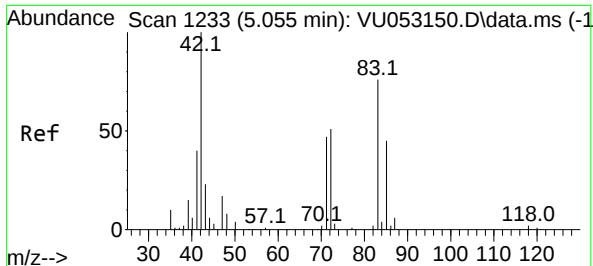
55 100

85 10.2 13.5 20.3#

58 5.8 7.3 10.9#

42 9.5 6.9 10.3





#41

Tetrahydrofuran

Concen: 1.612 ug/l

RT: 5.083 min Scan# 1

Delta R.T. 0.029 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

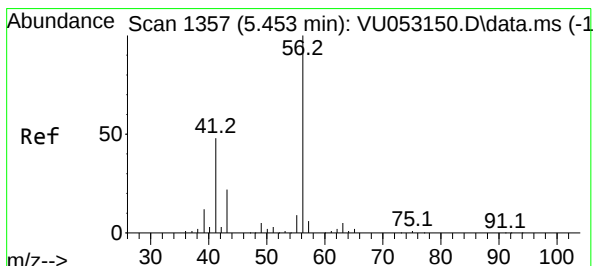
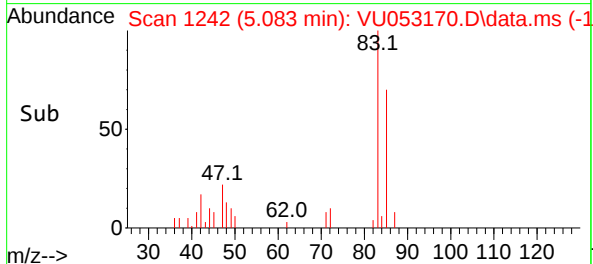
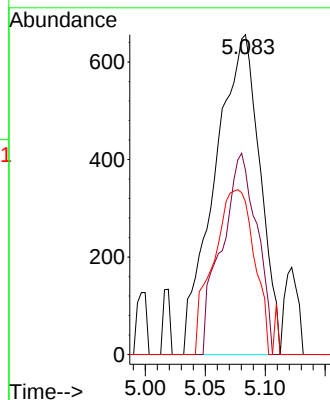
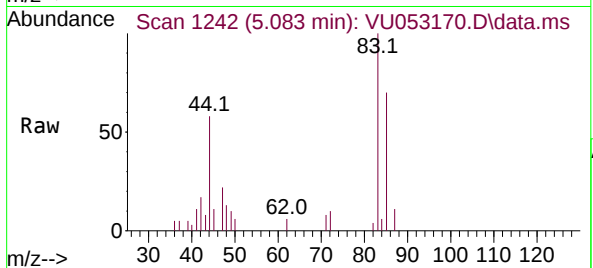
Tgt Ion: 42 Resp: 1717

Ion Ratio Lower Upper

42 100

72 49.2 41.6 62.4

71 46.7 37.9 56.9



#42

1-Chlorobutane

Concen: 0.731 ug/l

RT: 5.453 min Scan# 1357

Delta R.T. 0.000 min

Lab File: VU053170.D

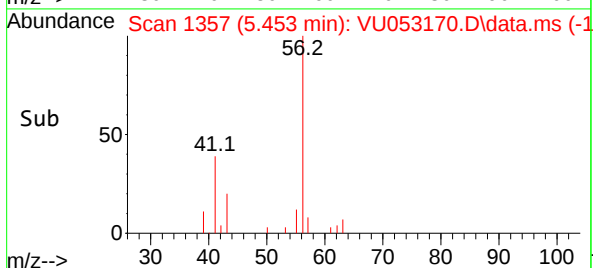
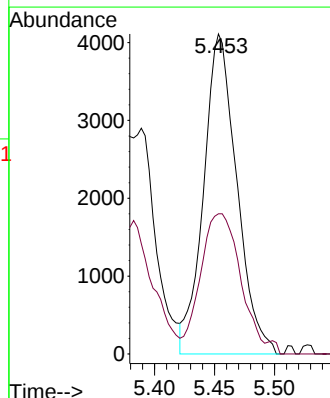
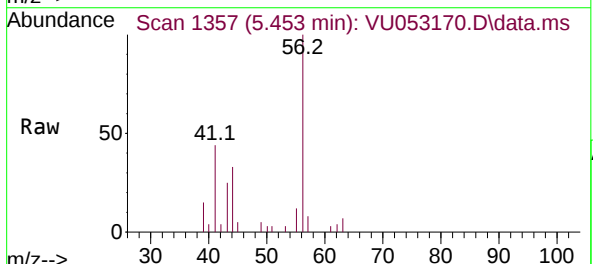
Acq: 28 Feb 2023 13:50

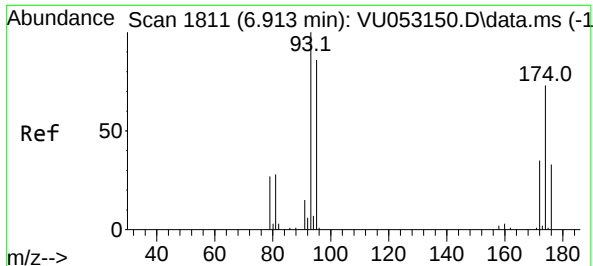
Tgt Ion: 56 Resp: 7911

Ion Ratio Lower Upper

56 100

41 53.8 23.7 71.1





#43

Dibromomethane

Concen: 0.776 ug/l

RT: 6.916 min Scan# 1811

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

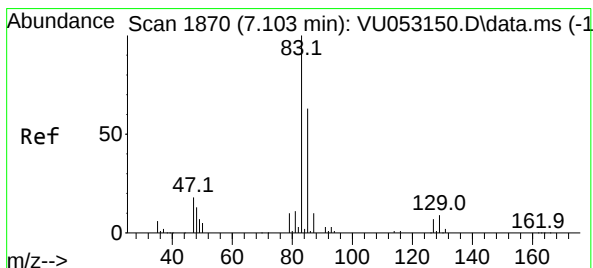
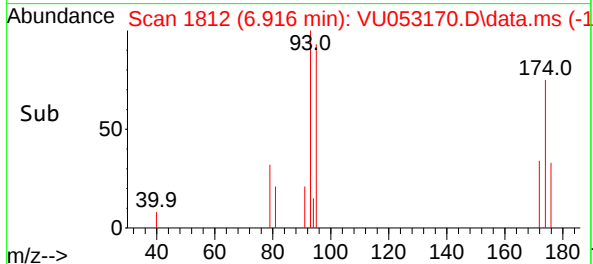
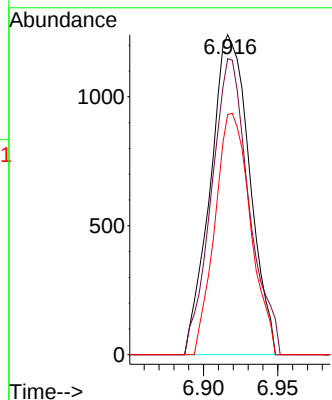
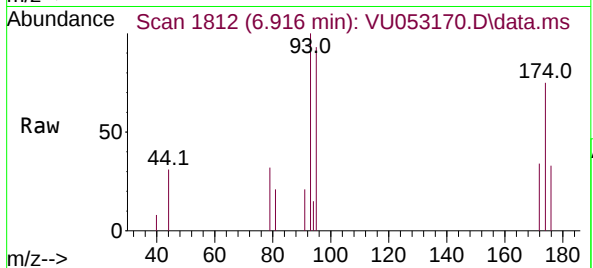
Tgt Ion: 93 Resp: 2281

Ion Ratio Lower Upper

93 100

95 89.1 66.5 99.7

174 68.3 58.2 87.4



#44

Bromodichloromethane

Concen: 0.751 ug/l

RT: 7.106 min Scan# 1871

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

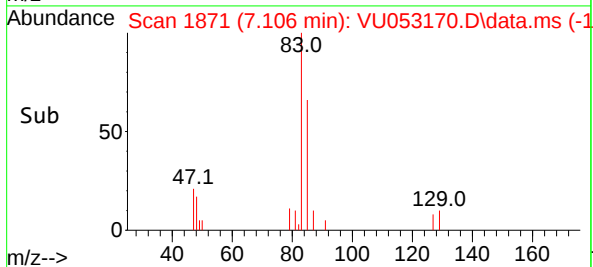
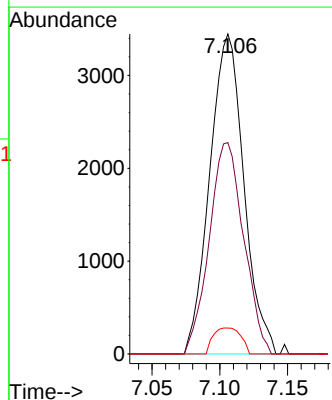
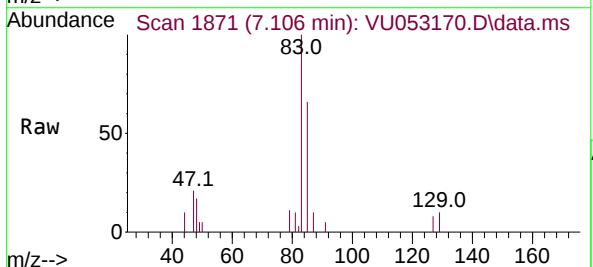
Tgt Ion: 83 Resp: 6036

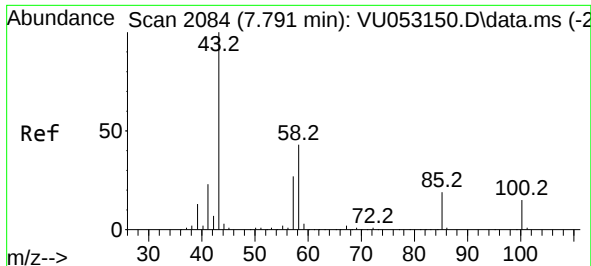
Ion Ratio Lower Upper

83 100

85 66.1 50.6 75.8

127 8.1 5.8 8.8





#45

4-Methyl-2-Pentanone

Concen: 4.052 ug/l

RT: 7.797 min Scan# 2086

Delta R.T. 0.006 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

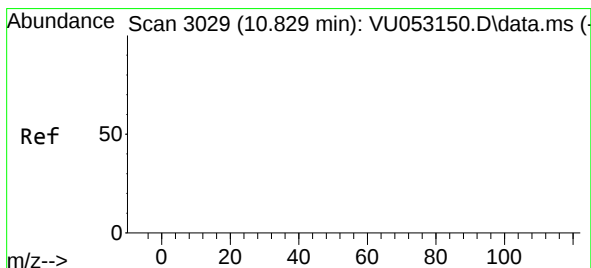
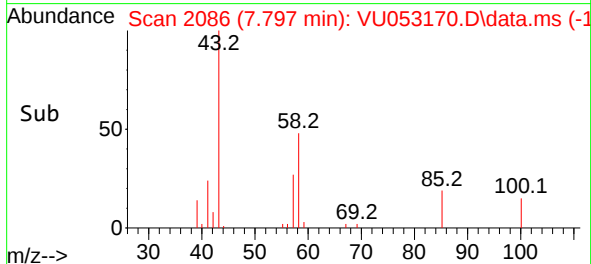
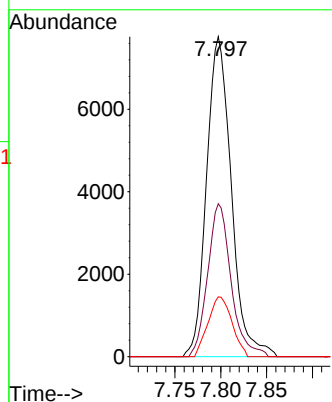
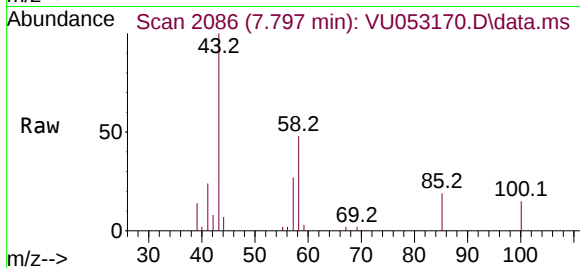
Tgt Ion: 43 Resp: 14543

Ion Ratio Lower Upper

43 100

58 45.4 22.0 66.0

85 18.1 15.7 23.5



#46

t-1,4-Dichloro-2-butene

Concen: 3.256 ug/l

RT: 10.820 min Scan# 3026

Delta R.T. -0.010 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Tgt Ion: 75 Resp: 5889

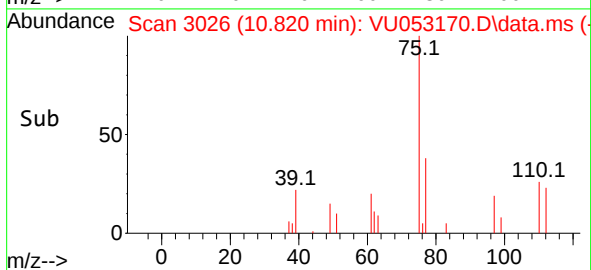
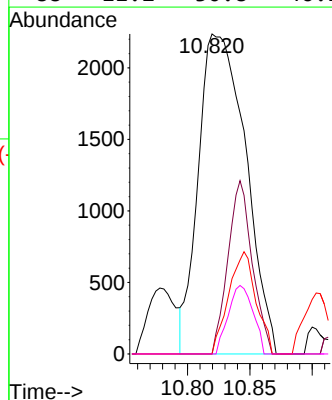
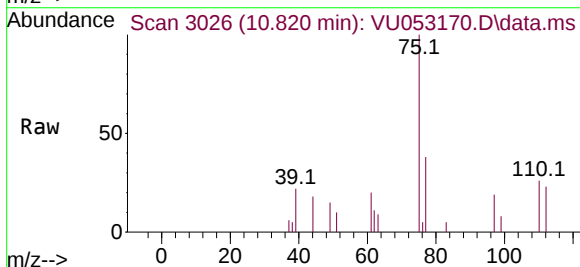
Ion Ratio Lower Upper

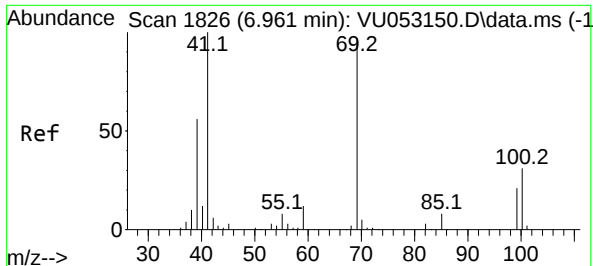
75 100

53 27.9 57.0 85.4#

89 18.5 43.1 64.7#

88 11.2 30.8 46.2#





#47

Methyl methacrylate

Concen: 1.508 ug/l

RT: 6.964 min Scan# 1826

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 69 Resp: 4562

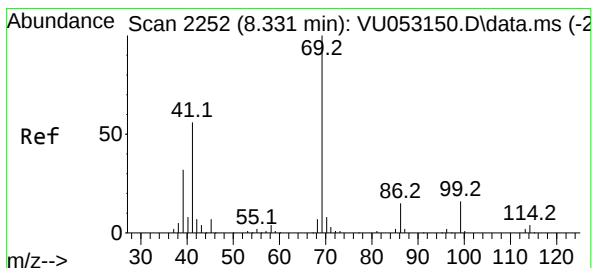
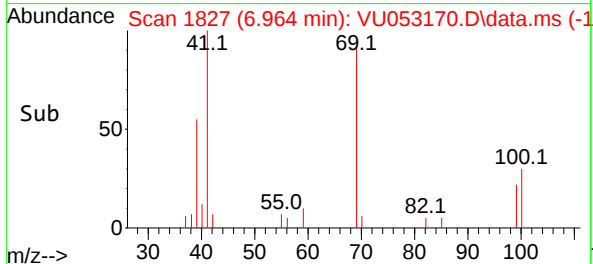
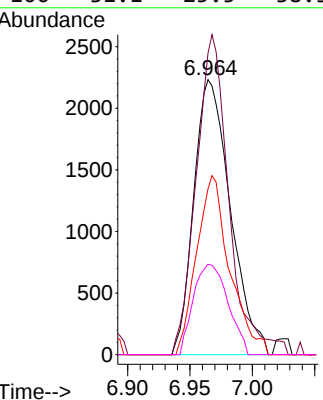
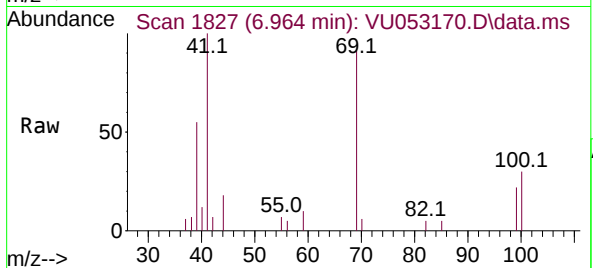
Ion Ratio Lower Upper

69 100

41 104.1 0.0 201.0

39 59.0 47.1 70.7

100 31.1 25.5 38.3



#48

Ethyl methacrylate

Concen: 0.784 ug/l

RT: 8.334 min Scan# 2253

Delta R.T. 0.003 min

Lab File: VU053170.D

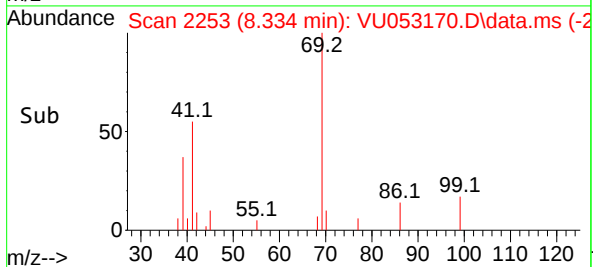
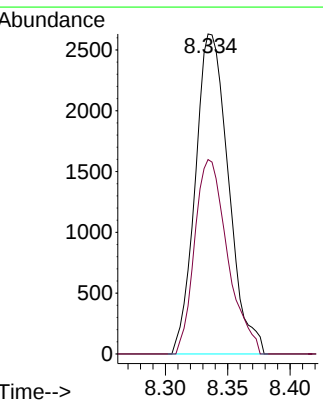
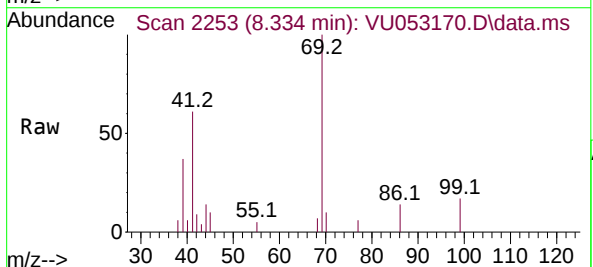
Acq: 28 Feb 2023 13:50

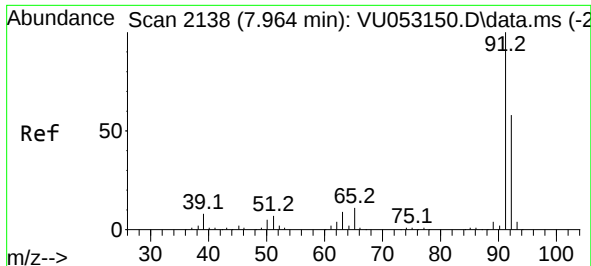
Tgt Ion: 69 Resp: 4870

Ion Ratio Lower Upper

69 100

41 60.2 28.2 84.6





#49

Toluene

Concen: 0.787 ug/l

RT: 7.968 min Scan# 2139

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

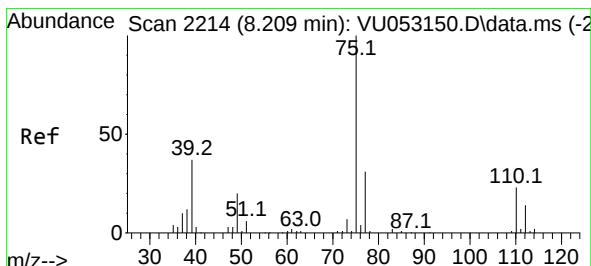
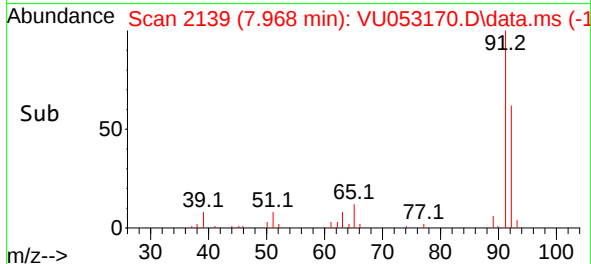
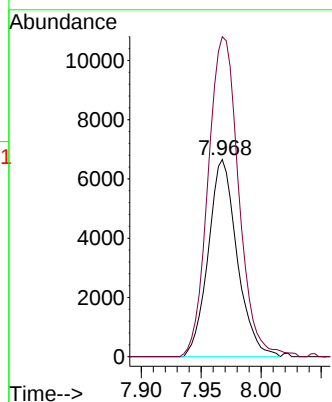
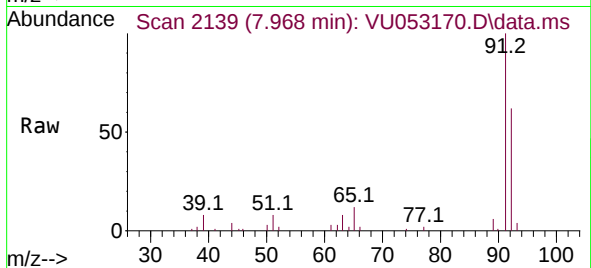
MDL-WATER-03-QT1-2023

Tgt Ion: 92 Resp: 11120

Ion Ratio Lower Upper

92 100

91 172.5 138.2 207.2



#50

t-1,3-Dichloropropene

Concen: 0.694 ug/l

RT: 8.209 min Scan# 2214

Delta R.T. 0.000 min

Lab File: VU053170.D

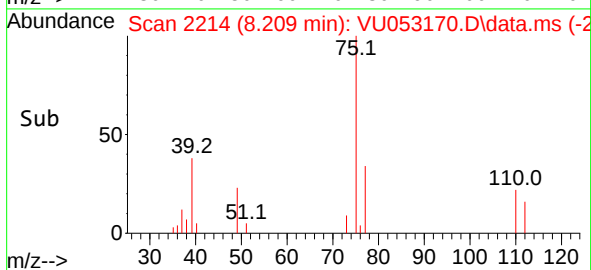
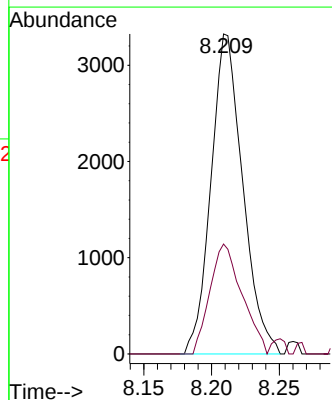
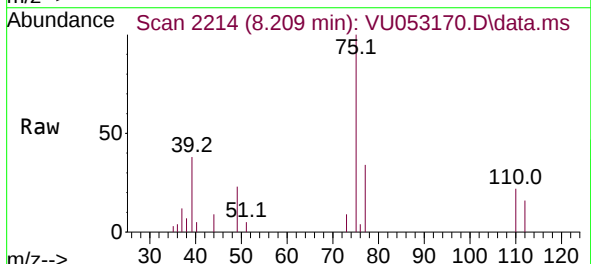
Acq: 28 Feb 2023 13:50

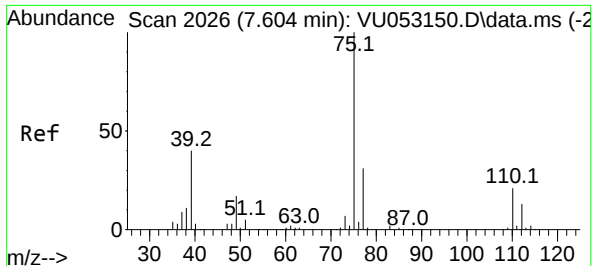
Tgt Ion: 75 Resp: 5419

Ion Ratio Lower Upper

75 100

77 34.3 25.1 37.7





#51

cis-1,3-Dichloropropene

Concen: 0.748 ug/l

RT: 7.607 min Scan# 2026

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

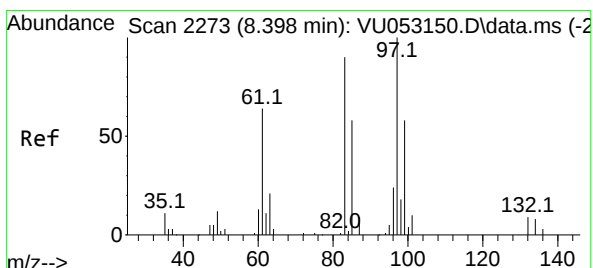
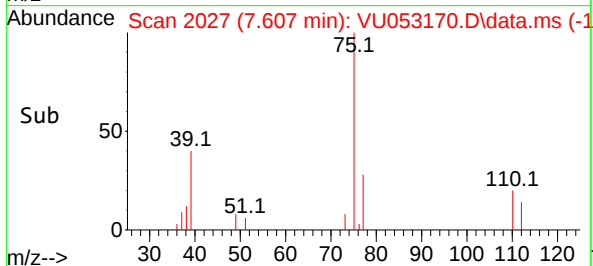
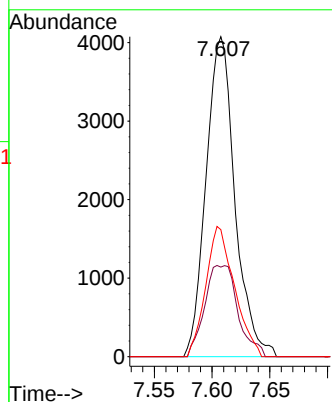
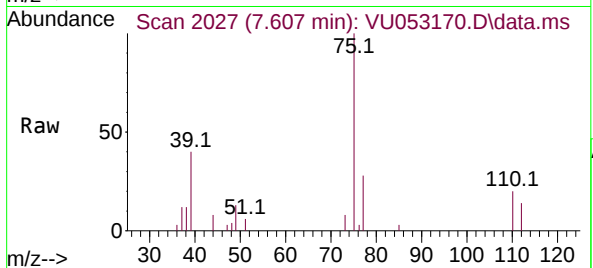
Tgt Ion: 75 Resp: 7082

Ion Ratio Lower Upper

75 100

77 28.0 24.9 37.3

39 39.7 32.2 48.2



#52

1,1,2-Trichloroethane

Concen: 0.841 ug/l

RT: 8.402 min Scan# 2274

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Tgt Ion: 97 Resp: 3630

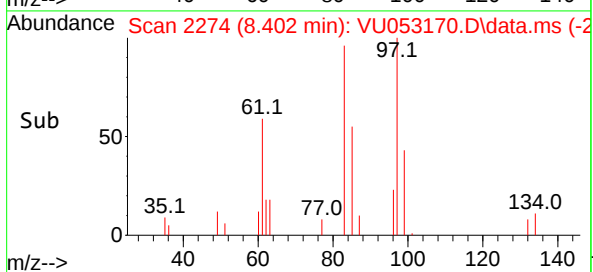
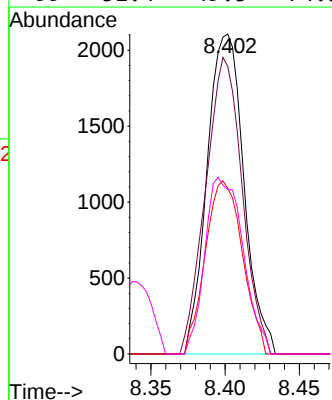
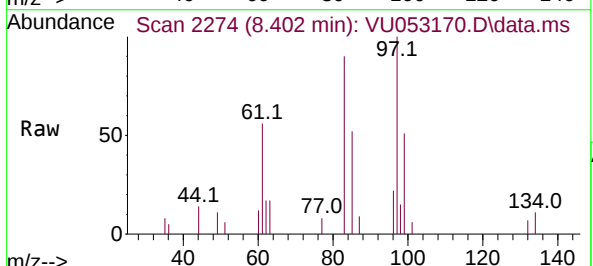
Ion Ratio Lower Upper

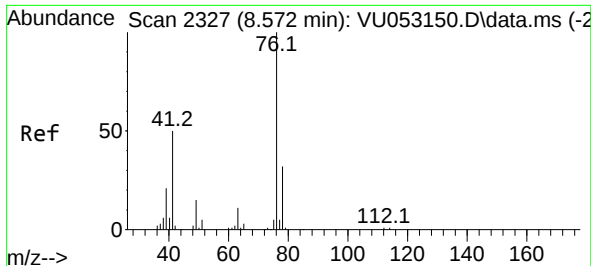
97 100

83 89.9 71.9 107.9

85 51.8 46.5 69.7

99 51.4 49.5 74.3





#53

1,3-Dichloropropane

Concen: 0.784 ug/l

RT: 8.575 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

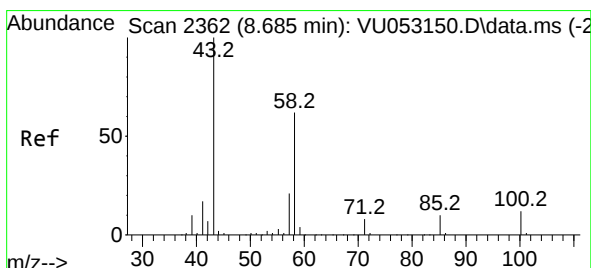
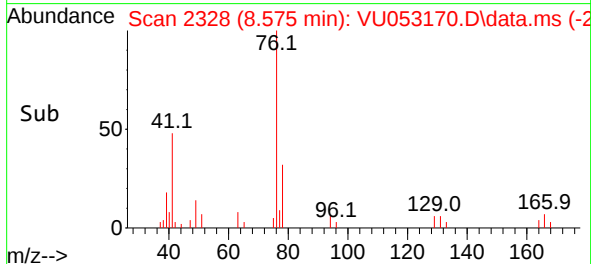
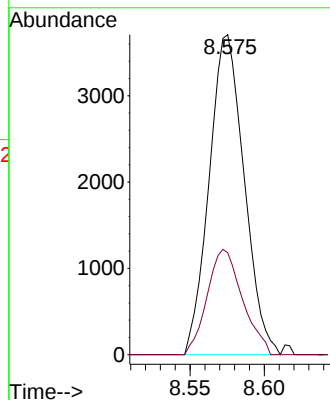
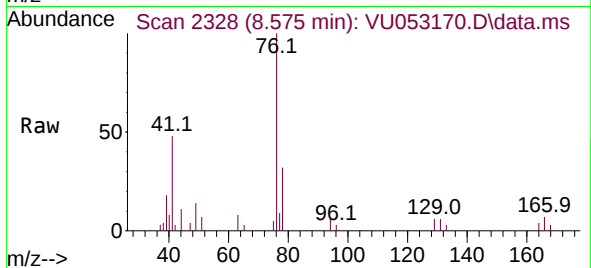
MDL-WATER-03-QT1-2023

Tgt Ion: 76 Resp: 6073

Ion Ratio Lower Upper

76 100

78 33.2 25.9 38.9



#54

2-Hexanone

Concen: 3.211 ug/l

RT: 8.691 min Scan# 2364

Delta R.T. 0.006 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

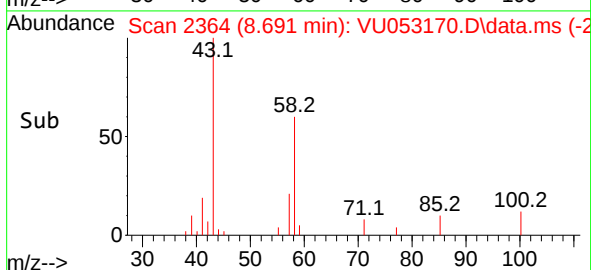
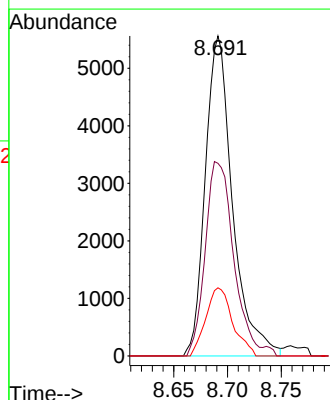
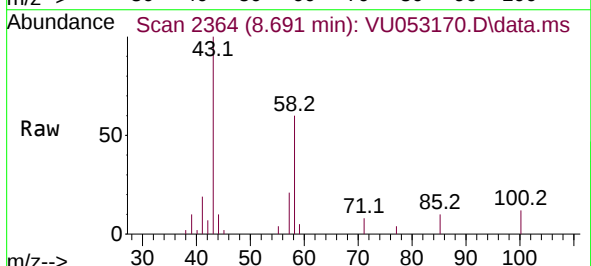
Tgt Ion: 43 Resp: 9819

Ion Ratio Lower Upper

43 100

58 63.9 42.0 82.0

57 21.0 1.2 41.2

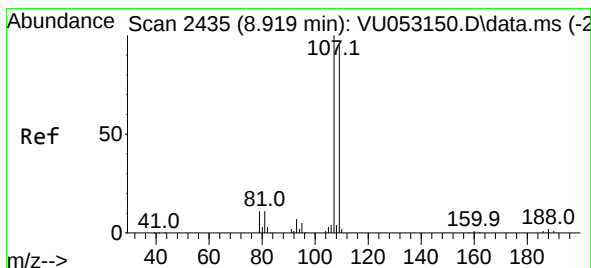
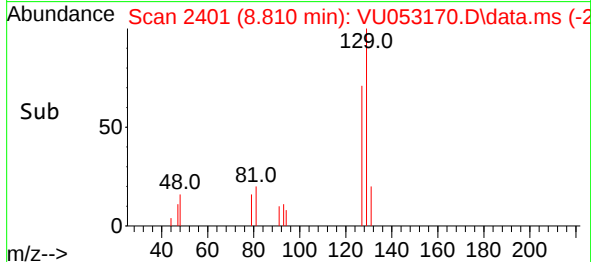
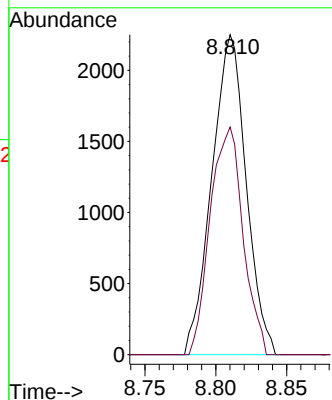
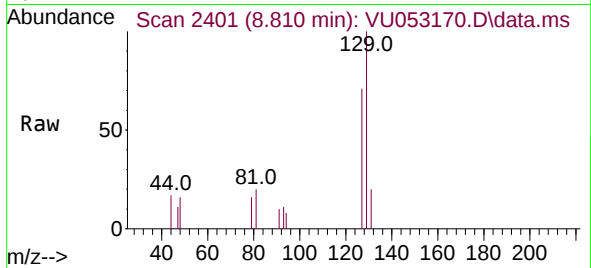




#55
Dibromochloromethane
Concen: 0.770 ug/l
RT: 8.810 min Scan# 2401
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

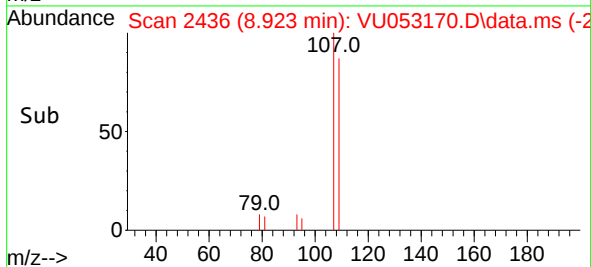
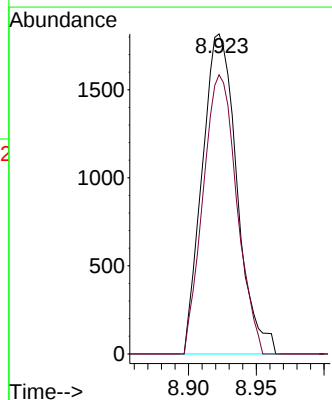
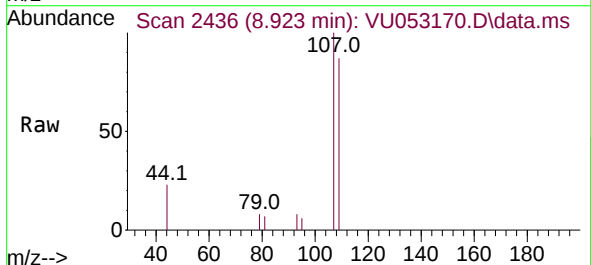
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

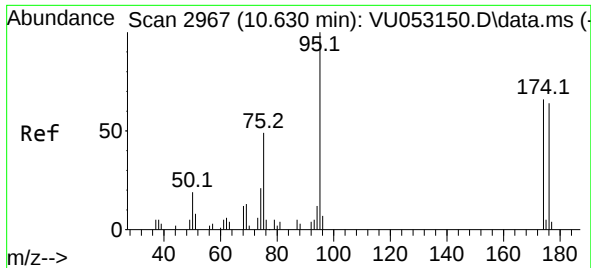
Tgt Ion:129 Resp: 3793
Ion Ratio Lower Upper
129 100
127 67.9 61.1 91.7



#56
1,2-Dibromoethane
Concen: 0.844 ug/l
RT: 8.923 min Scan# 2436
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion:107 Resp: 3237
Ion Ratio Lower Upper
107 100
109 84.6 0.0 186.2

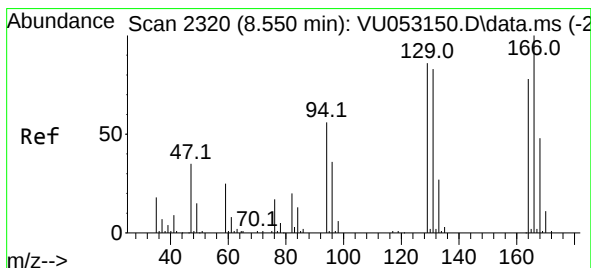
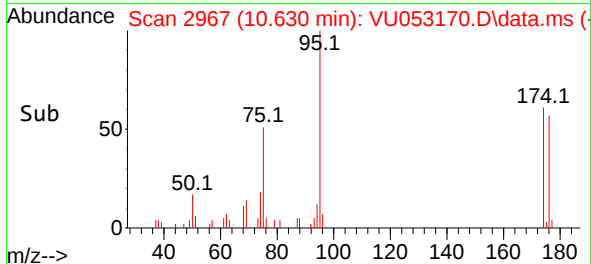
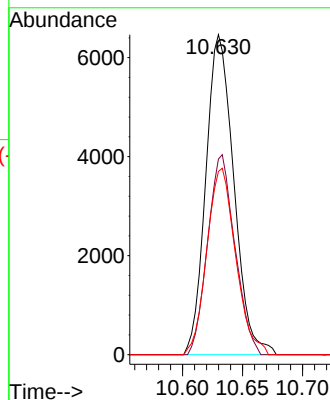
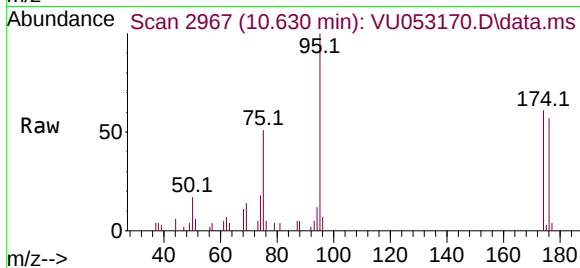




#57
4-Bromofluorobenzene
Concen: 1.088 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

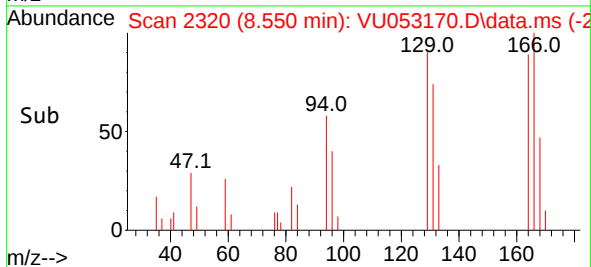
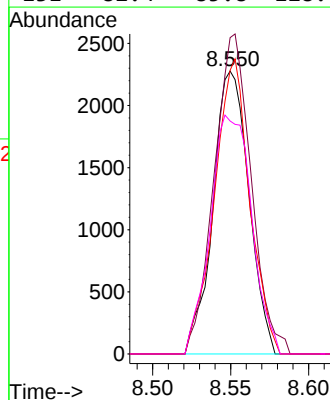
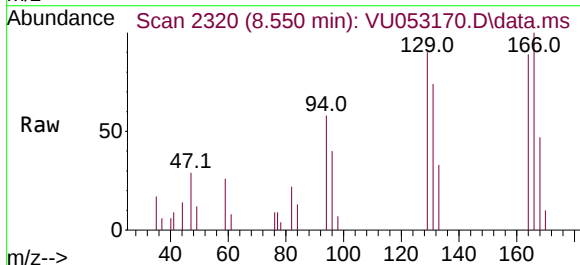
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

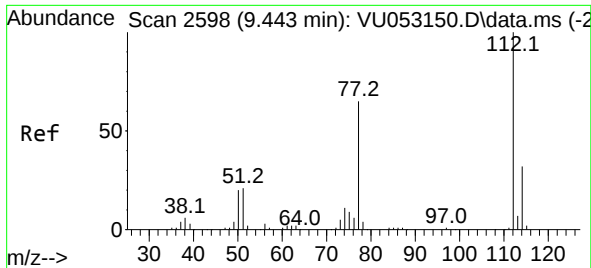
Tgt Ion: 95 Resp: 10508
Ion Ratio Lower Upper
95 100
174 60.6 50.7 76.1
176 59.8 47.8 71.6



#58
Tetrachloroethene
Concen: 0.869 ug/l
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 164 Resp: 3646
Ion Ratio Lower Upper
164 100
166 111.8 103.2 154.8
129 100.3 88.8 133.2
131 82.4 85.8 128.6#

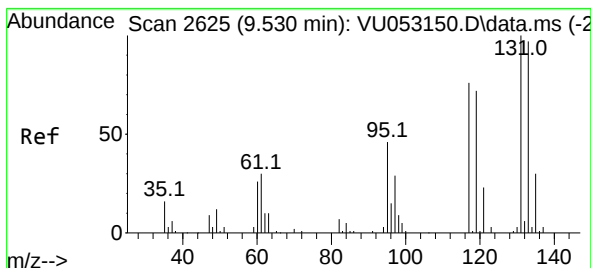
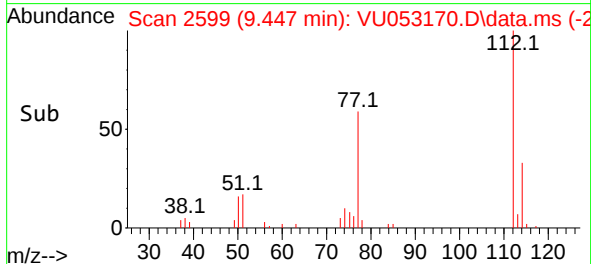
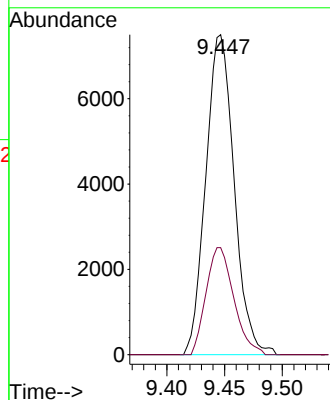
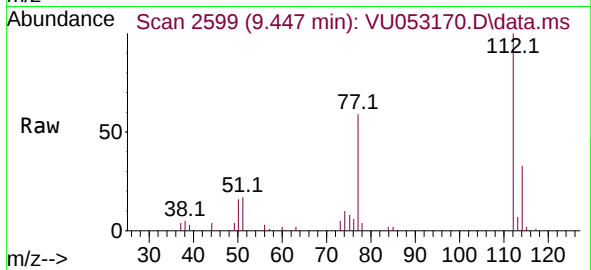




#59
Chlorobenzene
Concen: 0.811 ug/l
RT: 9.447 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

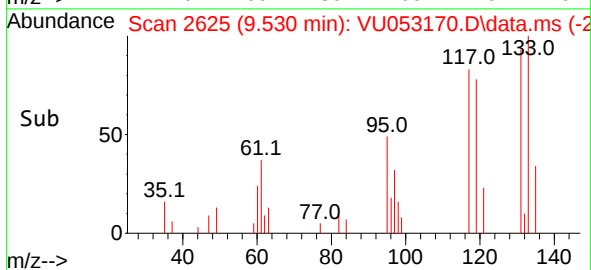
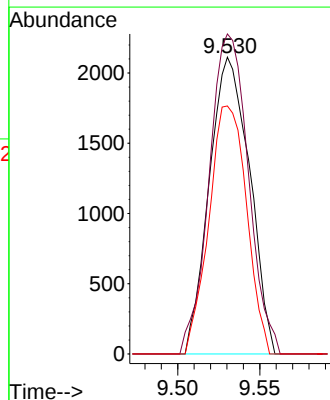
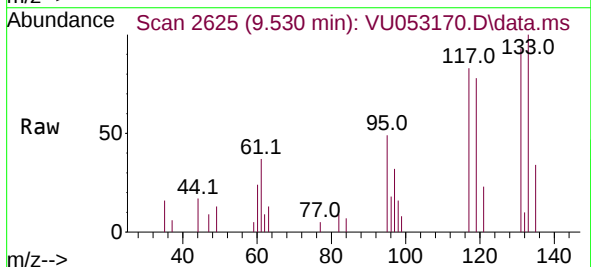
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT1-2023

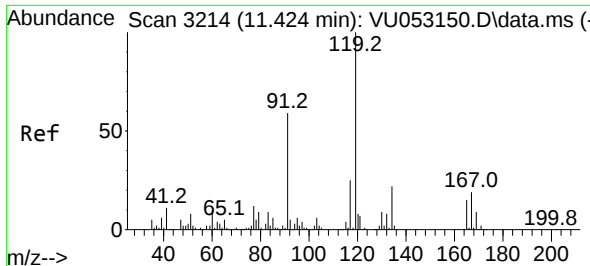
Tgt Ion:112 Resp: 12812
Ion Ratio Lower Upper
112 100
114 33.4 25.8 38.6



#60
1,1,1,2-Tetrachloroethane
Concen: 0.690 ug/l
RT: 9.530 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion:131 Resp: 3600
Ion Ratio Lower Upper
131 100
133 104.9 76.7 115.1
119 78.1 57.6 86.4

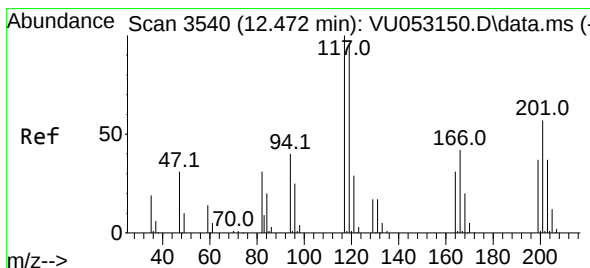
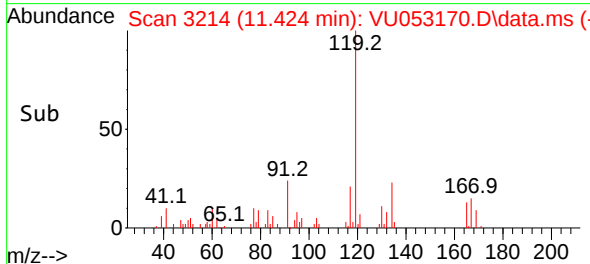
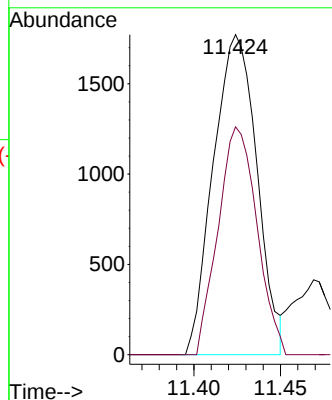
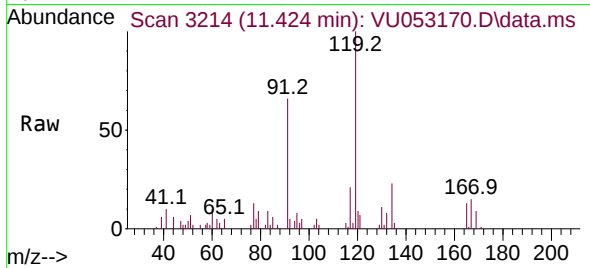




#61
 Pentachloroethane
 Concen: 0.684 ug/l
 RT: 11.424 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053170.D
 Acq: 28 Feb 2023 13:50

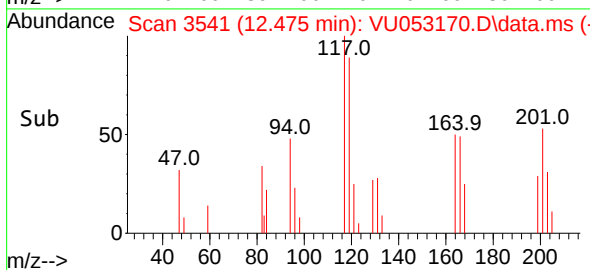
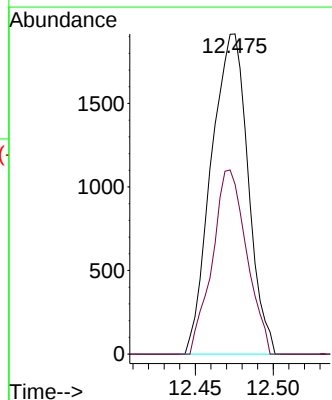
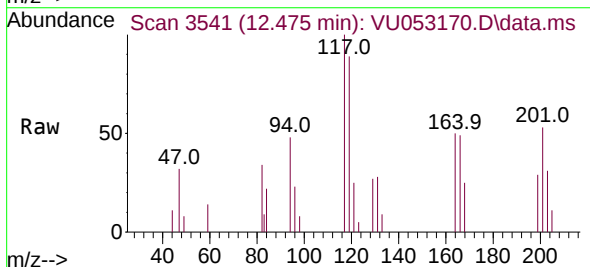
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2023

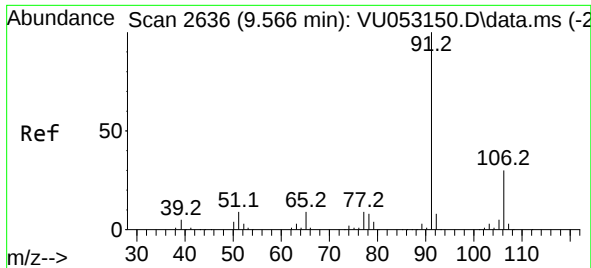
Tgt Ion:117 Resp: 3100
 Ion Ratio Lower Upper
 117 100
 167 63.3 57.5 86.3



#62
 Hexachloroethane
 Concen: 0.629 ug/l
 RT: 12.475 min Scan# 3541
 Delta R.T. 0.003 min
 Lab File: VU053170.D
 Acq: 28 Feb 2023 13:50

Tgt Ion:117 Resp: 3144
 Ion Ratio Lower Upper
 117 100
 201 53.6 46.7 70.1

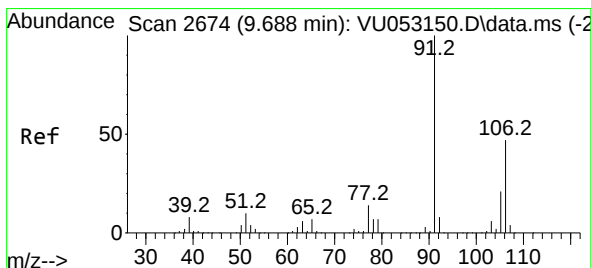
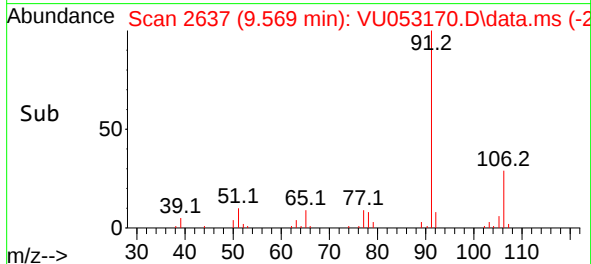
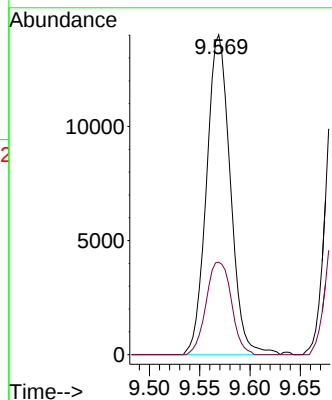
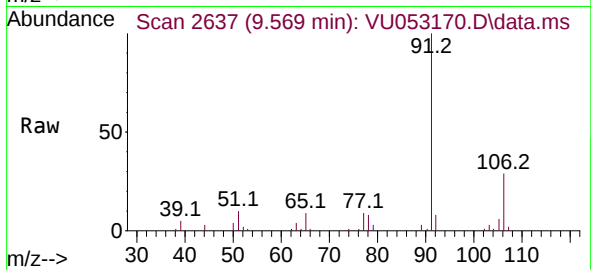




#63
Ethyl Benzene
Concen: 0.791 ug/l
RT: 9.569 min Scan# 2636
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

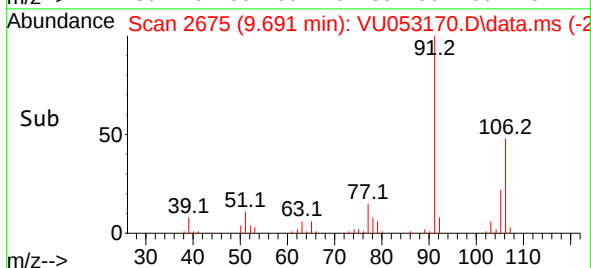
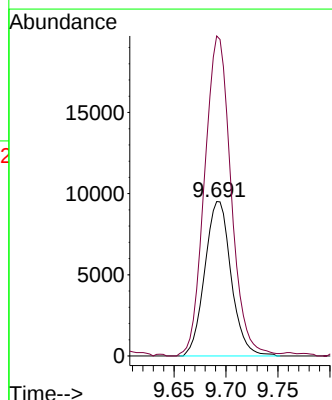
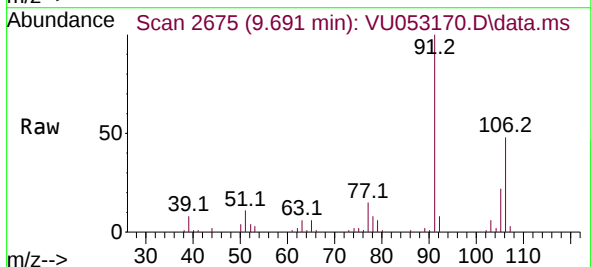
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

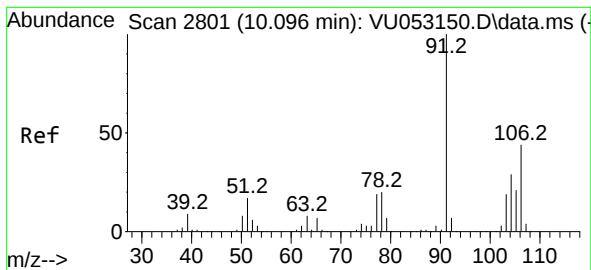
Tgt Ion: 91 Resp: 23059
Ion Ratio Lower Upper
91 100
106 28.9 24.0 36.0



#64
m/p-Xylenes
Concen: 1.584 ug/l
RT: 9.691 min Scan# 2675
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion:106 Resp: 16746
Ion Ratio Lower Upper
106 100
91 208.7 170.7 256.1





#65

o-Xylene

Concen: 0.746 ug/l

RT: 10.099 min Scan# 2801

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

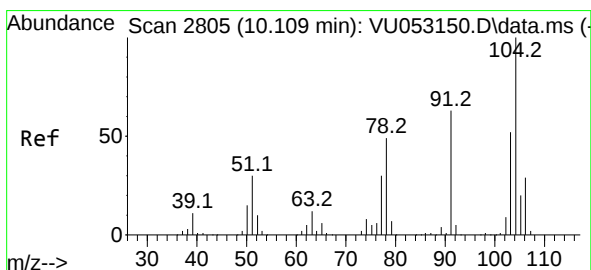
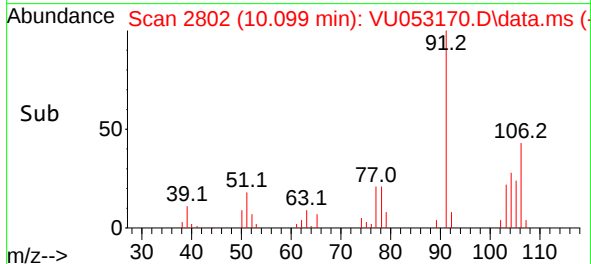
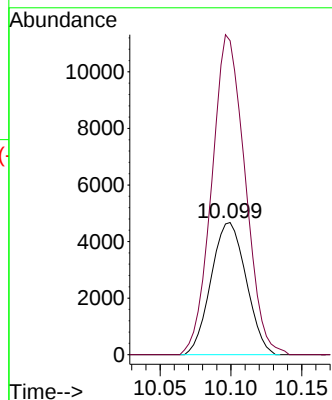
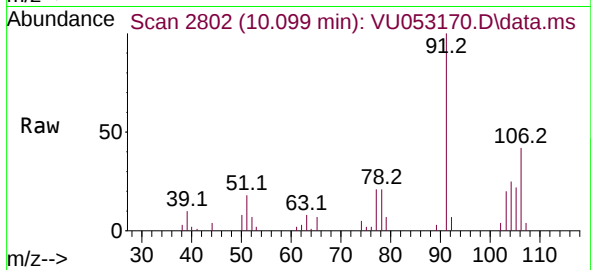
MDL-WATER-03-QT1-2023

Tgt Ion:106 Resp: 8059

Ion Ratio Lower Upper

106 100

91 229.8 112.8 338.4



#66

Styrene

Concen: 0.737 ug/l

RT: 10.112 min Scan# 2806

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

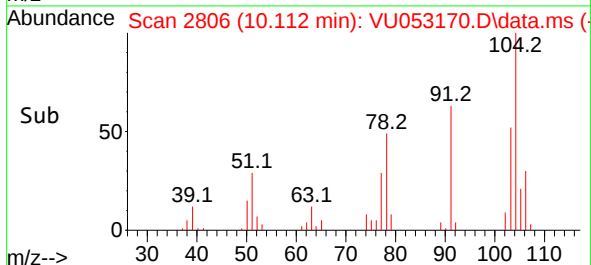
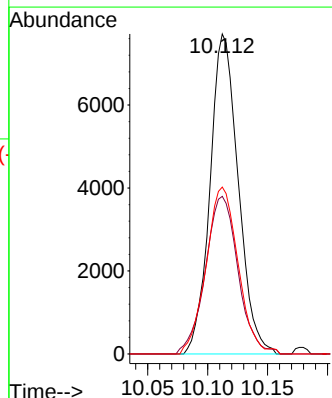
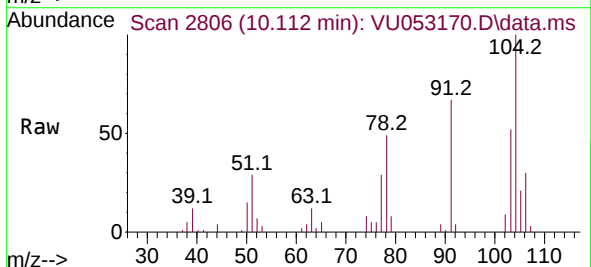
Tgt Ion:104 Resp: 12621

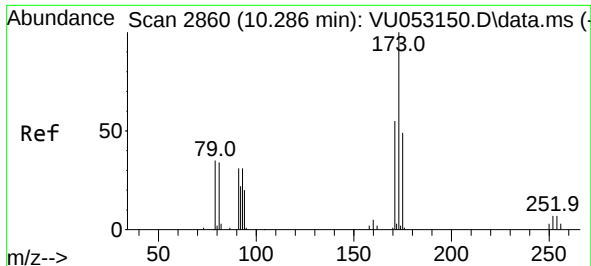
Ion Ratio Lower Upper

104 100

78 56.9 43.3 64.9

103 59.0 45.2 67.8

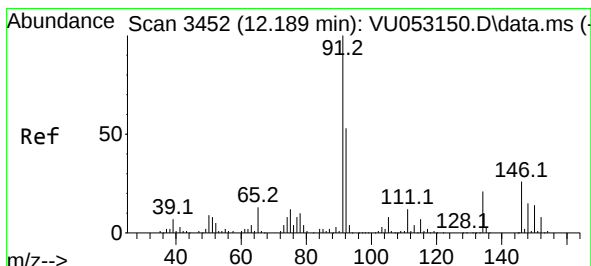
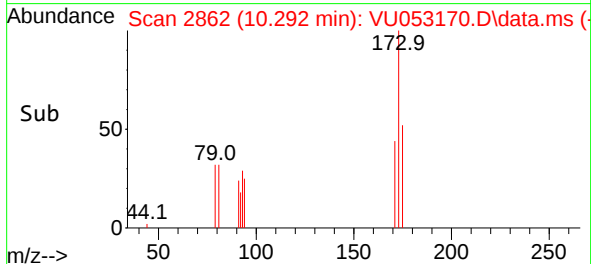
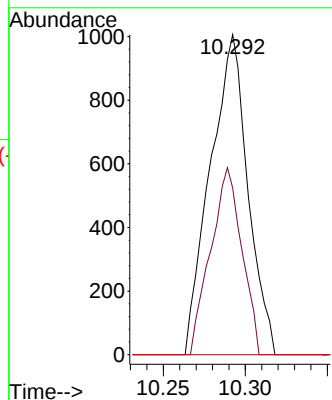
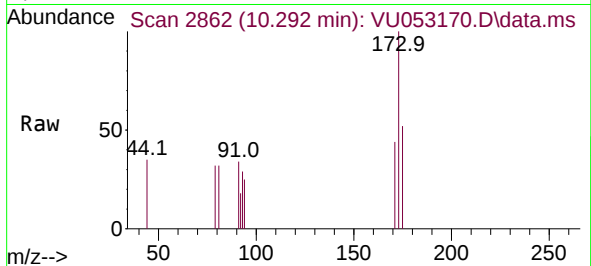




#67
Bromoform
Concen: 0.668 ug/l
RT: 10.292 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

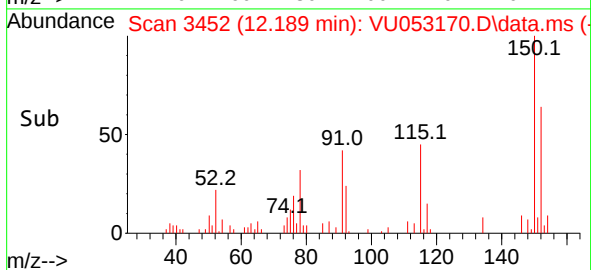
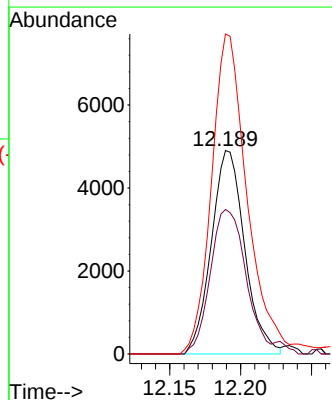
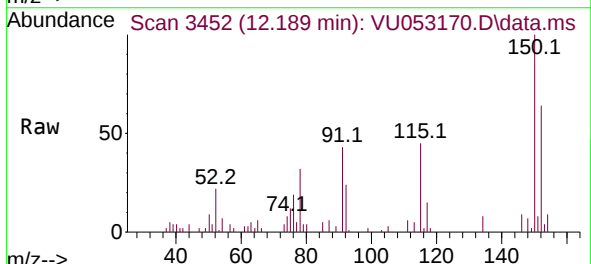
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

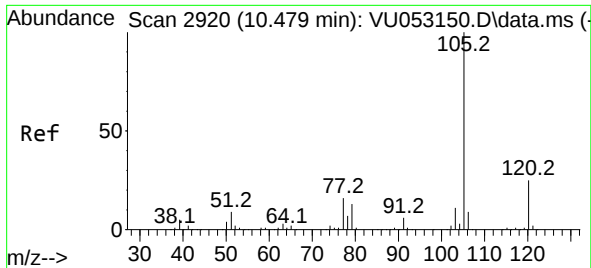
Tgt Ion:173 Resp: 1601
Ion Ratio Lower Upper
173 100
175 48.6 38.7 58.1
254 0.0 5.8 8.8#



#68
1,2-Dichlorobenzene-d4
Concen: 1.048 ug/l
RT: 12.189 min Scan# 3452
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion:152 Resp: 8025
Ion Ratio Lower Upper
152 100
115 75.5 0.0 267.8
150 169.6 0.0 623.0

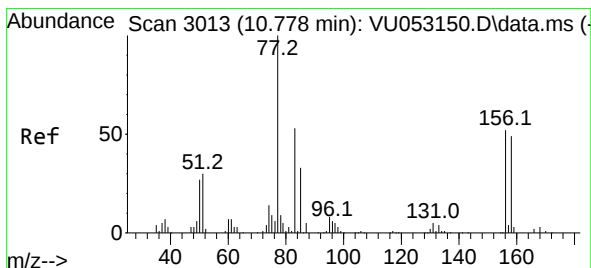
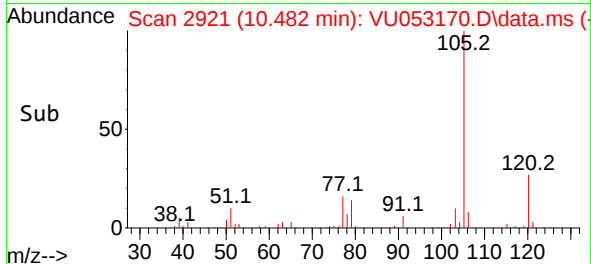
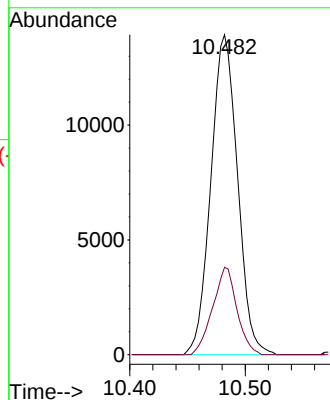
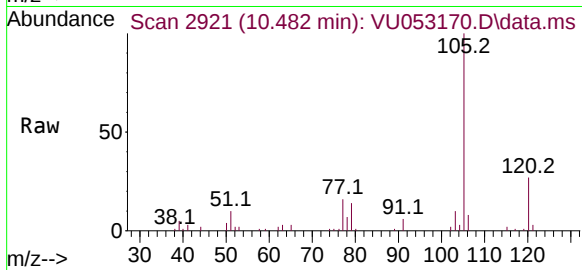




#69
Isopropylbenzene
Concen: 0.773 ug/l
RT: 10.482 min Scan# 2920
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

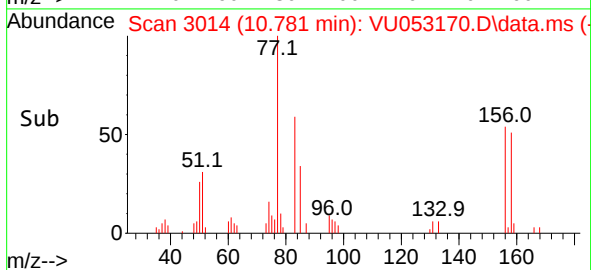
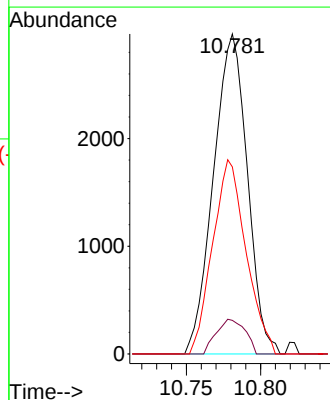
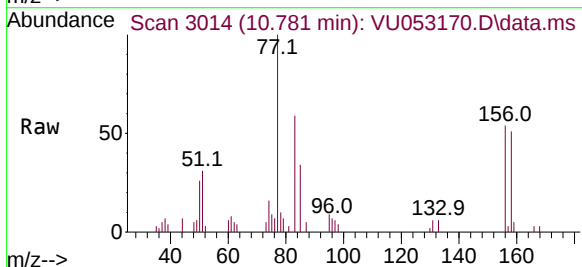
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

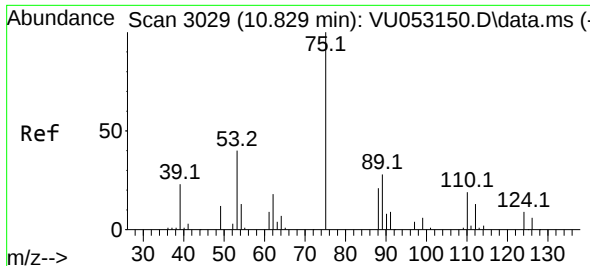
Tgt Ion:105 Resp: 22357
Ion Ratio Lower Upper
105 100
120 24.8 12.6 37.6



#70
1,1,2,2-Tetrachloroethane
Concen: 0.810 ug/l
RT: 10.781 min Scan# 3014
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 83 Resp: 4715
Ion Ratio Lower Upper
83 100
131 9.2 6.6 9.8
85 59.8 49.3 73.9

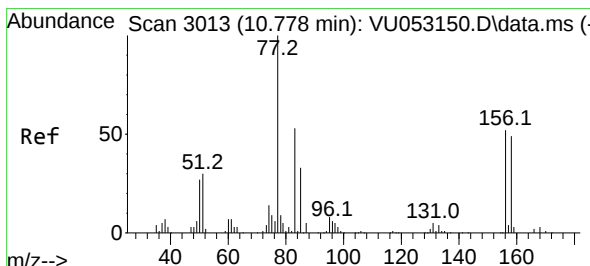
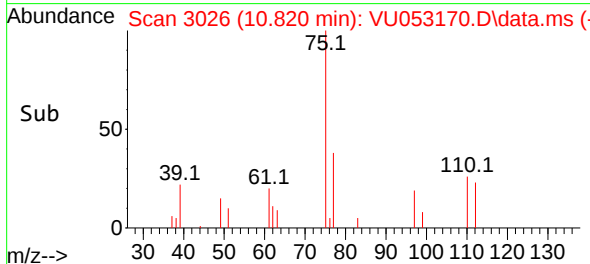
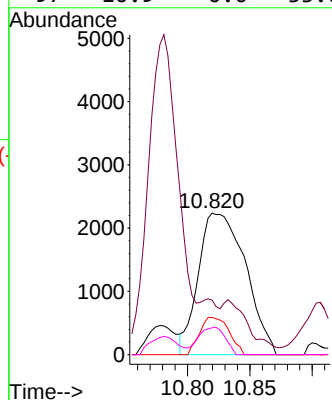
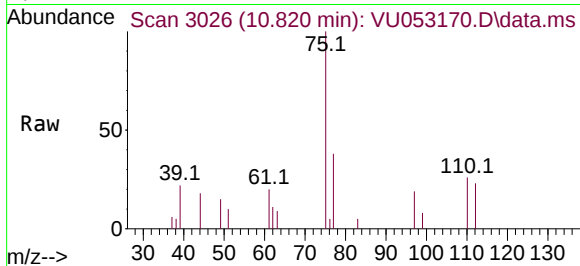




#71
1,2,3-Trichloropropane
Concen: 1.176 ug/l
RT: 10.820 min Scan# 3029
Delta R.T. -0.010 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

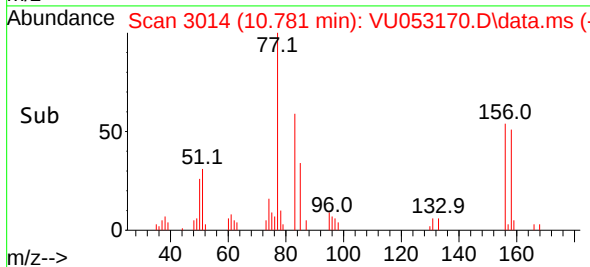
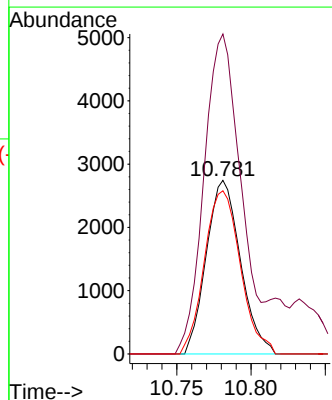
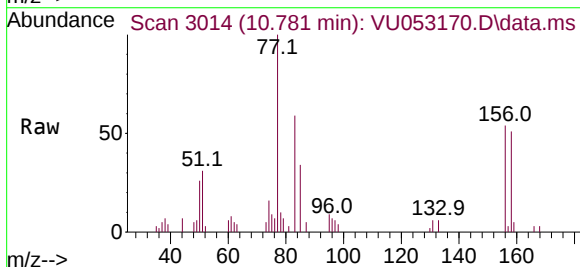
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

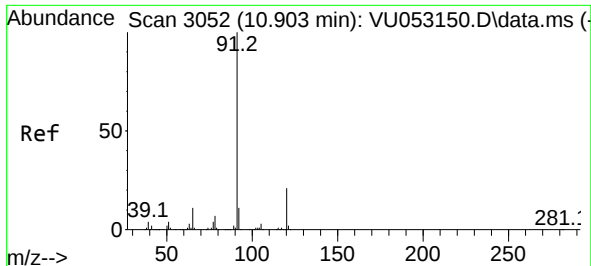
Tgt Ion: 75	Resp: 5889
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 98.2
110 16.4	0.0 57.0
97 10.9	0.0 33.6



#72
Bromobenzene
Concen: 0.782 ug/l
RT: 10.781 min Scan# 3014
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion:156	Resp:	4388	
Ion	Ratio	Lower	Upper
156	100		
77	199.7	0.0	397.0
158	99.1	0.0	189.2

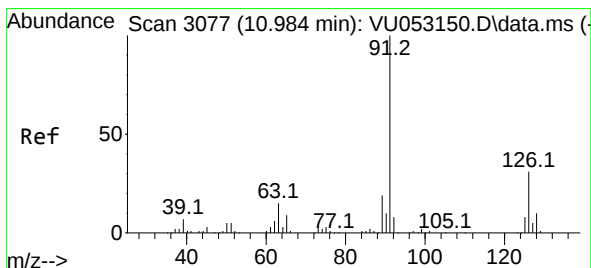
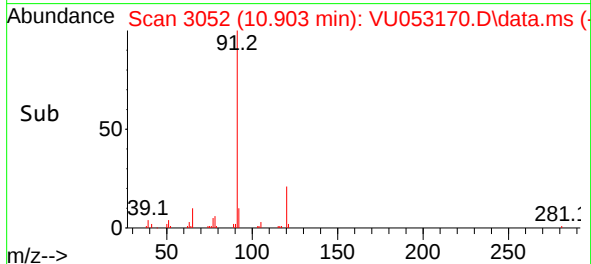
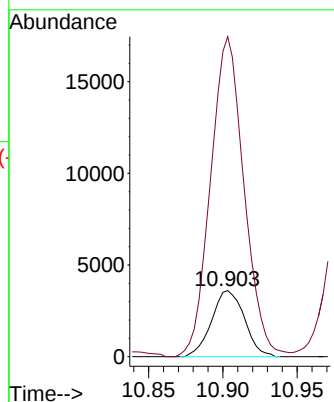
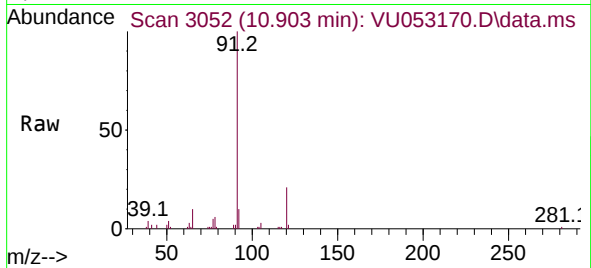




#73
n-propylbenzene
Concen: 0.722 ug/l
RT: 10.903 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

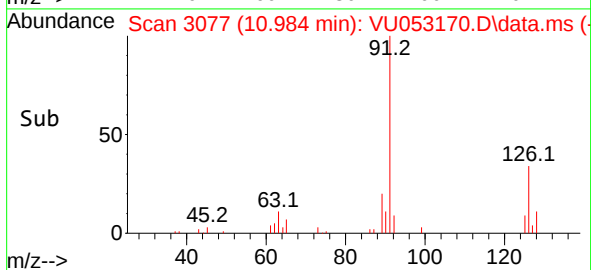
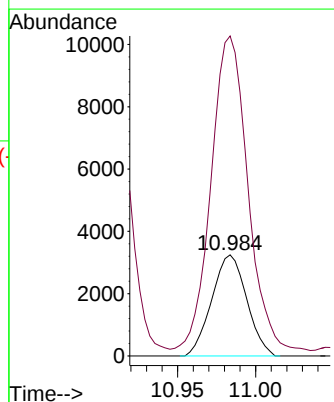
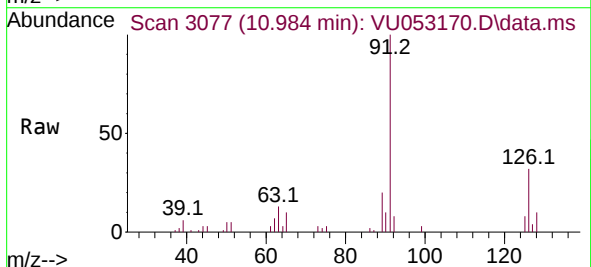
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

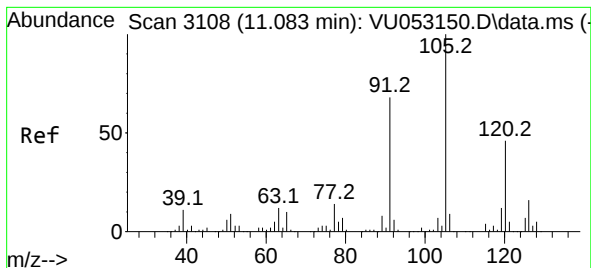
Tgt Ion:120 Resp: 5542
Ion Ratio Lower Upper
120 100
91 494.4 372.5 558.7



#74
2-Chlorotoluene
Concen: 0.796 ug/l
RT: 10.984 min Scan# 3077
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion:126 Resp: 5054
Ion Ratio Lower Upper
126 100
91 330.8 0.0 658.6





#75

1,3,5-Trimethylbenzene

Concen: 0.755 ug/l

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

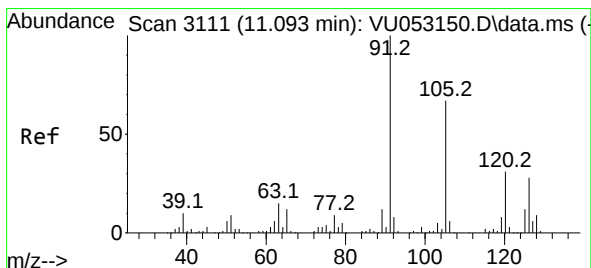
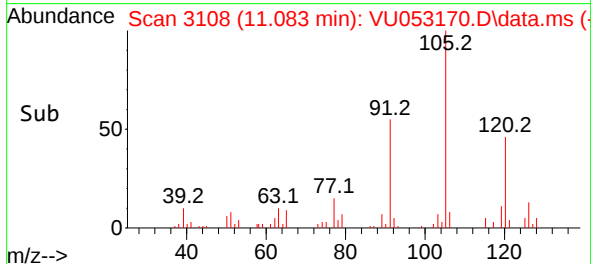
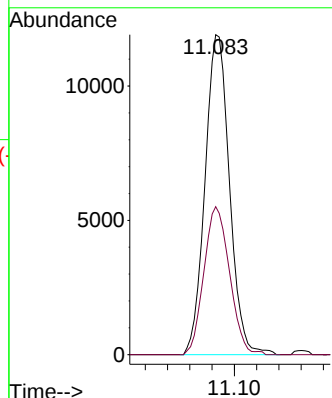
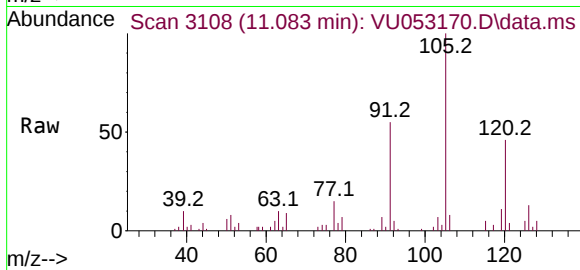
MDL-WATER-03-QT1-2023

Tgt Ion:105 Resp: 18179

Ion Ratio Lower Upper

105 100

120 48.5 36.5 54.7



#76

4-Chlorotoluene

Concen: 0.767 ug/l

RT: 11.096 min Scan# 3112

Delta R.T. 0.003 min

Lab File: VU053170.D

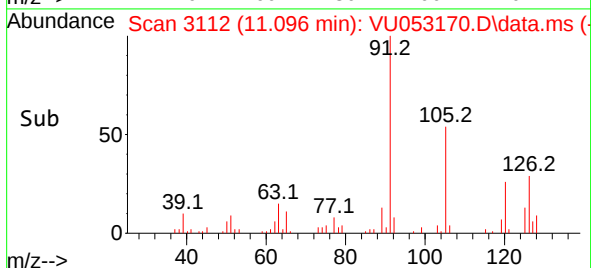
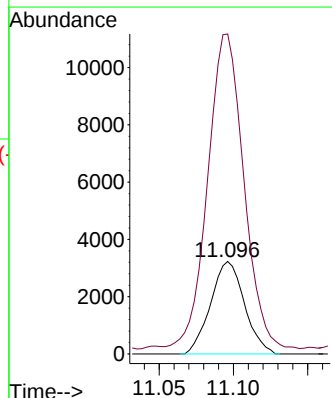
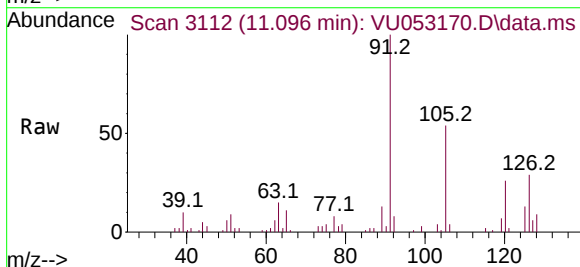
Acq: 28 Feb 2023 13:50

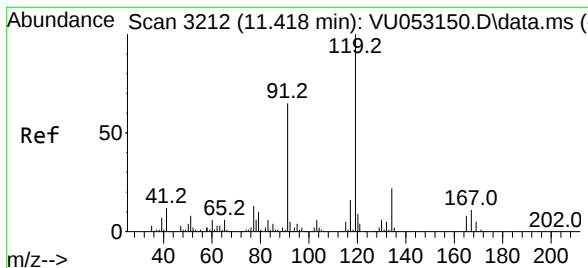
Tgt Ion:126 Resp: 5122

Ion Ratio Lower Upper

126 100

91 361.5 0.0 760.6





#77

tert-Butylbenzene

Concen: 0.729 ug/l

RT: 11.418 min Scan# 3212

Delta R.T. 0.000 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

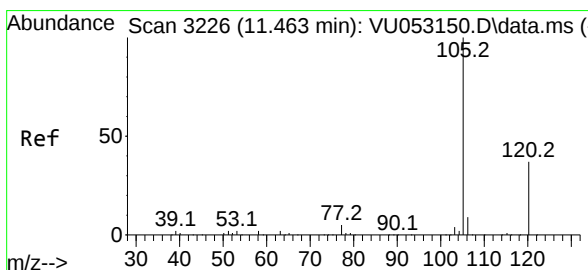
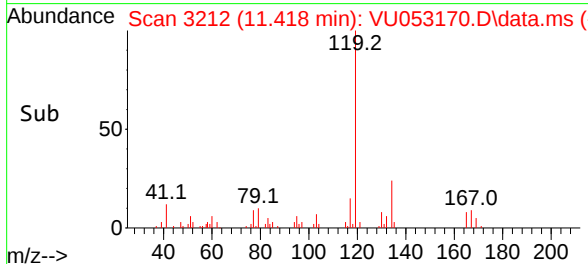
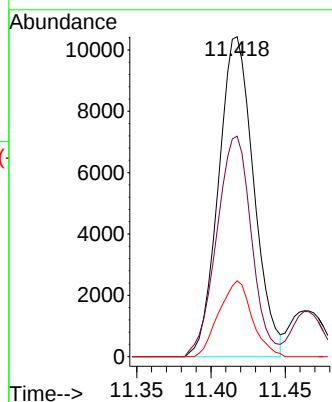
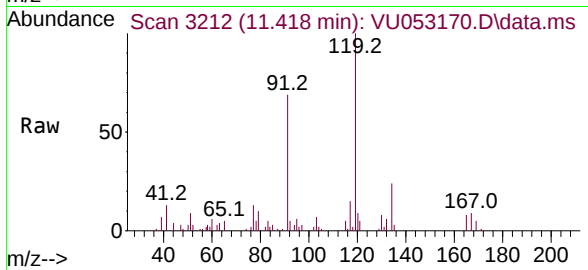
Tgt Ion:119 Resp: 17200

Ion Ratio Lower Upper

119 100

91 68.2 31.9 95.7

134 22.3 17.4 26.0



#78

1,2,4-Trimethylbenzene

Concen: 0.768 ug/l

RT: 11.463 min Scan# 3226

Delta R.T. 0.000 min

Lab File: VU053170.D

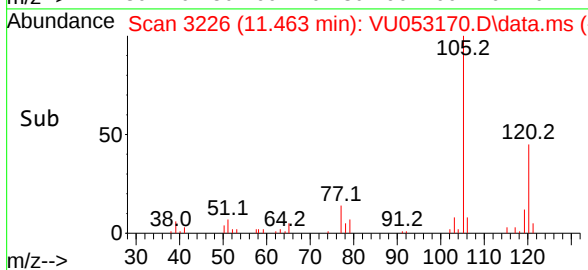
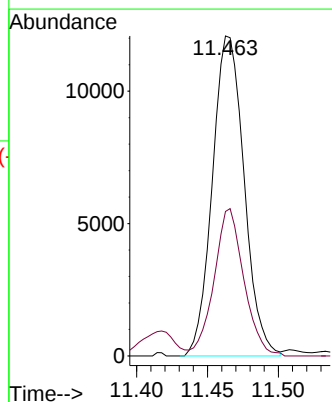
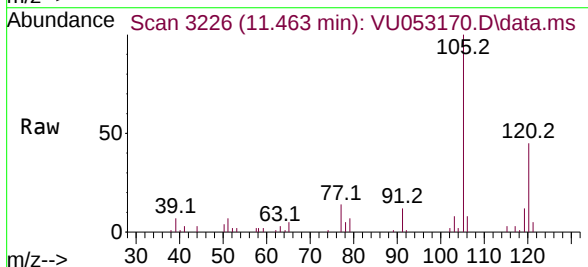
Acq: 28 Feb 2023 13:50

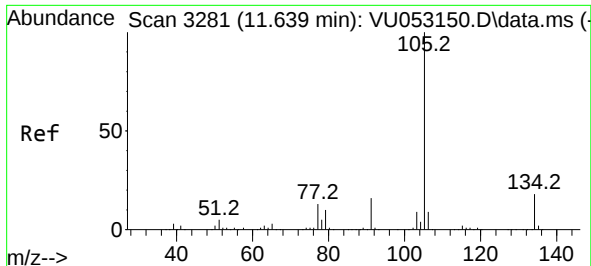
Tgt Ion:105 Resp: 18830

Ion Ratio Lower Upper

105 100

120 43.1 21.1 63.1

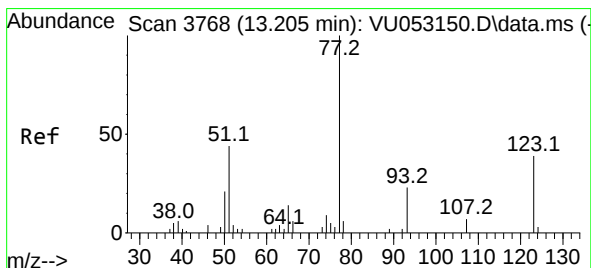
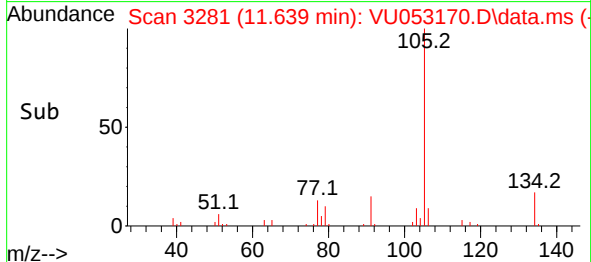
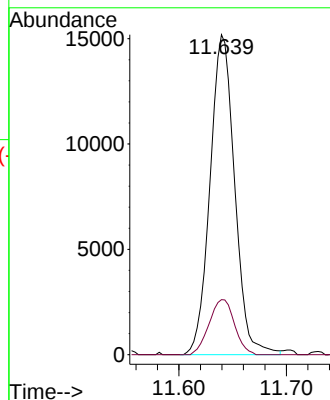
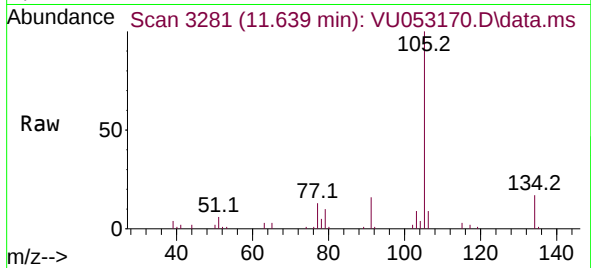




#79
 sec-Butylbenzene
 Concen: 0.739 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053170.D
 Acq: 28 Feb 2023 13:50

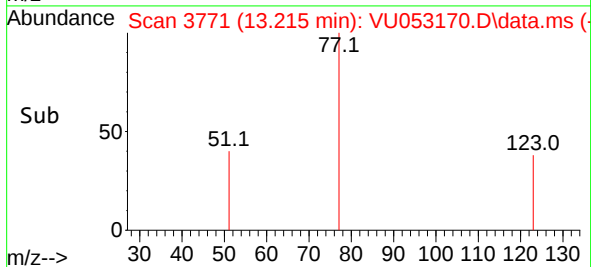
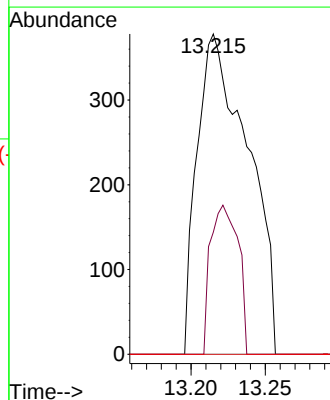
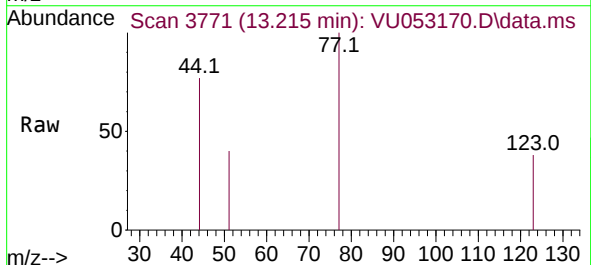
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2023

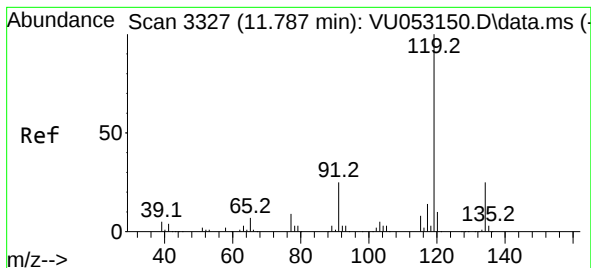
Tgt Ion:105 Resp: 24197
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.4 21.6



#80
 Nitrobenzene
 Concen: 2.959 ug/l
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.010 min
 Lab File: VU053170.D
 Acq: 28 Feb 2023 13:50

Tgt Ion: 77 Resp: 900
 Ion Ratio Lower Upper
 77 100
 123 25.3 17.0 60.2
 65 0.0 12.9 16.5#





#81

p-Isopropyltoluene

Concen: 0.774 ug/l

RT: 11.791 min Scan# 3328

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

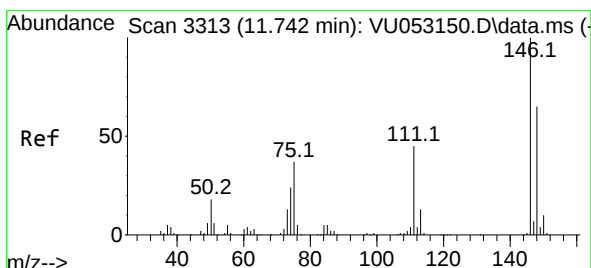
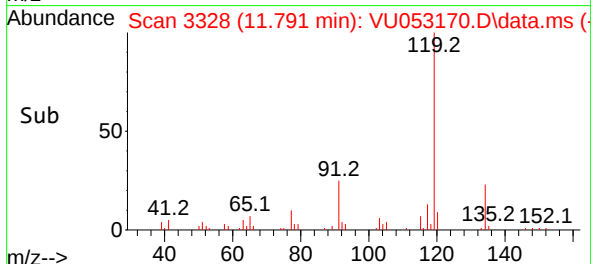
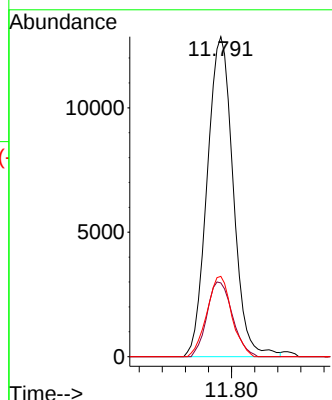
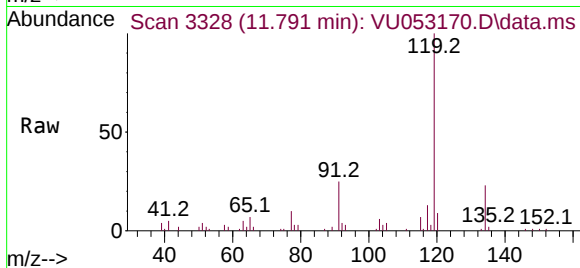
Tgt Ion:119 Resp: 20060

Ion Ratio Lower Upper

119 100

134 22.9 19.8 29.6

91 23.9 20.5 30.7



#82

1,3-Dichlorobenzene

Concen: 0.786 ug/l

RT: 11.742 min Scan# 3313

Delta R.T. 0.000 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

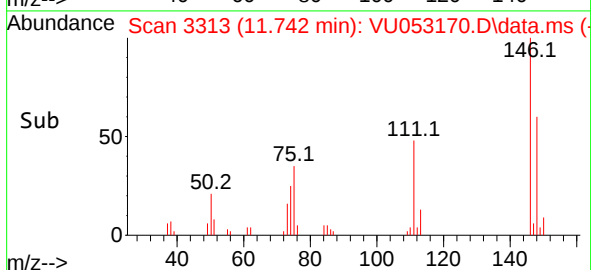
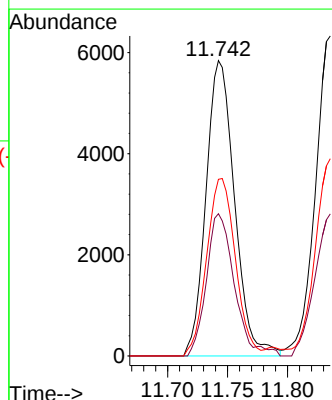
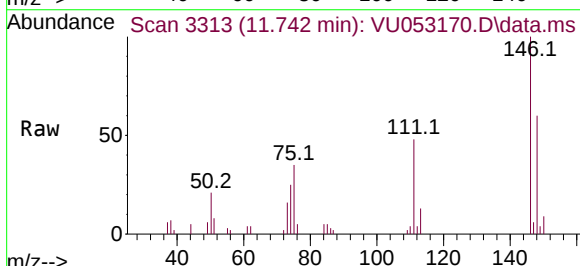
Tgt Ion:146 Resp: 9677

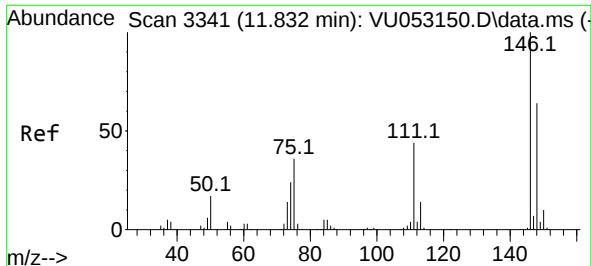
Ion Ratio Lower Upper

146 100

111 47.0 36.0 54.0

148 60.2 50.8 76.2

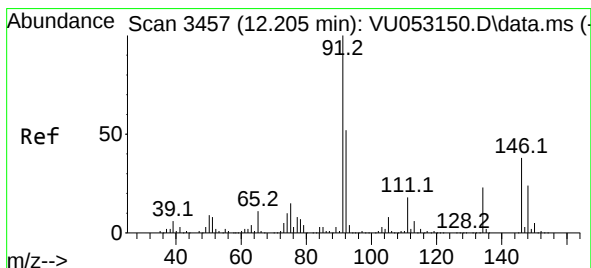
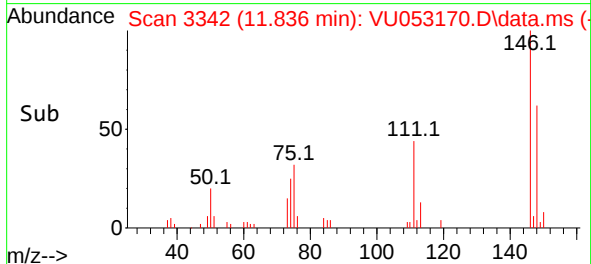
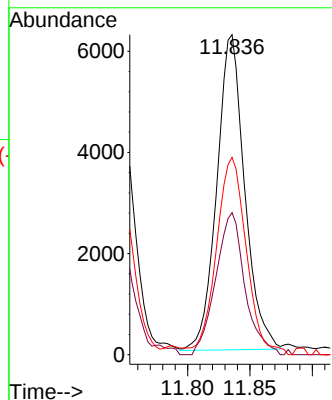
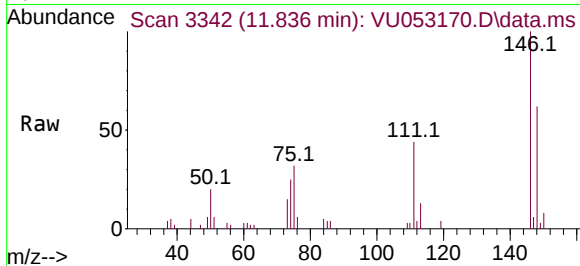




#83
1,4-Dichlorobenzene
Concen: 0.771 ug/l
RT: 11.836 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

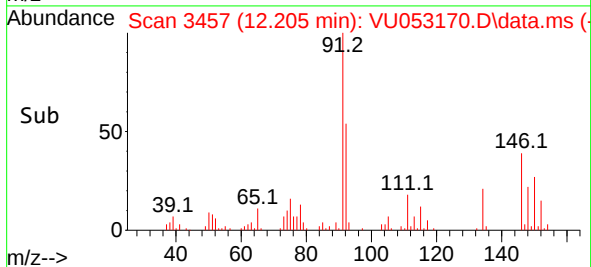
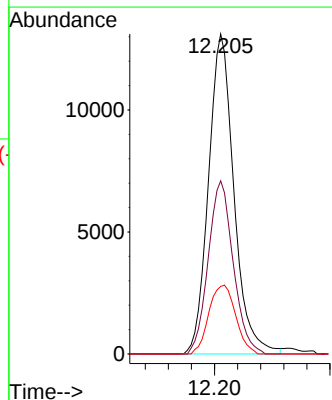
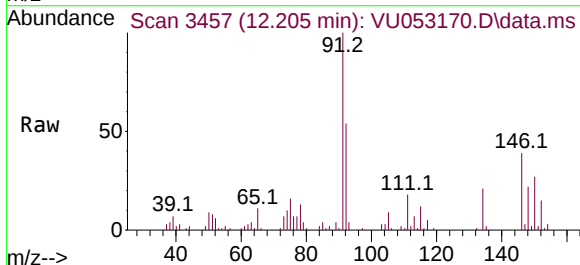
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

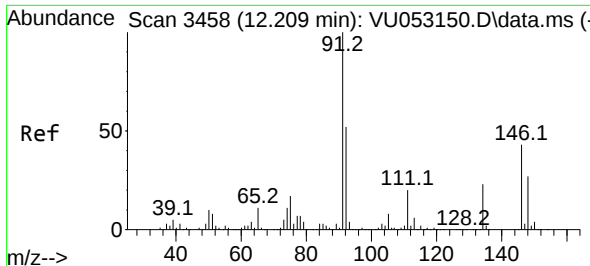
Tgt Ion:	146	Resp:	9696
Ion	Ratio	Lower	Upper
146	100		
111	46.9	34.0	51.0
148	67.3	49.8	74.6



#84
n-Butylbenzene
Concen: 0.746 ug/l
RT: 12.205 min Scan# 3457
Delta R.T. 0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion:	91	Resp:	20034
Ion	Ratio	Lower	Upper
91	100		
92	53.1	41.8	62.6
134	22.6	17.9	26.9

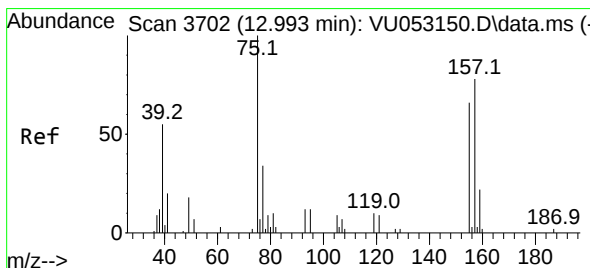
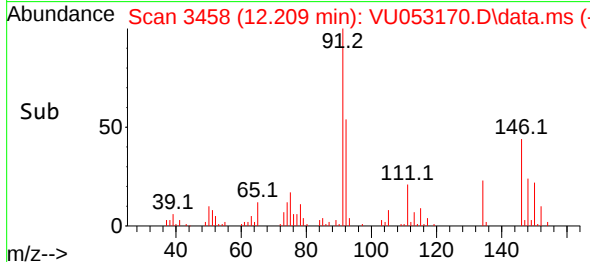
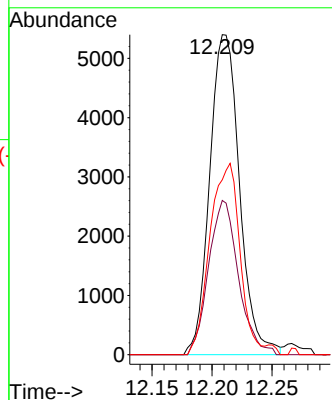
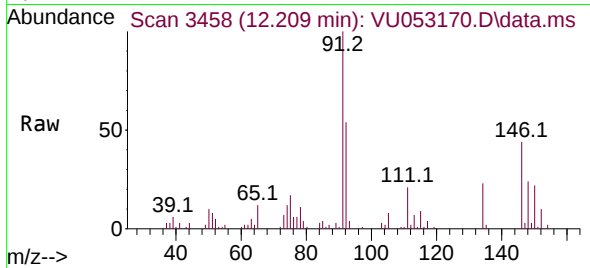




#85
1,2-Dichlorobenzene
Concen: 0.795 ug/l
RT: 12.209 min Scan# 3458
Delta R.T. -0.000 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

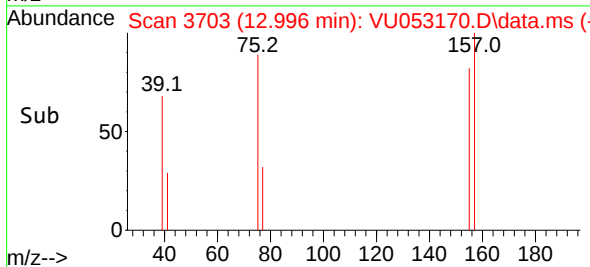
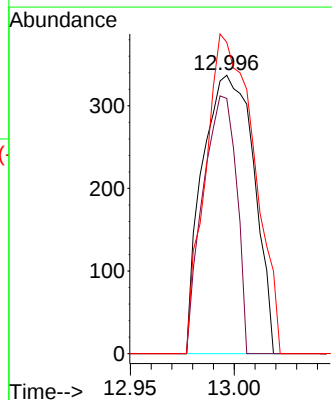
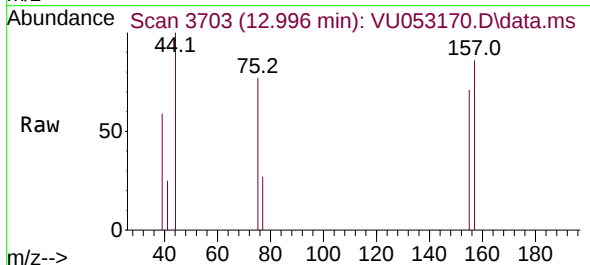
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

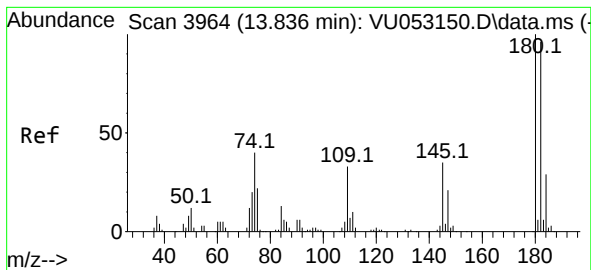
Tgt Ion:146 Resp: 9344
Ion Ratio Lower Upper
146 100
111 48.0 23.2 69.6
148 60.0 31.4 94.3



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.631 ug/l
RT: 12.996 min Scan# 3703
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion: 75 Resp: 578
Ion Ratio Lower Upper
75 100
155 60.4 53.4 80.0
157 108.5 61.7 92.5#





#87

1,2,4-Trichlorobenzene

Concen: 0.771 ug/l

RT: 13.839 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

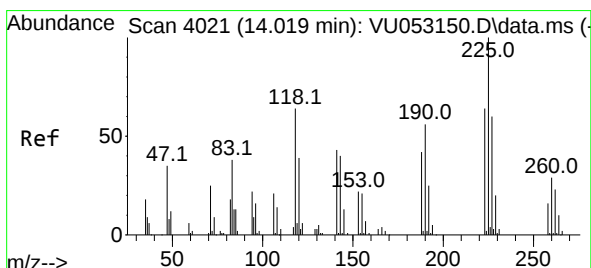
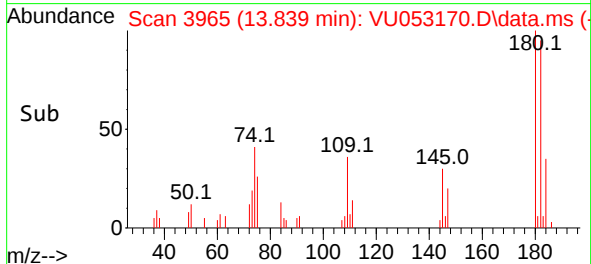
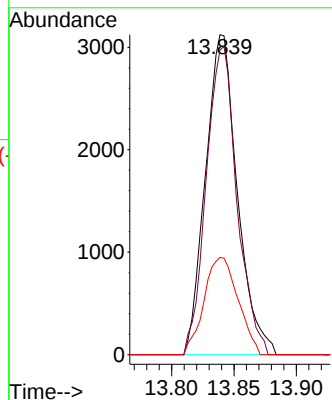
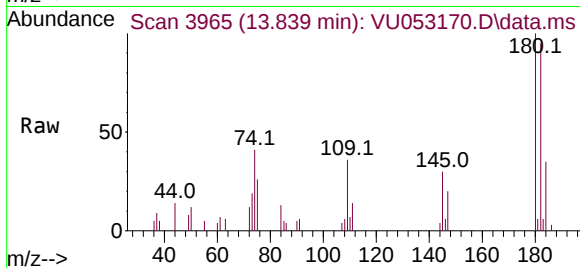
Tgt Ion:180 Resp: 5561

Ion Ratio Lower Upper

180 100

182 92.7 77.4 116.0

145 32.4 28.3 42.5



#88

Hexachlorobutadiene

Concen: 0.692 ug/l

RT: 14.016 min Scan# 4020

Delta R.T. -0.003 min

Lab File: VU053170.D

Acq: 28 Feb 2023 13:50

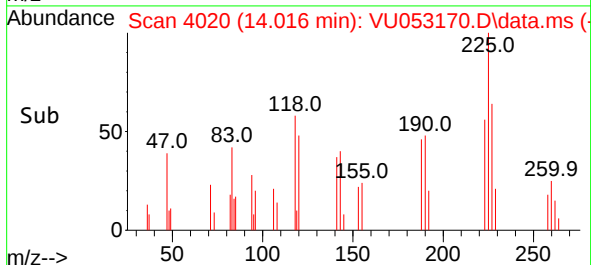
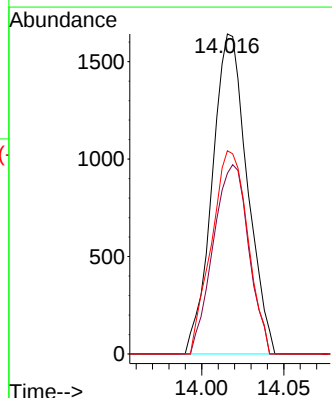
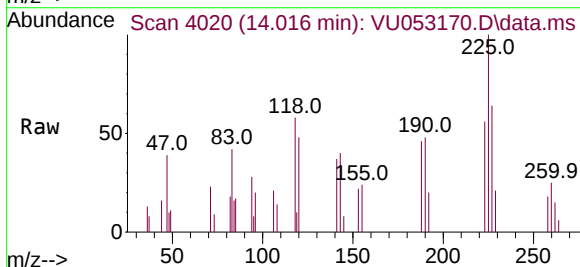
Tgt Ion:225 Resp: 2437

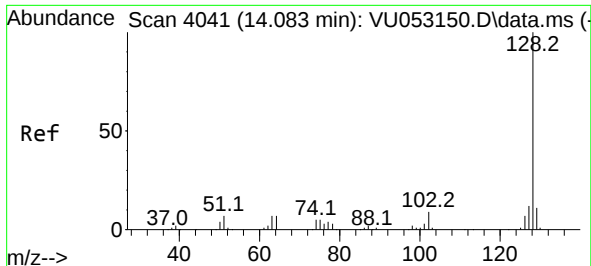
Ion Ratio Lower Upper

225 100

223 59.9 51.1 76.7

227 65.7 49.9 74.9

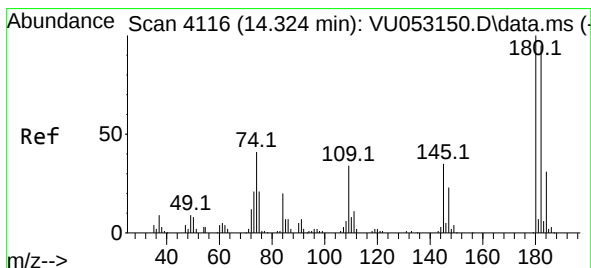
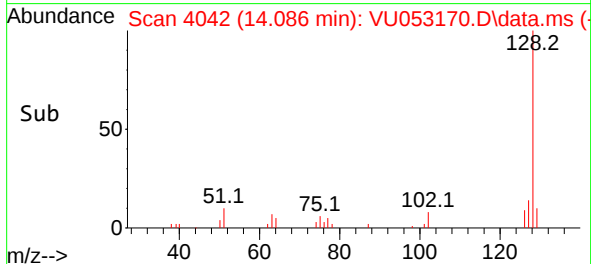
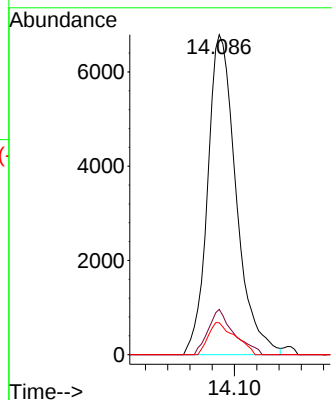
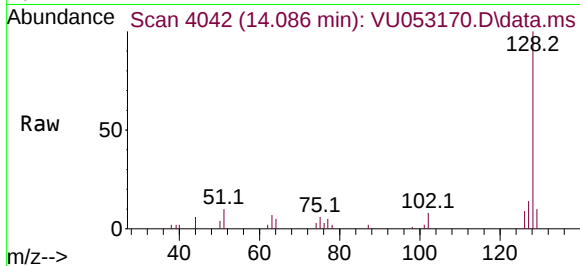




#89
Naphthalene
Concen: 0.787 ug/l
RT: 14.086 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion:128	Resp:	12066
Ion Ratio	Lower	Upper
128	100	
127	12.7	9.9 14.9
129	9.4	8.3 12.5



#90
1,2,3-Trichlorobenzene
Concen: 0.797 ug/l
RT: 14.327 min Scan# 4117
Delta R.T. 0.003 min
Lab File: VU053170.D
Acq: 28 Feb 2023 13:50

Tgt Ion:180	Resp:	5054
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.6 115.0
145	31.4	29.0 43.6

