

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053171.D
 Acq On : 28 Feb 2023 14:22
 Operator : JC/MD
 Sample : 01627-08 0.5PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

Quant Time: Mar 01 03:57:15 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	24349	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10102	0.983	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	8654	1.062	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	2315	0.375	ug/l	93
3) Chloromethane	1.524	50	2529	0.397	ug/l	95
4) Vinyl Chloride	1.605	62	2626	0.387	ug/l	92
5) Bromomethane	1.859	94	1519	0.394	ug/l	91
6) Chloroethane	1.939	64	1696	0.412	ug/l	90
7) Trichlorofluoromethane	2.142	101	3785	0.388	ug/l	86
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	2313	0.379	ug/l	94
9) 1,1-Dichloroethene	2.582	96	1958	0.369	ug/l	95
10) Iodomethane	2.724	142	1803	0.331	ug/l	95
11) Allyl Chloride	2.923	41	3256	0.393	ug/l	95
12) Acrylonitrile	3.318	53	1310	0.965	ug/l #	53
13) Acetone	2.643	43	3725	1.920	ug/l #	88
14) Carbon Disulfide	2.794	76	4630	0.381	ug/l	97
15) Methylene Chloride	3.045	84	5530	0.730	ug/l	92
16) trans-1,2-Dichloroethene	3.351	96	2074	0.356	ug/l	92
17) 1,1-Dichloroethane	3.868	63	4883	0.383	ug/l #	94
18) 2-Butanone	4.723	43	4844	2.080	ug/l	82
19) Cyclohexane	5.386	56	3631	0.357	ug/l	89
20) Methylcyclohexane	6.762	83	3690	0.378	ug/l	93
21) 2,2-Dichloropropane	4.659	77	4682	0.419	ug/l	96
22) cis-1,2-Dichloroethene	4.666	96	2736	0.381	ug/l	91
23) Diethyl Ether	2.379	59	1674	0.386	ug/l #	86
24) tert-Butyl Alcohol	3.215	59	650	1.276	ug/l #	71
25) Methyl tert-Butyl Ether	3.363	73	6055	0.393	ug/l #	90
26) Bromochloromethane	4.981	128	992	0.357	ug/l	92
27) Chloroform	5.087	83	5291	0.403	ug/l	93
28) 1,1,1-Trichloroethane	5.312	97	3954	0.358	ug/l	95
29) 1,1-Dichloropropene	5.527	75	3293	0.398	ug/l	96
30) Carbon Tetrachloride	5.521	117	2692	0.354	ug/l	94
31) Isopropyl Ether	3.994	45	7367	0.362	ug/l	96
32) Ethyl-t-butyl ether	4.505	59	7135	0.370	ug/l	95
33) Tert-Amyl methyl ether	5.945	73	5877	0.384	ug/l #	91
34) Propionitrile	4.794	54	504	0.930	ug/l #	62
35) Benzene	5.772	78	9842	0.403	ug/l	97
36) 1,2-Dichloroethane	5.797	62	2929	0.402	ug/l #	82
37) Trichloroethene	6.543	130	2087	0.373	ug/l	98
38) 1,2-Dichloropropane	6.794	63	2837	0.402	ug/l	94
39) Methacrylonitrile	4.981	41	1452	0.628	ug/l #	66
40) Methyl acrylate	4.855	55	1410	0.395	ug/l #	72
41) Tetrahydrofuran	5.064	42	793	0.700	ug/l	94
42) 1-Chlorobutane	5.457	56	4305	0.374	ug/l	80
43) Dibromomethane	6.916	93	1135	0.363	ug/l	92
44) Bromodichloromethane	7.106	83	3264	0.382	ug/l #	87

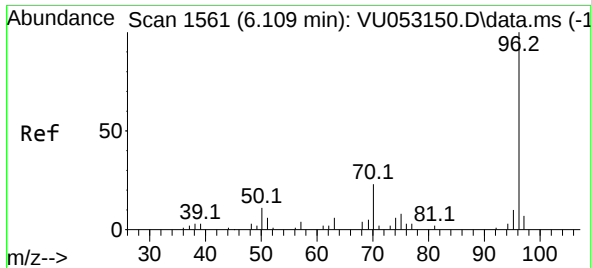
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 01 03:54:45 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	8167	2.139	ug/l	97
46) t-1,4-Dichloro-2-butene	10.829	75	2813	1.462	ug/l #	51
47) Methyl methacrylate	6.965	69	2651	0.824	ug/l #	95
48) Ethyl methacrylate	8.337	69	2535	0.384	ug/l	97
49) Toluene	7.971	92	5833	0.388	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	3121	0.376	ug/l	94
51) cis-1,3-Dichloropropene	7.608	75	3651	0.362	ug/l #	85
52) 1,1,2-Trichloroethane	8.402	97	1864	0.406	ug/l	95
53) 1,3-Dichloropropane	8.575	76	3421	0.415	ug/l	98
54) 2-Hexanone	8.691	43	6775	2.082	ug/l	95
55) Dibromochloromethane	8.807	129	1980	0.378	ug/l	94
56) 1,2-Dibromoethane	8.923	107	1512	0.370	ug/l	89
58) Tetrachloroethene	8.550	164	1768	0.396	ug/l #	87
59) Chlorobenzene	9.447	112	6861	0.408	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.534	131	2124	0.383	ug/l	98
61) Pentachloroethane	11.424	117	1759	0.365	ug/l	84
62) Hexachloroethane	12.476	117	1640	0.308	ug/l	93
63) Ethyl Benzene	9.569	91	12272	0.396	ug/l	95
64) m/p-Xylenes	9.694	106	8496	0.755	ug/l	95
65) o-Xylene	10.096	106	4398	0.383	ug/l	97
66) Styrene	10.116	104	6636	0.364	ug/l	94
67) Bromoform	10.289	173	880	0.345	ug/l #	96
69) Isopropylbenzene	10.482	105	11893	0.387	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.781	83	2504	0.404	ug/l #	93
71) 1,2,3-Trichloropropane	10.829	75	2813	0.528	ug/l	75
72) Bromobenzene	10.781	156	2485	0.416	ug/l	95
73) n-propylbenzene	10.903	120	2927	0.359	ug/l	97
74) 2-Chlorotoluene	10.984	126	2515	0.372	ug/l	83
75) 1,3,5-Trimethylbenzene	11.087	105	9590	0.375	ug/l	99
76) 4-Chlorotoluene	11.096	126	2739	0.386	ug/l	87
77) tert-Butylbenzene	11.418	119	9522	0.380	ug/l	98
78) 1,2,4-Trimethylbenzene	11.466	105	10215	0.392	ug/l	99
79) sec-Butylbenzene	11.640	105	13886	0.399	ug/l	98
80) Nitrobenzene	13.225	77	391	1.208	ug/l #	70
81) p-Isopropyltoluene	11.791	119	10012	0.363	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	5023	0.383	ug/l	99
83) 1,4-Dichlorobenzene	11.836	146	5411	0.404	ug/l	99
84) n-Butylbenzene	12.205	91	11420	0.400	ug/l	96
85) 1,2-Dichlorobenzene	12.212	146	4996	0.400	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.993	75	331	0.340	ug/l #	66
87) 1,2,4-Trichlorobenzene	13.842	180	3067	0.400	ug/l #	93
88) Hexachlorobutadiene	14.019	225	1451	0.387	ug/l #	86
89) Naphthalene	14.090	128	7597	0.466	ug/l	98
90) 1,2,3-Trichlorobenzene	14.324	180	2817	0.417	ug/l	98

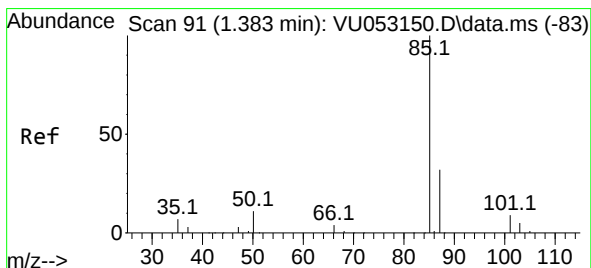
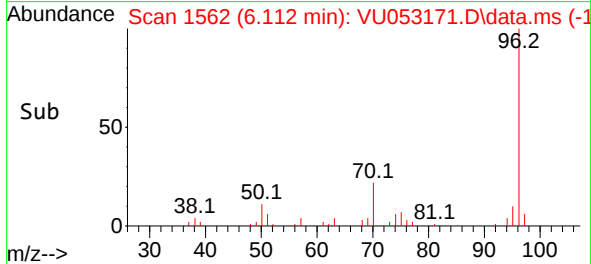
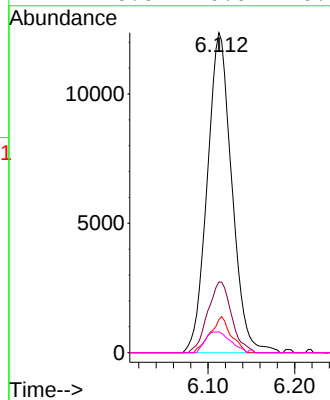
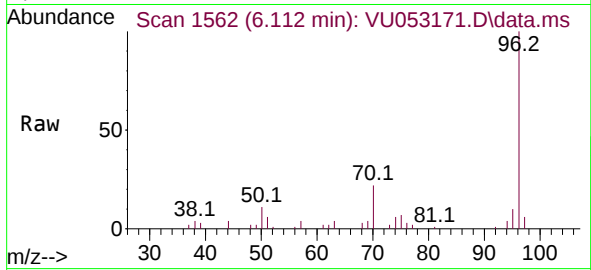
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#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

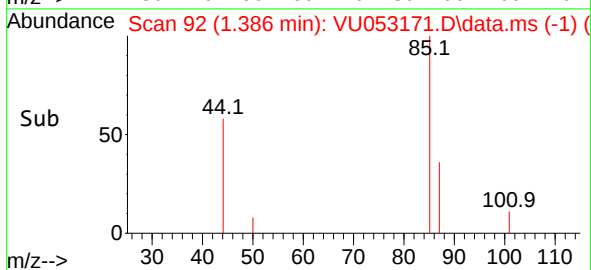
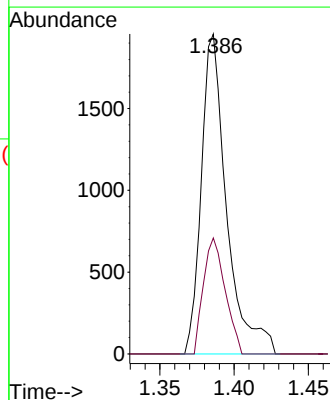
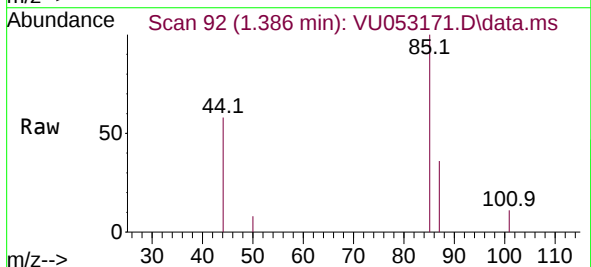
Instrument :
MSVOA_U
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LOQ-WATER-02-QT1-2023

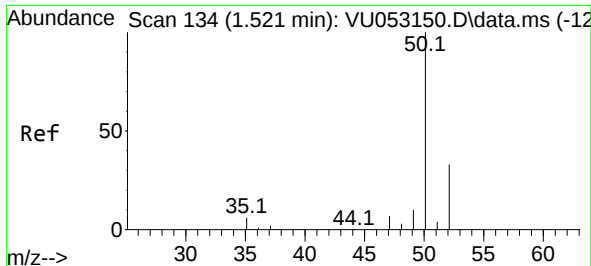
Tgt Ion: 96	Resp: 24349
Ion Ratio	Lower Upper
96 100	
70 21.4	15.5 23.3
95 9.4	7.0 10.6
97 6.6	0.0 0.0



#2
Dichlorodifluoromethane
Concen: 0.375 ug/l
RT: 1.386 min Scan# 92
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion: 85	Resp: 2315
Ion Ratio	Lower Upper
85 100	
87 36.2	16.1 48.2

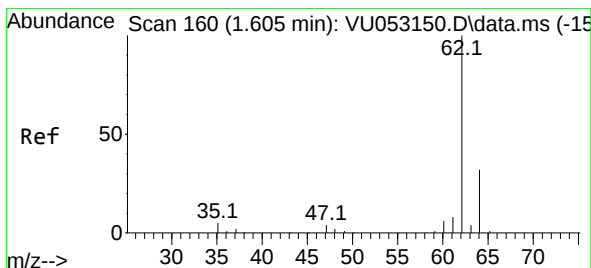
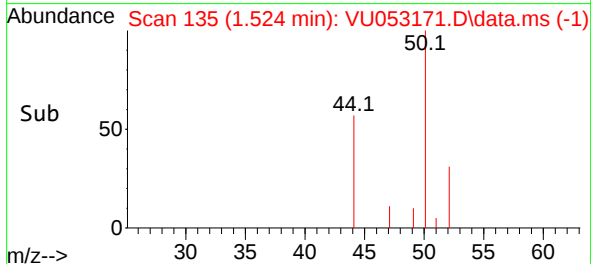
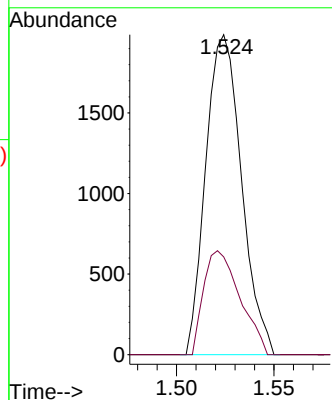
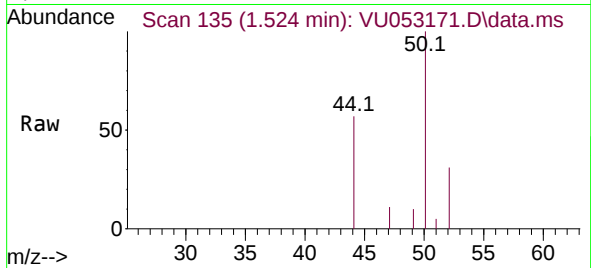




#3
Chloromethane
Concen: 0.397 ug/l
RT: 1.524 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

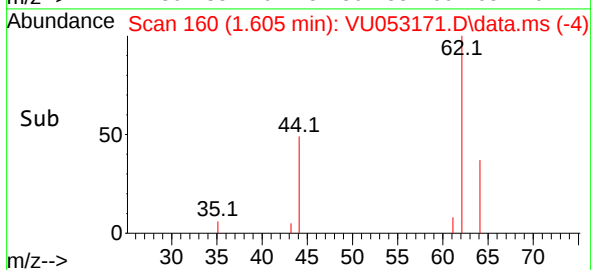
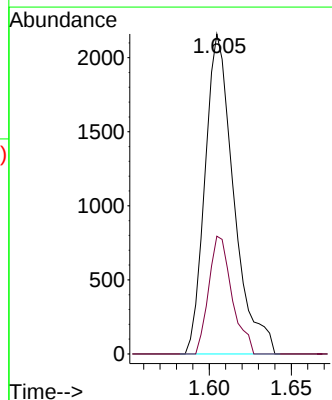
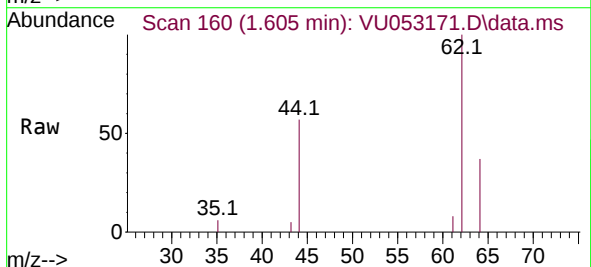
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ClientSampleId :
LOQ-WATER-02-QT1-2023

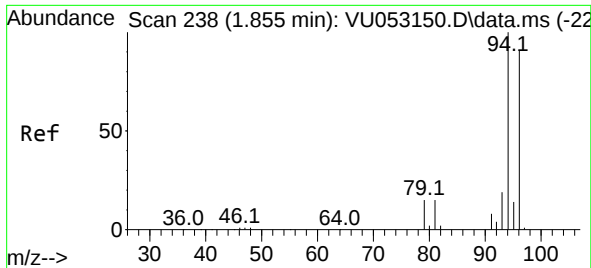
Tgt Ion: 50 Resp: 2529
Ion Ratio Lower Upper
50 100
52 30.5 26.7 40.1



#4
Vinyl Chloride
Concen: 0.387 ug/l
RT: 1.605 min Scan# 160
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion: 62 Resp: 2626
Ion Ratio Lower Upper
62 100
64 36.8 25.8 38.6

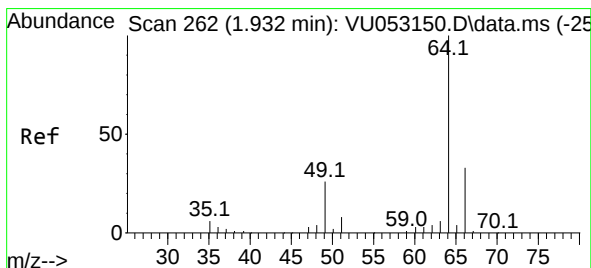
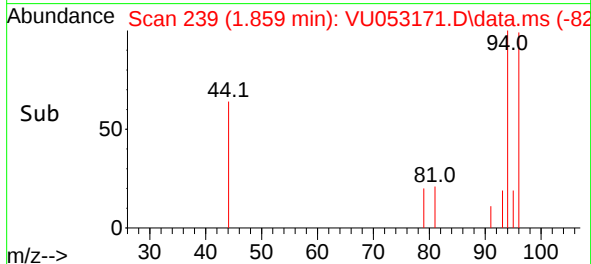
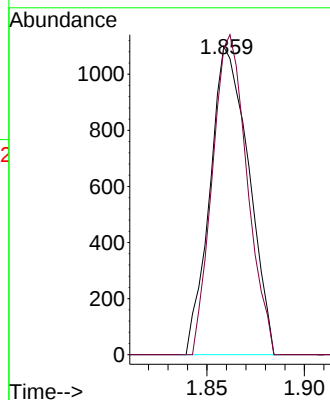
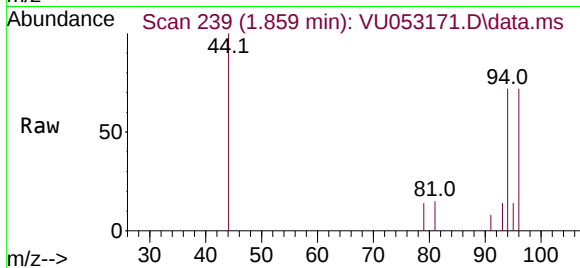




#5
Bromomethane
Concen: 0.394 ug/l
RT: 1.859 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

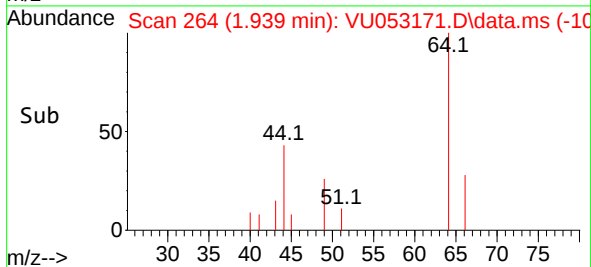
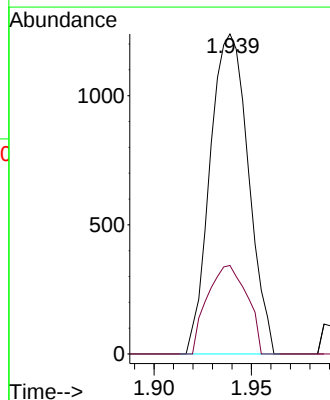
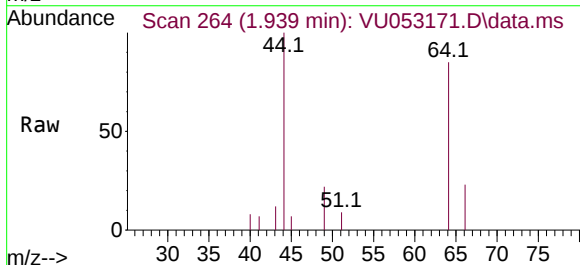
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ClientSampleId :
LOQ-WATER-02-QT1-2023

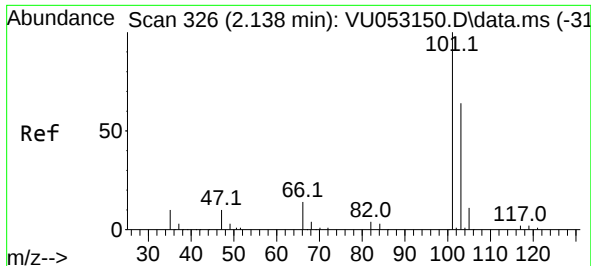
Tgt Ion: 94 Resp: 1519
Ion Ratio Lower Upper
94 100
96 99.5 72.6 108.8



#6
Chloroethane
Concen: 0.412 ug/l
RT: 1.939 min Scan# 264
Delta R.T. 0.006 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion: 64 Resp: 1696
Ion Ratio Lower Upper
64 100
66 27.7 26.8 40.2

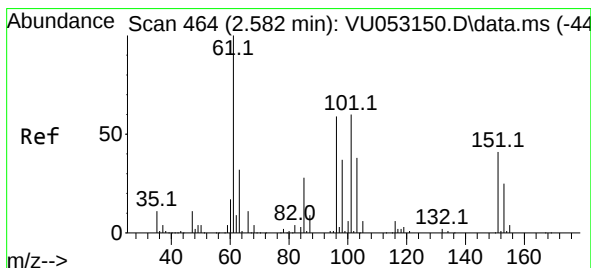
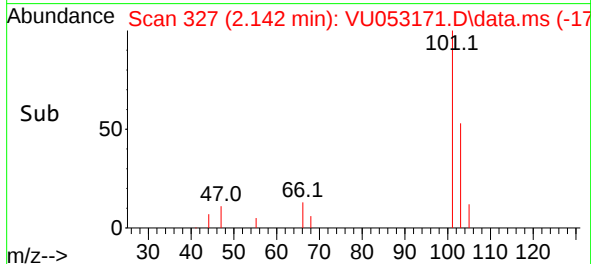
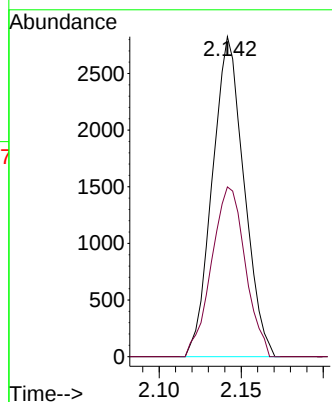
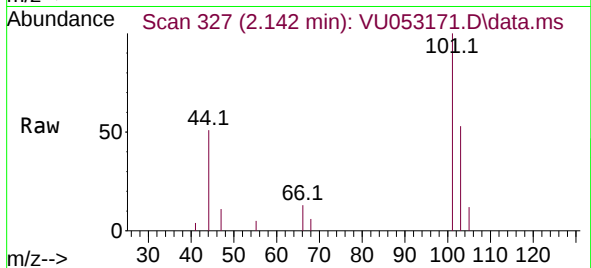




#7
 Trichlorofluoromethane
 Concen: 0.388 ug/l
 RT: 2.142 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU053171.D
 Acq: 28 Feb 2023 14:22

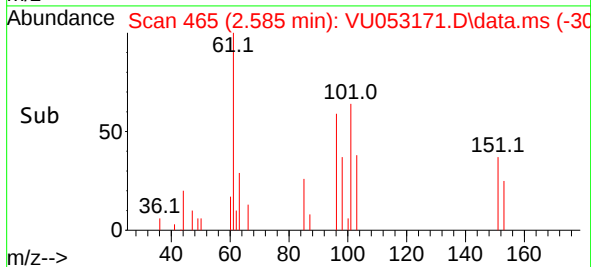
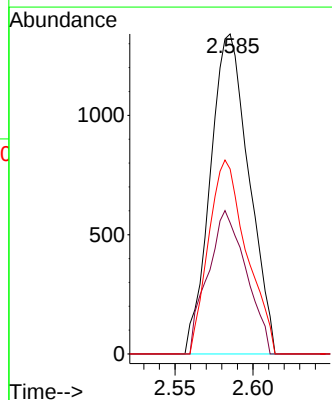
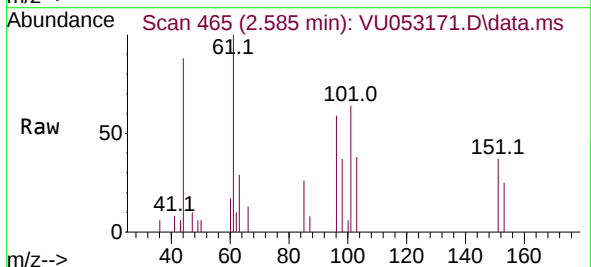
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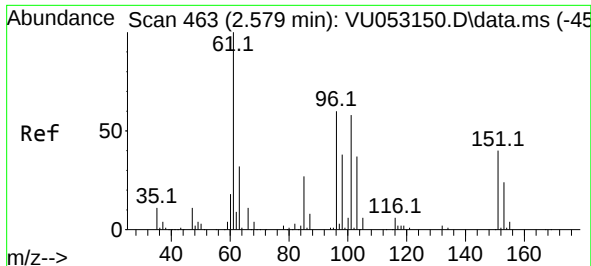
Tgt Ion:101 Resp: 3785
 Ion Ratio Lower Upper
 101 100
 103 53.0 51.2 76.8



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.379 ug/l
 RT: 2.585 min Scan# 465
 Delta R.T. 0.003 min
 Lab File: VU053171.D
 Acq: 28 Feb 2023 14:22

Tgt Ion:101 Resp: 2313
 Ion Ratio Lower Upper
 101 100
 85 44.4 37.3 55.9
 151 59.5 52.4 78.6

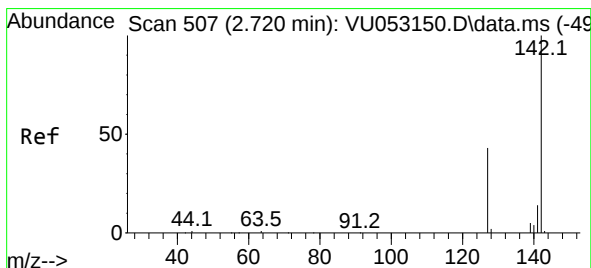
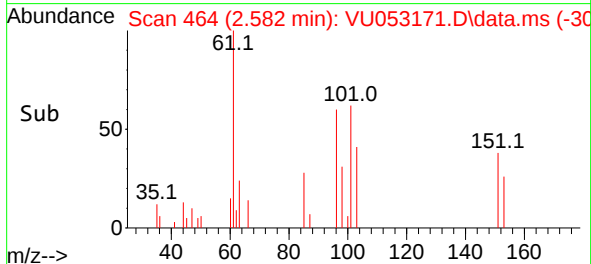
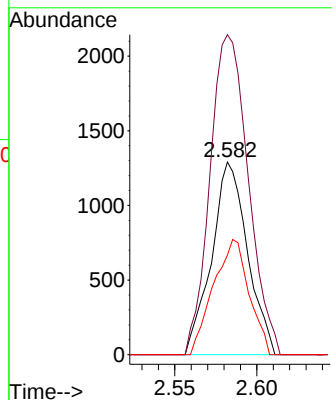
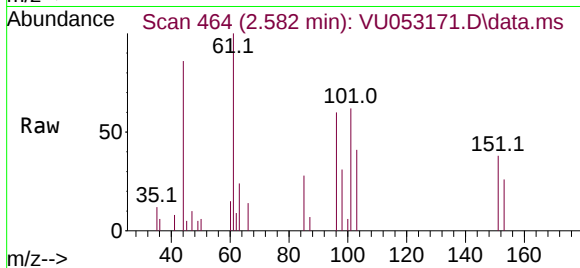




#9
1,1-Dichloroethene
Concen: 0.369 ug/l
RT: 2.582 min Scan# 463
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

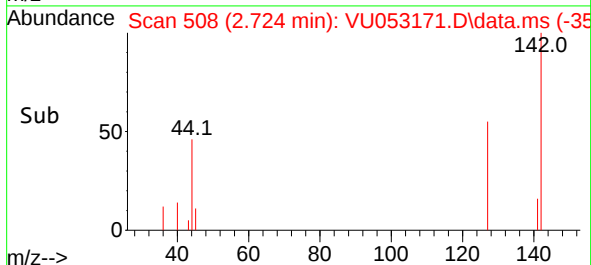
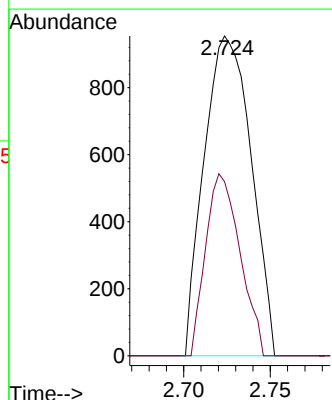
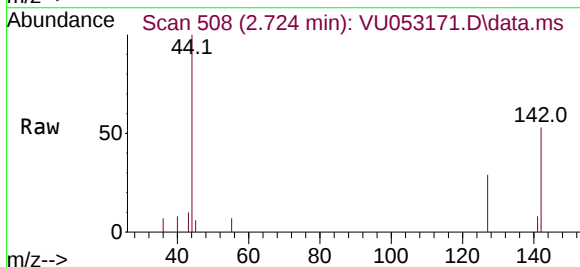
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LOQ-WATER-02-QT1-2023

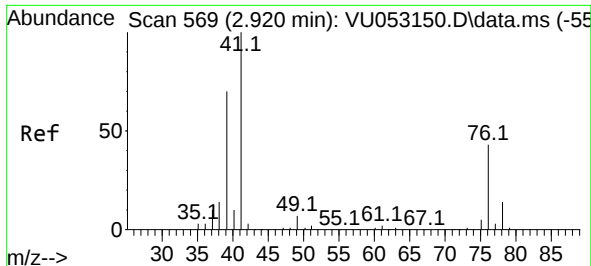
Tgt Ion: 96 Resp: 1958
Ion Ratio Lower Upper
96 100
61 166.1 0.0 502.5
98 51.7 0.0 126.2



#10
Iodomethane
Concen: 0.331 ug/l
RT: 2.724 min Scan# 508
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion: 142 Resp: 1803
Ion Ratio Lower Upper
142 100
127 41.6 35.8 53.8





#11

Allyl Chloride

Concen: 0.393 ug/l

RT: 2.923 min Scan# 5

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

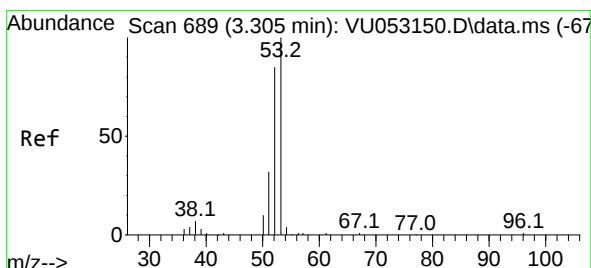
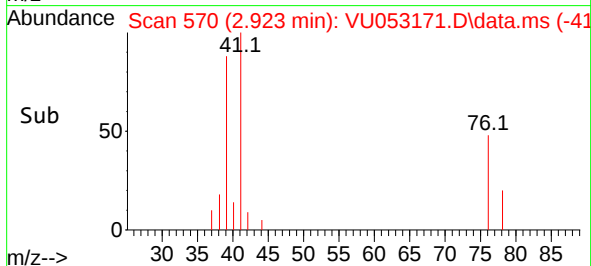
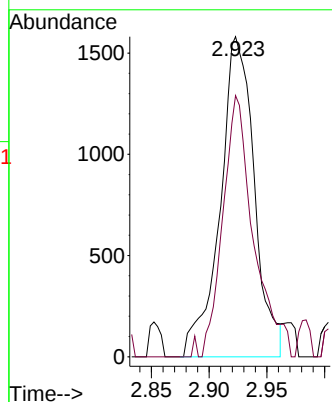
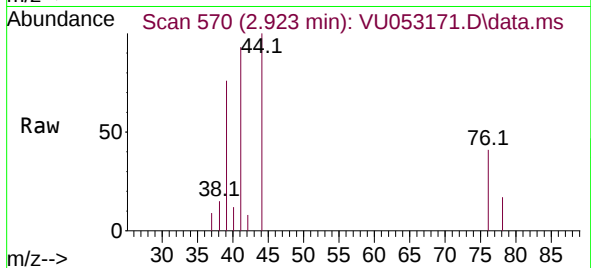
LOQ-WATER-02-QT1-2023

Tgt Ion: 41 Resp: 3256

Ion Ratio Lower Upper

41 100

39 73.1 55.3 82.9



#12

Acrylonitrile

Concen: 0.965 ug/l

RT: 3.318 min Scan# 693

Delta R.T. 0.013 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

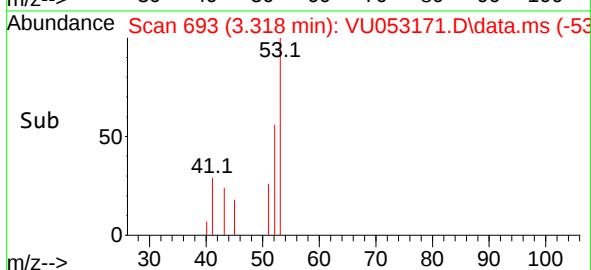
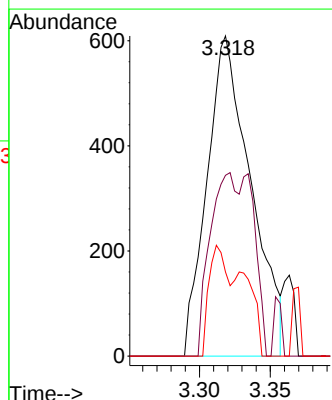
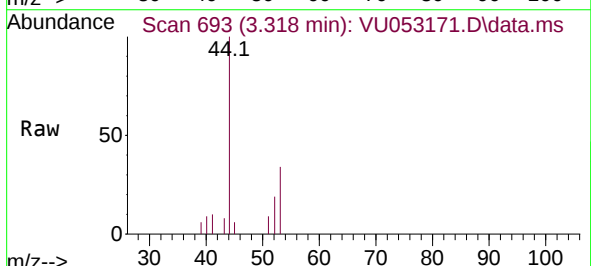
Tgt Ion: 53 Resp: 1310

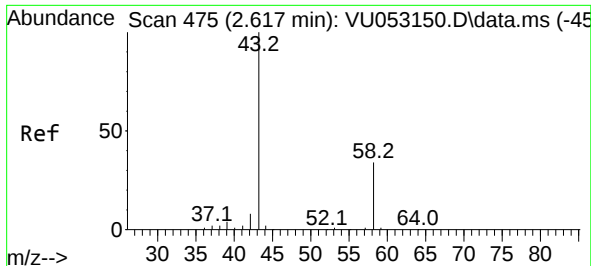
Ion Ratio Lower Upper

53 100

52 37.3 65.9 98.9#

51 14.7 31.8 47.8#





#13

Acetone

Concen: 1.920 ug/l

RT: 2.643 min Scan# 41

Delta R.T. 0.026 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

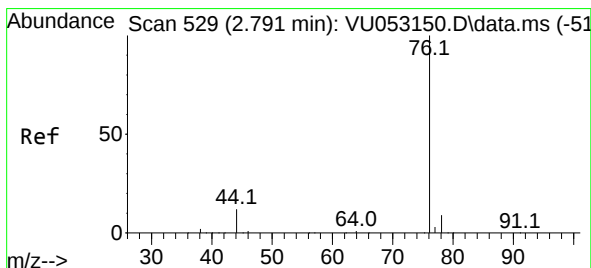
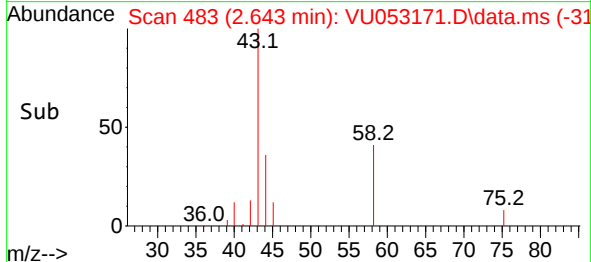
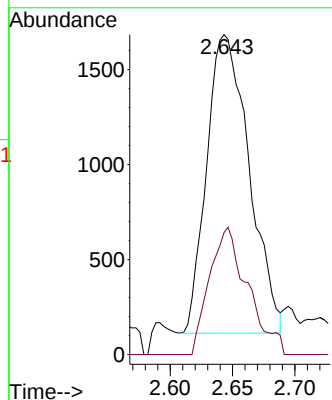
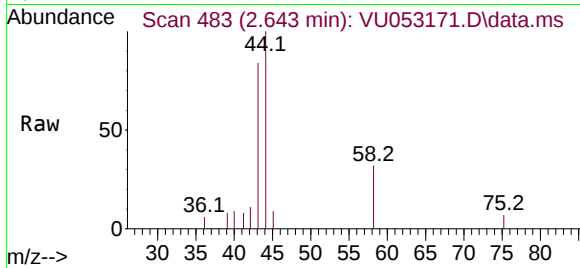
LOQ-WATER-02-QT1-2023

Tgt Ion: 43 Resp: 3725

Ion Ratio Lower Upper

43 100

58 40.9 27.2 40.8#



#14

Carbon Disulfide

Concen: 0.381 ug/l

RT: 2.794 min Scan# 530

Delta R.T. 0.003 min

Lab File: VU053171.D

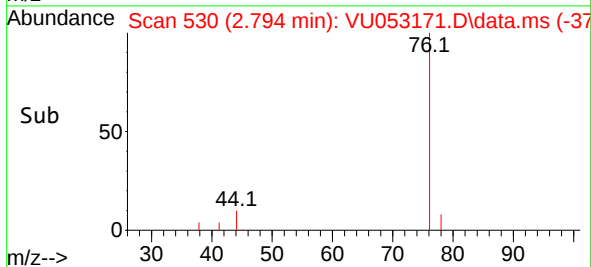
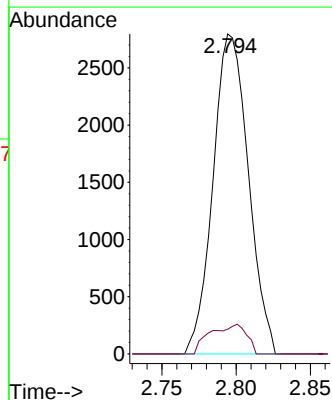
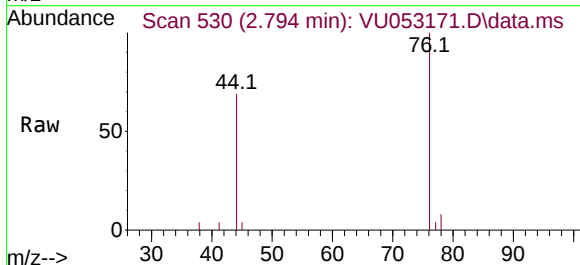
Acq: 28 Feb 2023 14:22

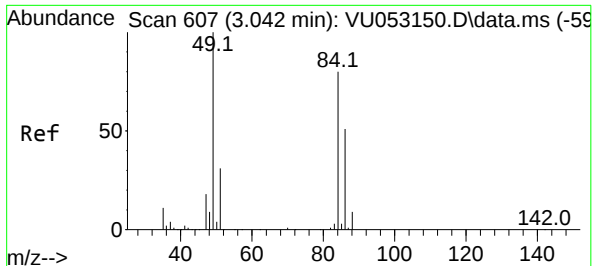
Tgt Ion: 76 Resp: 4630

Ion Ratio Lower Upper

76 100

78 7.8 7.2 10.8

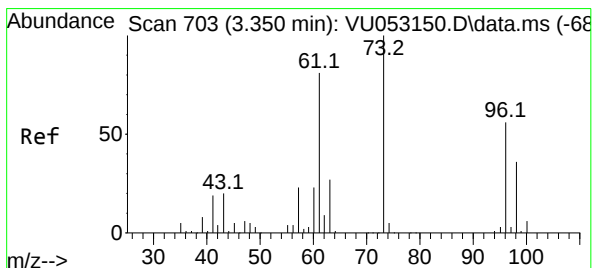
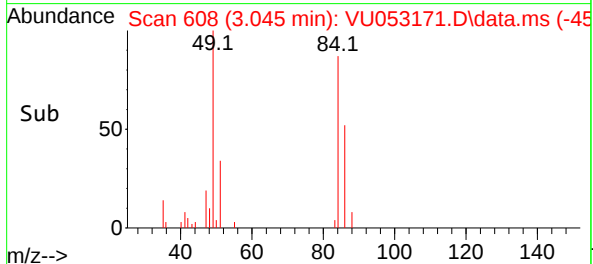
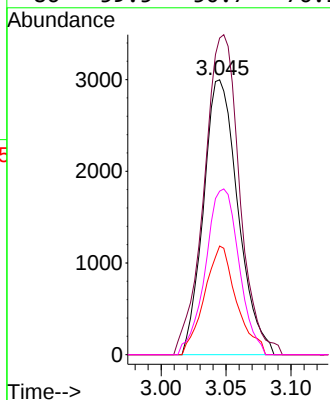
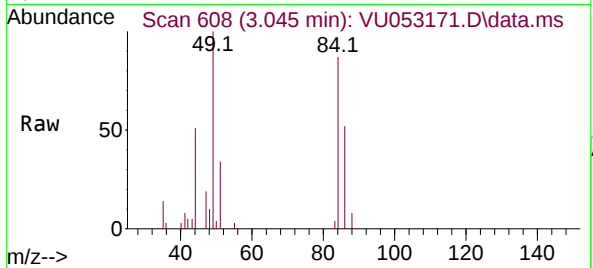




#15
Methylene Chloride
Concen: 0.730 ug/l
RT: 3.045 min Scan# 607
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

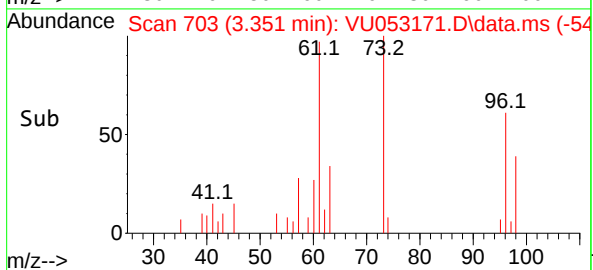
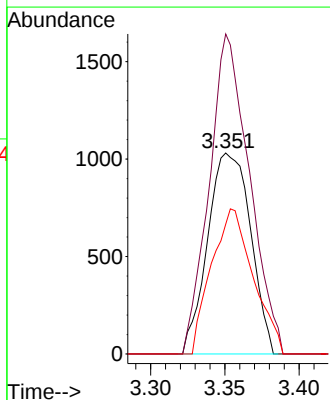
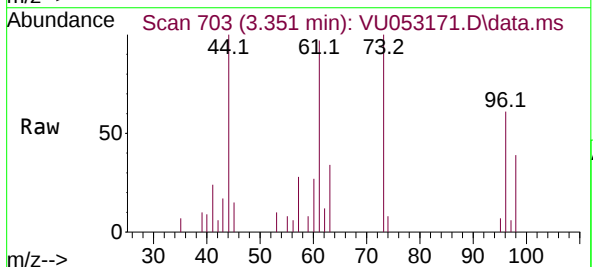
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

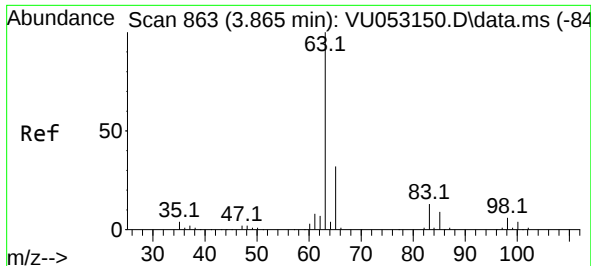
Tgt Ion: 84	Resp: 5530
Ion Ratio	Lower Upper
84	100
49	111.8 99.5 149.3
51	39.5 0.0 76.8
86	59.5 50.7 76.1



#16
trans-1,2-Dichloroethene
Concen: 0.356 ug/l
RT: 3.351 min Scan# 703
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion: 96	Resp: 2074
Ion Ratio	Lower Upper
96	100
61	159.3 116.1 174.1
98	64.6 51.4 77.2





#17

1,1-Dichloroethane

Concen: 0.383 ug/l

RT: 3.868 min Scan# 8

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

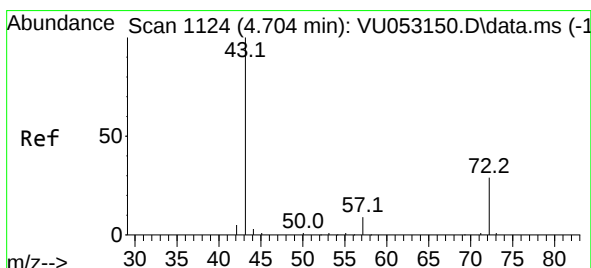
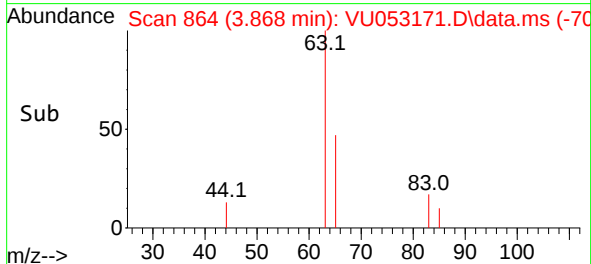
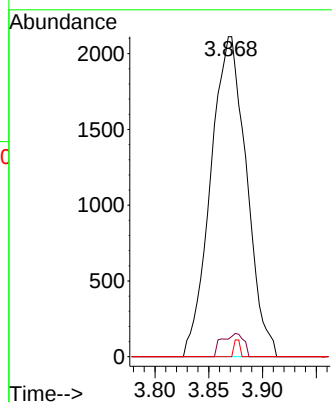
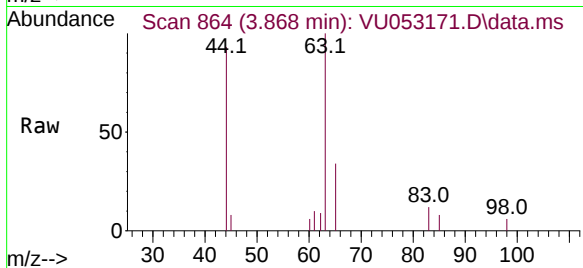
Tgt Ion: 63 Resp: 4883

Ion Ratio Lower Upper

63 100

98 5.5 3.1 9.4

100 0.0 2.1 6.2#



#18

2-Butanone

Concen: 2.080 ug/l

RT: 4.723 min Scan# 1130

Delta R.T. 0.019 min

Lab File: VU053171.D

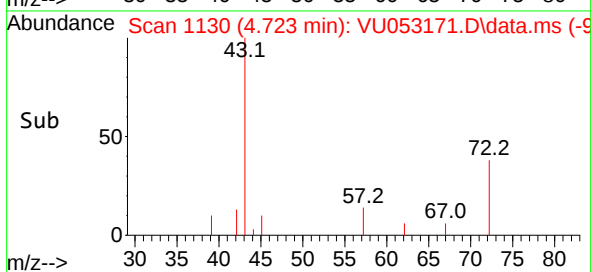
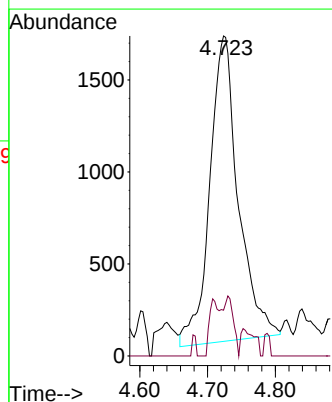
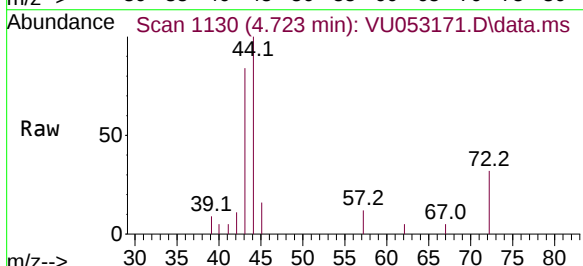
Acq: 28 Feb 2023 14:22

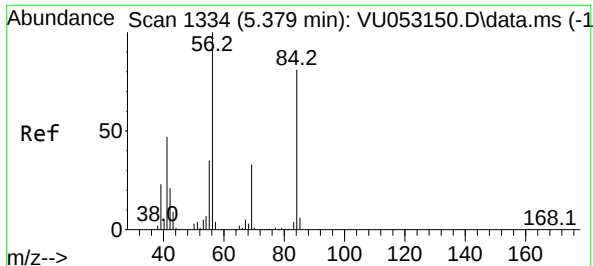
Tgt Ion: 43 Resp: 4844

Ion Ratio Lower Upper

43 100

57 15.4 0.0 17.6





#19

Cyclohexane

Concen: 0.357 ug/l

RT: 5.386 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

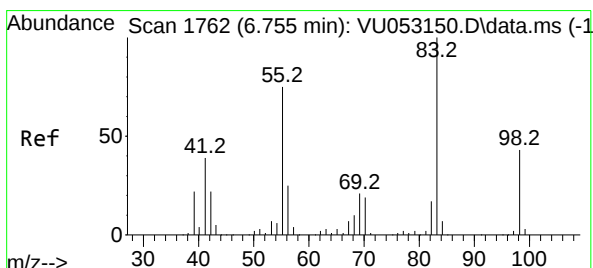
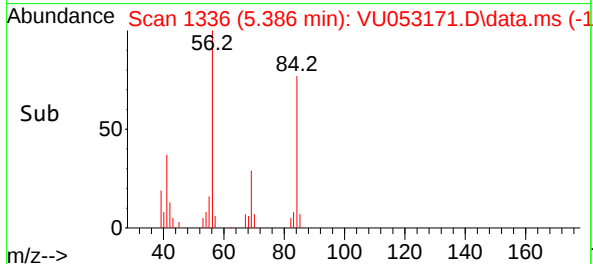
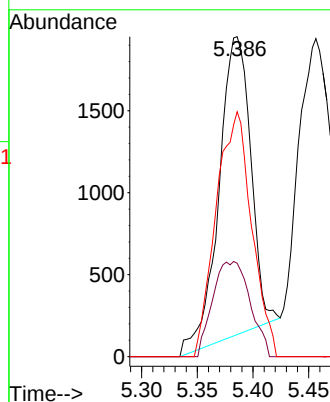
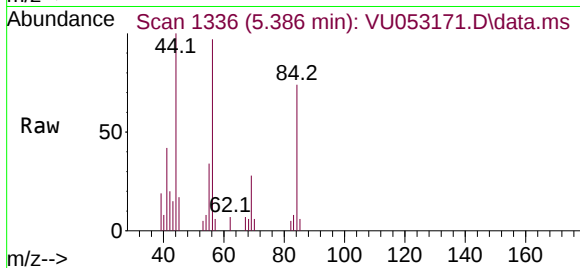
Tgt Ion: 56 Resp: 3631

Ion Ratio Lower Upper

56 100

69 37.2 26.1 39.1

84 91.3 64.7 97.1



#20

Methylcyclohexane

Concen: 0.378 ug/l

RT: 6.762 min Scan# 1764

Delta R.T. 0.007 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

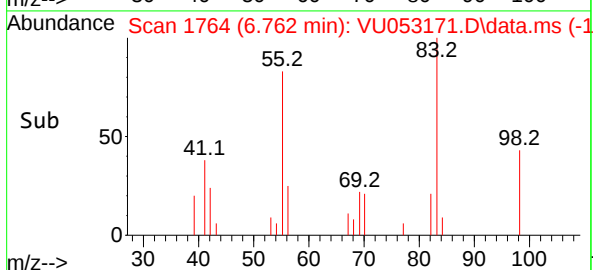
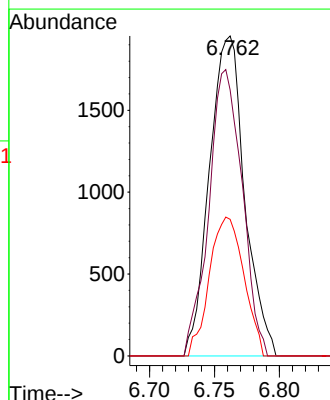
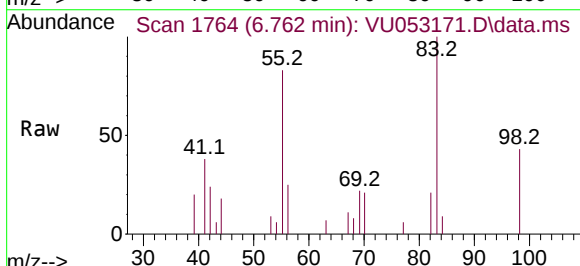
Tgt Ion: 83 Resp: 3690

Ion Ratio Lower Upper

83 100

55 84.5 60.2 90.2

98 42.3 33.9 50.9





#21

2,2-Dichloropropane

Concen: 0.419 ug/l

RT: 4.659 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

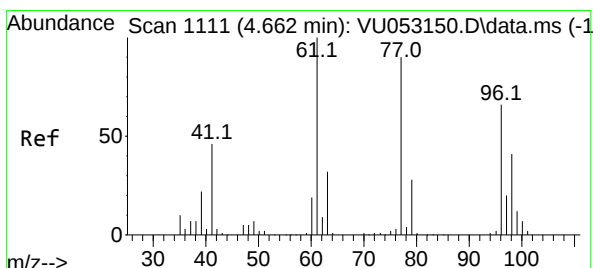
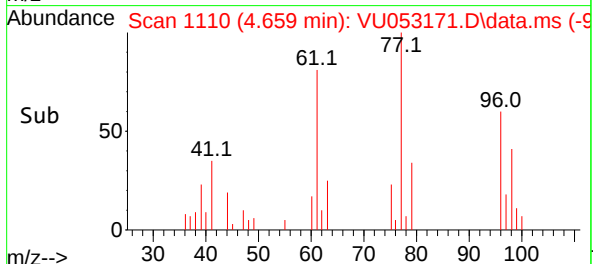
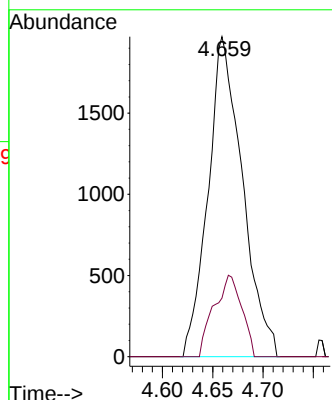
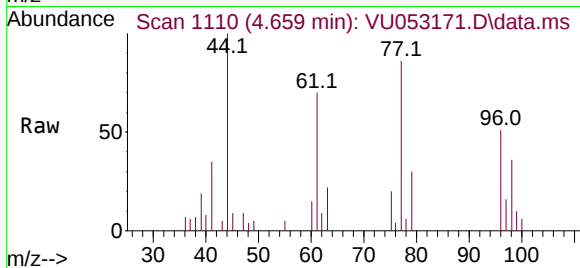
LOQ-WATER-02-QT1-2023

Tgt Ion: 77 Resp: 4682

Ion Ratio Lower Upper

77 100

97 20.5 17.9 26.9



#22

cis-1,2-Dichloroethene

Concen: 0.381 ug/l

RT: 4.666 min Scan# 1112

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

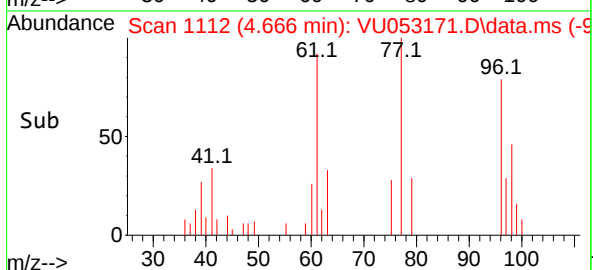
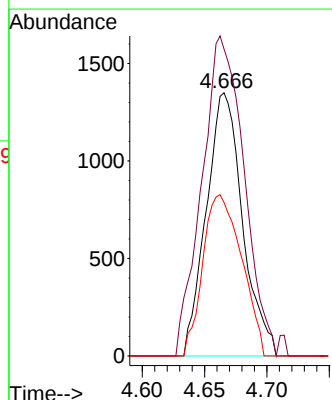
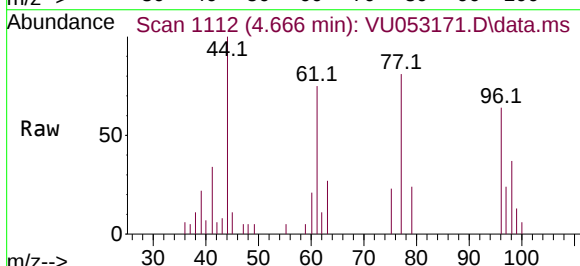
Tgt Ion: 96 Resp: 2736

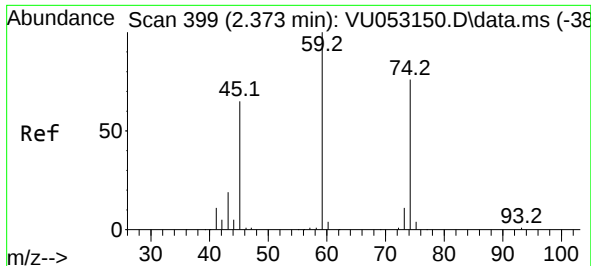
Ion Ratio Lower Upper

96 100

61 140.9 0.0 390.5

98 65.4 31.9 95.9





#23

Diethyl Ether

Concen: 0.386 ug/l

RT: 2.379 min Scan# 401

Delta R.T. 0.006 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

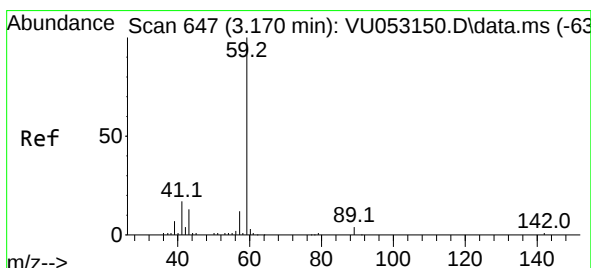
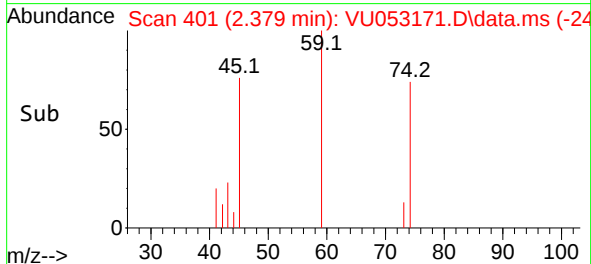
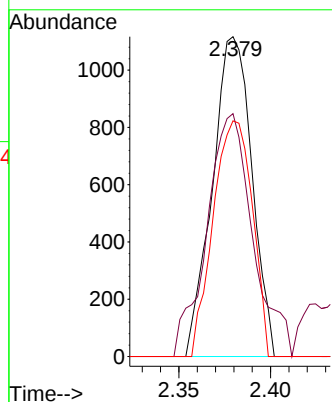
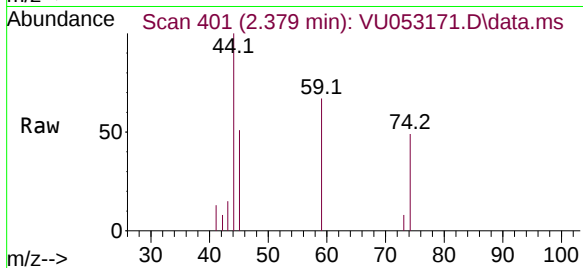
Tgt Ion: 59 Resp: 1674

Ion Ratio Lower Upper

59 100

45 88.5 54.2 81.2#

74 73.1 60.4 90.6



#24

tert-Butyl Alcohol

Concen: 1.276 ug/l

RT: 3.215 min Scan# 661

Delta R.T. 0.045 min

Lab File: VU053171.D

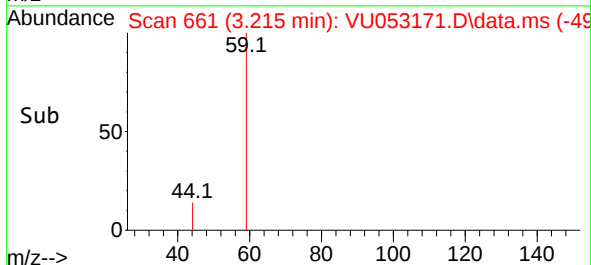
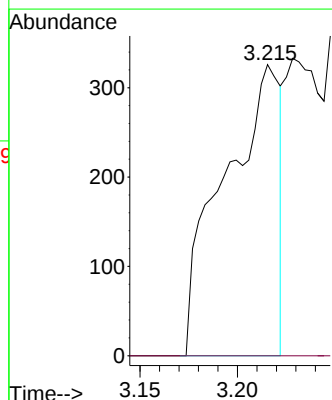
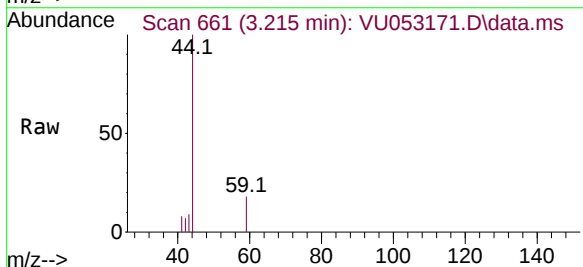
Acq: 28 Feb 2023 14:22

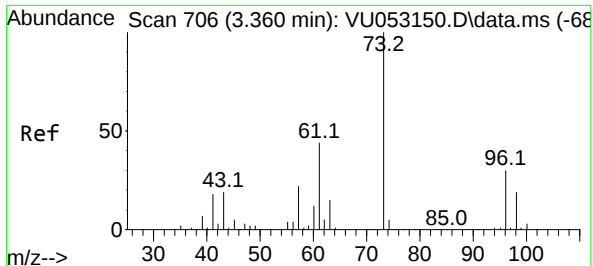
Tgt Ion: 59 Resp: 650

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

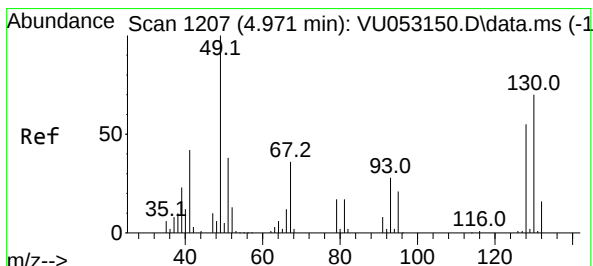
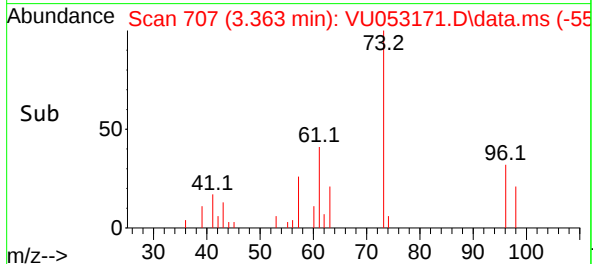
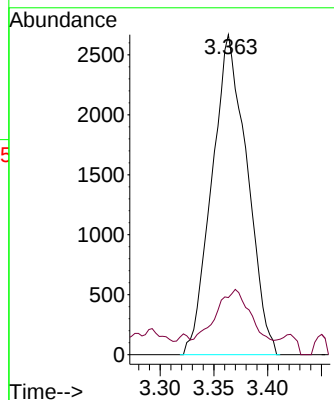
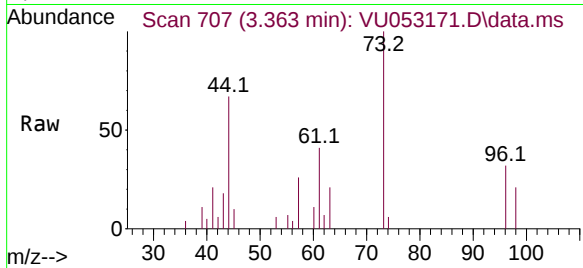




#25
Methyl tert-Butyl Ether
Concen: 0.393 ug/l
RT: 3.363 min Scan# 706
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

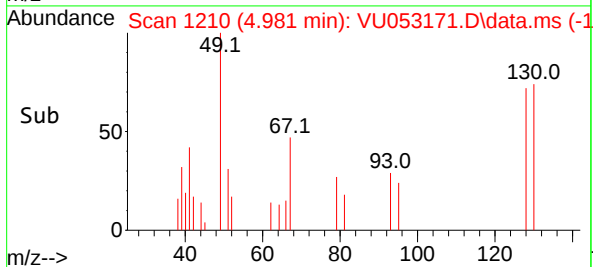
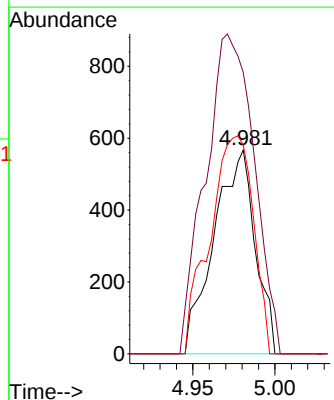
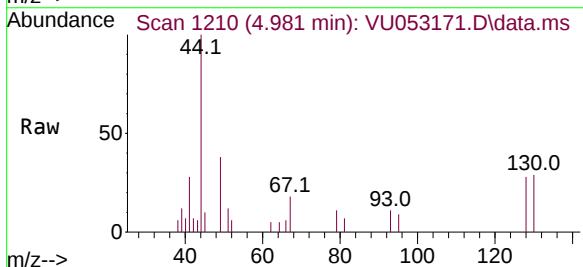
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 73 Resp: 6055
Ion Ratio Lower Upper
73 100
43 14.3 15.0 22.6#



#26
Bromochloromethane
Concen: 0.357 ug/l
RT: 4.981 min Scan# 1210
Delta R.T. 0.010 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion: 128 Resp: 992
Ion Ratio Lower Upper
128 100
49 185.2 0.0 376.8
130 113.3 104.8 157.2





#27

Chloroform

Concen: 0.403 ug/l

RT: 5.087 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

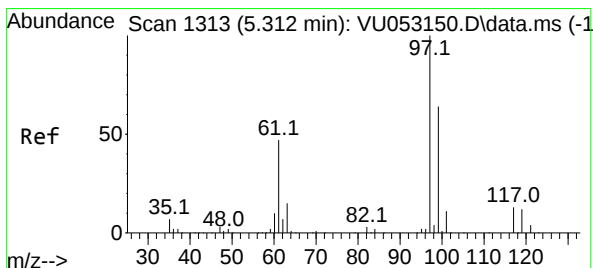
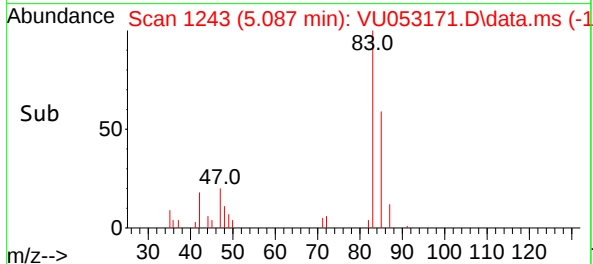
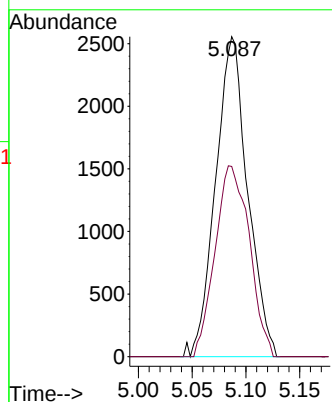
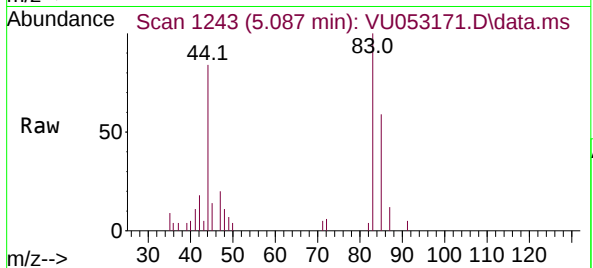
LOQ-WATER-02-QT1-2023

Tgt Ion: 83 Resp: 5291

Ion Ratio Lower Upper

83 100

85 59.5 0.0 129.2



#28

1,1,1-Trichloroethane

Concen: 0.358 ug/l

RT: 5.312 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

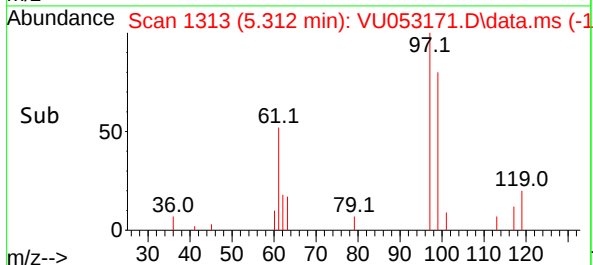
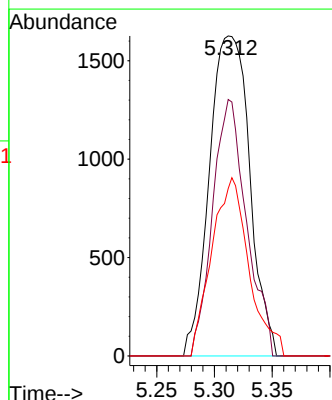
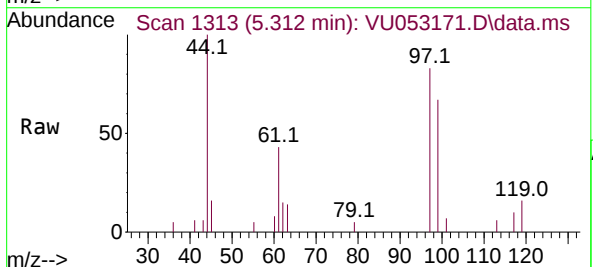
Tgt Ion: 97 Resp: 3954

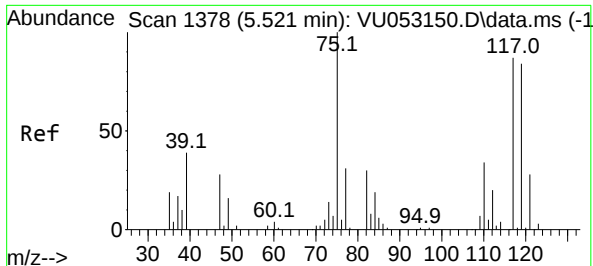
Ion Ratio Lower Upper

97 100

99 67.5 31.6 94.8

61 51.4 23.9 71.7





#29

1,1-Dichloropropene

Concen: 0.398 ug/l

RT: 5.527 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

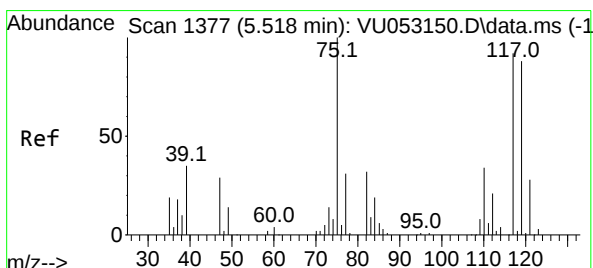
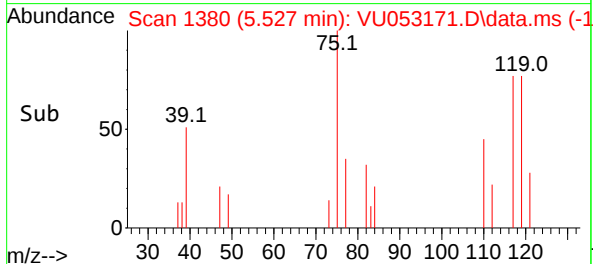
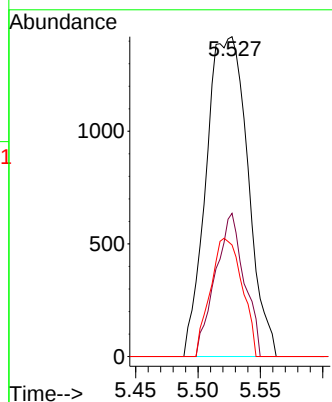
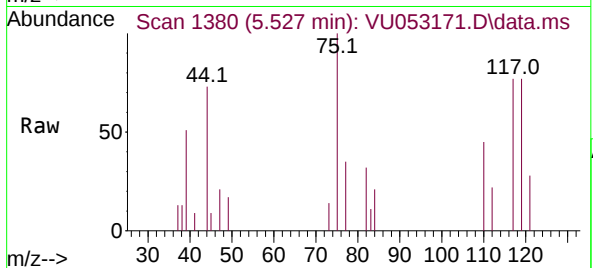
Tgt Ion: 75 Resp: 3293

Ion Ratio Lower Upper

75 100

110 31.2 16.3 48.8

77 28.1 24.9 37.3



#30

Carbon Tetrachloride

Concen: 0.354 ug/l

RT: 5.521 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

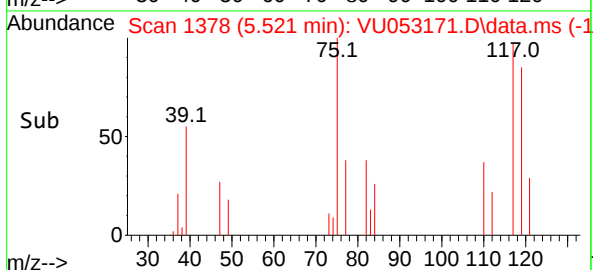
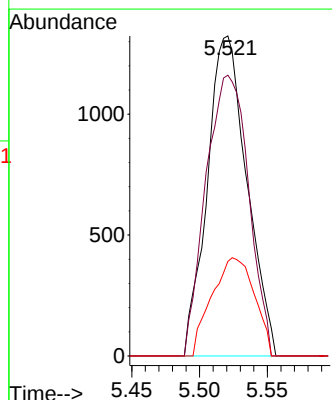
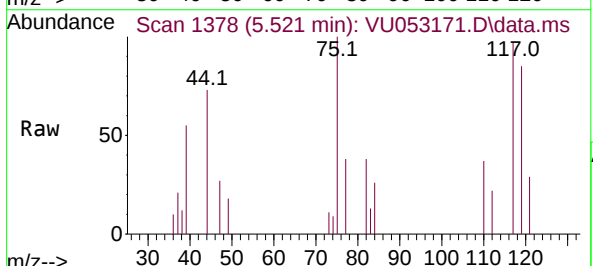
Tgt Ion: 117 Resp: 2692

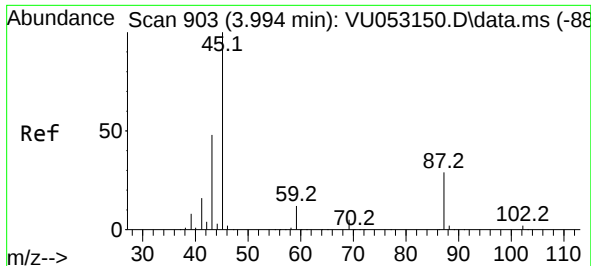
Ion Ratio Lower Upper

117 100

119 87.8 76.2 114.2

121 29.5 24.6 36.8

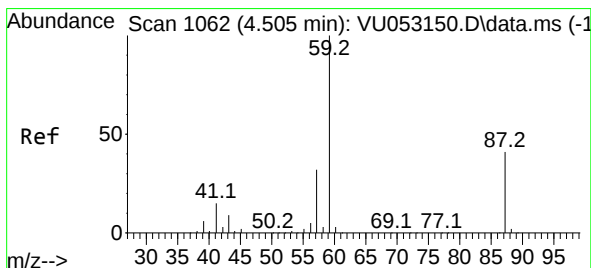
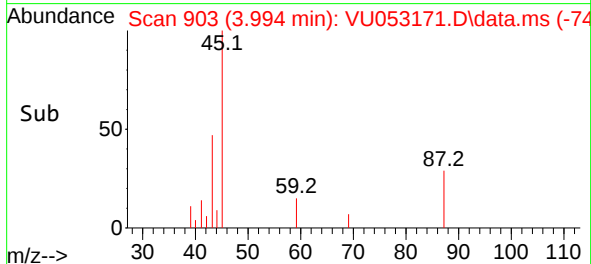
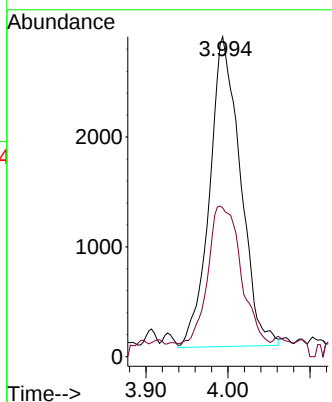
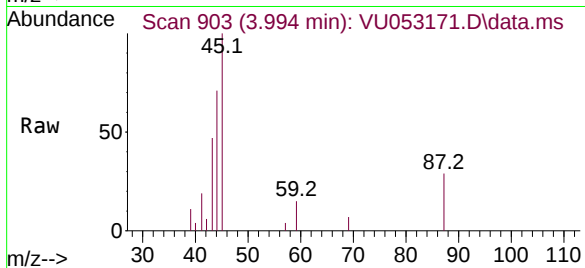




#31
Isopropyl Ether
Concen: 0.362 ug/l
RT: 3.994 min Scan# 903
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

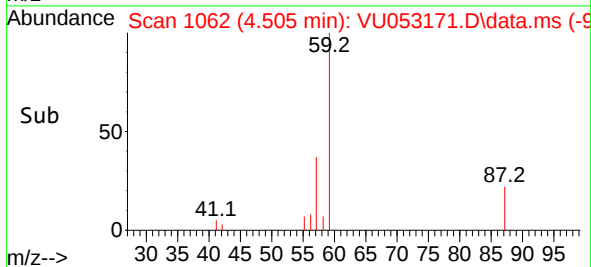
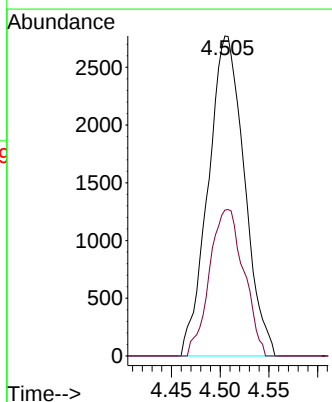
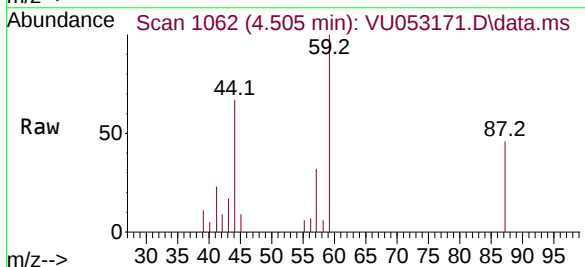
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

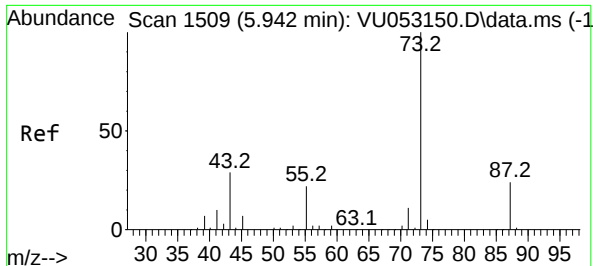
Tgt Ion: 45 Resp: 7367
Ion Ratio Lower Upper
45 100
43 45.8 24.4 73.2



#32
Ethyl-t-butyl ether
Concen: 0.370 ug/l
RT: 4.505 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion: 59 Resp: 7135
Ion Ratio Lower Upper
59 100
87 43.6 32.5 48.7

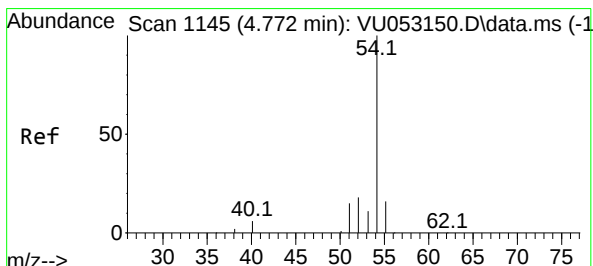
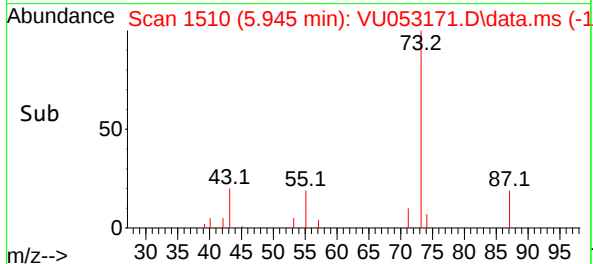
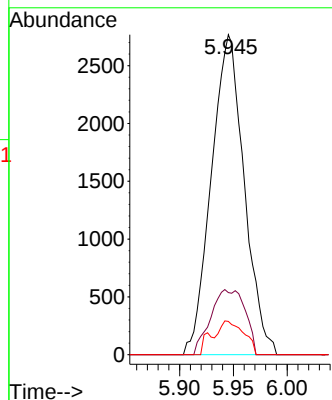
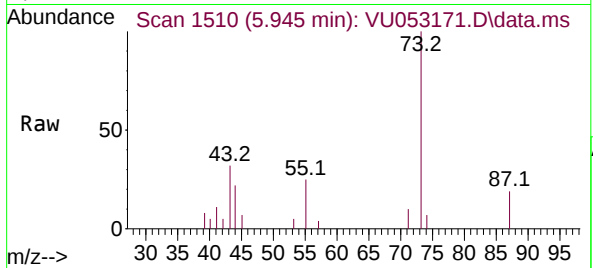




#33
Tert-Amyl methyl ether
Concen: 0.384 ug/l
RT: 5.945 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

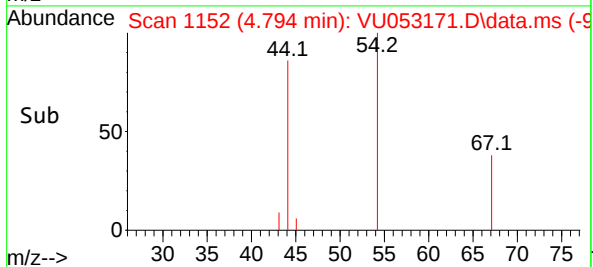
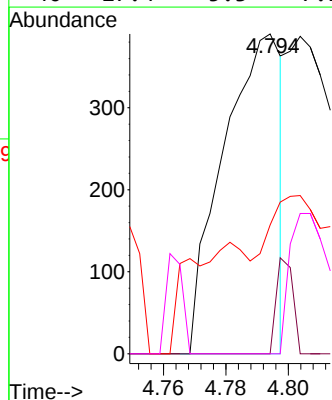
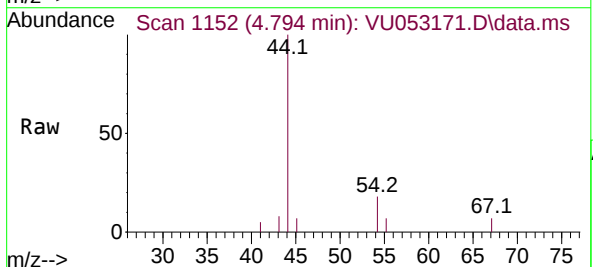
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

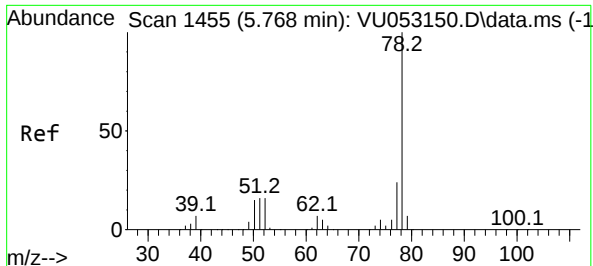
Tgt Ion: 73 Resp: 5877
Ion Ratio Lower Upper
73 100
87 21.3 19.0 28.4
71 5.0 9.2 13.8#



#34
Propionitrile
Concen: 0.930 ug/l
RT: 4.794 min Scan# 1152
Delta R.T. 0.023 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion: 54 Resp: 504
Ion Ratio Lower Upper
54 100
52 8.5 16.5 24.7#
55 32.5 11.4 17.2#
40 27.4 5.3 7.9#





#35

Benzene

Concen: 0.403 ug/l

RT: 5.772 min Scan# 1455

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

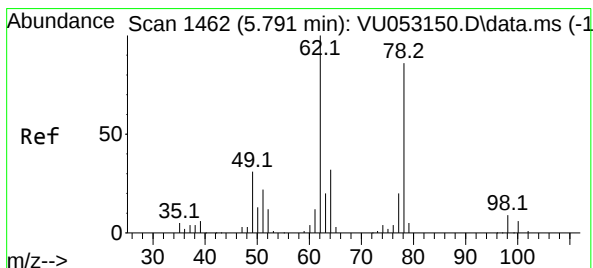
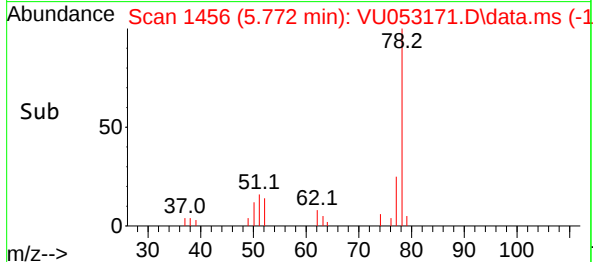
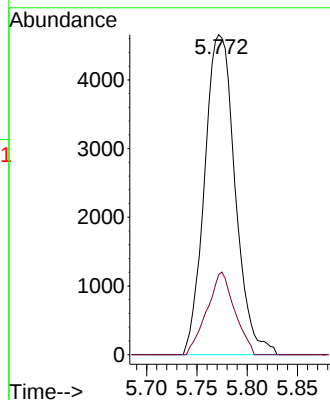
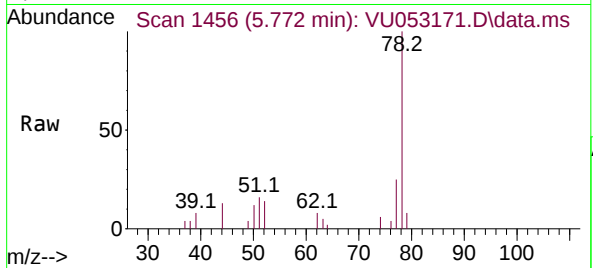
LOQ-WATER-02-QT1-2023

Tgt Ion: 78 Resp: 9842

Ion Ratio Lower Upper

78 100

77 25.1 18.9 28.3



#36

1,2-Dichloroethane

Concen: 0.402 ug/l

RT: 5.797 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VU053171.D

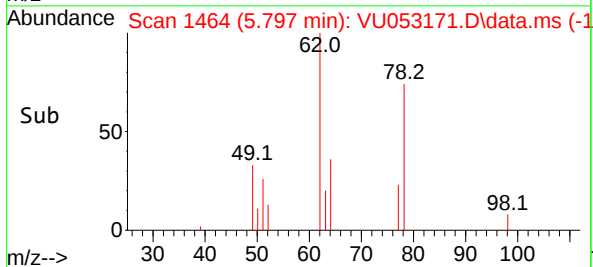
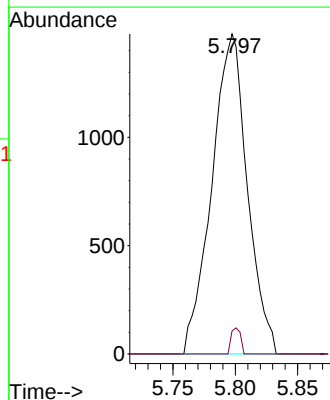
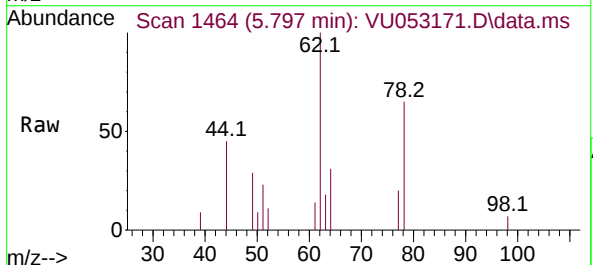
Acq: 28 Feb 2023 14:22

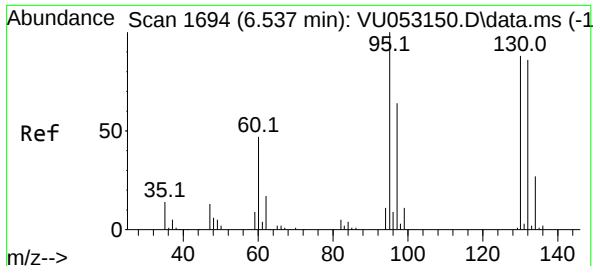
Tgt Ion: 62 Resp: 2929

Ion Ratio Lower Upper

62 100

98 2.2 7.0 10.4#





#37

Trichloroethene

Concen: 0.373 ug/l

RT: 6.543 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

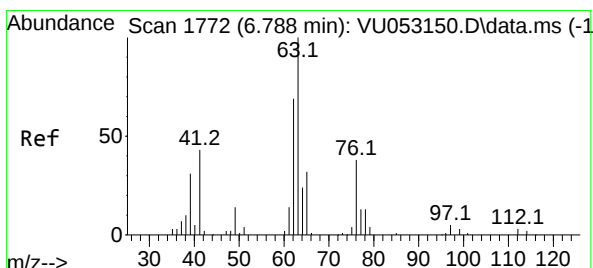
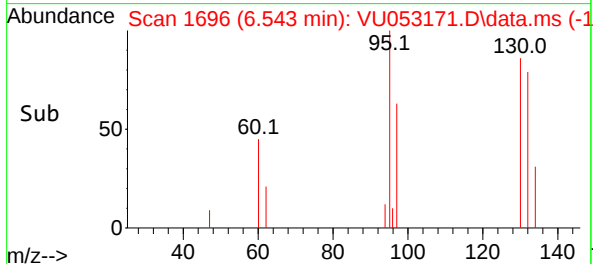
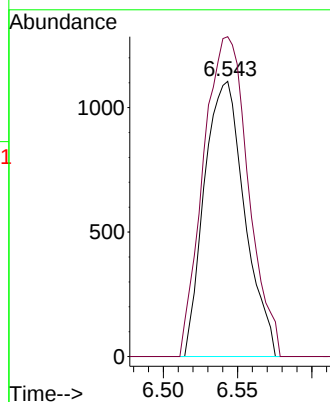
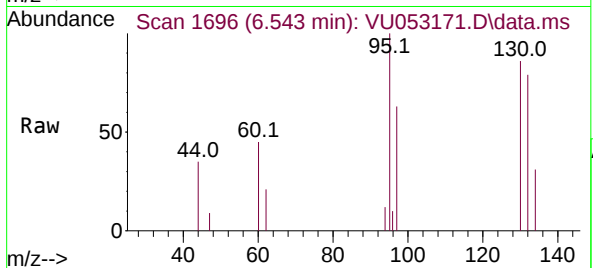
LOQ-WATER-02-QT1-2023

Tgt Ion:130 Resp: 2087

Ion Ratio Lower Upper

130 100

95 116.2 91.1 136.7



#38

1,2-Dichloropropane

Concen: 0.402 ug/l

RT: 6.794 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VU053171.D

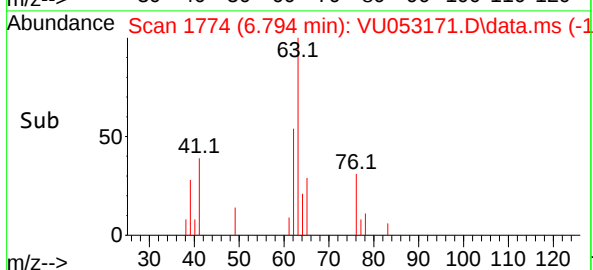
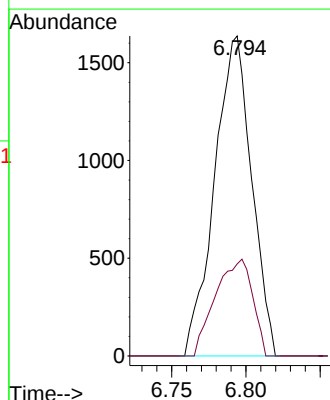
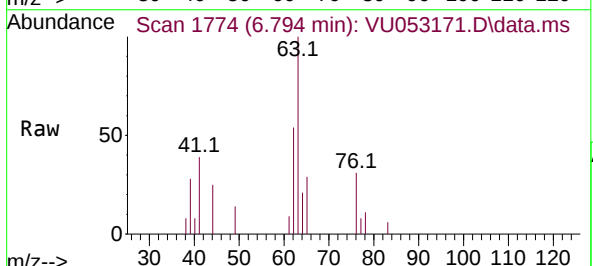
Acq: 28 Feb 2023 14:22

Tgt Ion: 63 Resp: 2837

Ion Ratio Lower Upper

63 100

65 28.8 25.5 38.3





#39

Methacrylonitrile

Concen: 0.628 ug/l

RT: 4.981 min Scan# 1170

Delta R.T. 0.006 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 41 Resp: 1452

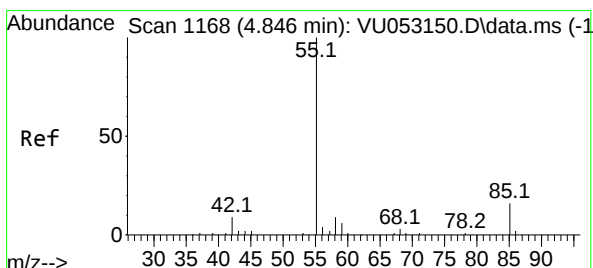
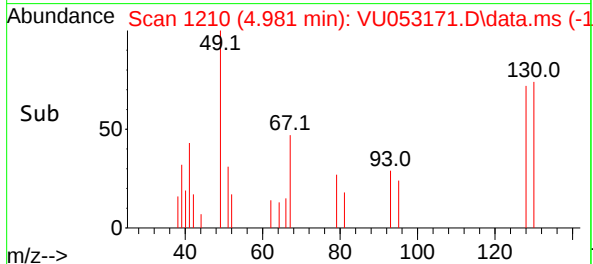
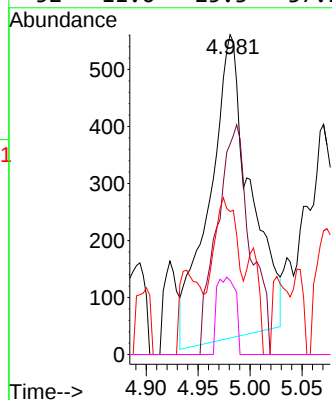
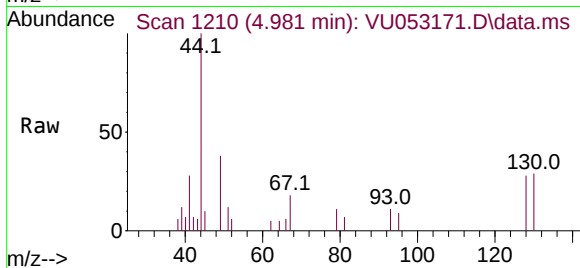
Ion Ratio Lower Upper

41 100

67 61.6 67.1 100.7#

39 20.5 42.6 64.0#

52 11.6 25.3 37.9#



#40

Methyl acrylate

Concen: 0.395 ug/l

RT: 4.855 min Scan# 1171

Delta R.T. 0.010 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Tgt Ion: 55 Resp: 1410

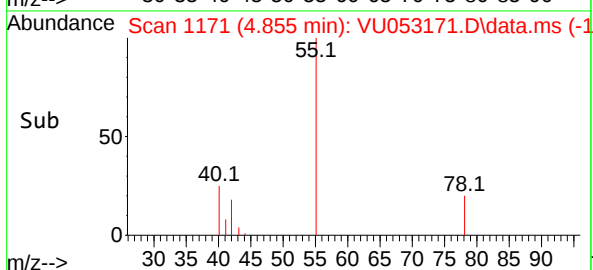
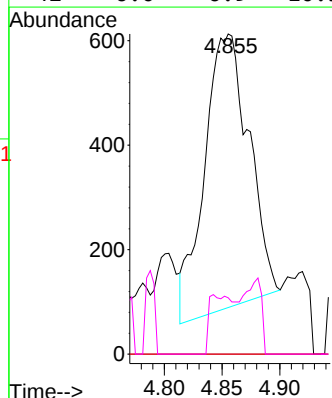
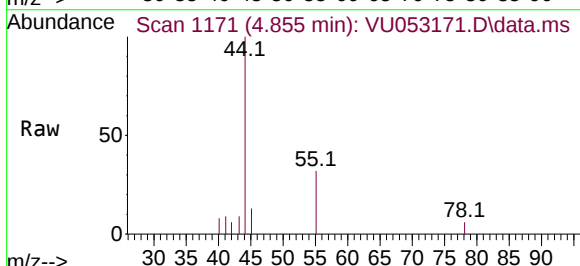
Ion Ratio Lower Upper

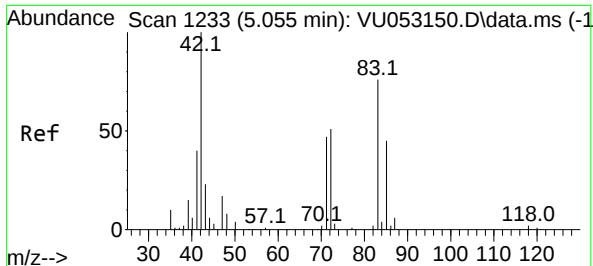
55 100

85 0.0 13.5 20.3#

58 0.0 7.3 10.9#

42 6.0 6.9 10.3#





#41

Tetrahydrofuran

Concen: 0.700 ug/l

RT: 5.064 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

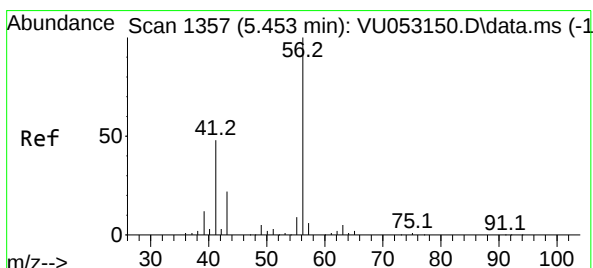
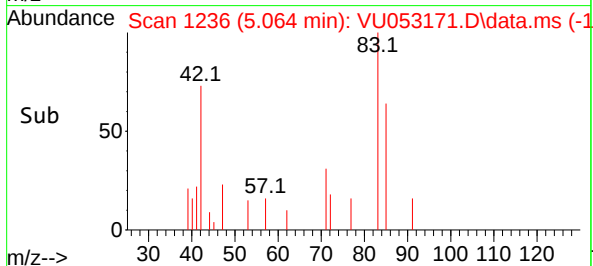
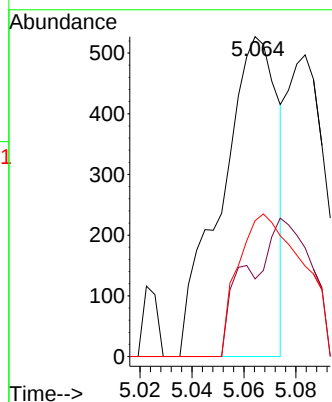
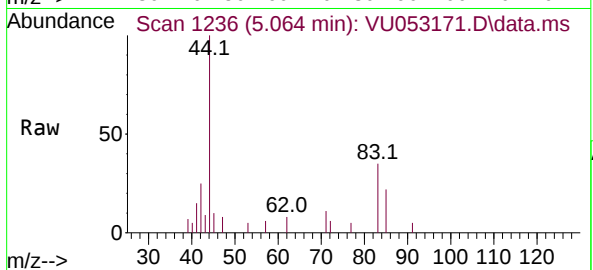
Tgt Ion: 42 Resp: 793

Ion Ratio Lower Upper

42 100

72 47.5 41.6 62.4

71 50.8 37.9 56.9



#42

1-Chlorobutane

Concen: 0.374 ug/l

RT: 5.457 min Scan# 1358

Delta R.T. 0.003 min

Lab File: VU053171.D

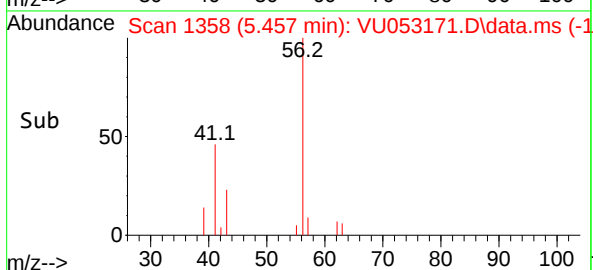
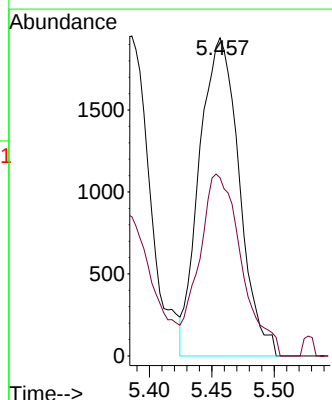
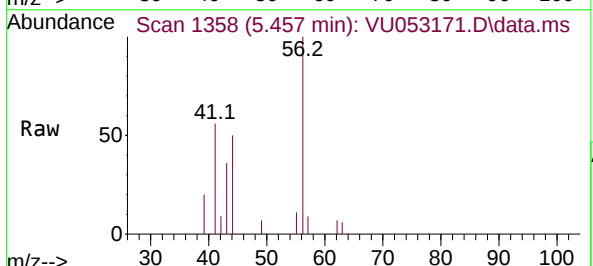
Acq: 28 Feb 2023 14:22

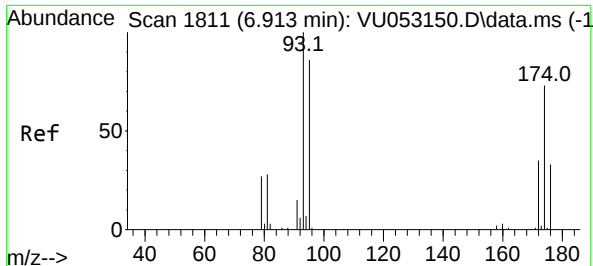
Tgt Ion: 56 Resp: 4305

Ion Ratio Lower Upper

56 100

41 60.7 23.7 71.1





#43

Dibromomethane

Concen: 0.363 ug/l

RT: 6.916 min Scan# 1811

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

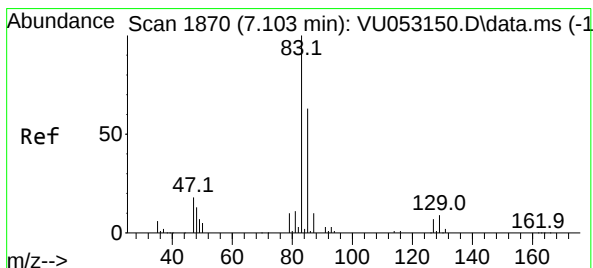
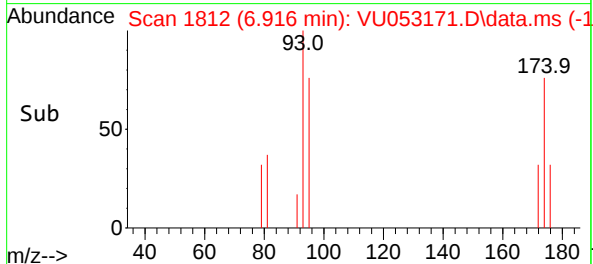
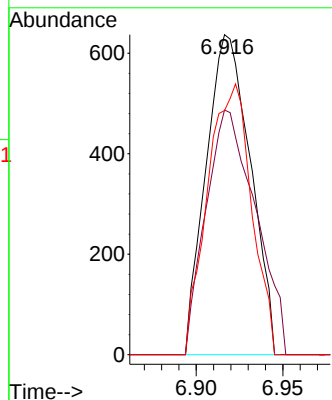
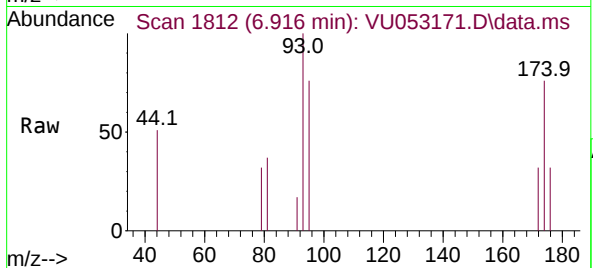
Tgt Ion: 93 Resp: 1135

Ion Ratio Lower Upper

93 100

95 85.6 66.5 99.7

174 83.7 58.2 87.4



#44

Bromodichloromethane

Concen: 0.382 ug/l

RT: 7.106 min Scan# 1871

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

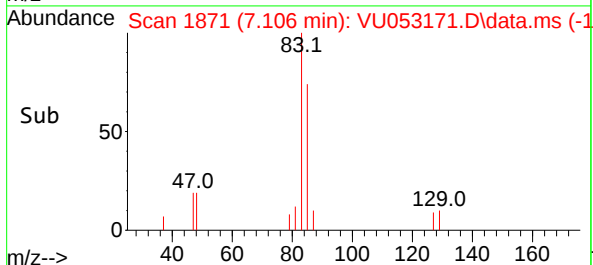
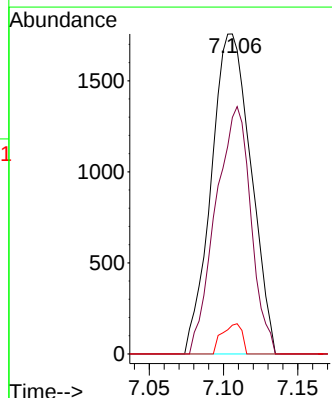
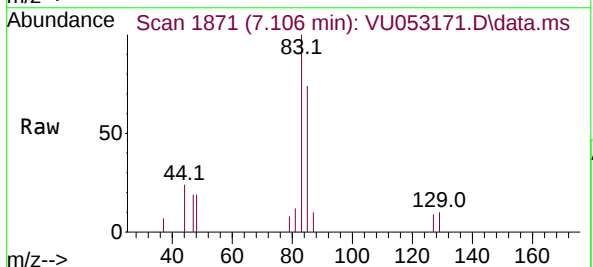
Tgt Ion: 83 Resp: 3264

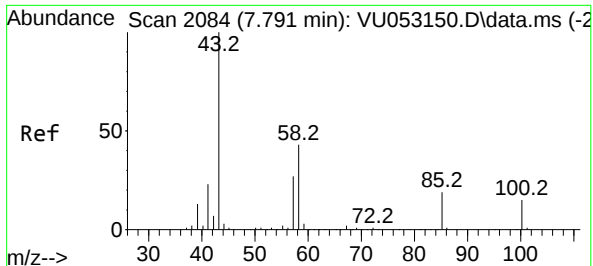
Ion Ratio Lower Upper

83 100

85 73.9 50.6 75.8

127 9.0 5.8 8.8#





#45

4-Methyl-2-Pentanone

Concen: 2.139 ug/l

RT: 7.794 min Scan# 2084

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

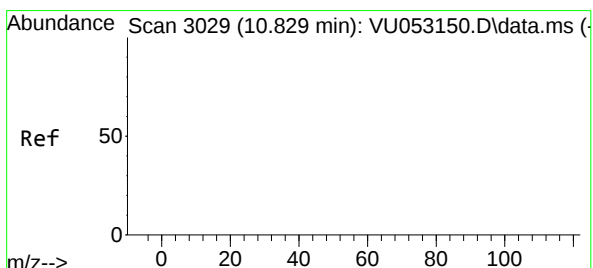
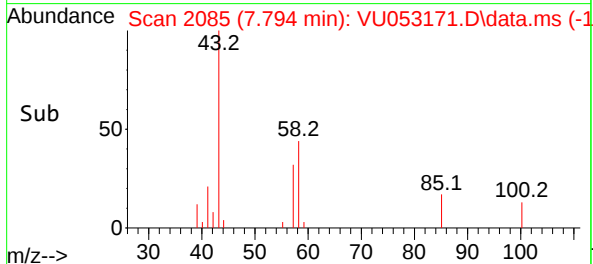
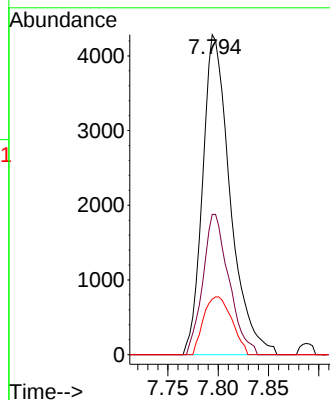
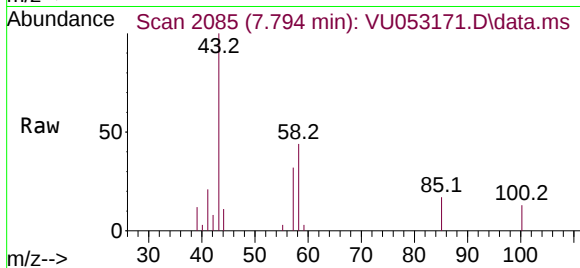
Tgt Ion: 43 Resp: 8167

Ion Ratio Lower Upper

43 100

58 41.5 22.0 66.0

85 18.4 15.7 23.5



#46

t-1,4-Dichloro-2-butene

Concen: 1.462 ug/l

RT: 10.829 min Scan# 3029

Delta R.T. 0.000 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Tgt Ion: 75 Resp: 2813

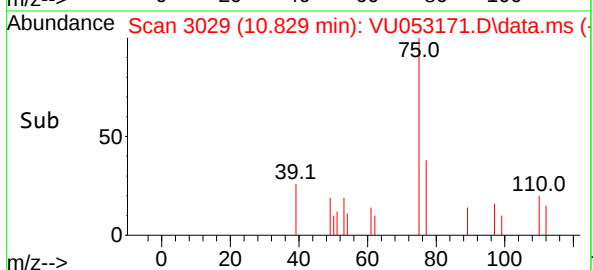
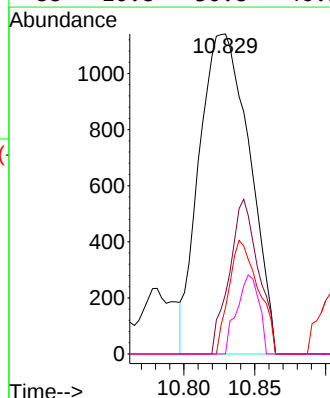
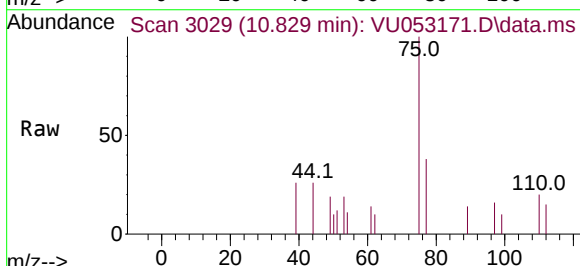
Ion Ratio Lower Upper

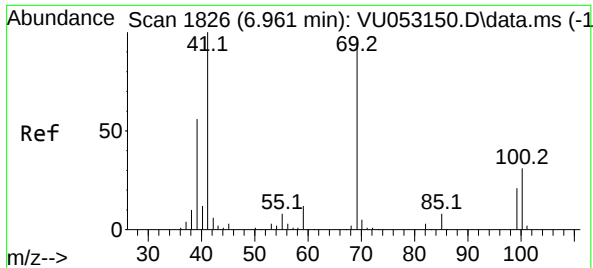
75 100

53 27.9 57.0 85.4#

89 20.8 43.1 64.7#

88 10.8 30.8 46.2#





#47

Methyl methacrylate

Concen: 0.824 ug/l

RT: 6.965 min Scan# 1826

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 69 Resp: 2651

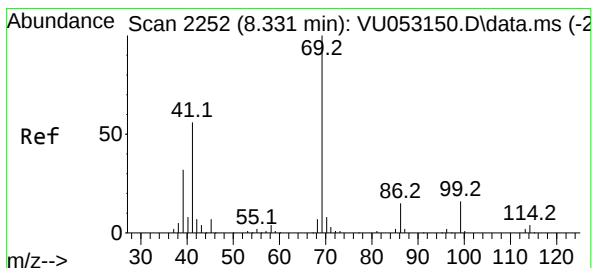
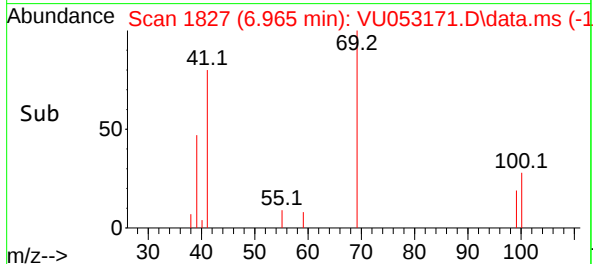
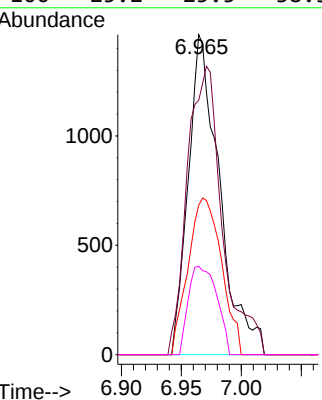
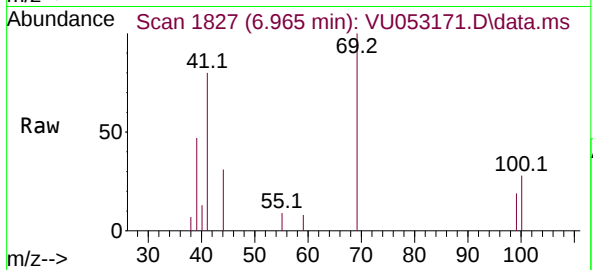
Ion Ratio Lower Upper

69 100

41 100.5 0.0 201.0

39 52.3 47.1 70.7

100 25.2 25.5 38.3#



#48

Ethyl methacrylate

Concen: 0.384 ug/l

RT: 8.337 min Scan# 2254

Delta R.T. 0.007 min

Lab File: VU053171.D

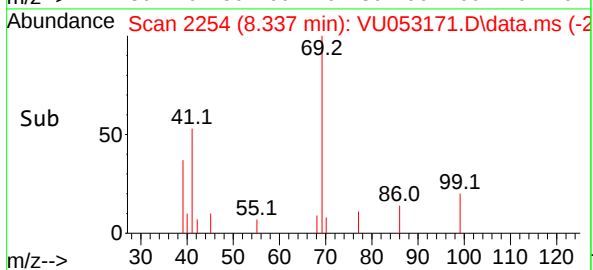
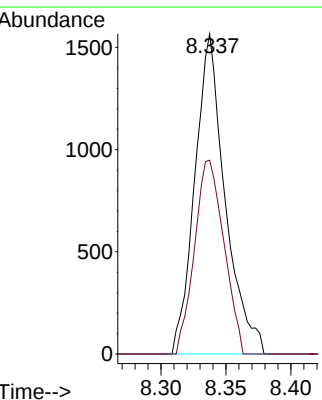
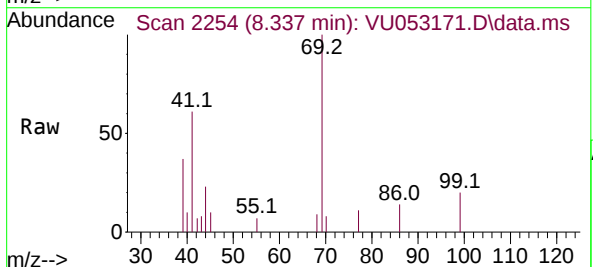
Acq: 28 Feb 2023 14:22

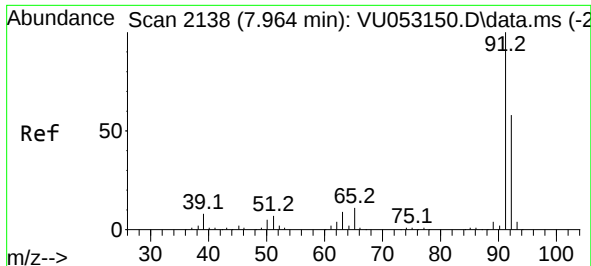
Tgt Ion: 69 Resp: 2535

Ion Ratio Lower Upper

69 100

41 58.7 28.2 84.6





#49

Toluene

Concen: 0.388 ug/l

RT: 7.971 min Scan# 2138

Delta R.T. 0.006 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

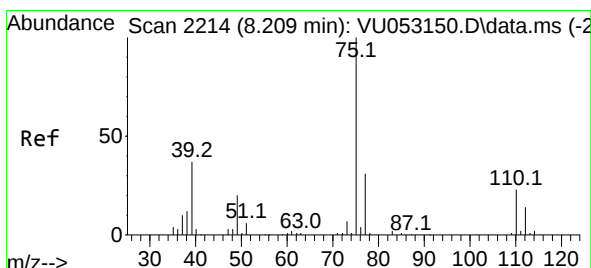
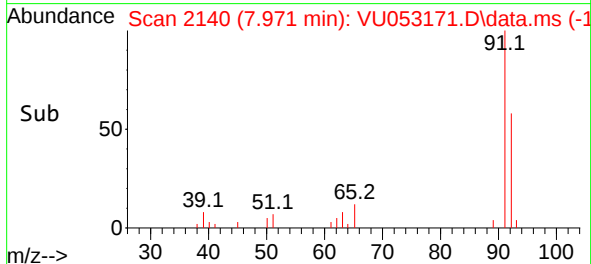
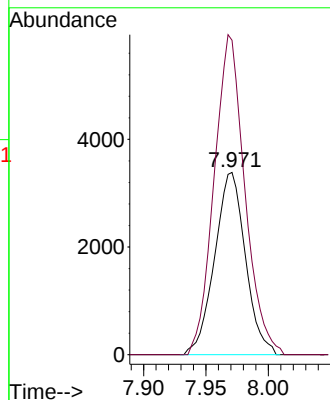
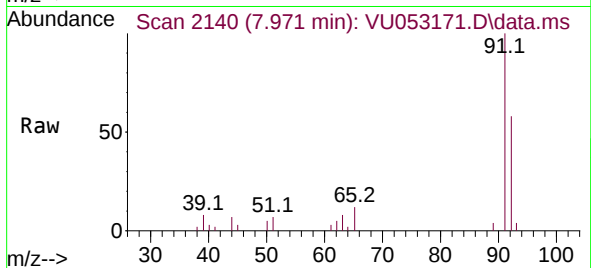
LOQ-WATER-02-QT1-2023

Tgt Ion: 92 Resp: 5833

Ion Ratio Lower Upper

92 100

91 174.7 138.2 207.2



#50

t-1,3-Dichloropropene

Concen: 0.376 ug/l

RT: 8.209 min Scan# 2214

Delta R.T. 0.000 min

Lab File: VU053171.D

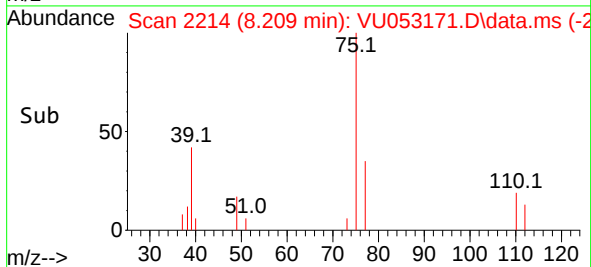
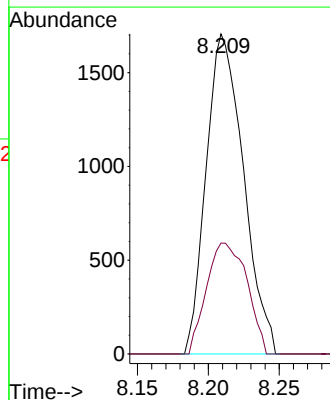
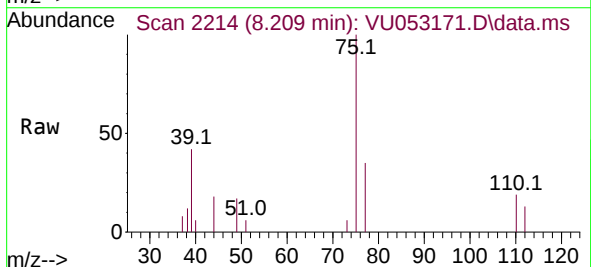
Acq: 28 Feb 2023 14:22

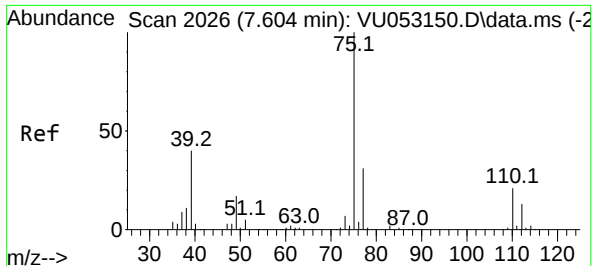
Tgt Ion: 75 Resp: 3121

Ion Ratio Lower Upper

75 100

77 34.6 25.1 37.7





#51

cis-1,3-Dichloropropene

Concen: 0.362 ug/l

RT: 7.608 min Scan# 2026

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

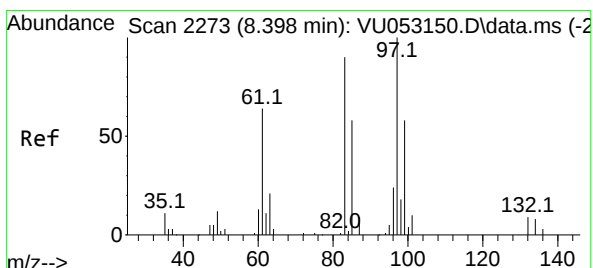
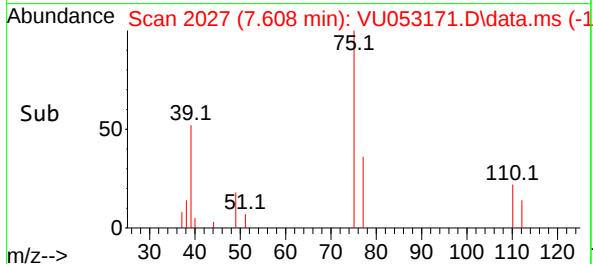
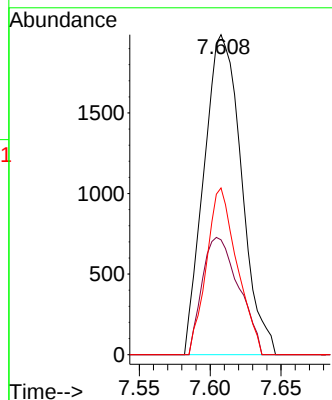
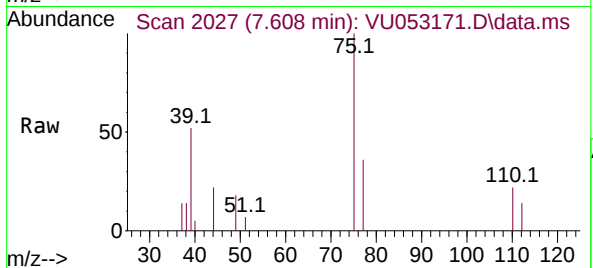
Tgt Ion: 75 Resp: 3651

Ion Ratio Lower Upper

75 100

77 35.9 24.9 37.3

39 52.1 32.2 48.2#



#52

1,1,2-Trichloroethane

Concen: 0.406 ug/l

RT: 8.402 min Scan# 2274

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Tgt Ion: 97 Resp: 1864

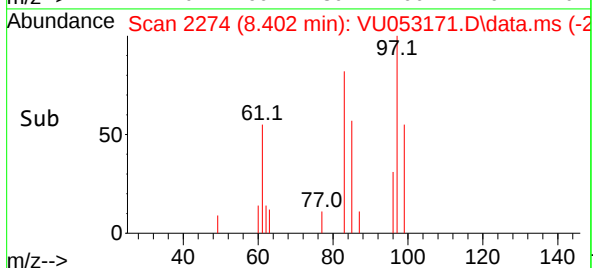
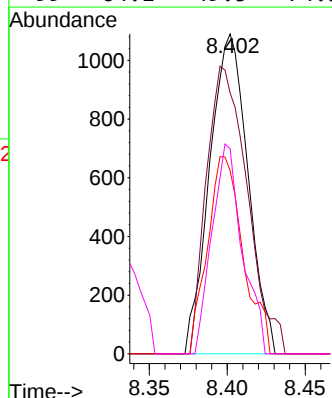
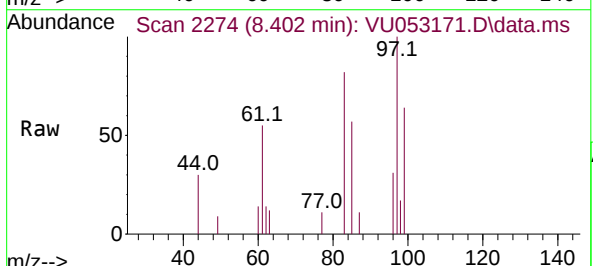
Ion Ratio Lower Upper

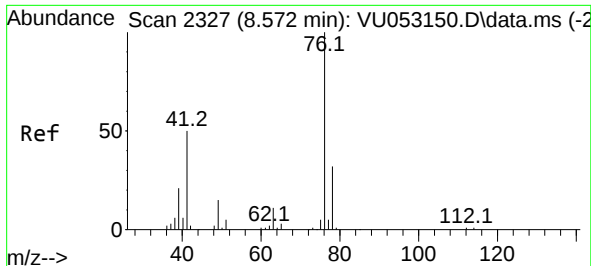
97 100

83 81.6 71.9 107.9

85 57.2 46.5 69.7

99 64.1 49.5 74.3





#53

1,3-Dichloropropane

Concen: 0.415 ug/l

RT: 8.575 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

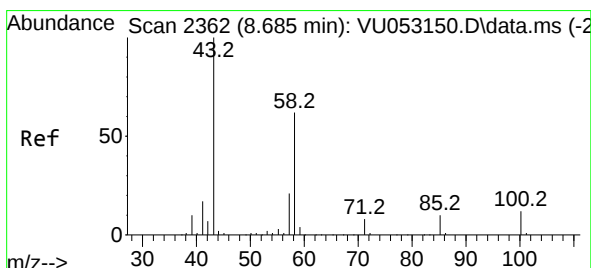
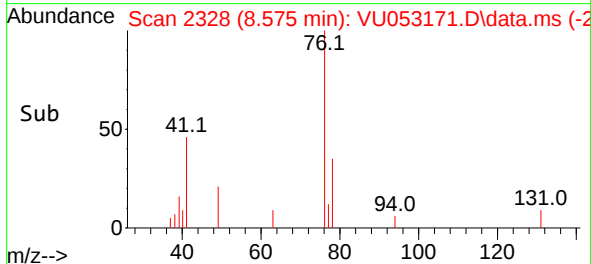
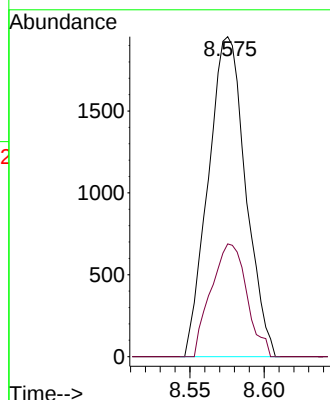
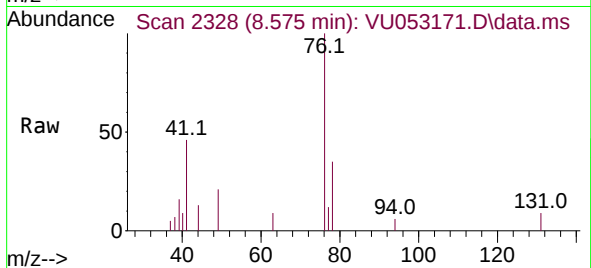
LOQ-WATER-02-QT1-2023

Tgt Ion: 76 Resp: 3421

Ion Ratio Lower Upper

76 100

78 33.6 25.9 38.9



#54

2-Hexanone

Concen: 2.082 ug/l

RT: 8.691 min Scan# 2364

Delta R.T. 0.007 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

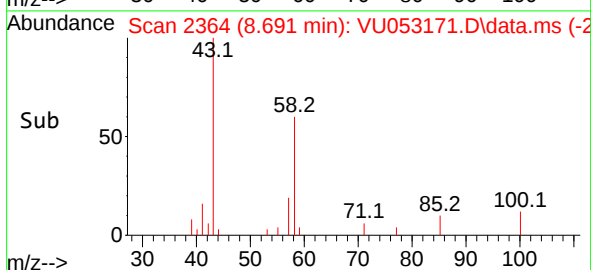
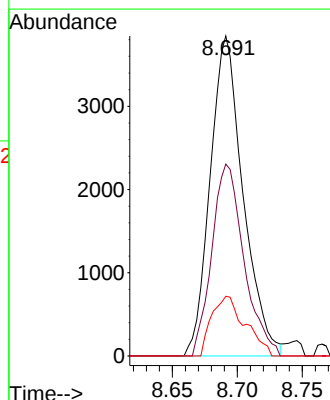
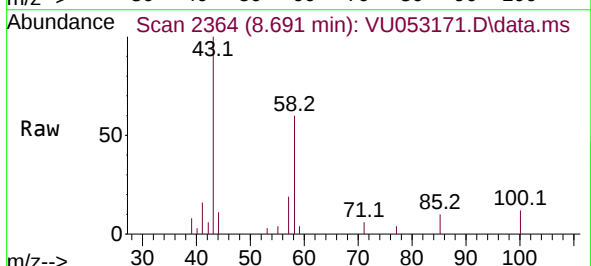
Tgt Ion: 43 Resp: 6775

Ion Ratio Lower Upper

43 100

58 58.4 42.0 82.0

57 19.0 1.2 41.2

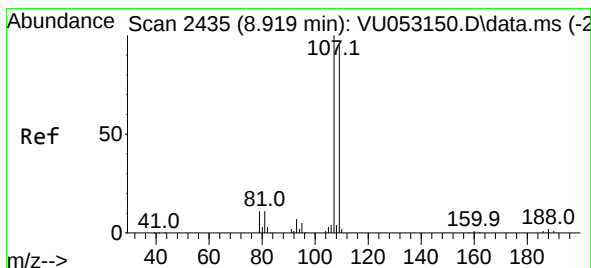
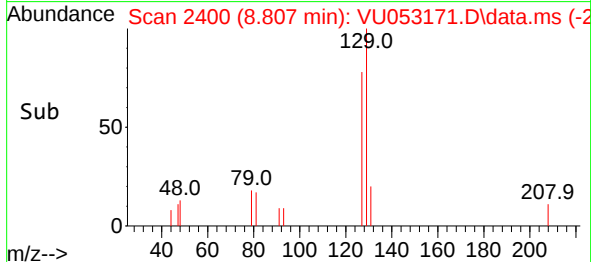
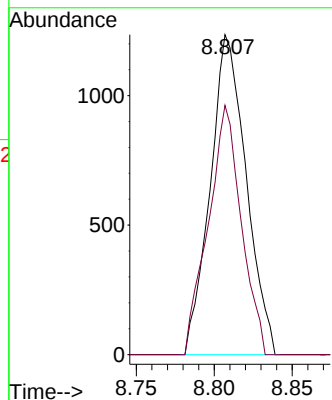
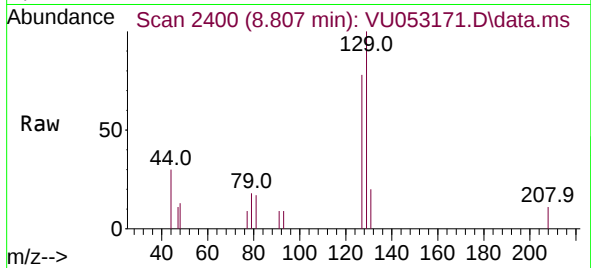




#55
Dibromochloromethane
Concen: 0.378 ug/l
RT: 8.807 min Scan# 2400
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

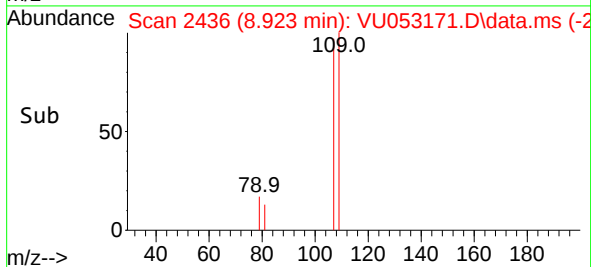
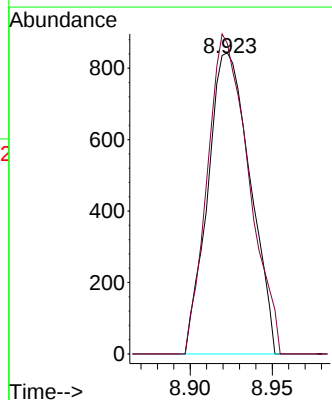
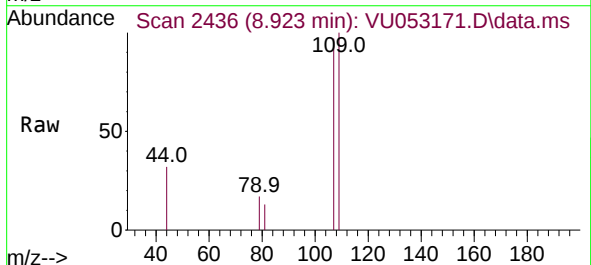
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

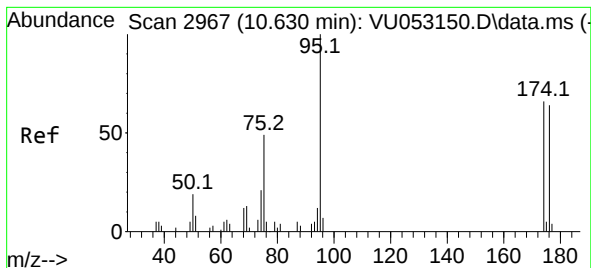
Tgt Ion:129 Resp: 1980
Ion Ratio Lower Upper
129 100
127 71.4 61.1 91.7



#56
1,2-Dibromoethane
Concen: 0.370 ug/l
RT: 8.923 min Scan# 2436
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion:107 Resp: 1512
Ion Ratio Lower Upper
107 100
109 104.0 0.0 186.2





#57

4-Bromofluorobenzene

Concen: 0.983 ug/l

RT: 10.630 min Scan# 2967

Delta R.T. 0.000 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

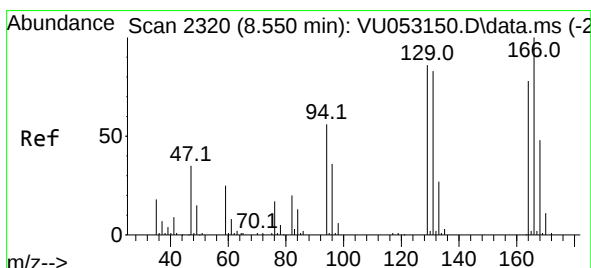
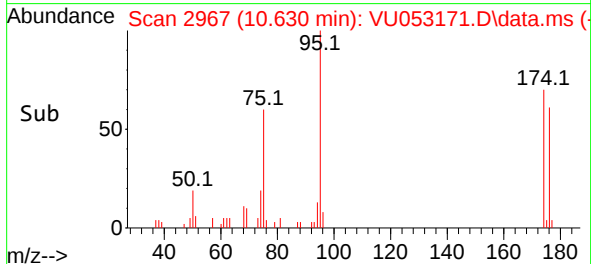
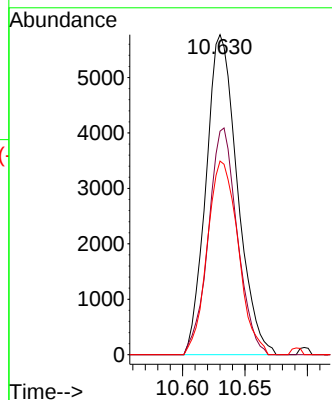
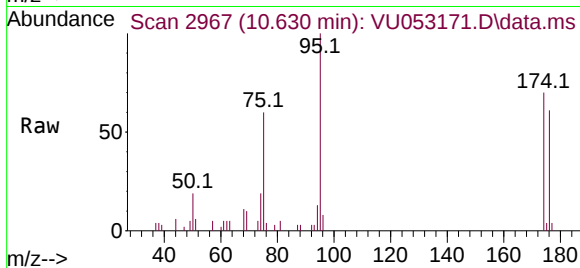
Tgt Ion: 95 Resp: 10102

Ion Ratio Lower Upper

95 100

174 65.3 50.7 76.1

176 59.6 47.8 71.6



#58

Tetrachloroethene

Concen: 0.396 ug/l

RT: 8.550 min Scan# 2320

Delta R.T. 0.000 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Tgt Ion:164 Resp: 1768

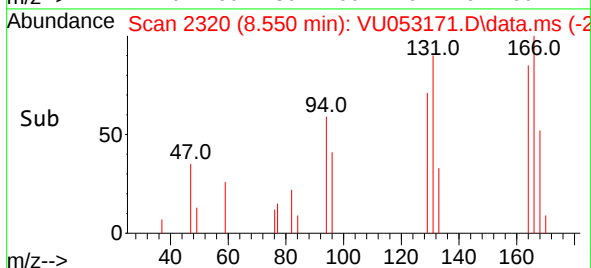
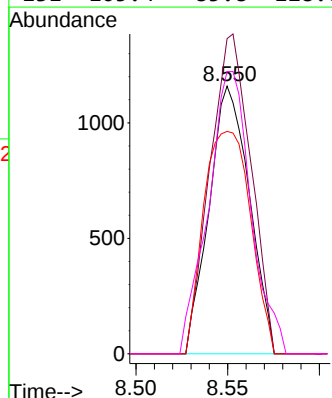
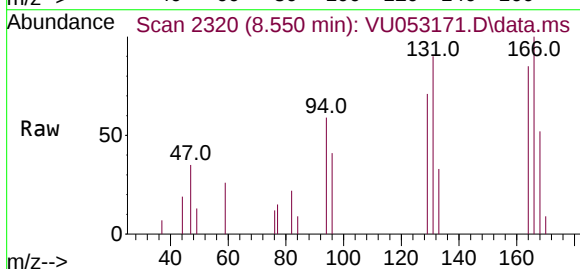
Ion Ratio Lower Upper

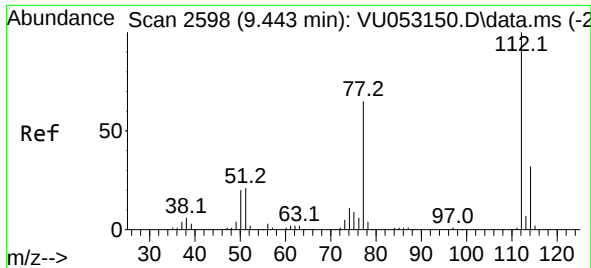
164 100

166 117.8 103.2 154.8

129 83.1 88.8 133.2#

131 105.4 85.8 128.6





#59

Chlorobenzene

Concen: 0.408 ug/l

RT: 9.447 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

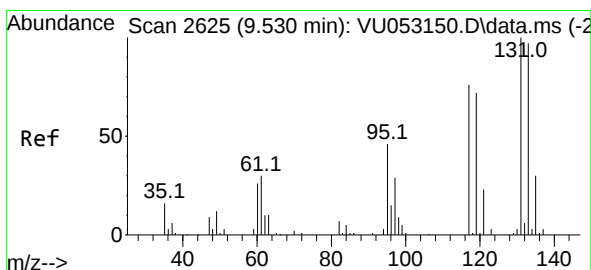
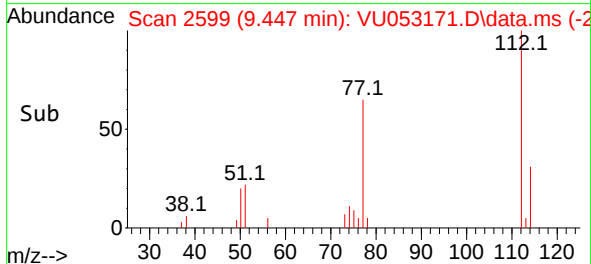
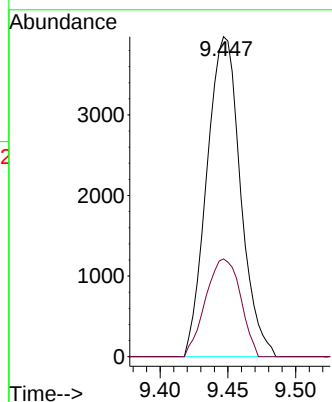
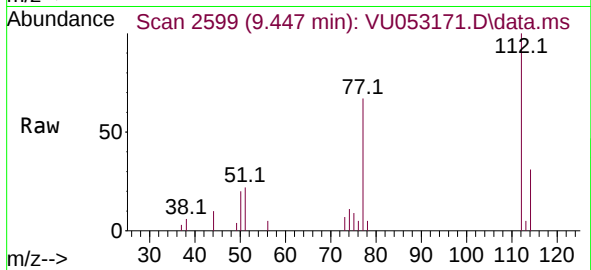
LOQ-WATER-02-QT1-2023

Tgt Ion:112 Resp: 6861

Ion Ratio Lower Upper

112 100

114 30.6 25.8 38.6



#60

1,1,1,2-Tetrachloroethane

Concen: 0.383 ug/l

RT: 9.534 min Scan# 2626

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

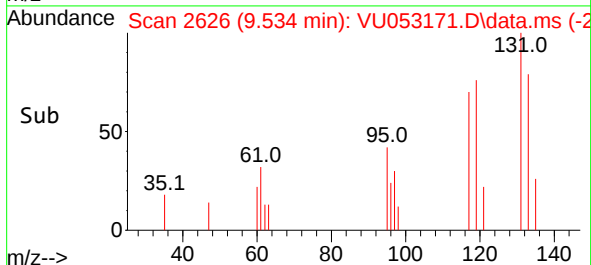
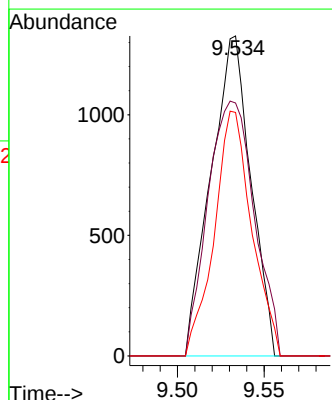
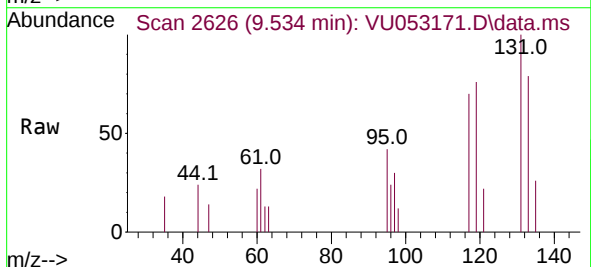
Tgt Ion:131 Resp: 2124

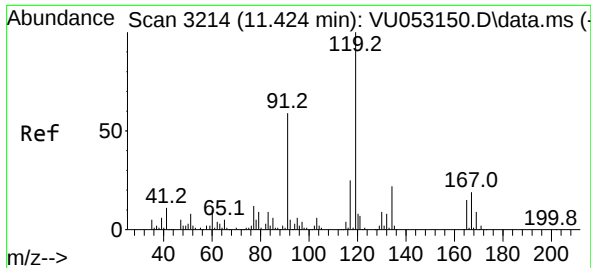
Ion Ratio Lower Upper

131 100

133 92.9 76.7 115.1

119 71.8 57.6 86.4

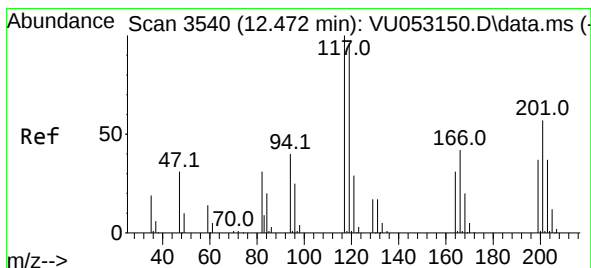
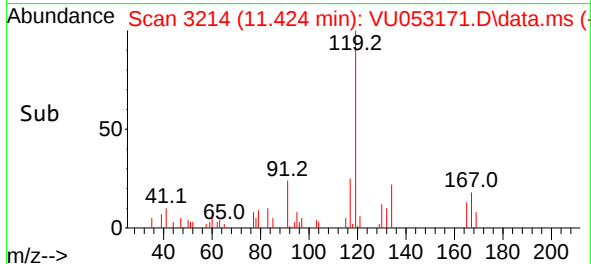
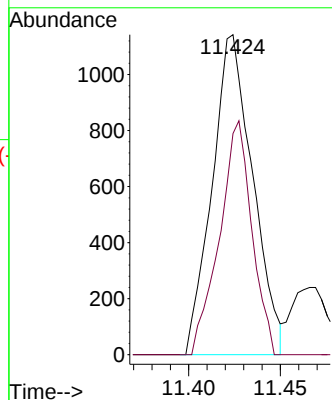
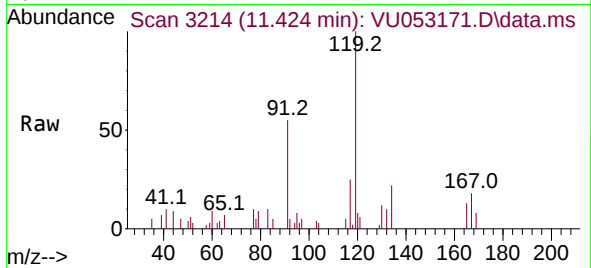




#61
 Pentachloroethane
 Concen: 0.365 ug/l
 RT: 11.424 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053171.D
 Acq: 28 Feb 2023 14:22

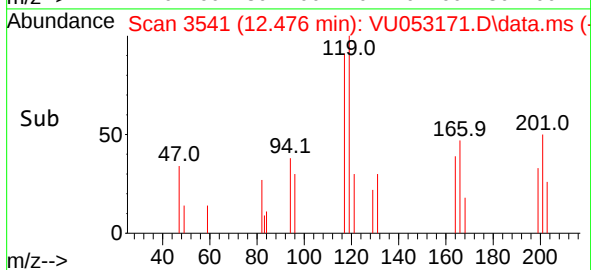
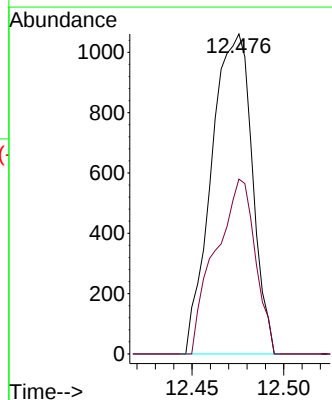
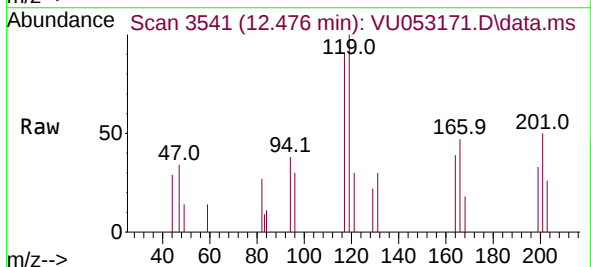
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

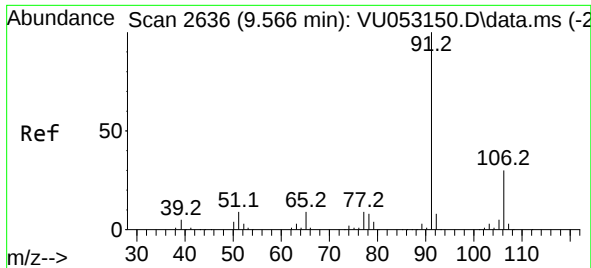
Tgt Ion:117 Resp: 1759
 Ion Ratio Lower Upper
 117 100
 167 58.3 57.5 86.3



#62
 Hexachloroethane
 Concen: 0.308 ug/l
 RT: 12.476 min Scan# 3541
 Delta R.T. 0.003 min
 Lab File: VU053171.D
 Acq: 28 Feb 2023 14:22

Tgt Ion:117 Resp: 1640
 Ion Ratio Lower Upper
 117 100
 201 53.4 46.7 70.1

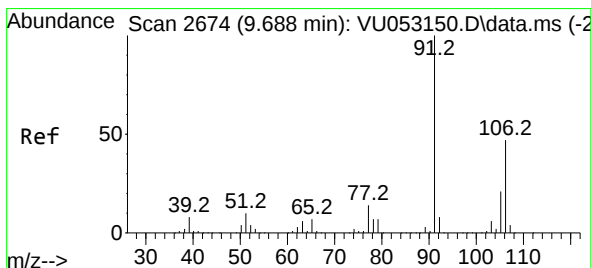
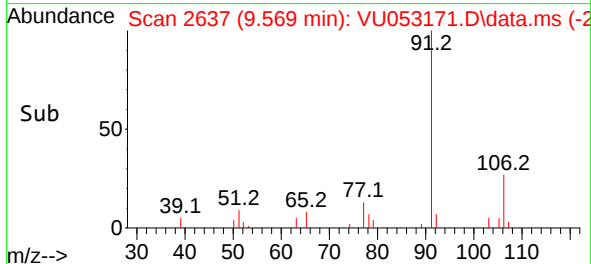
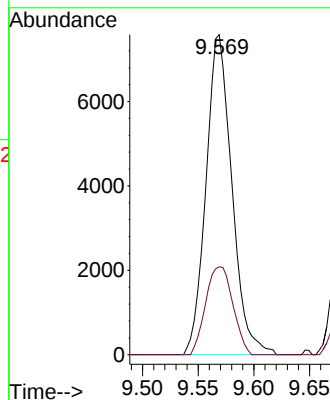
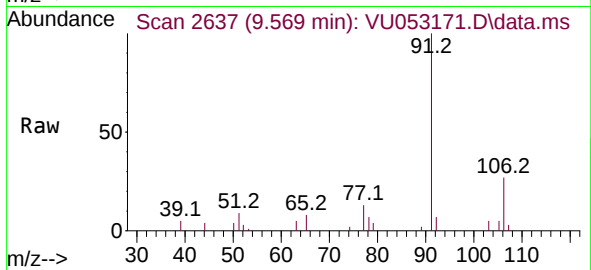




#63
Ethyl Benzene
Concen: 0.396 ug/l
RT: 9.569 min Scan# 2636
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

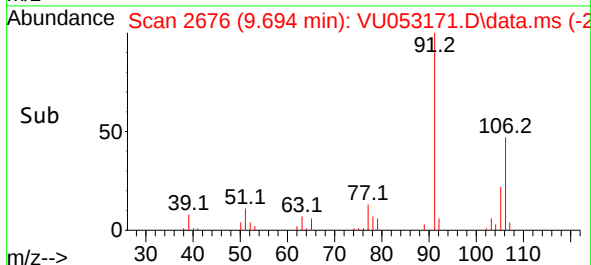
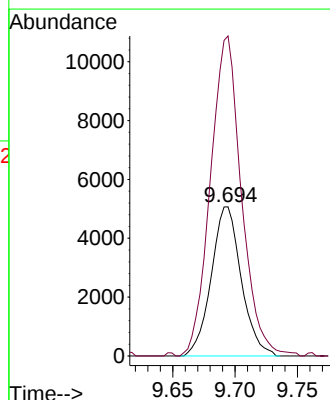
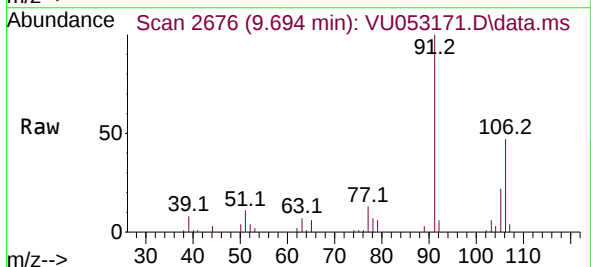
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

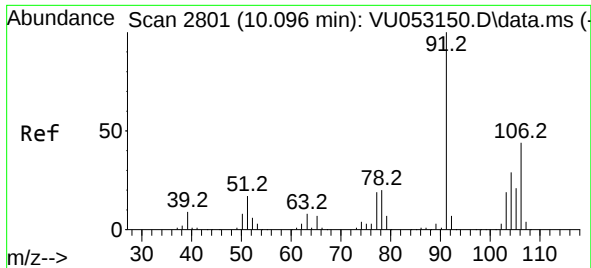
Tgt Ion: 91 Resp: 12272
Ion Ratio Lower Upper
91 100
106 27.5 24.0 36.0



#64
m/p-Xylenes
Concen: 0.755 ug/l
RT: 9.694 min Scan# 2676
Delta R.T. 0.007 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion:106 Resp: 8496
Ion Ratio Lower Upper
106 100
91 221.9 170.7 256.1

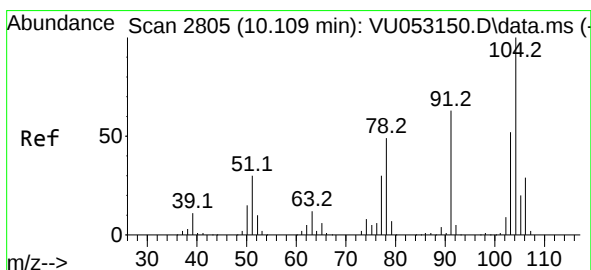
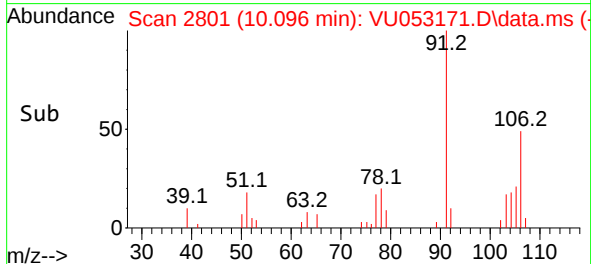
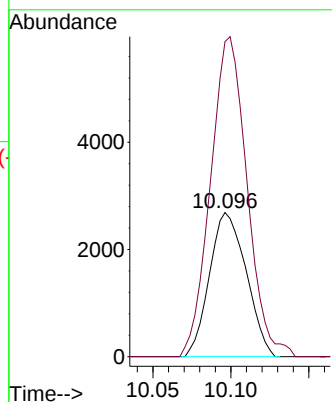
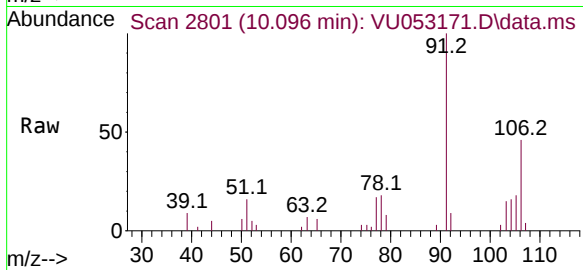




#65
o-Xylene
Concen: 0.383 ug/l
RT: 10.096 min Scan# 2801
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

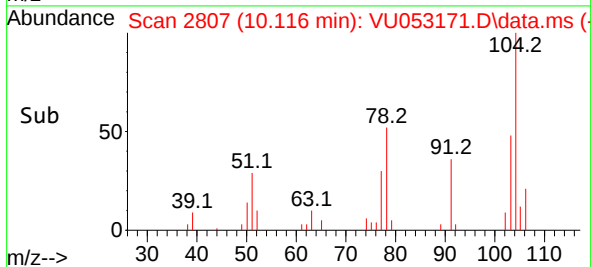
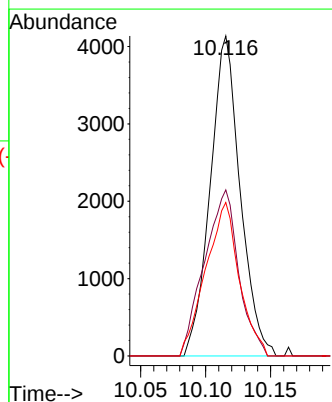
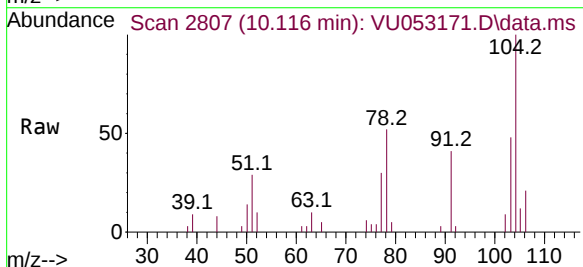
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

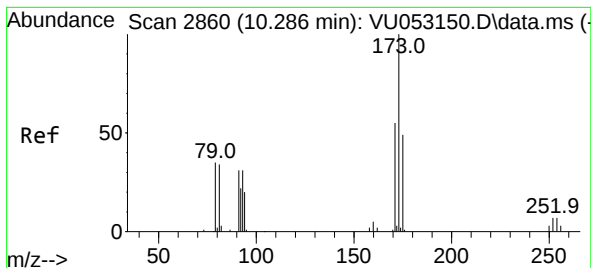
Tgt Ion:106 Resp: 4398
Ion Ratio Lower Upper
106 100
91 221.3 112.8 338.4



#66
Styrene
Concen: 0.364 ug/l
RT: 10.116 min Scan# 2807
Delta R.T. 0.007 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion:104 Resp: 6636
Ion Ratio Lower Upper
104 100
78 59.1 43.3 64.9
103 53.4 45.2 67.8





#67

Bromoform

Concen: 0.345 ug/l

RT: 10.289 min Scan# 2861

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

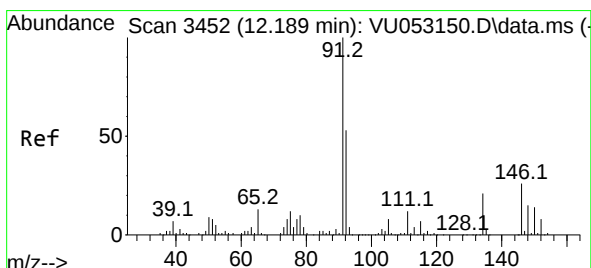
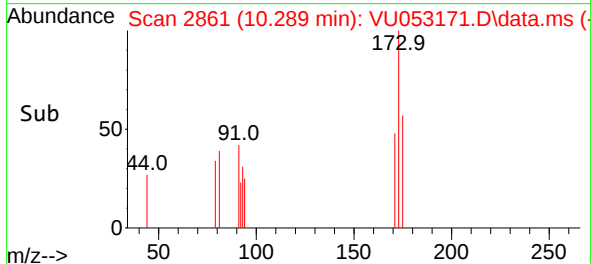
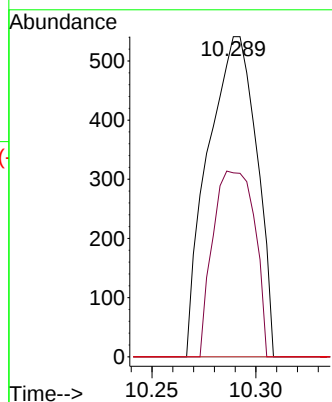
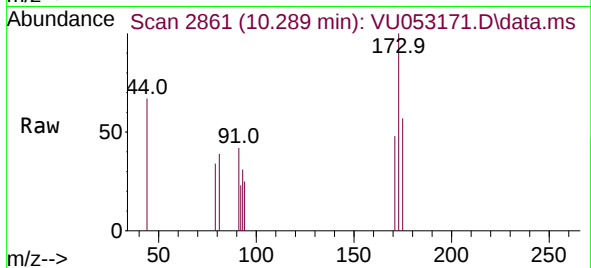
Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion:173	Resp:	880
Ion Ratio	Lower	Upper
173	100	
175	49.7	38.7 58.1
254	0.0	5.8 8.8#



#68

1,2-Dichlorobenzene-d4

Concen: 1.062 ug/l

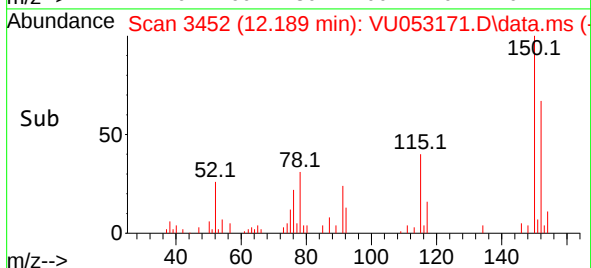
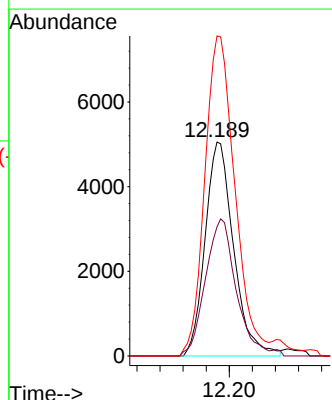
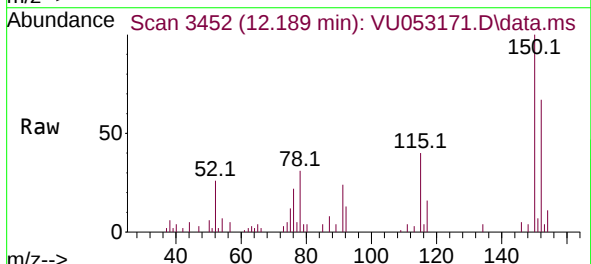
RT: 12.189 min Scan# 3452

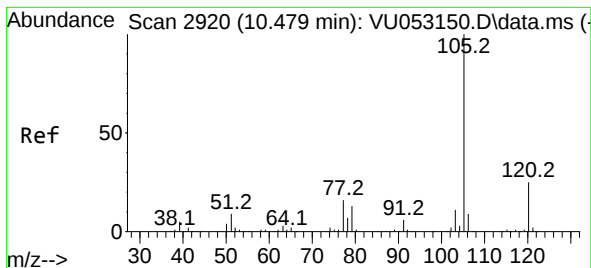
Delta R.T. 0.000 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Tgt Ion:152	Resp:	8654
Ion Ratio	Lower	Upper
152	100	
115	68.3	0.0 267.8
150	157.9	0.0 623.0





#69

Isopropylbenzene

Concen: 0.387 ug/l

RT: 10.482 min Scan# 2920

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

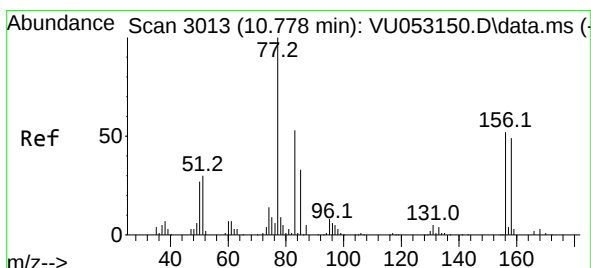
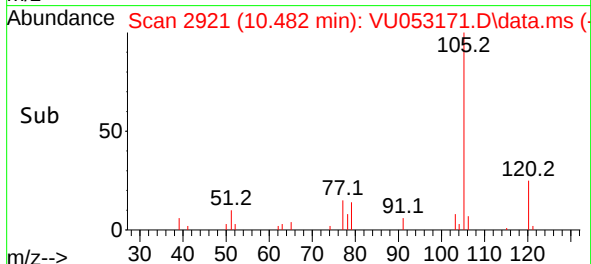
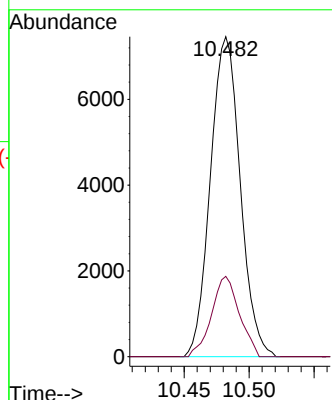
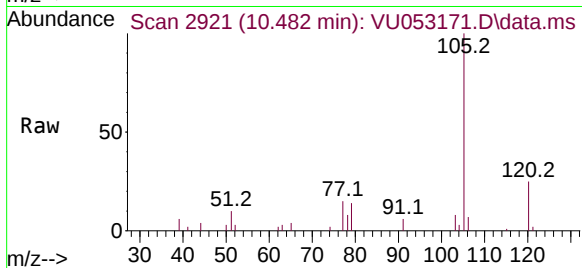
LOQ-WATER-02-QT1-2023

Tgt Ion:105 Resp: 11893

Ion Ratio Lower Upper

105 100

120 23.4 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.404 ug/l

RT: 10.781 min Scan# 3014

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

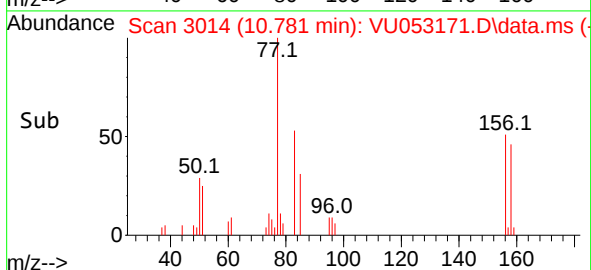
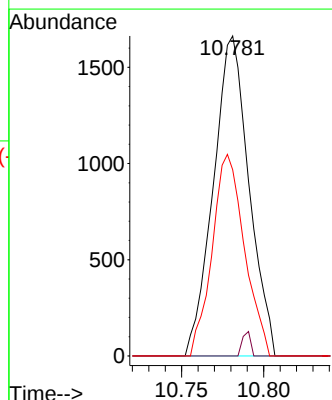
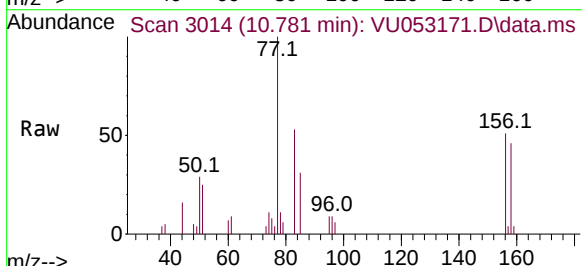
Tgt Ion: 83 Resp: 2504

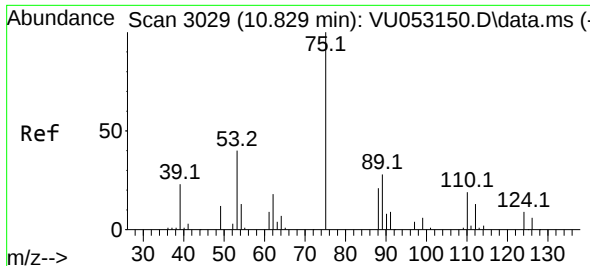
Ion Ratio Lower Upper

83 100

131 1.8 6.6 9.8#

85 57.2 49.3 73.9

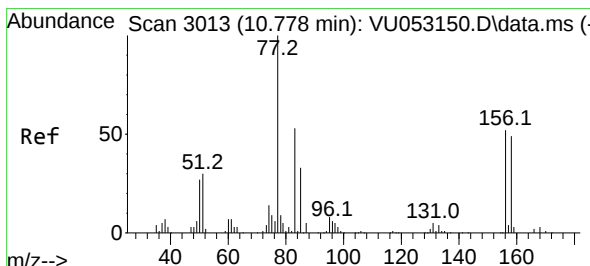
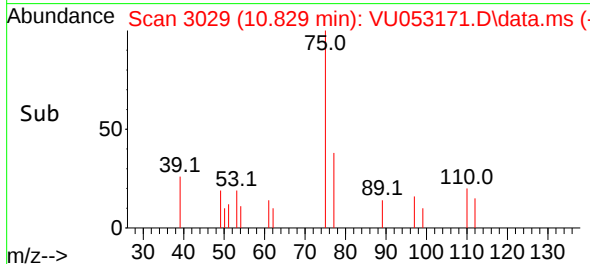
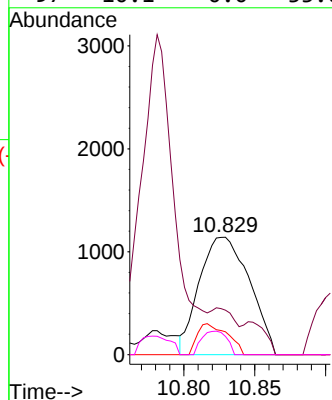
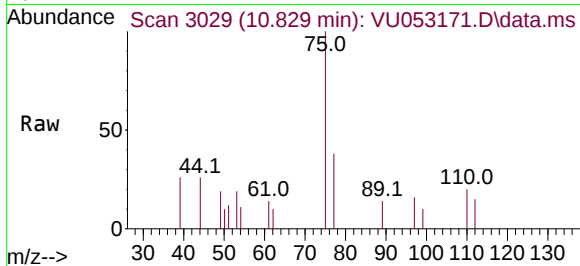




#71
1,2,3-Trichloropropane
Concen: 0.528 ug/l
RT: 10.829 min Scan# 3029
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

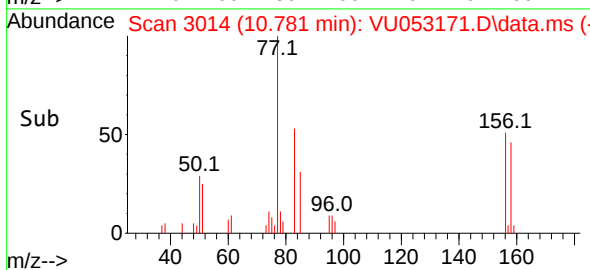
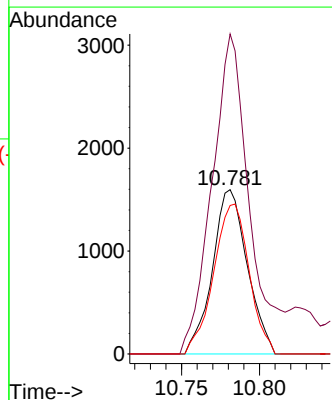
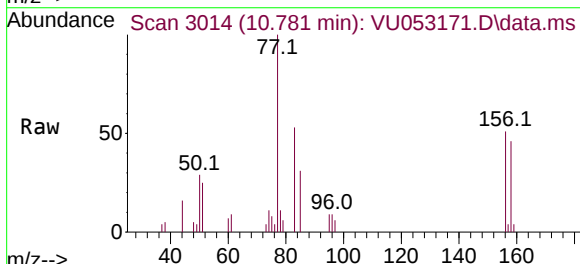
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

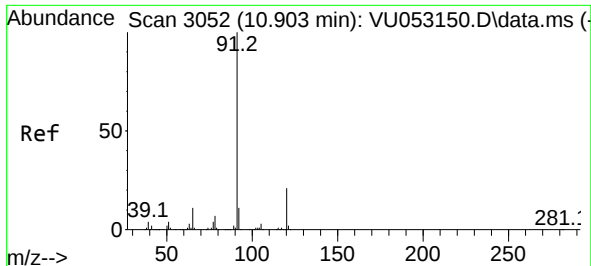
Tgt Ion: 75	Resp: 2813
Ion Ratio	Lower Upper
75 100	
77 29.8	0.0 98.2
110 15.9	0.0 57.0
97 10.1	0.0 33.6



#72
Bromobenzene
Concen: 0.416 ug/l
RT: 10.781 min Scan# 3014
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion:156	Resp: 2485		
Ion Ratio	Lower	Upper	
156 100			
77 208.4	0.0	397.0	
158 92.6	0.0	189.2	

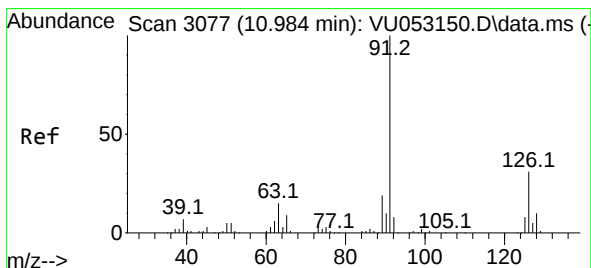
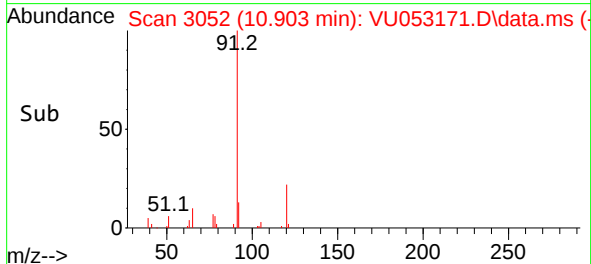
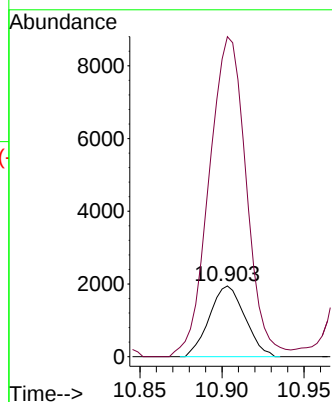
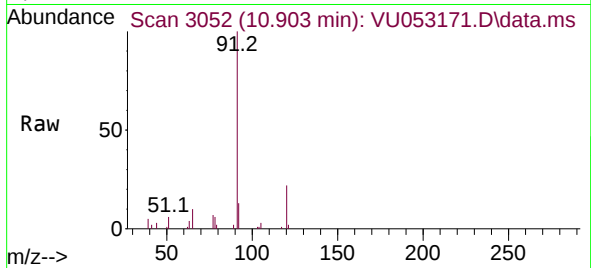




#73
n-propylbenzene
Concen: 0.359 ug/l
RT: 10.903 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

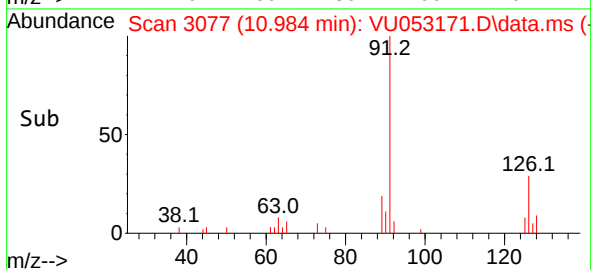
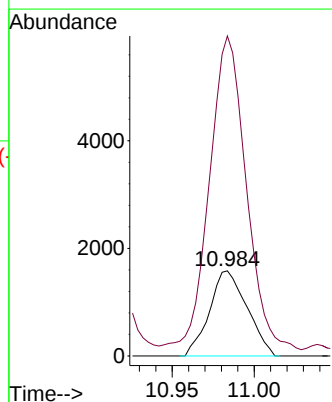
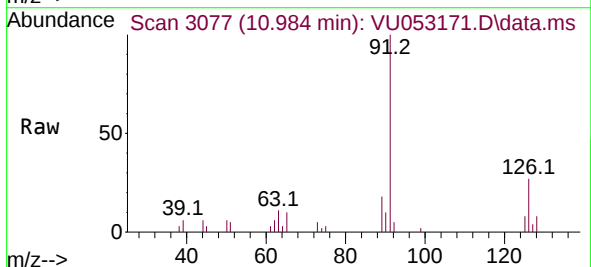
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

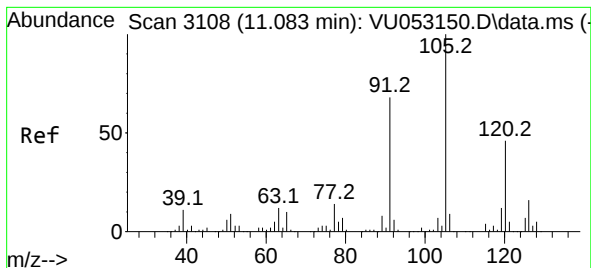
Tgt Ion:120 Resp: 2927
Ion Ratio Lower Upper
120 100
91 473.9 372.5 558.7



#74
2-Chlorotoluene
Concen: 0.372 ug/l
RT: 10.984 min Scan# 3077
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion:126 Resp: 2515
Ion Ratio Lower Upper
126 100
91 365.1 0.0 658.6





#75

1,3,5-Trimethylbenzene

Concen: 0.375 ug/l

RT: 11.087 min Scan# 3109

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

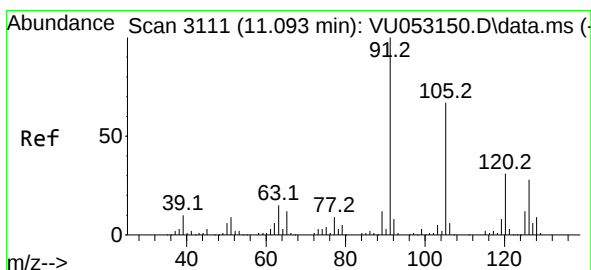
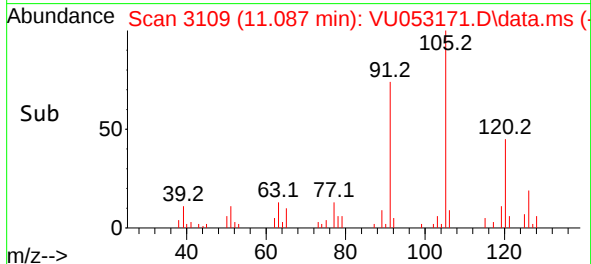
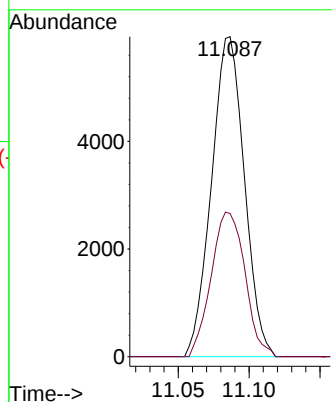
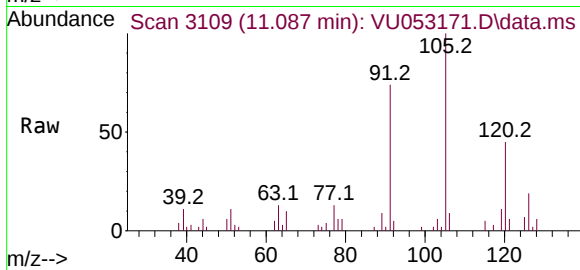
LOQ-WATER-02-QT1-2023

Tgt Ion:105 Resp: 9590

Ion Ratio Lower Upper

105 100

120 46.4 36.5 54.7



#76

4-Chlorotoluene

Concen: 0.386 ug/l

RT: 11.096 min Scan# 3112

Delta R.T. 0.003 min

Lab File: VU053171.D

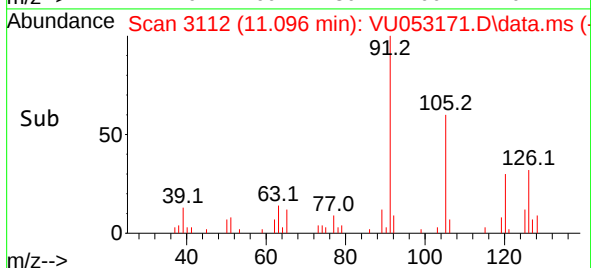
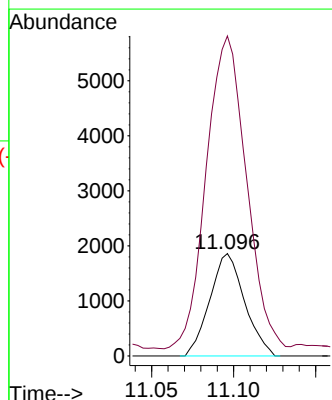
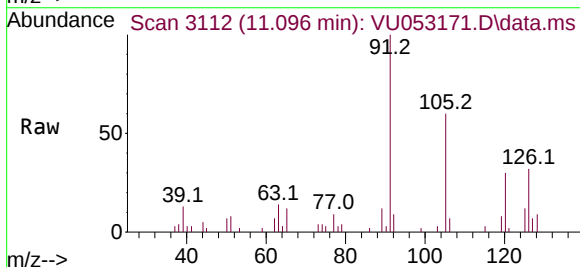
Acq: 28 Feb 2023 14:22

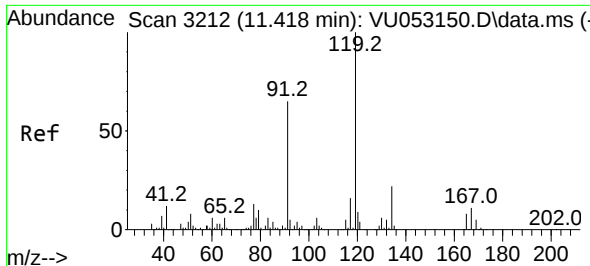
Tgt Ion:126 Resp: 2739

Ion Ratio Lower Upper

126 100

91 350.6 0.0 760.6

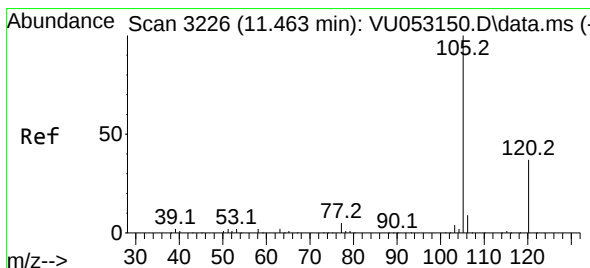
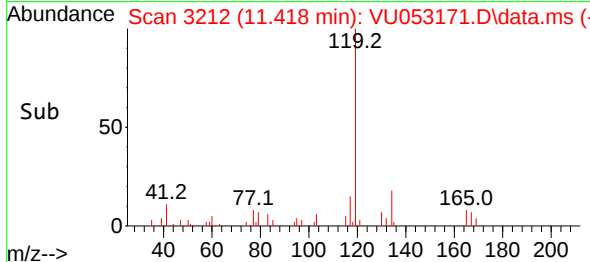
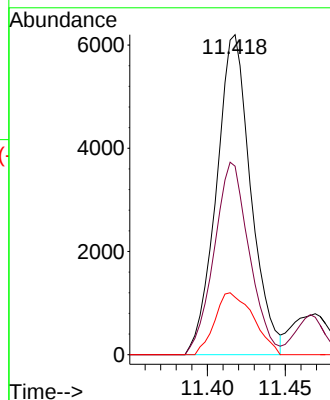
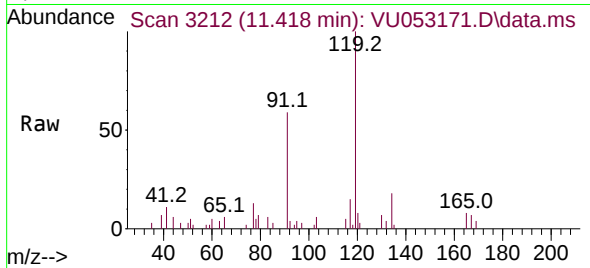




#77
tert-Butylbenzene
Concen: 0.380 ug/l
RT: 11.418 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

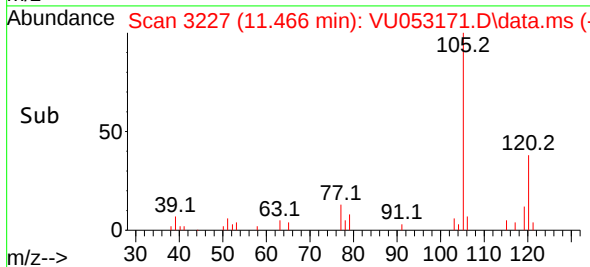
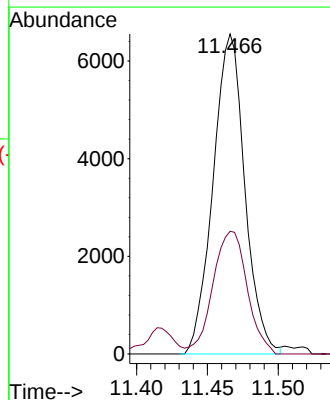
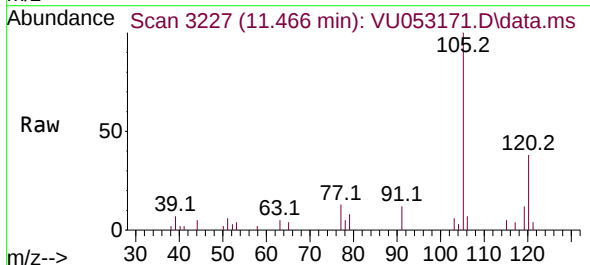
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

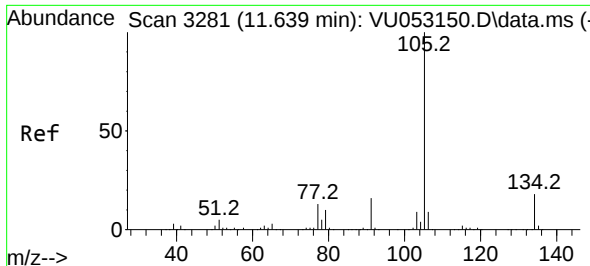
Tgt Ion:	119	Resp:	9522
Ion Ratio	Lower	Upper	
119	100		
91	61.5	31.9	95.7
134	21.7	17.4	26.0



#78
1,2,4-Trimethylbenzene
Concen: 0.392 ug/l
RT: 11.466 min Scan# 3227
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion:	105	Resp:	10215
Ion Ratio	Lower	Upper	
105	100		
120	41.4	21.1	63.1

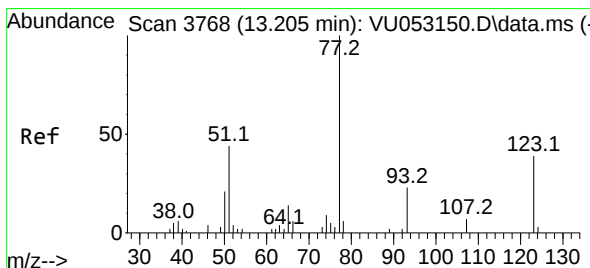
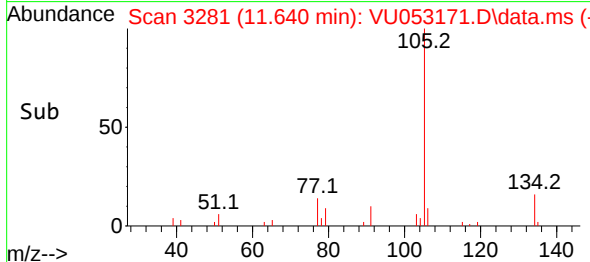
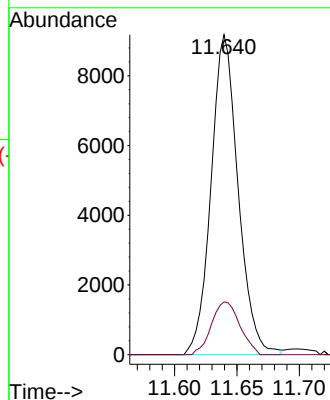
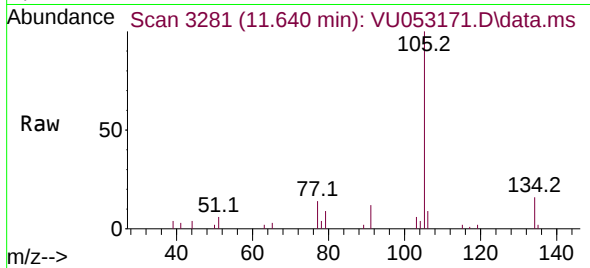




#79
 sec-Butylbenzene
 Concen: 0.399 ug/l
 RT: 11.640 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU053171.D
 Acq: 28 Feb 2023 14:22

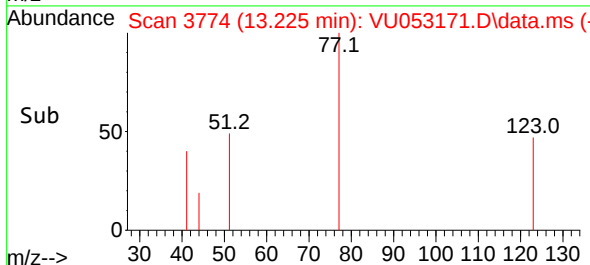
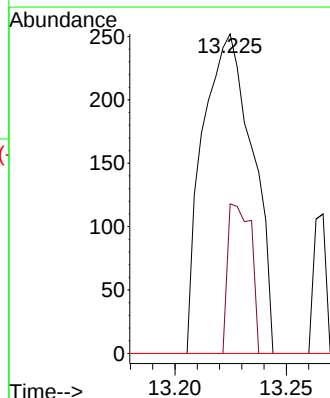
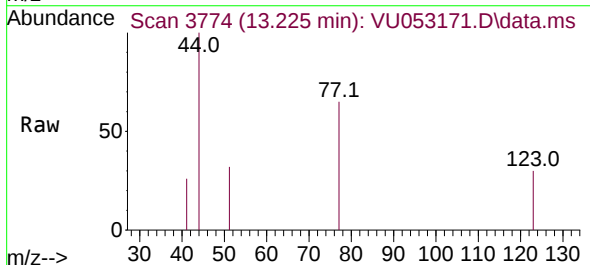
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

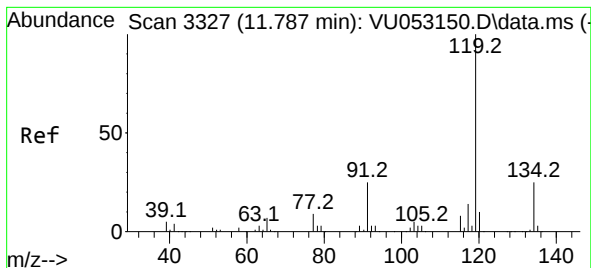
Tgt Ion:105 Resp: 13886
 Ion Ratio Lower Upper
 105 100
 134 17.3 14.4 21.6



#80
 Nitrobenzene
 Concen: 1.208 ug/l
 RT: 13.225 min Scan# 3774
 Delta R.T. 0.019 min
 Lab File: VU053171.D
 Acq: 28 Feb 2023 14:22

Tgt Ion: 77 Resp: 391
 Ion Ratio Lower Upper
 77 100
 123 21.7 17.0 60.2
 65 0.0 12.9 16.5#





#81

p-Isopropyltoluene

Concen: 0.363 ug/l

RT: 11.791 min Scan# 3328

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

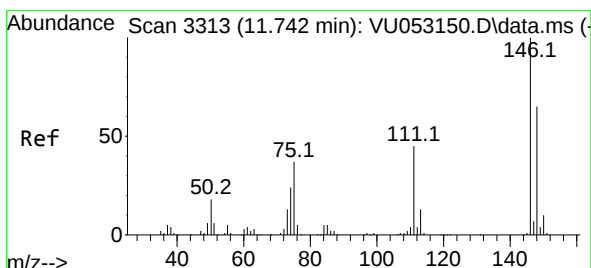
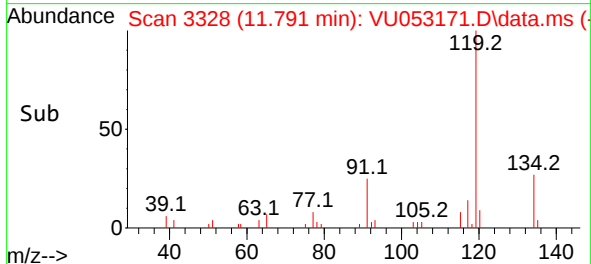
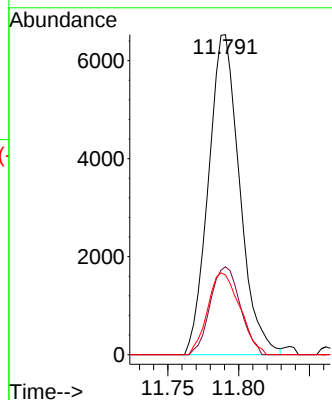
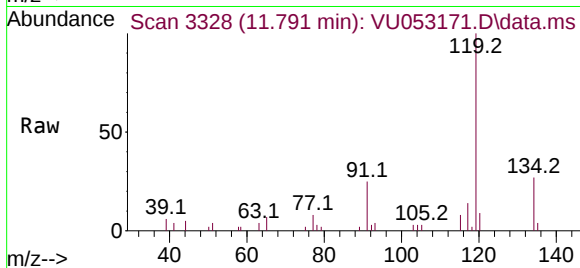
Tgt Ion:119 Resp: 10012

Ion Ratio Lower Upper

119 100

134 26.3 19.8 29.6

91 26.3 20.5 30.7



#82

1,3-Dichlorobenzene

Concen: 0.383 ug/l

RT: 11.746 min Scan# 3314

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

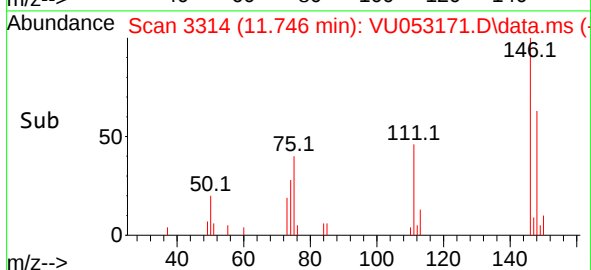
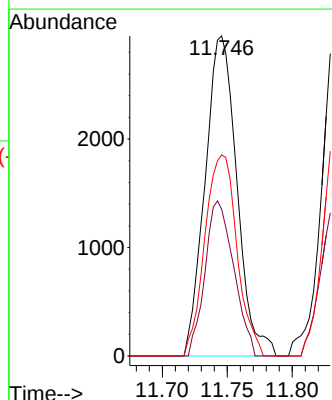
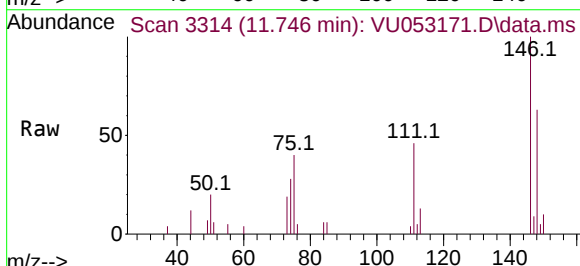
Tgt Ion:146 Resp: 5023

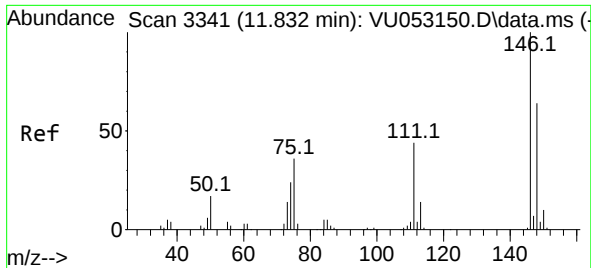
Ion Ratio Lower Upper

146 100

111 43.7 36.0 54.0

148 63.5 50.8 76.2

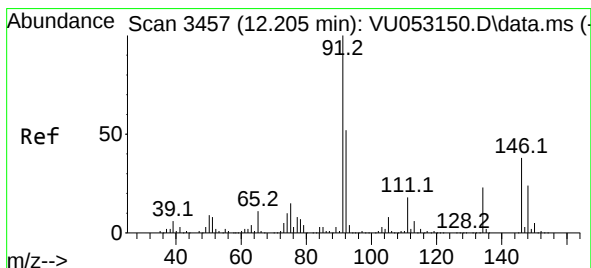
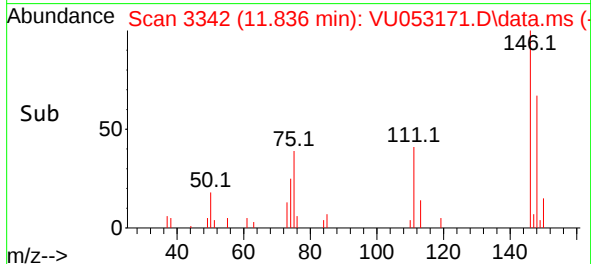
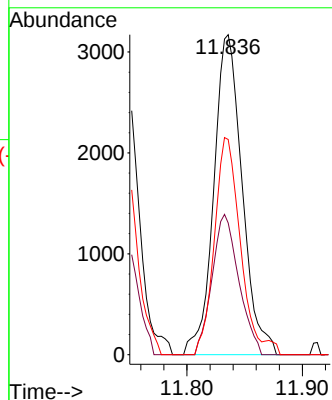
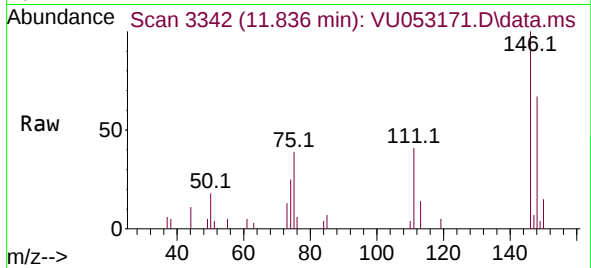




#83
1,4-Dichlorobenzene
Concen: 0.404 ug/l
RT: 11.836 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

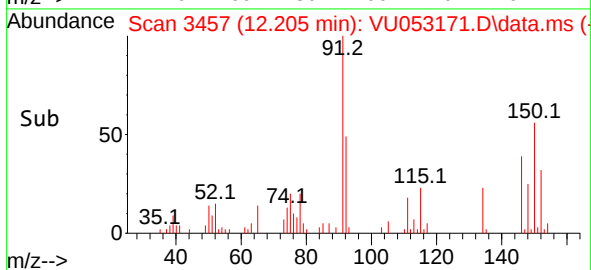
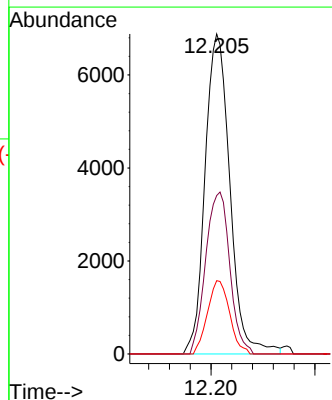
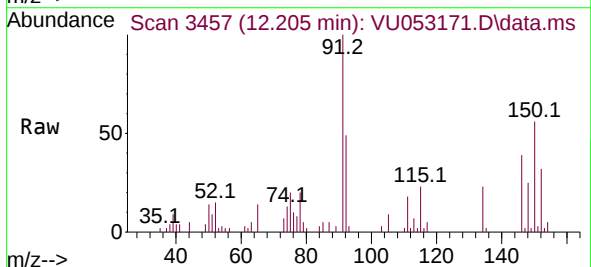
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

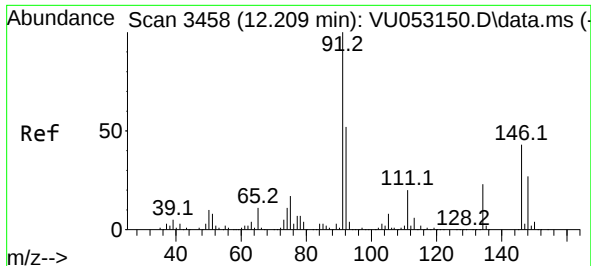
Tgt Ion:146 Resp: 5411
Ion Ratio Lower Upper
146 100
111 41.3 34.0 51.0
148 62.6 49.8 74.6



#84
n-Butylbenzene
Concen: 0.400 ug/l
RT: 12.205 min Scan# 3457
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion: 91 Resp: 11420
Ion Ratio Lower Upper
91 100
92 49.0 41.8 62.6
134 20.4 17.9 26.9





#85

1,2-Dichlorobenzene

Concen: 0.400 ug/l

RT: 12.212 min Scan# 3458

Delta R.T. 0.003 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2023

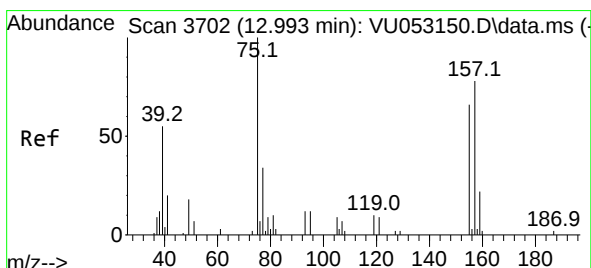
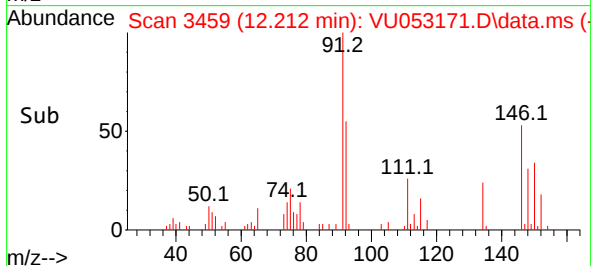
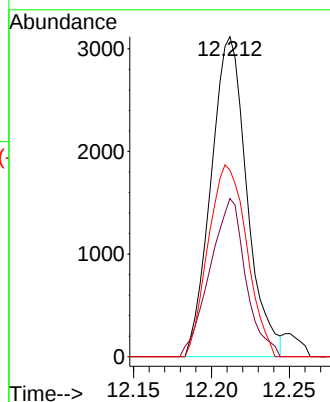
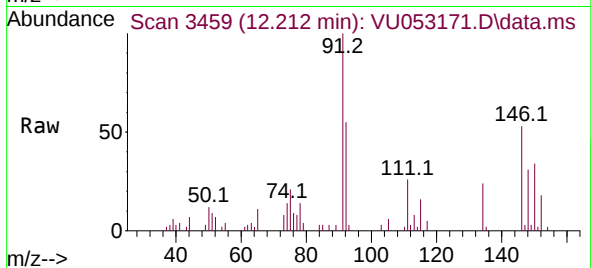
Tgt Ion:146 Resp: 4996

Ion Ratio Lower Upper

146 100

111 49.2 23.2 69.6

148 64.3 31.4 94.3



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.340 ug/l

RT: 12.993 min Scan# 3702

Delta R.T. 0.000 min

Lab File: VU053171.D

Acq: 28 Feb 2023 14:22

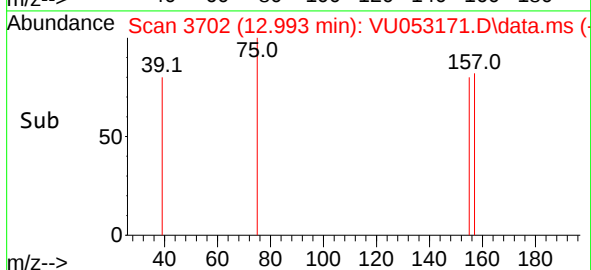
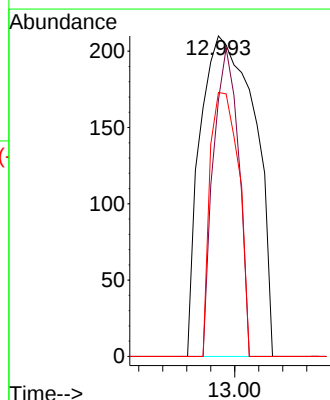
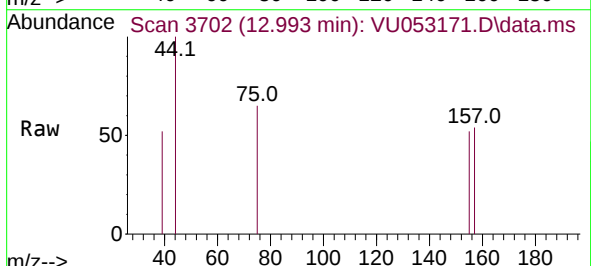
Tgt Ion: 75 Resp: 331

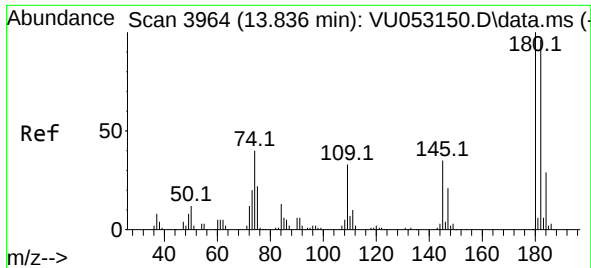
Ion Ratio Lower Upper

75 100

155 44.4 53.4 80.0#

157 43.2 61.7 92.5#

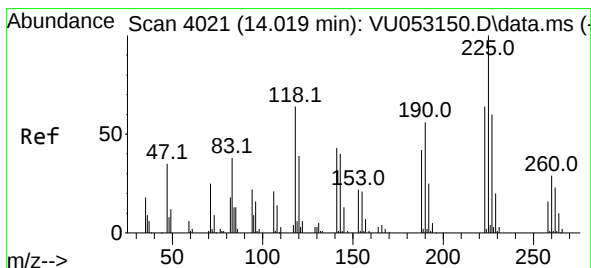
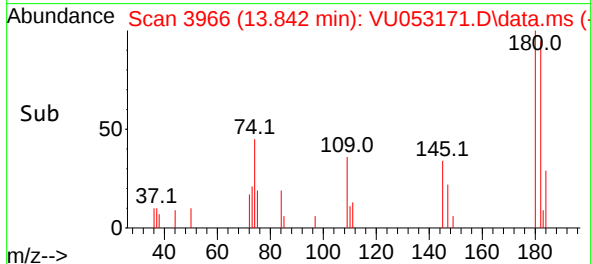
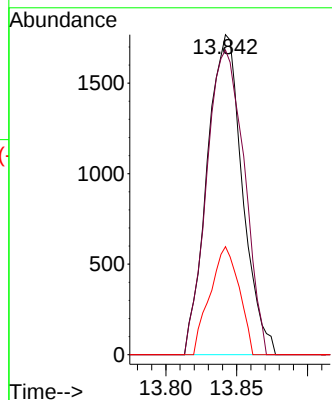
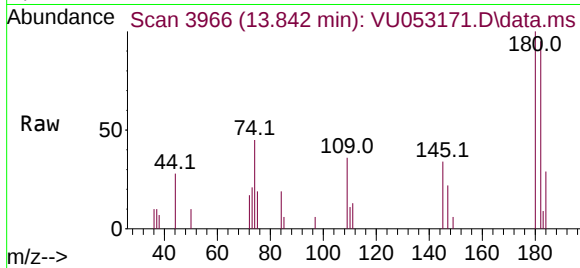




#87
 1,2,4-Trichlorobenzene
 Concen: 0.400 ug/l
 RT: 13.842 min Scan# 3966
 Delta R.T. 0.007 min
 Lab File: VU053171.D
 Acq: 28 Feb 2023 14:22

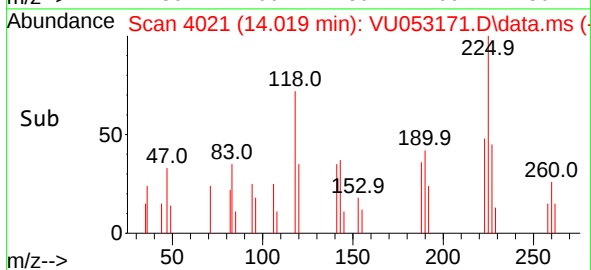
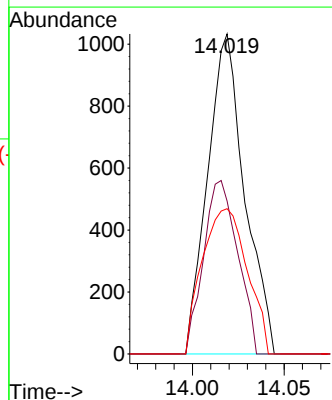
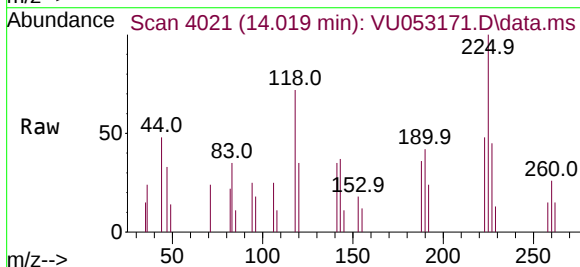
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

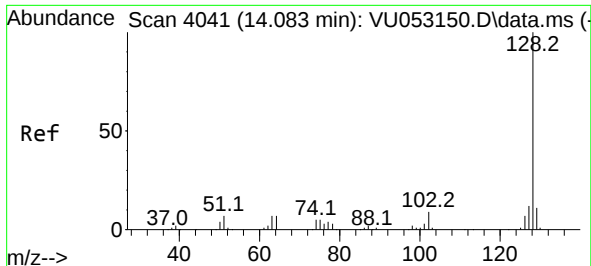
Tgt Ion:180 Resp: 3067
 Ion Ratio Lower Upper
 180 100
 182 101.0 77.4 116.0
 145 27.7 28.3 42.5#



#88
 Hexachlorobutadiene
 Concen: 0.387 ug/l
 RT: 14.019 min Scan# 4021
 Delta R.T. -0.000 min
 Lab File: VU053171.D
 Acq: 28 Feb 2023 14:22

Tgt Ion:225 Resp: 1451
 Ion Ratio Lower Upper
 225 100
 223 50.0 51.1 76.7#
 227 55.1 49.9 74.9

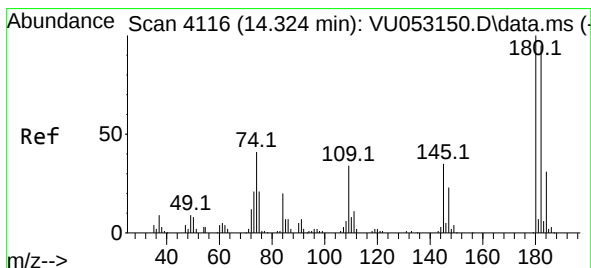
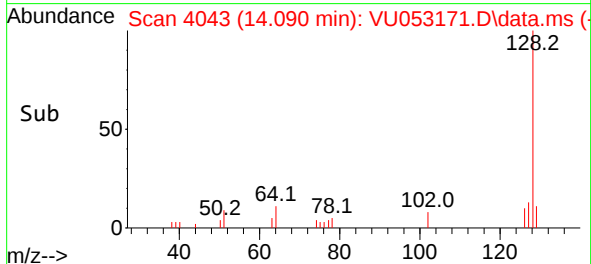
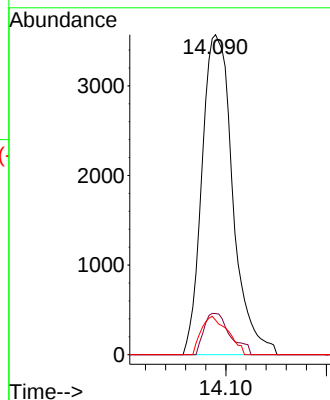
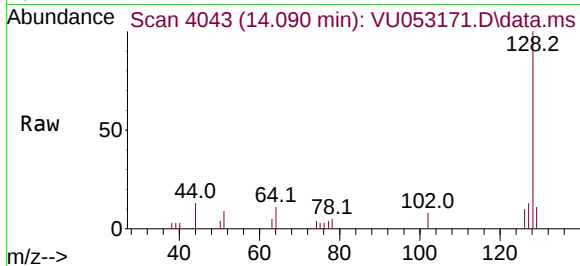




#89
Naphthalene
Concen: 0.466 ug/l
RT: 14.090 min Scan# 4041
Delta R.T. 0.007 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:128	Resp:	7597
Ion	Ratio	Lower Upper
128	100	
127	11.0	9.9 14.9
129	10.3	8.3 12.5



#90
1,2,3-Trichlorobenzene
Concen: 0.417 ug/l
RT: 14.324 min Scan# 4116
Delta R.T. 0.000 min
Lab File: VU053171.D
Acq: 28 Feb 2023 14:22

Tgt Ion:180	Resp:	2817
Ion	Ratio	Lower Upper
180	100	
182	96.4	76.6 115.0
145	33.8	29.0 43.6

