

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053169.D
 Acq On : 28 Feb 2023 13:19
 Operator : JC/MD
 Sample : 01627-09 0.4PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Mar 01 03:55:43 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	6.113	96	24076	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.633	95	9410	0.926	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	8039	0.998	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	1544	0.253	ug/l	96
3) Chloromethane	1.521	50	1842	0.293	ug/l	97
4) Vinyl Chloride	1.605	62	1915	0.286	ug/l	92
5) Bromomethane	1.862	94	1171	0.307	ug/l	99
6) Chloroethane	1.939	64	1153	0.283	ug/l	93
7) Trichlorofluoromethane	2.142	101	2668	0.276	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.589	101	1653	0.274	ug/l	89
9) 1,1-Dichloroethene	2.582	96	1437	0.274	ug/l	88
10) Iodomethane	2.727	142	1312	0.243	ug/l	92
11) Allyl Chloride	2.930	41	2690	0.329	ug/l	93
12) Acrylonitrile	3.315	53	924	0.689	ug/l	# 70
13) Acetone	2.608	43	100	0.052	ug/l	# 41
14) Carbon Disulfide	2.794	76	3338	0.278	ug/l	# 93
15) Methylene Chloride	3.045	84	3566	0.476	ug/l	88
16) trans-1,2-Dichloroethene	3.351	96	1609	0.279	ug/l	89
17) 1,1-Dichloroethane	3.865	63	3718	0.295	ug/l	# 95
18) 2-Butanone	4.724	43	2968	1.289	ug/l	81
19) Cyclohexane	5.383	56	2450	0.243	ug/l	# 88
20) Methylcyclohexane	6.759	83	2491	0.258	ug/l	97
21) 2,2-Dichloropropane	4.663	77	3501	0.317	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	2002	0.282	ug/l	100
23) Diethyl Ether	2.380	59	1172	0.273	ug/l	# 76
24) tert-Butyl Alcohol	3.184	59	168	0.333	ug/l	# 49
25) Methyl tert-Butyl Ether	3.364	73	4276	0.281	ug/l	# 76
26) Bromochloromethane	4.968	128	801	0.291	ug/l	98
27) Chloroform	5.087	83	3857	0.297	ug/l	98
28) 1,1,1-Trichloroethane	5.315	97	3001	0.275	ug/l	98
29) 1,1-Dichloropropene	5.521	75	2241	0.274	ug/l	94
30) Carbon Tetrachloride	5.524	117	2017	0.269	ug/l	86
31) Isopropyl Ether	4.000	45	5987	0.298	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	5297	0.278	ug/l	98
33) Tert-Amyl methyl ether	5.942	73	4652	0.308	ug/l	# 79
34) Propionitrile	4.814	54	923	1.723	ug/l	# 1
35) Benzene	5.772	78	6891	0.286	ug/l	91
36) 1,2-Dichloroethane	5.798	62	2104	0.292	ug/l	# 82
37) Trichloroethene	6.543	130	1527	0.276	ug/l	86
38) 1,2-Dichloropropane	6.794	63	1903	0.273	ug/l	89
39) Methacrylonitrile	4.978	41	165	0.072	ug/l	# 1
40) Methyl acrylate	4.859	55	1142	0.323	ug/l	# 74
41) Tetrahydrofuran	5.074	42	1177	1.050	ug/l	# 57
42) 1-Chlorobutane	5.454	56	3359	0.295	ug/l	90
43) Dibromomethane	6.916	93	758	0.245	ug/l	# 86
44) Bromodichloromethane	7.109	83	2151	0.254	ug/l	# 81

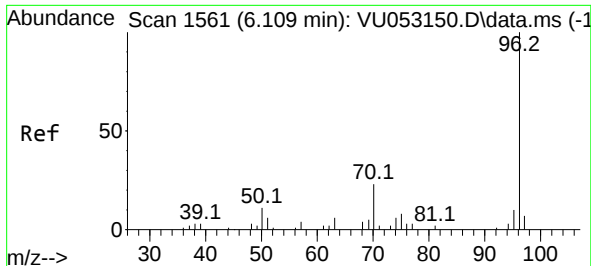
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	5838	1.546	ug/l	96
46) t-1,4-Dichloro-2-butene	10.823	75	2222	1.168	ug/l #	40
47) Methyl methacrylate	6.968	69	2010	0.631	ug/l #	93
48) Ethyl methacrylate	8.334	69	1918	0.294	ug/l	87
49) Toluene	7.971	92	4512	0.304	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	2470	0.301	ug/l	97
51) cis-1,3-Dichloropropene	7.608	75	2860	0.287	ug/l	91
52) 1,1,2-Trichloroethane	8.402	97	1519	0.334	ug/l	94
53) 1,3-Dichloropropane	8.576	76	2498	0.307	ug/l	98
54) 2-Hexanone	8.695	43	4755	1.478	ug/l	89
55) Dibromochloromethane	8.807	129	1265	0.244	ug/l	94
56) 1,2-Dibromoethane	8.923	107	1244	0.308	ug/l	88
58) Tetrachloroethene	8.550	164	1144	0.259	ug/l #	81
59) Chlorobenzene	9.444	112	5109	0.308	ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.527	131	1617	0.295	ug/l	92
61) Pentachloroethane	11.424	117	1259	0.264	ug/l	84
62) Hexachloroethane	12.469	117	1267	0.241	ug/l #	83
63) Ethyl Benzene	9.569	91	8509	0.278	ug/l	96
64) m/p-Xylenes	9.694	106	5869	0.528	ug/l	89
65) o-Xylene	10.096	106	3239	0.285	ug/l	97
66) Styrene	10.112	104	4785	0.266	ug/l	96
67) Bromoform	10.289	173	515	0.204	ug/l #	83
69) Isopropylbenzene	10.479	105	8577	0.282	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	1946	0.318	ug/l #	93
71) 1,2,3-Trichloropropane	10.823	75	2222	0.422	ug/l	63
72) Bromobenzene	10.784	156	1817	0.308	ug/l	91
73) n-propylbenzene	10.903	120	2080	0.258	ug/l	91
74) 2-Chlorotoluene	10.984	126	1970	0.295	ug/l	95
75) 1,3,5-Trimethylbenzene	11.087	105	6881	0.272	ug/l	98
76) 4-Chlorotoluene	11.096	126	1917	0.273	ug/l	86
77) tert-Butylbenzene	11.418	119	6503	0.262	ug/l	97
78) 1,2,4-Trimethylbenzene	11.466	105	6874	0.266	ug/l	97
79) sec-Butylbenzene	11.643	105	8894	0.258	ug/l	100
80) Nitrobenzene	13.212	77	118	0.369	ug/l #	44
81) p-Isopropyltoluene	11.791	119	6849	0.251	ug/l	96
82) 1,3-Dichlorobenzene	11.749	146	3691	0.285	ug/l	96
83) 1,4-Dichlorobenzene	11.839	146	3618	0.273	ug/l	98
84) n-Butylbenzene	12.206	91	6725	0.238	ug/l	95
85) 1,2-Dichlorobenzene	12.209	146	3290	0.266	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.993	75	314	0.326	ug/l #	42
87) 1,2,4-Trichlorobenzene	13.842	180	2160	0.285	ug/l	92
88) Hexachlorobutadiene	14.019	225	951	0.257	ug/l #	88
89) Naphthalene	14.093	128	5083	0.315	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	1938	0.290	ug/l	93

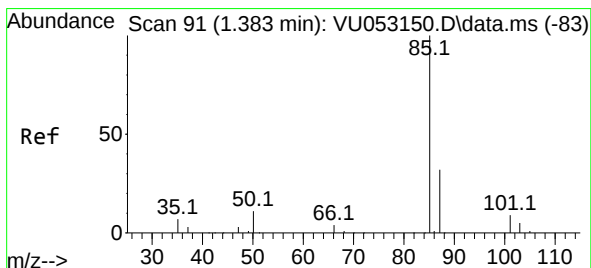
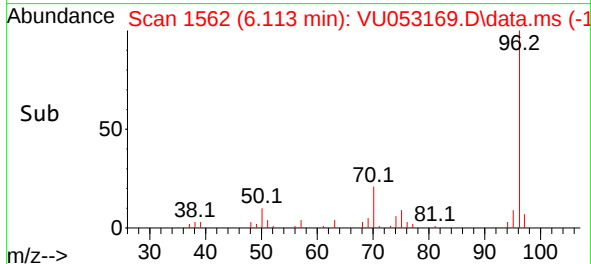
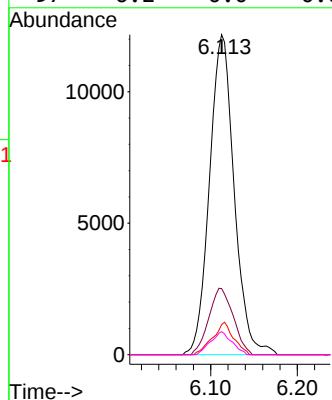
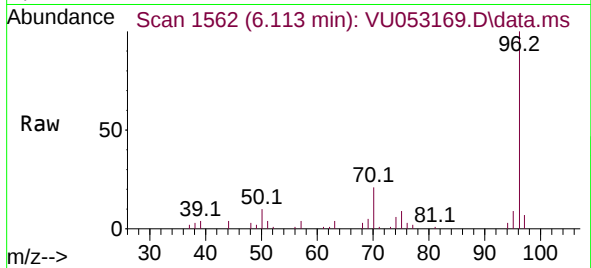
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1
Delta R.T. 0.004 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

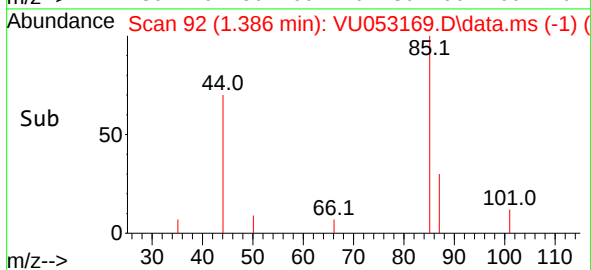
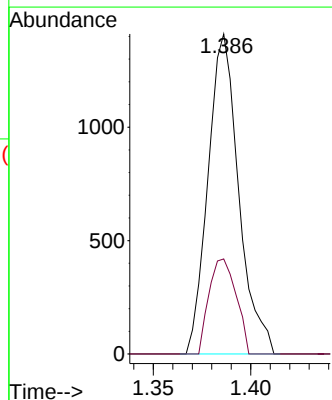
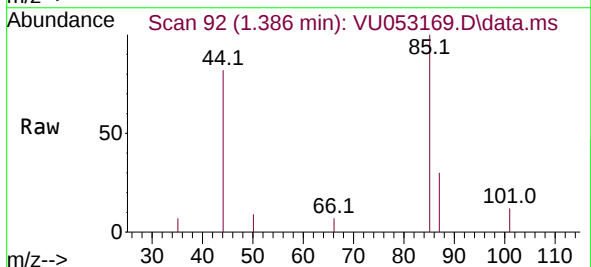
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

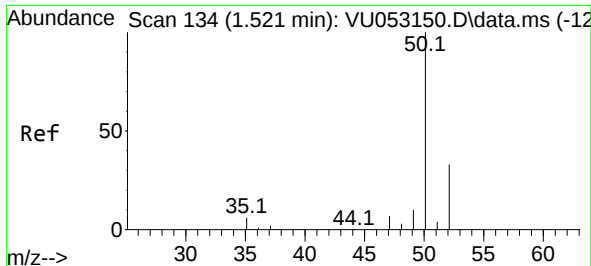
Tgt Ion:	96	Resp:	24076
Ion	Ratio	Lower	Upper
96	100		
70	20.5	15.5	23.3
95	8.6	7.0	10.6
97	6.2	0.0	0.0



#2
Dichlorodifluoromethane
Concen: 0.253 ug/l
RT: 1.386 min Scan# 92
Delta R.T. 0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion:	85	Resp:	1544
Ion	Ratio	Lower	Upper
85	100		
87	29.7	16.1	48.2





#3

Chloromethane

Concen: 0.293 ug/l

RT: 1.521 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

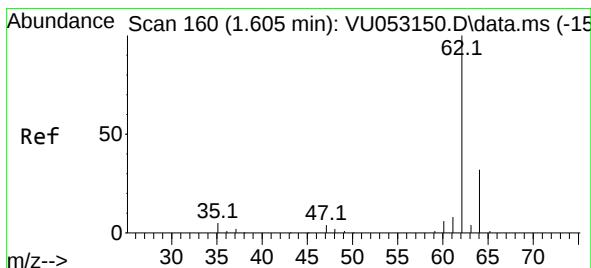
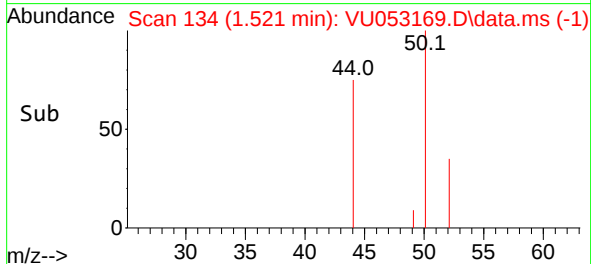
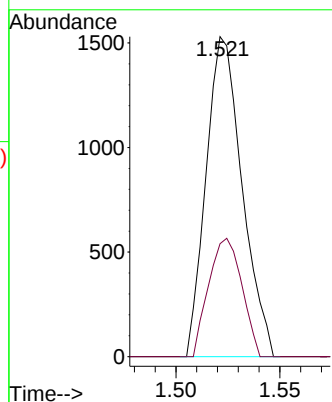
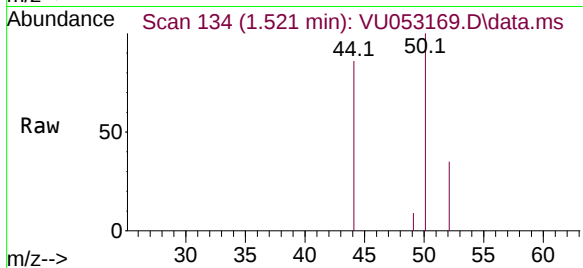
MDL-WATER-03-QT1-2023

Tgt Ion: 50 Resp: 1842

Ion Ratio Lower Upper

50 100

52 35.3 26.7 40.1



#4

Vinyl Chloride

Concen: 0.286 ug/l

RT: 1.605 min Scan# 160

Delta R.T. 0.000 min

Lab File: VU053169.D

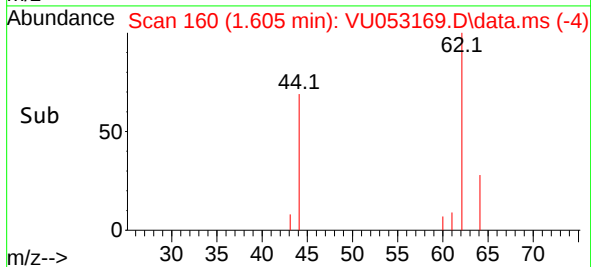
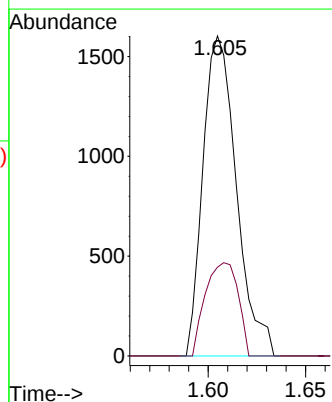
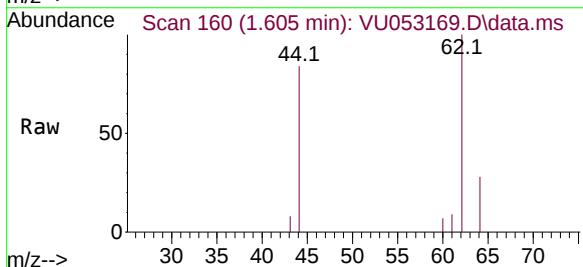
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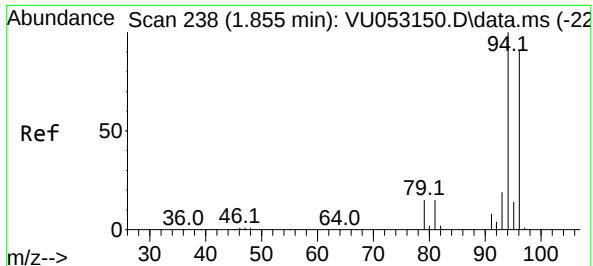
Tgt Ion: 62 Resp: 1915

Ion Ratio Lower Upper

62 100

64 27.8 25.8 38.6

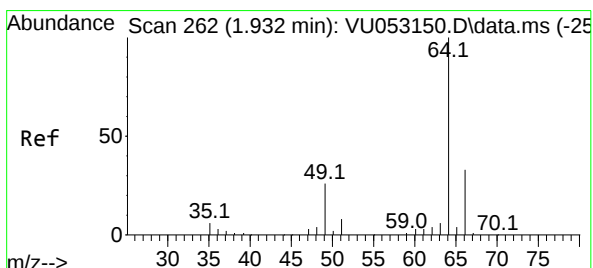
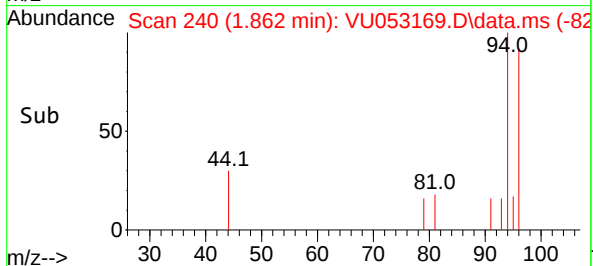
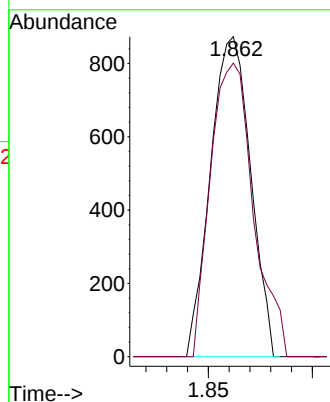
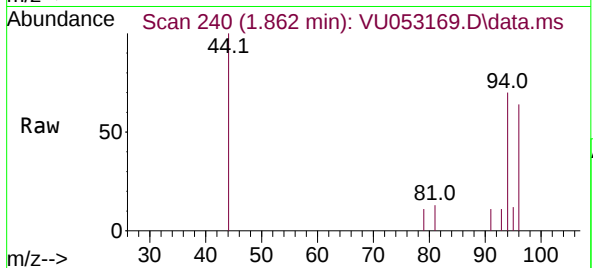




#5
Bromomethane
Concen: 0.307 ug/l
RT: 1.862 min Scan# 240
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

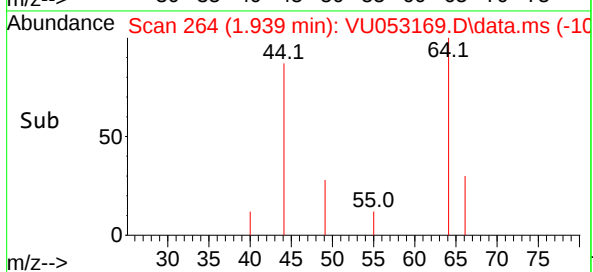
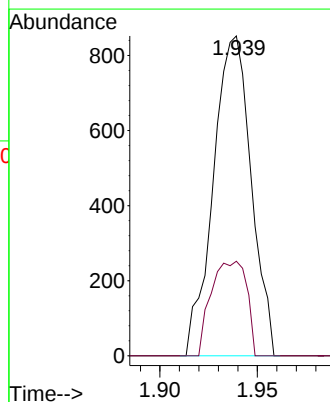
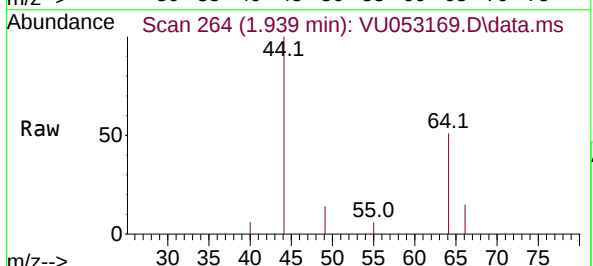
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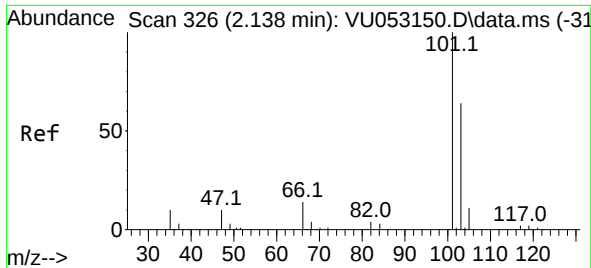
Tgt Ion: 94 Resp: 1171
Ion Ratio Lower Upper
94 100
96 91.8 72.6 108.8



#6
Chloroethane
Concen: 0.283 ug/l
RT: 1.939 min Scan# 264
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 64 Resp: 1153
Ion Ratio Lower Upper
64 100
66 29.6 26.8 40.2

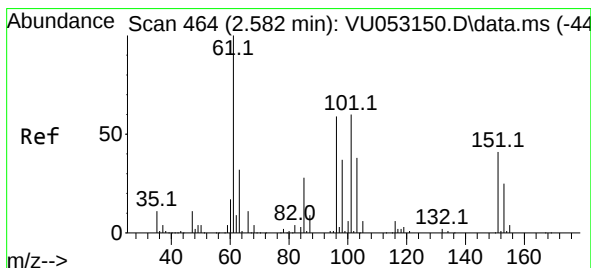
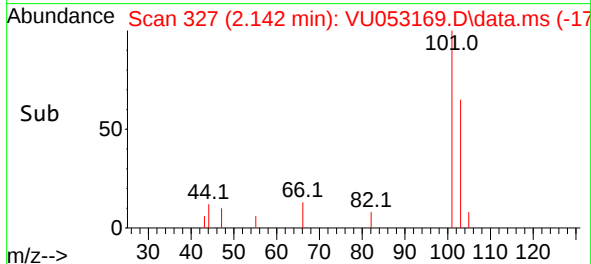
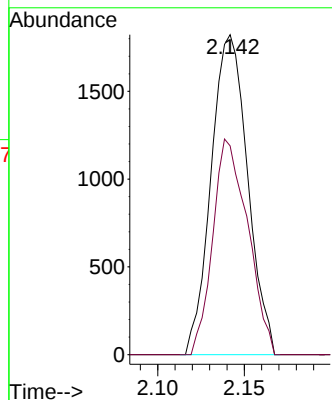
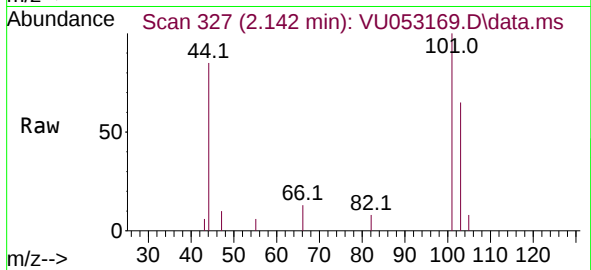




#7
Trichlorofluoromethane
Concen: 0.276 ug/l
RT: 2.142 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

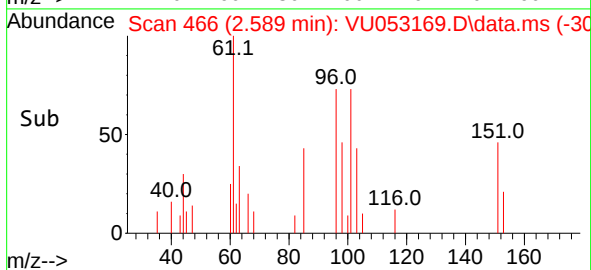
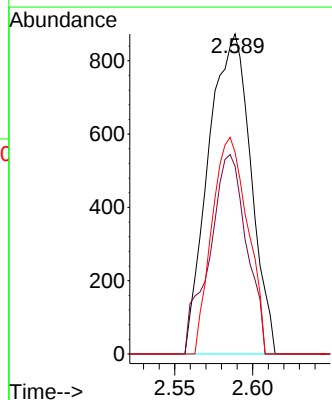
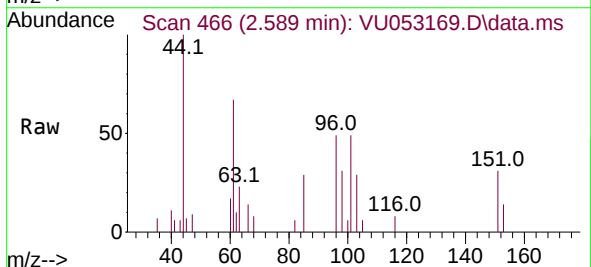
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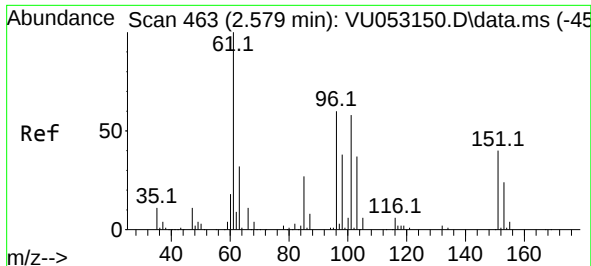
Tgt Ion:101 Resp: 2668
Ion Ratio Lower Upper
101 100
103 65.2 51.2 76.8



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.274 ug/l
RT: 2.589 min Scan# 466
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion:101 Resp: 1653
Ion Ratio Lower Upper
101 100
85 54.6 37.3 55.9
151 56.9 52.4 78.6

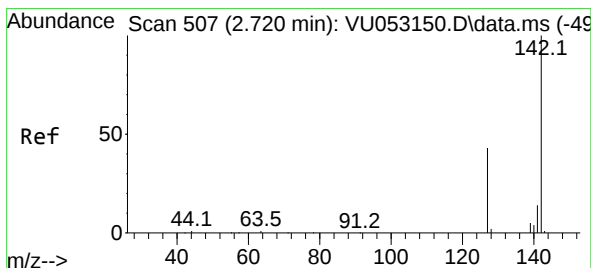
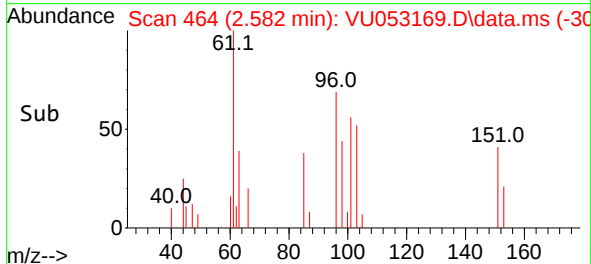
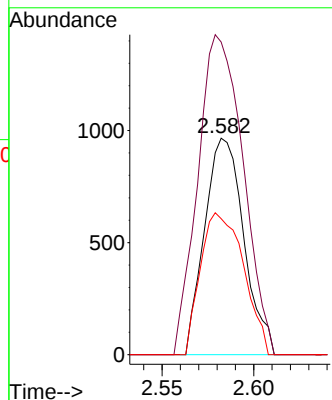
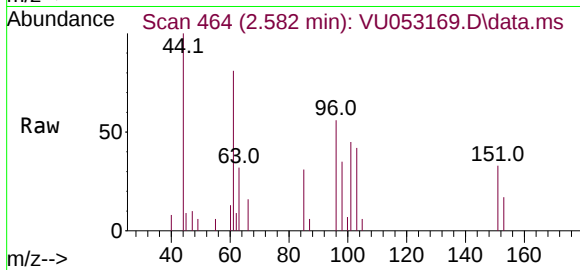




#9
1,1-Dichloroethene
Concen: 0.274 ug/l
RT: 2.582 min Scan# 463
Delta R.T. 0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

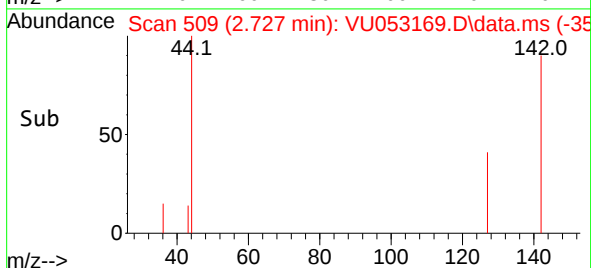
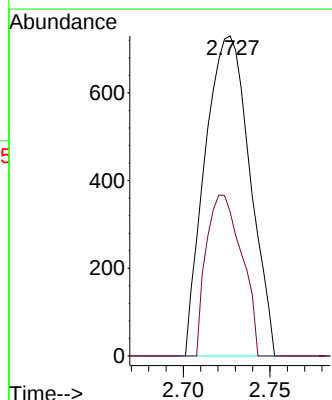
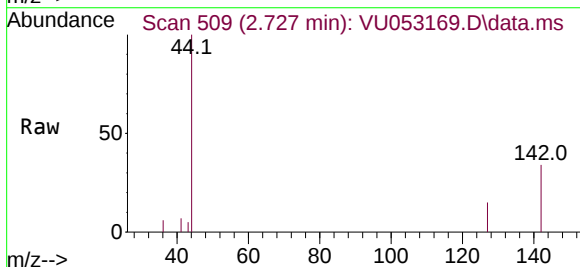
Instrument :
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ClientSampleId :
MDL-WATER-03-QT1-2023

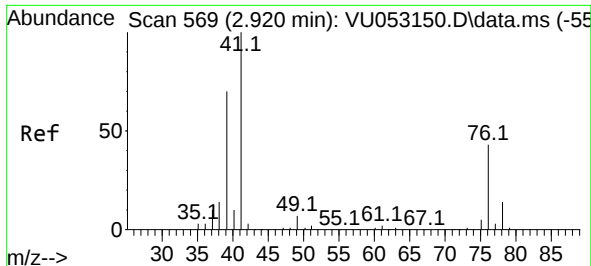
Tgt Ion: 96 Resp: 1437
Ion Ratio Lower Upper
96 100
61 144.4 0.0 502.5
98 62.8 0.0 126.2



#10
Iodomethane
Concen: 0.243 ug/l
RT: 2.727 min Scan# 509
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 142 Resp: 1312
Ion Ratio Lower Upper
142 100
127 39.7 35.8 53.8





#11

Allyl Chloride

Concen: 0.329 ug/l

RT: 2.930 min Scan# 51

Delta R.T. 0.010 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

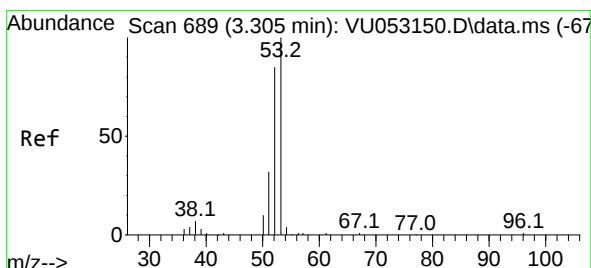
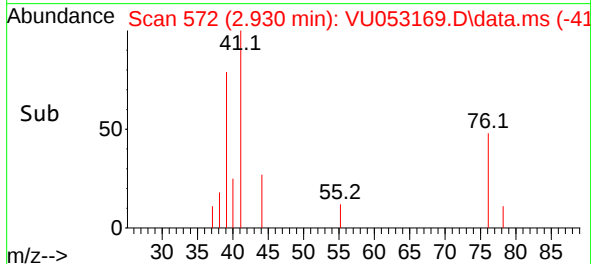
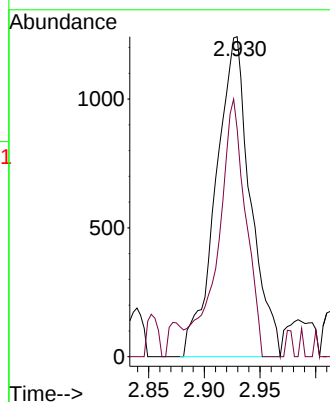
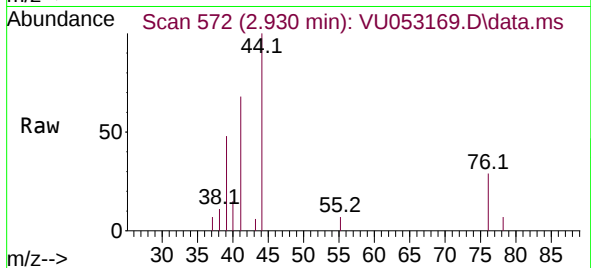
MDL-WATER-03-QT1-2023

Tgt Ion: 41 Resp: 2690

Ion Ratio Lower Upper

41 100

39 63.7 55.3 82.9



#12

Acrylonitrile

Concen: 0.689 ug/l

RT: 3.315 min Scan# 692

Delta R.T. 0.010 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

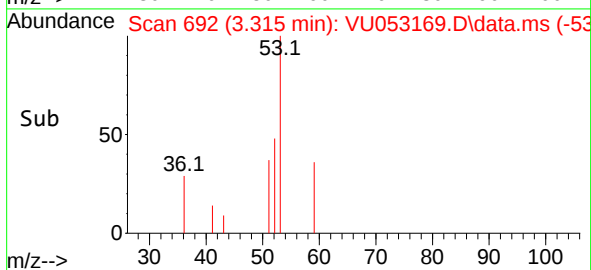
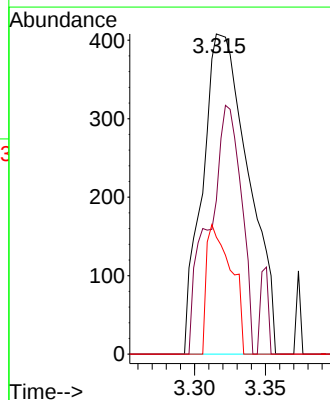
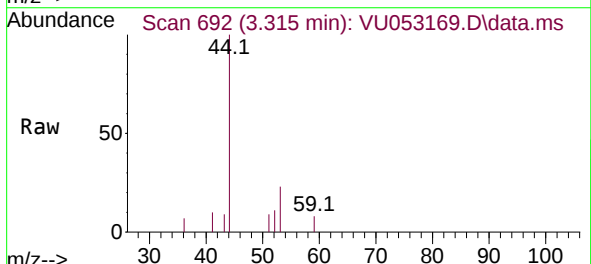
Tgt Ion: 53 Resp: 924

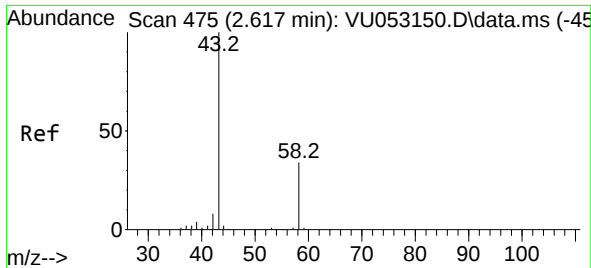
Ion Ratio Lower Upper

53 100

52 54.9 65.9 98.9#

51 21.5 31.8 47.8#





#13

Acetone

Concen: 0.052 ug/l

RT: 2.608 min Scan# 41

Delta R.T. -0.009 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

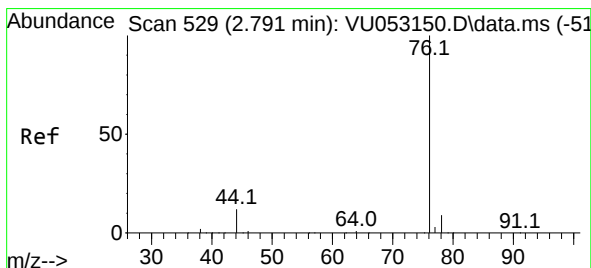
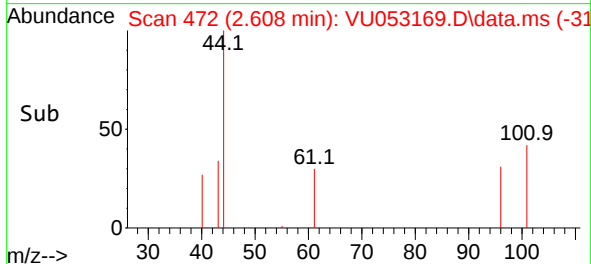
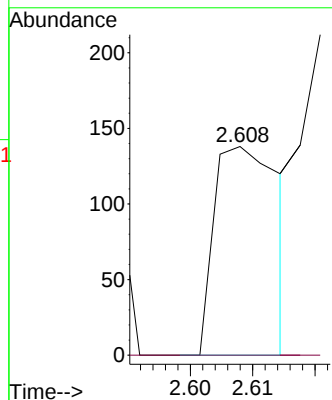
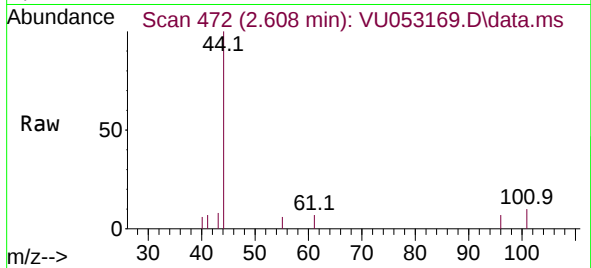
MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

58 0.0 27.2 40.8#



#14

Carbon Disulfide

Concen: 0.278 ug/l

RT: 2.794 min Scan# 530

Delta R.T. 0.003 min

Lab File: VU053169.D

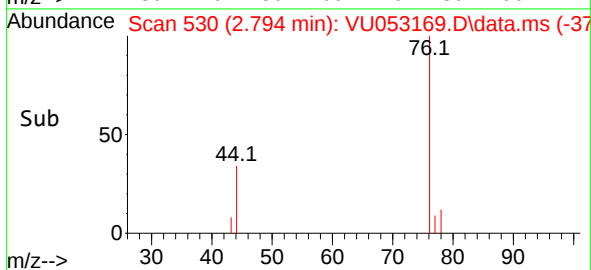
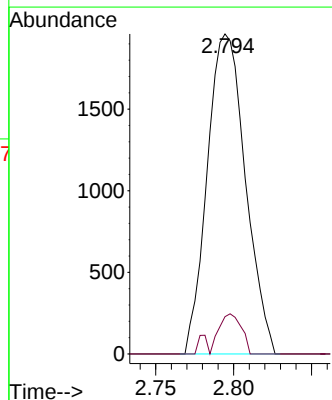
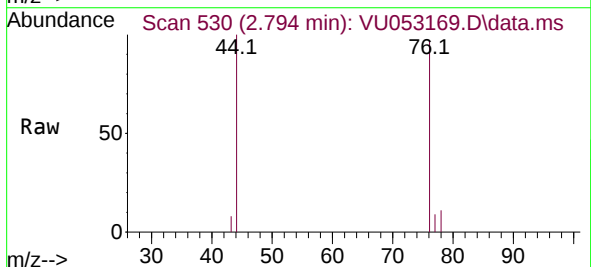
Acq: 28 Feb 2023 13:19

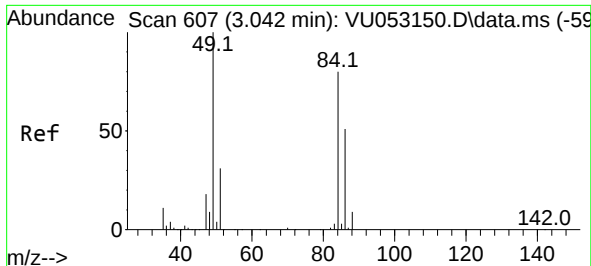
Tgt Ion: 76 Resp: 3338

Ion Ratio Lower Upper

76 100

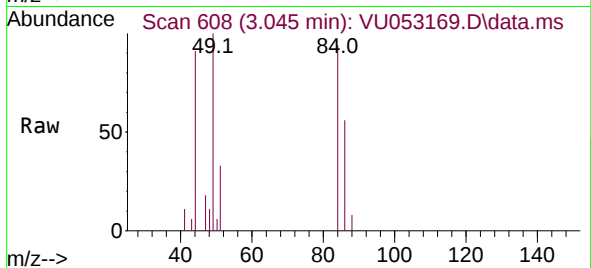
78 11.6 7.2 10.8#



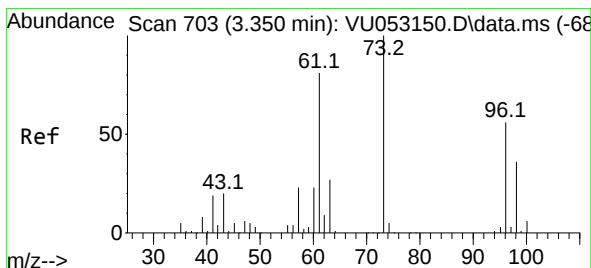
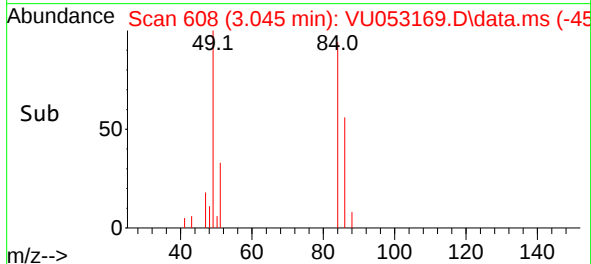
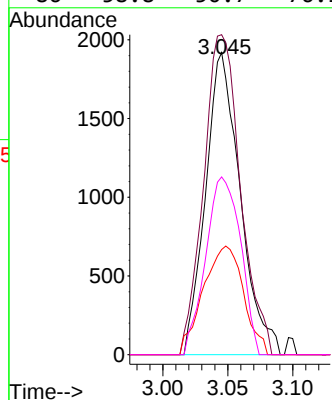


#15
Methylene Chloride
Concen: 0.476 ug/l
RT: 3.045 min Scan# 607
Delta R.T. 0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

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

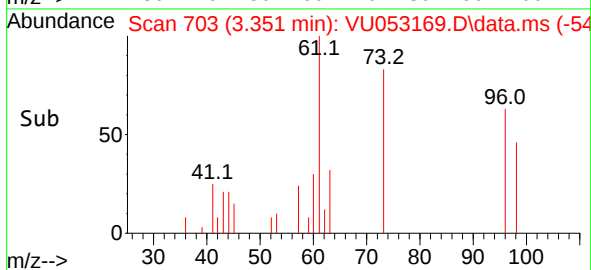
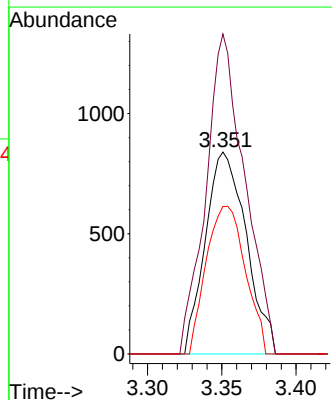
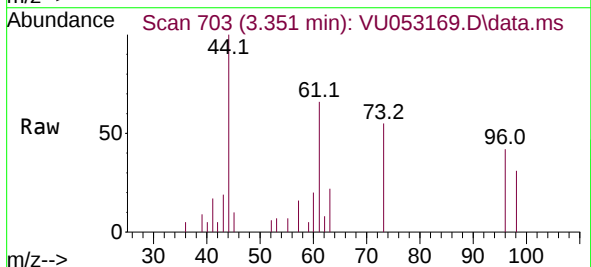


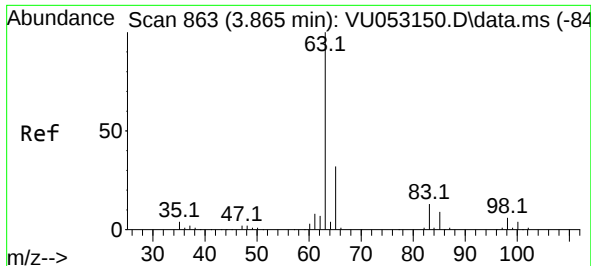
Tgt Ion: 84	Resp: 3566
Ion Ratio	Lower Upper
84 100	
49 105.9	99.5 149.3
51 34.8	0.0 76.8
86 58.8	50.7 76.1



#16
trans-1,2-Dichloroethene
Concen: 0.279 ug/l
RT: 3.351 min Scan# 703
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 96	Resp: 1609		
Ion Ratio	Lower	Upper	
96	100		
61	158.5	116.1	174.1
98	73.0	51.4	77.2

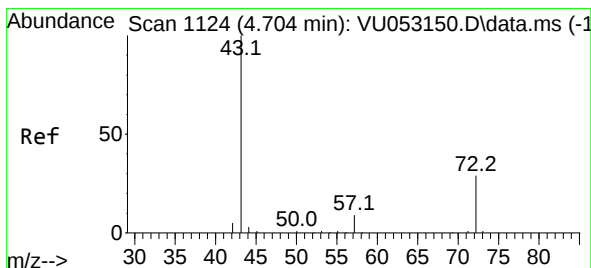
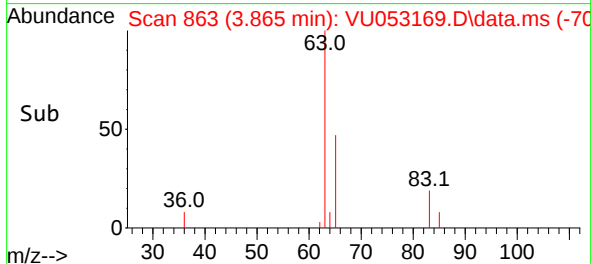
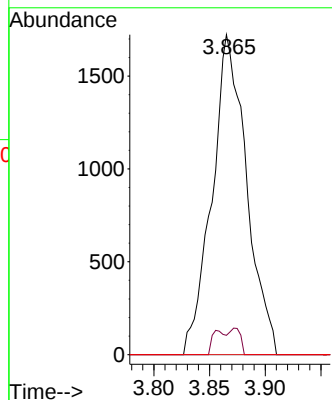
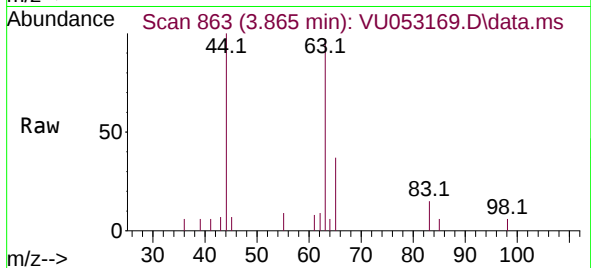




#17
1,1-Dichloroethane
Concen: 0.295 ug/l
RT: 3.865 min Scan# 863
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

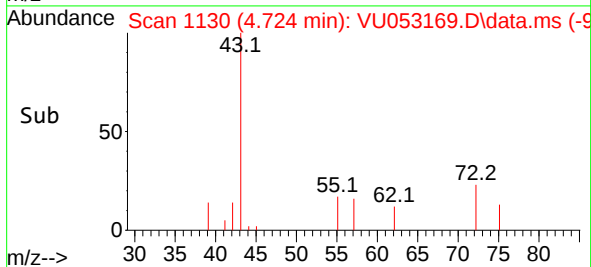
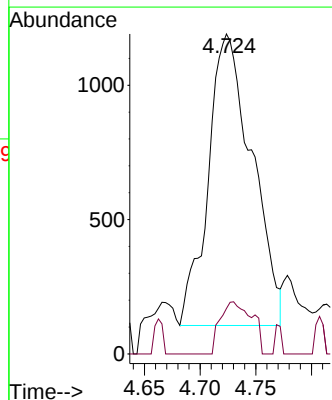
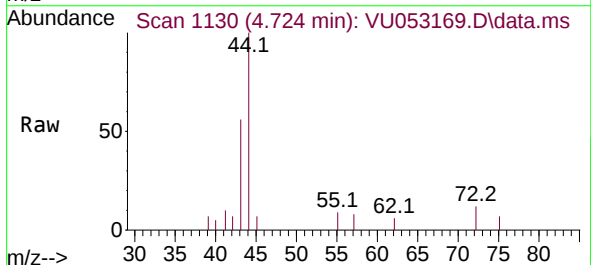
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

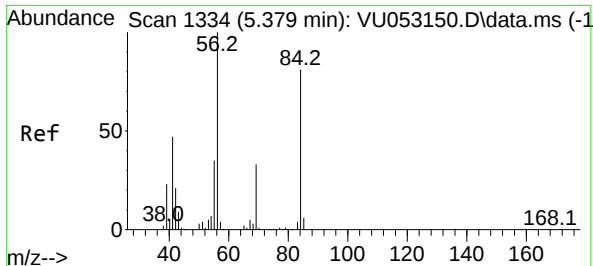
Tgt Ion: 63 Resp: 3718
Ion Ratio Lower Upper
63 100
98 6.0 3.1 9.4
100 0.0 2.1 6.2#



#18
2-Butanone
Concen: 1.289 ug/l
RT: 4.724 min Scan# 1130
Delta R.T. 0.020 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 43 Resp: 2968
Ion Ratio Lower Upper
43 100
57 15.6 0.0 17.6





#19

Cyclohexane

Concen: 0.243 ug/l

RT: 5.383 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

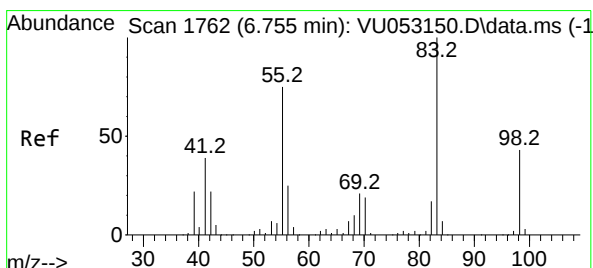
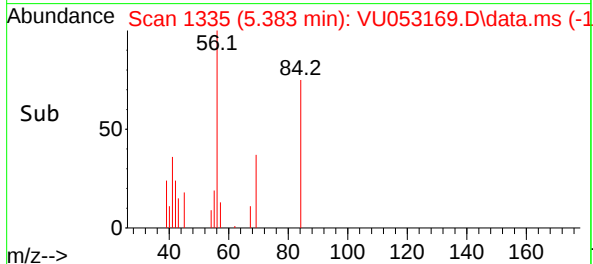
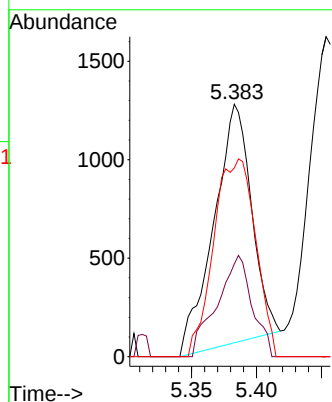
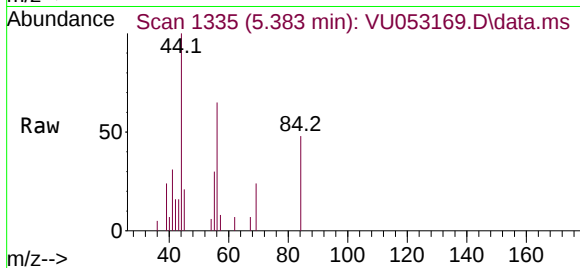
Tgt Ion: 56 Resp: 2450

Ion Ratio Lower Upper

56 100

69 39.4 26.1 39.1#

84 91.7 64.7 97.1



#20

Methylcyclohexane

Concen: 0.258 ug/l

RT: 6.759 min Scan# 1763

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

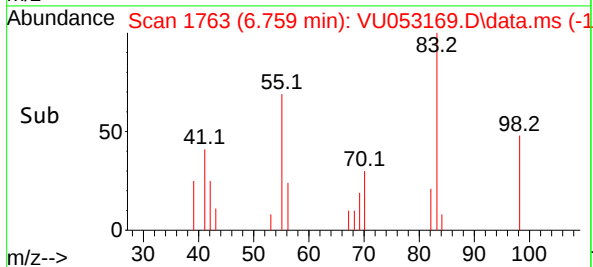
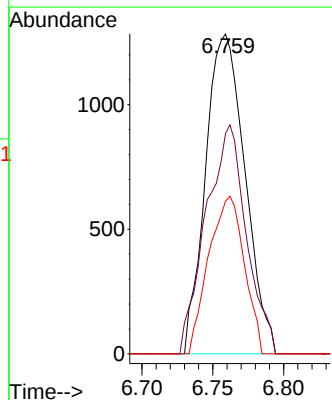
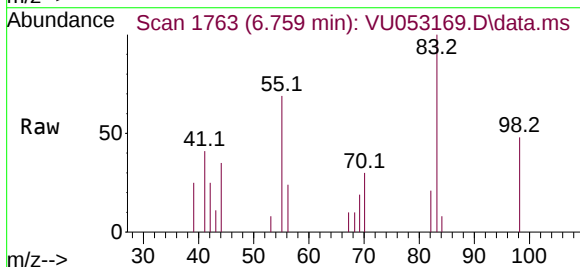
Tgt Ion: 83 Resp: 2491

Ion Ratio Lower Upper

83 100

55 73.3 60.2 90.2

98 44.3 33.9 50.9





#21

2,2-Dichloropropane

Concen: 0.317 ug/l

RT: 4.663 min Scan# 1111

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

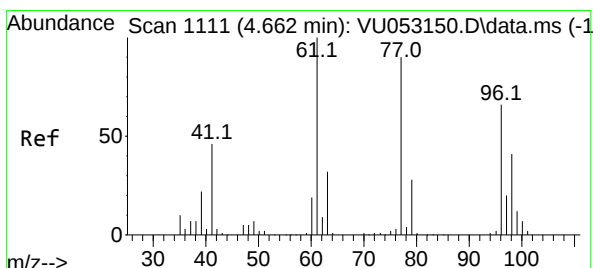
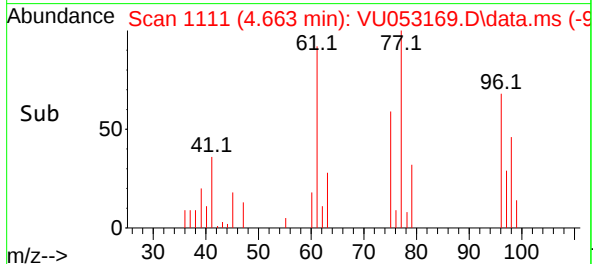
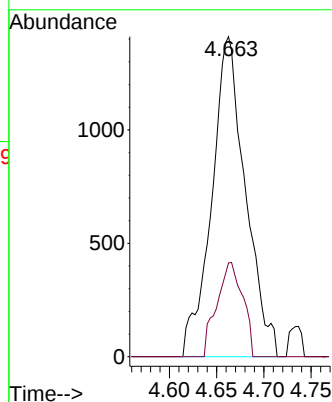
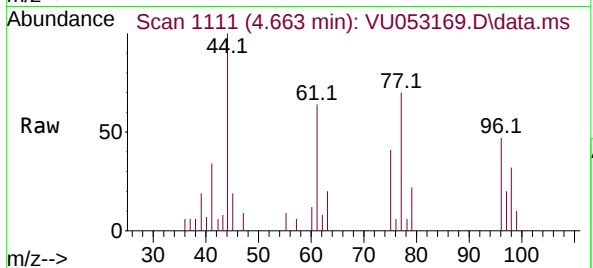
MDL-WATER-03-QT1-2023

Tgt Ion: 77 Resp: 3501

Ion Ratio Lower Upper

77 100

97 22.5 17.9 26.9



#22

cis-1,2-Dichloroethene

Concen: 0.282 ug/l

RT: 4.663 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

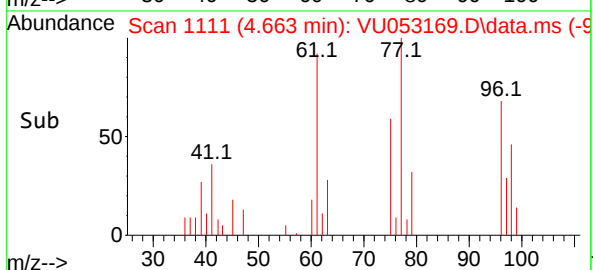
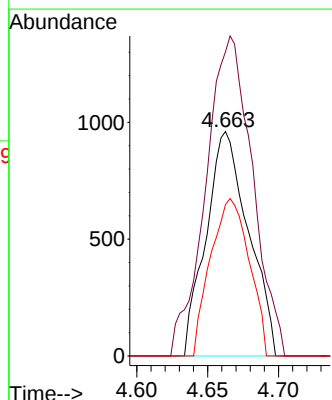
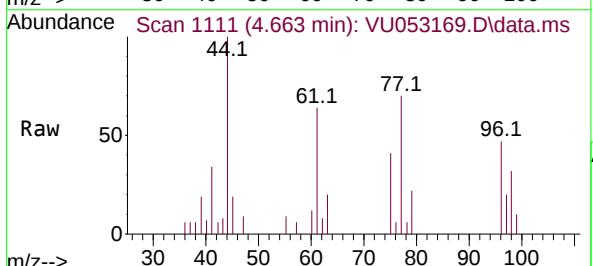
Tgt Ion: 96 Resp: 2002

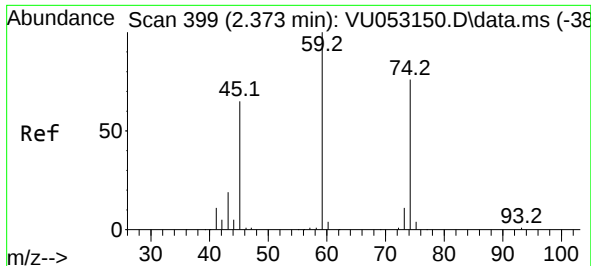
Ion Ratio Lower Upper

96 100

61 156.4 0.0 390.5

98 63.9 31.9 95.9





#23

Diethyl Ether

Concen: 0.273 ug/l

RT: 2.380 min Scan# 401

Delta R.T. 0.007 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

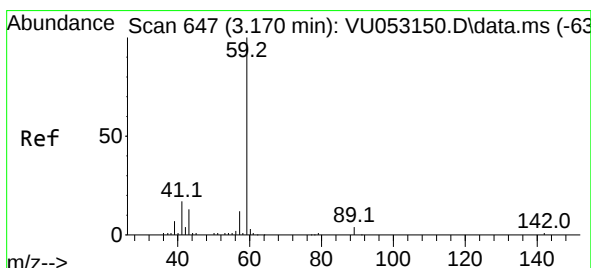
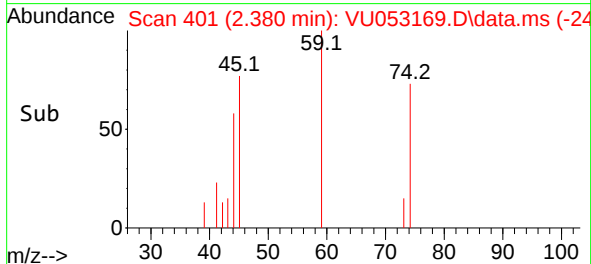
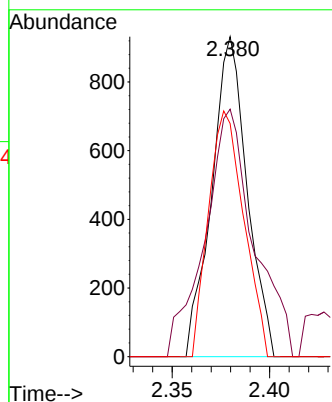
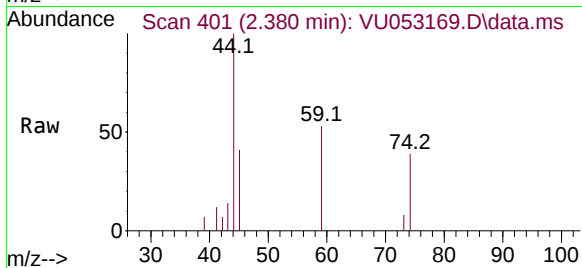
Tgt Ion: 59 Resp: 1172

Ion Ratio Lower Upper

59 100

45 106.5 54.2 81.2#

74 76.8 60.4 90.6



#24

tert-Butyl Alcohol

Concen: 0.333 ug/l

RT: 3.184 min Scan# 651

Delta R.T. 0.013 min

Lab File: VU053169.D

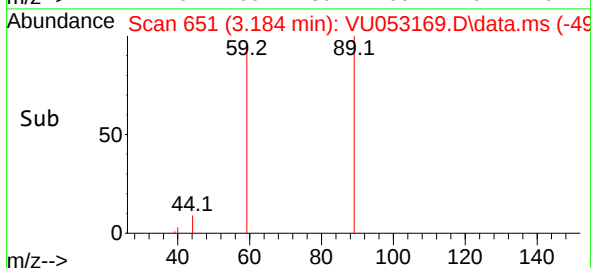
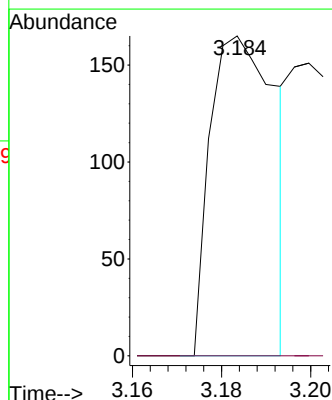
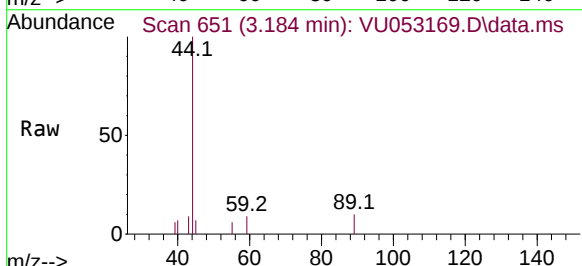
Acq: 28 Feb 2023 13:19

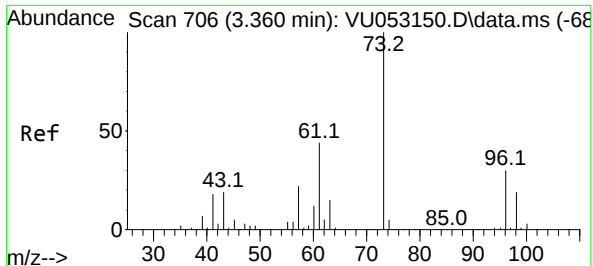
Tgt Ion: 59 Resp: 168

Ion Ratio Lower Upper

59 100

57 30.4 8.7 13.1#

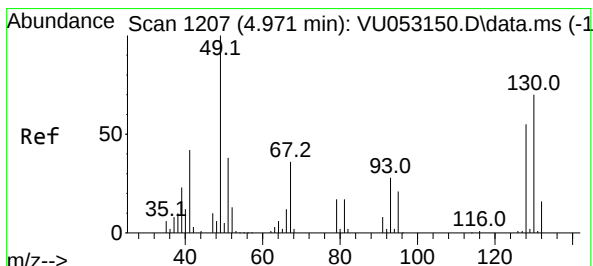
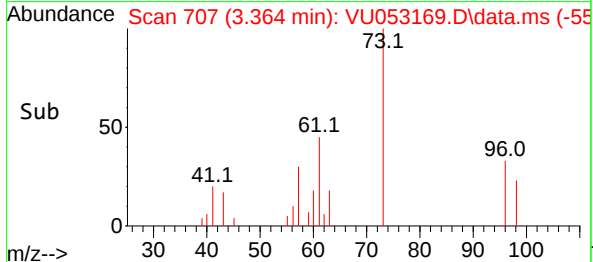
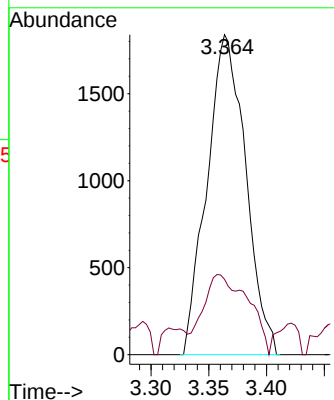
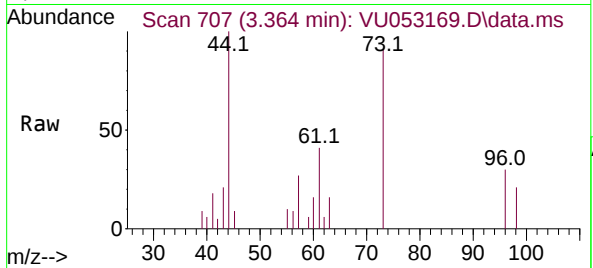




#25
Methyl tert-Butyl Ether
Concen: 0.281 ug/l
RT: 3.364 min Scan# 706
Delta R.T. 0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

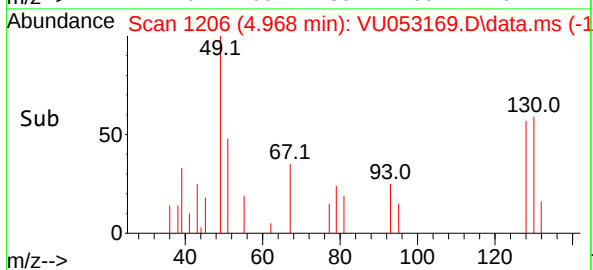
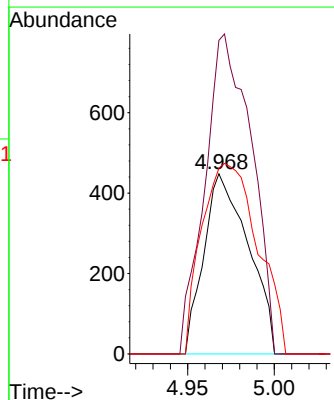
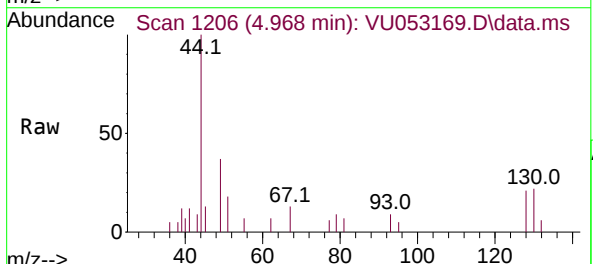
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 73 Resp: 4276
Ion Ratio Lower Upper
73 100
43 29.4 15.0 22.6#



#26
Bromochloromethane
Concen: 0.291 ug/l
RT: 4.968 min Scan# 1206
Delta R.T. -0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 128 Resp: 801
Ion Ratio Lower Upper
128 100
49 186.1 0.0 376.8
130 133.0 104.8 157.2





#27

Chloroform

Concen: 0.297 ug/l

RT: 5.087 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

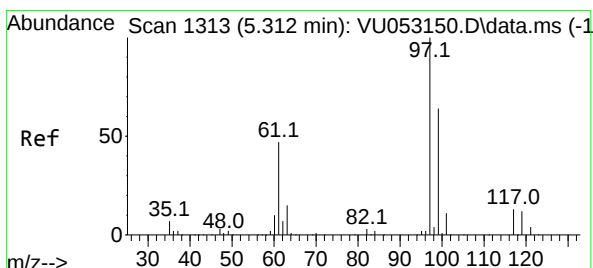
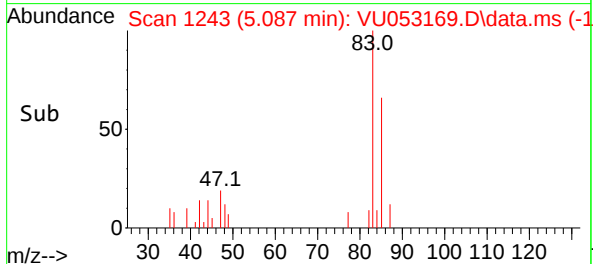
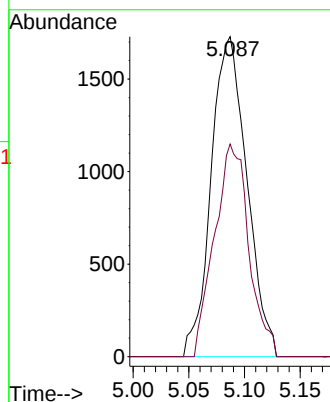
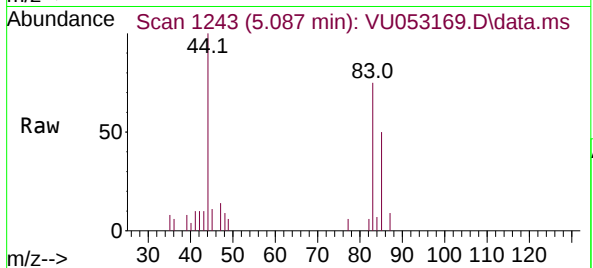
MDL-WATER-03-QT1-2023

Tgt Ion: 83 Resp: 3857

Ion Ratio Lower Upper

83 100

85 66.5 0.0 129.2



#28

1,1,1-Trichloroethane

Concen: 0.275 ug/l

RT: 5.315 min Scan# 1314

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

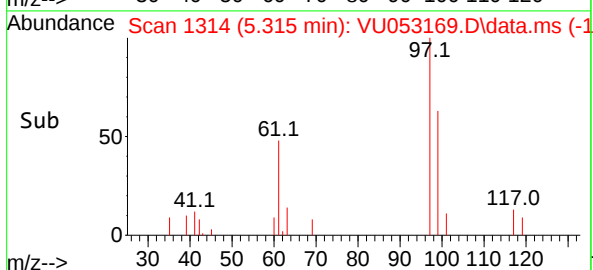
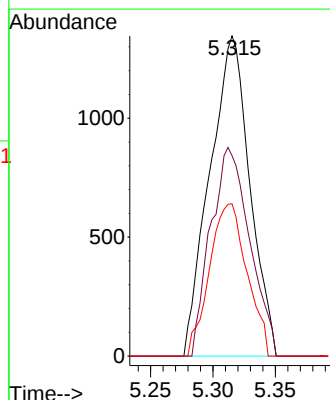
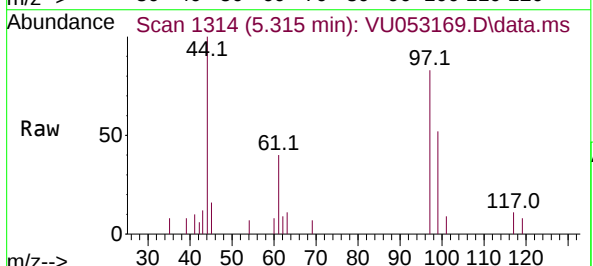
Tgt Ion: 97 Resp: 3001

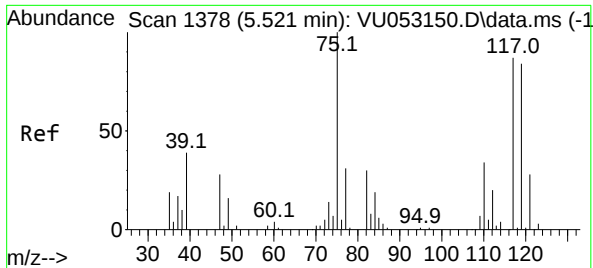
Ion Ratio Lower Upper

97 100

99 63.8 31.6 94.8

61 44.7 23.9 71.7





#29

1,1-Dichloropropene

Concen: 0.274 ug/l

RT: 5.521 min Scan# 1378

Delta R.T. 0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

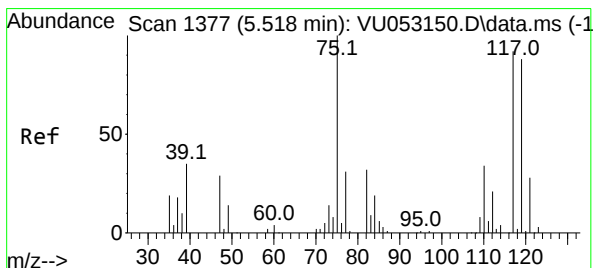
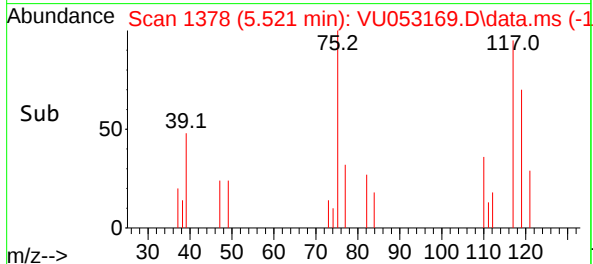
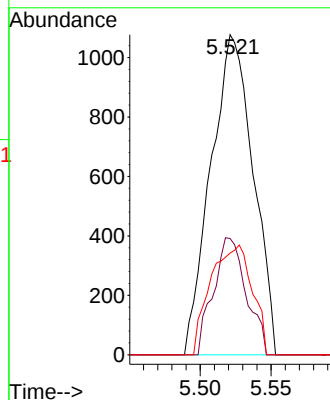
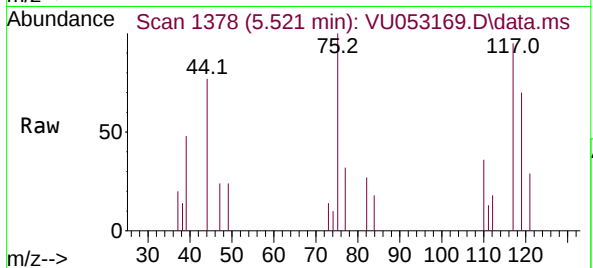
Tgt Ion: 75 Resp: 2241

Ion Ratio Lower Upper

75 100

110 28.4 16.3 48.8

77 33.6 24.9 37.3



#30

Carbon Tetrachloride

Concen: 0.269 ug/l

RT: 5.524 min Scan# 1379

Delta R.T. 0.007 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

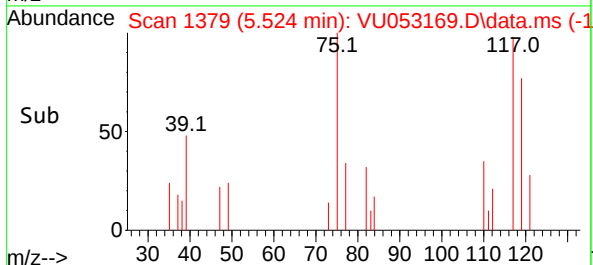
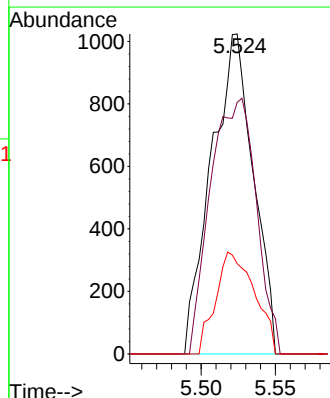
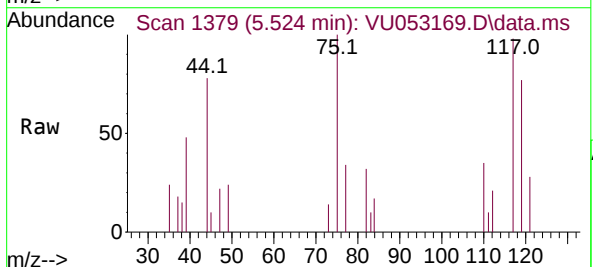
Tgt Ion: 117 Resp: 2017

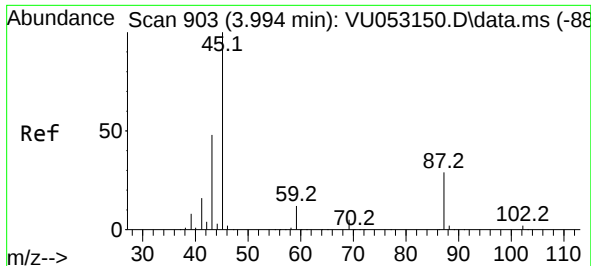
Ion Ratio Lower Upper

117 100

119 78.6 76.2 114.2

121 28.2 24.6 36.8

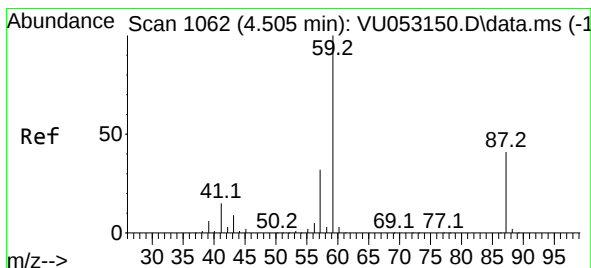
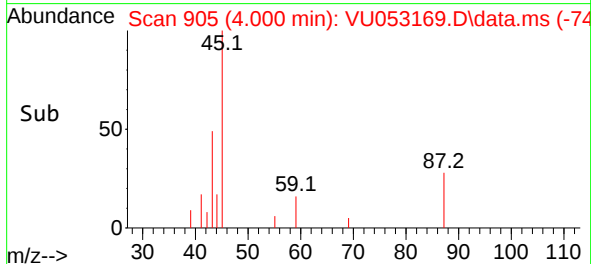
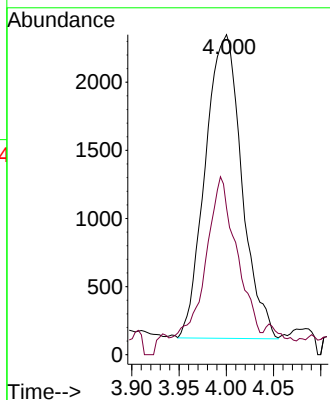
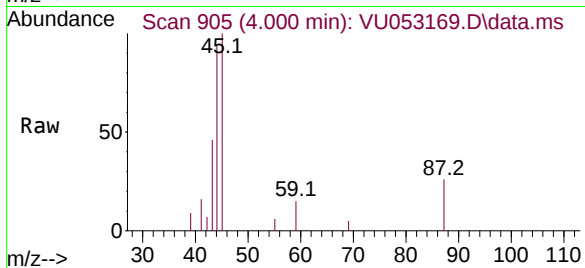




#31
Isopropyl Ether
Concen: 0.298 ug/l
RT: 4.000 min Scan# 903
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

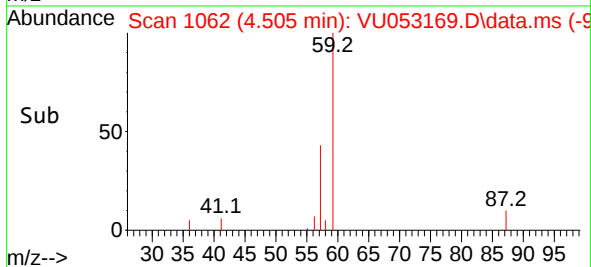
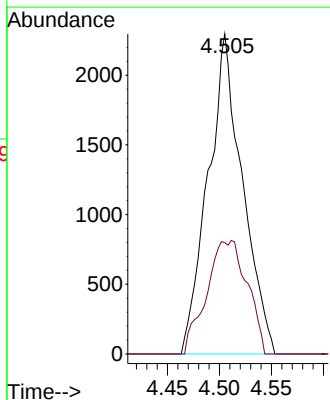
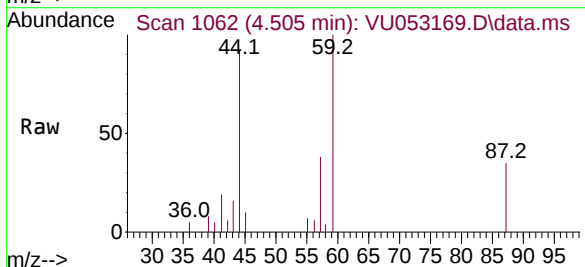
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

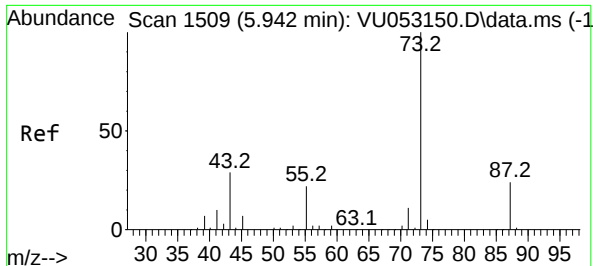
Tgt Ion: 45 Resp: 5987
Ion Ratio Lower Upper
45 100
43 49.6 24.4 73.2



#32
Ethyl-t-butyl ether
Concen: 0.278 ug/l
RT: 4.505 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 59 Resp: 5297
Ion Ratio Lower Upper
59 100
87 41.7 32.5 48.7

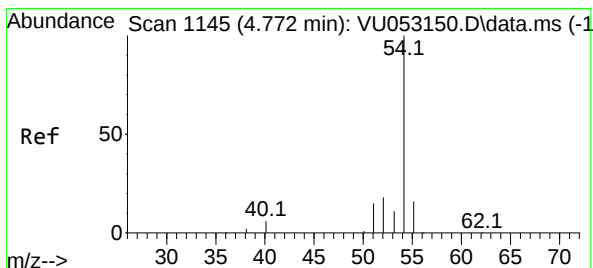
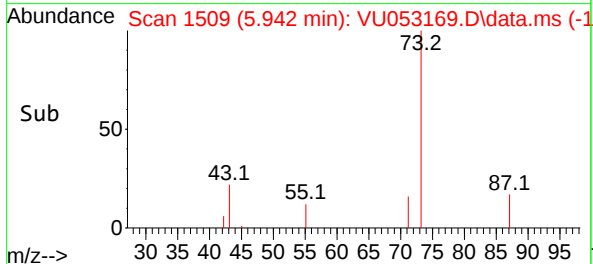
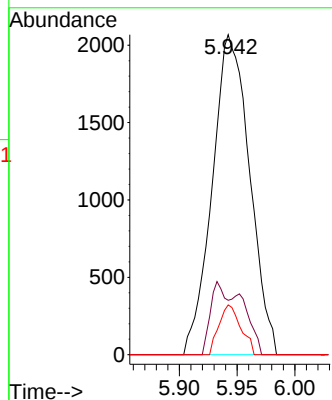
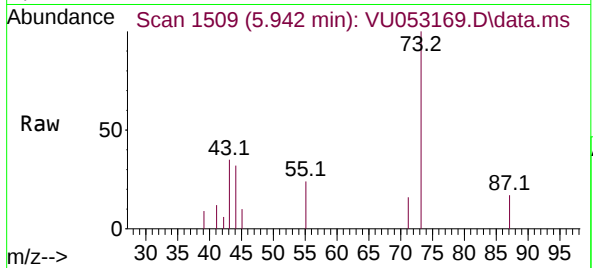




#33
Tert-Amyl methyl ether
Concen: 0.308 ug/l
RT: 5.942 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

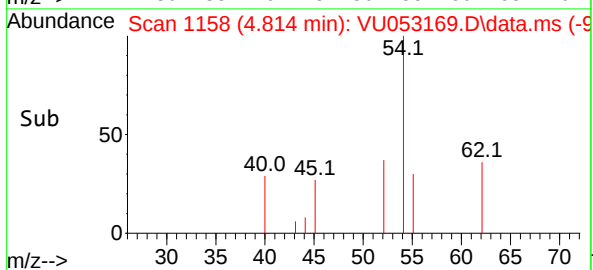
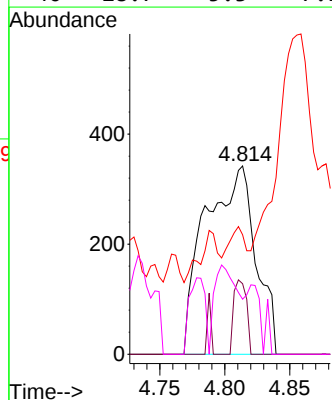
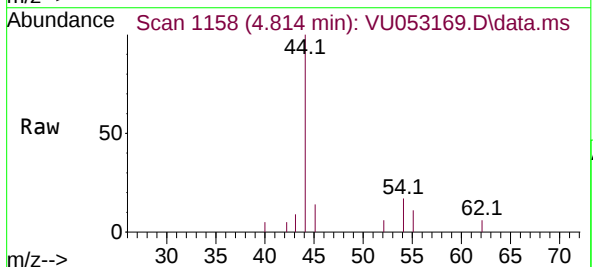
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

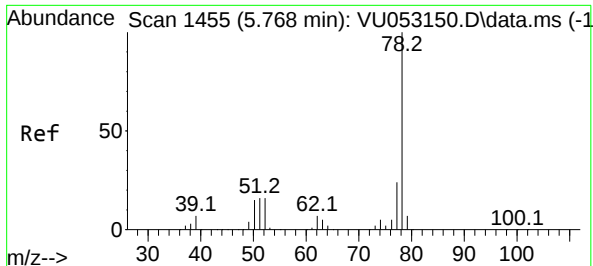
Tgt Ion: 73 Resp: 4652
Ion Ratio Lower Upper
73 100
87 9.9 19.0 28.4#
71 9.1 9.2 13.8#



#34
Propionitrile
Concen: 1.723 ug/l
RT: 4.814 min Scan# 1158
Delta R.T. 0.042 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 54 Resp: 923
Ion Ratio Lower Upper
54 100
52 10.0 16.5 24.7#
55 123.7 11.4 17.2#
40 28.7 5.3 7.9#





#35

Benzene

Concen: 0.286 ug/l

RT: 5.772 min Scan# 1455

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

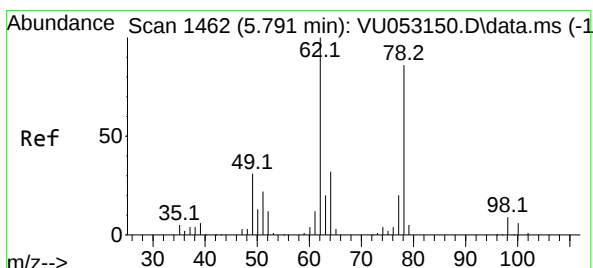
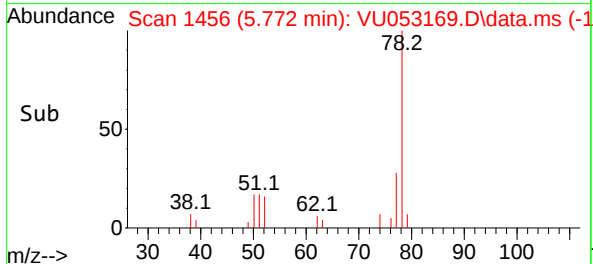
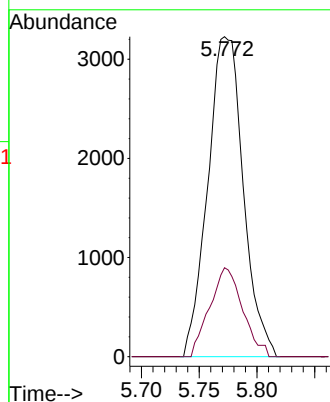
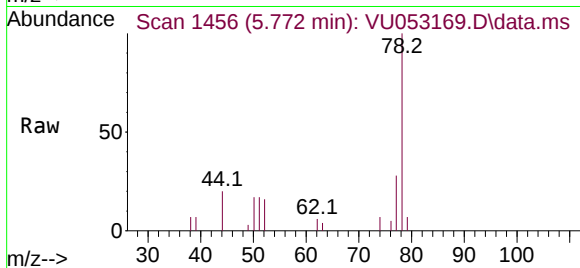
MDL-WATER-03-QT1-2023

Tgt Ion: 78 Resp: 6891

Ion Ratio Lower Upper

78 100

77 27.8 18.9 28.3



#36

1,2-Dichloroethane

Concen: 0.292 ug/l

RT: 5.798 min Scan# 1464

Delta R.T. 0.007 min

Lab File: VU053169.D

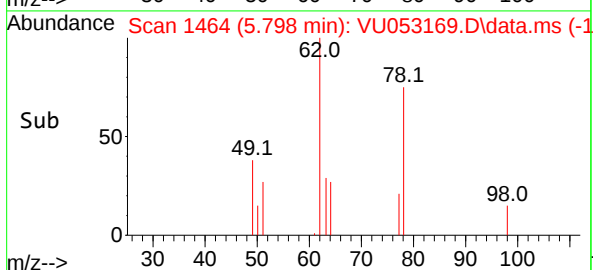
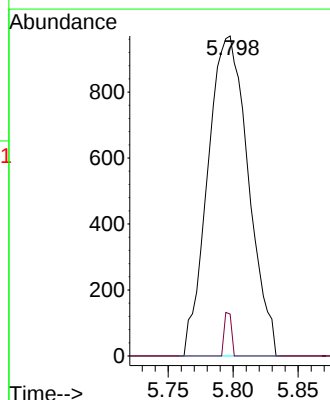
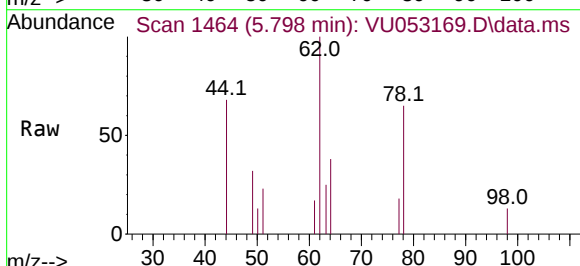
Acq: 28 Feb 2023 13:19

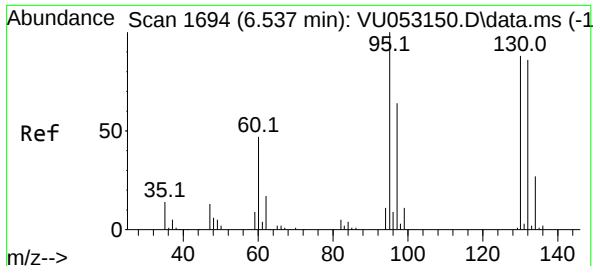
Tgt Ion: 62 Resp: 2104

Ion Ratio Lower Upper

62 100

98 2.4 7.0 10.4





#37

Trichloroethene

Concen: 0.276 ug/l

RT: 6.543 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

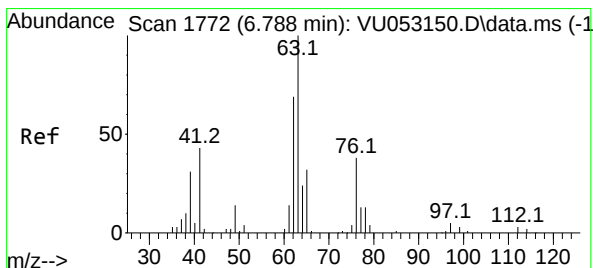
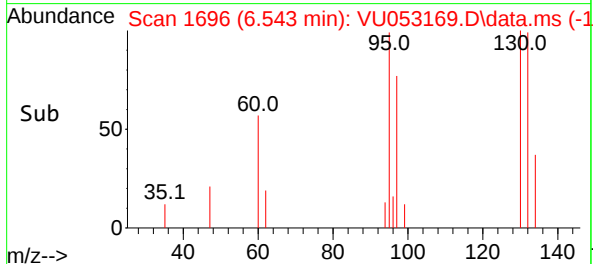
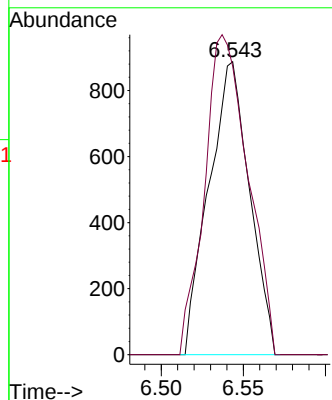
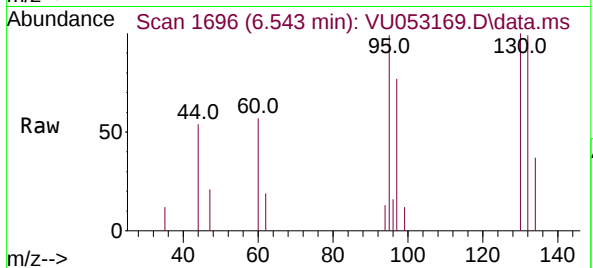
MDL-WATER-03-QT1-2023

Tgt Ion:130 Resp: 1527

Ion Ratio Lower Upper

130 100

95 98.5 91.1 136.7



#38

1,2-Dichloropropane

Concen: 0.273 ug/l

RT: 6.794 min Scan# 1774

Delta R.T. 0.007 min

Lab File: VU053169.D

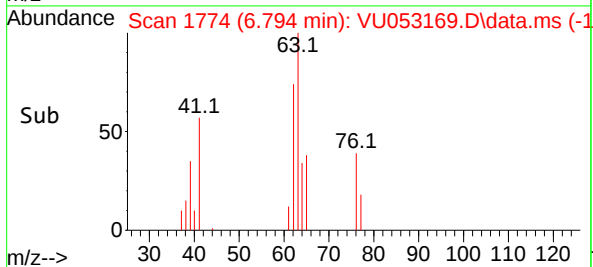
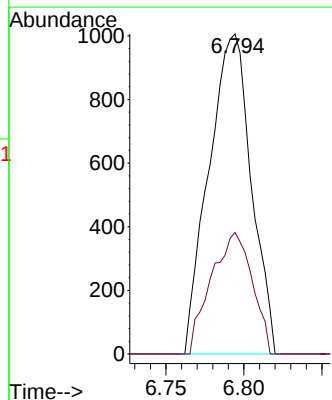
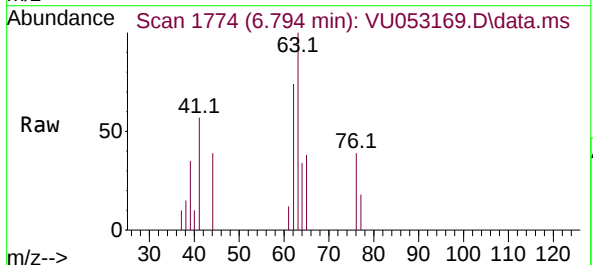
Acq: 28 Feb 2023 13:19

Tgt Ion: 63 Resp: 1903

Ion Ratio Lower Upper

63 100

65 38.0 25.5 38.3





#39

Methacrylonitrile

Concen: 0.072 ug/l

RT: 4.978 min Scan# 1172

Delta R.T. 0.003 min

Lab File: VU053169.D

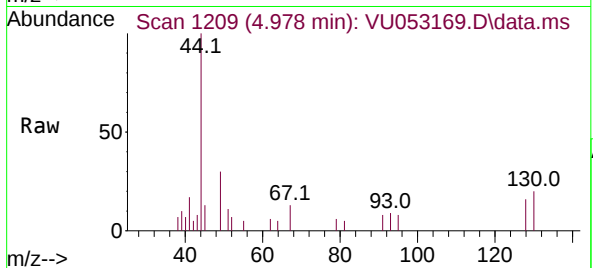
Acq: 28 Feb 2023 13:19

Instrument :

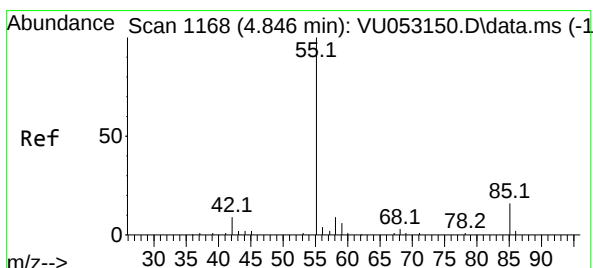
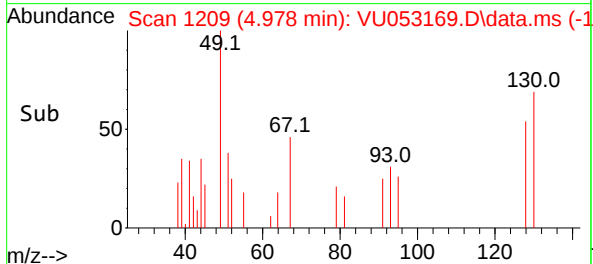
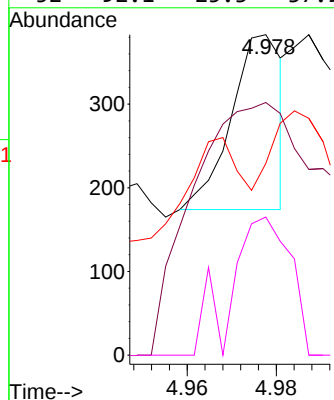
MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023



Tgt Ion:	41	Resp:	165
Ion	Ratio	Lower	Upper
41	100		
67	449.7	67.1	100.7#
39	257.0	42.6	64.0#
52	92.1	25.3	37.9#



#40

Methyl acrylate

Concen: 0.323 ug/l

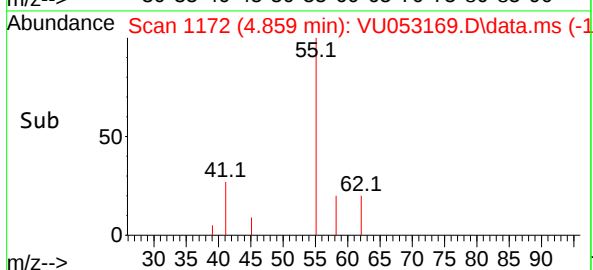
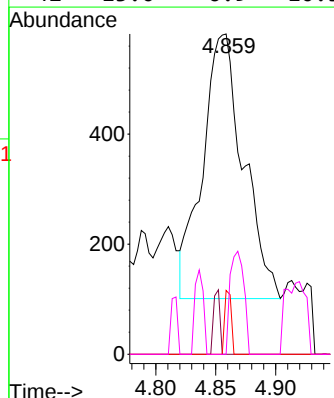
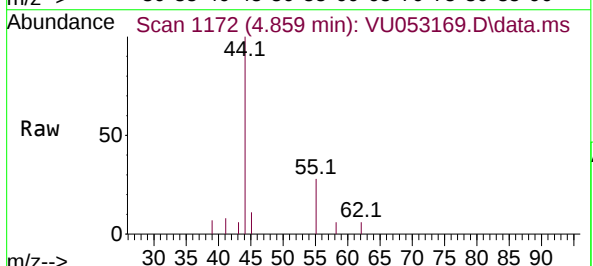
RT: 4.859 min Scan# 1172

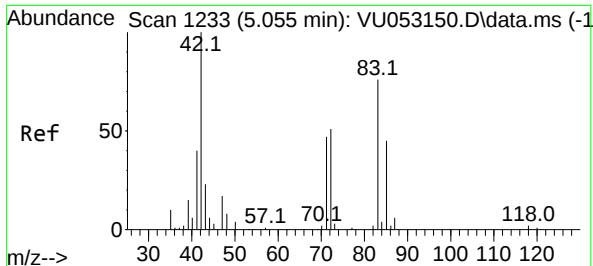
Delta R.T. 0.013 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Tgt Ion:	55	Resp:	1142
Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.5	20.3#
58	3.8	7.3	10.9#
42	13.0	6.9	10.3#

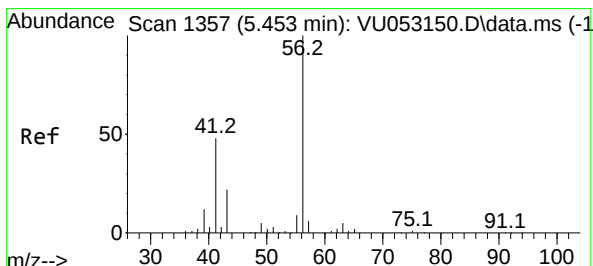
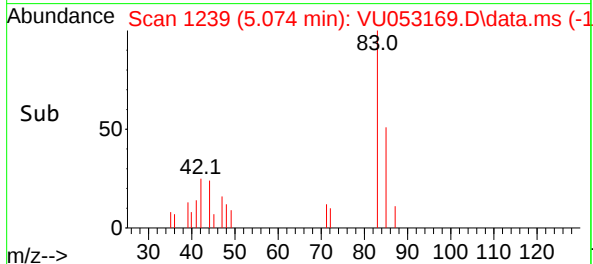
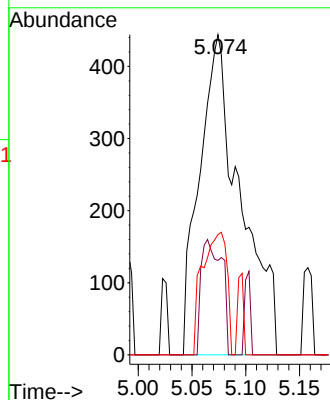
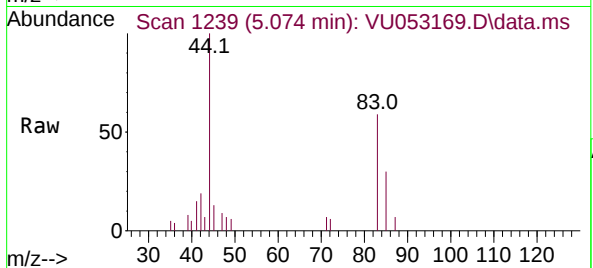




#41
Tetrahydrofuran
Concen: 1.050 ug/l
RT: 5.074 min Scan# 1239
Delta R.T. 0.020 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

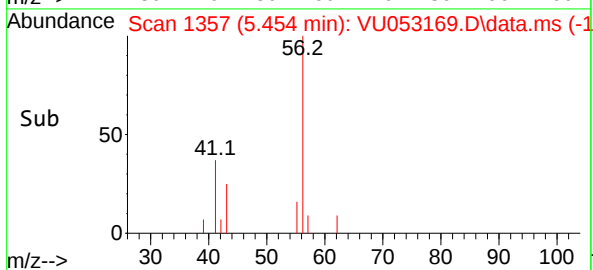
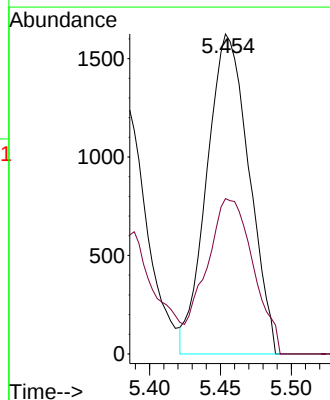
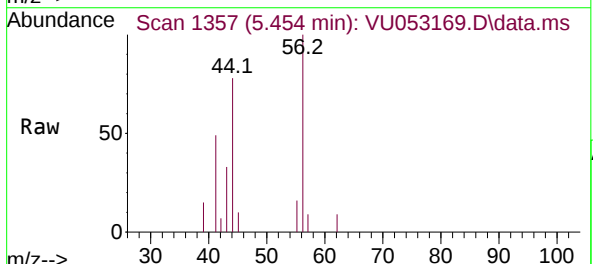
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

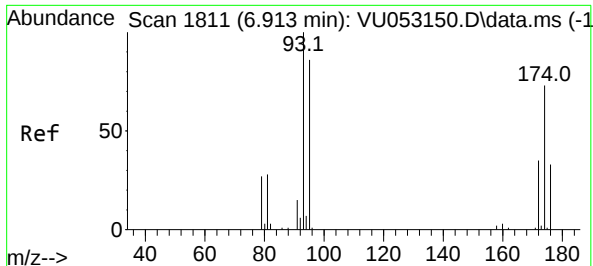
Tgt Ion: 42 Resp: 1177
Ion Ratio Lower Upper
42 100
72 18.1 41.6 62.4#
71 22.9 37.9 56.9#



#42
1-Chlorobutane
Concen: 0.295 ug/l
RT: 5.454 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 56 Resp: 3359
Ion Ratio Lower Upper
56 100
41 54.4 23.7 71.1

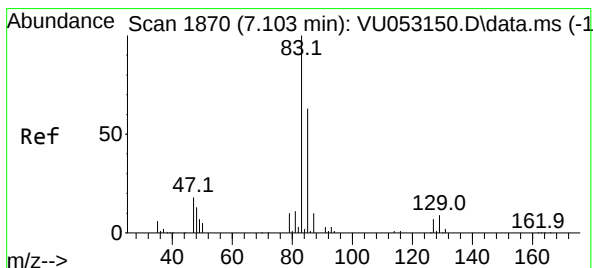
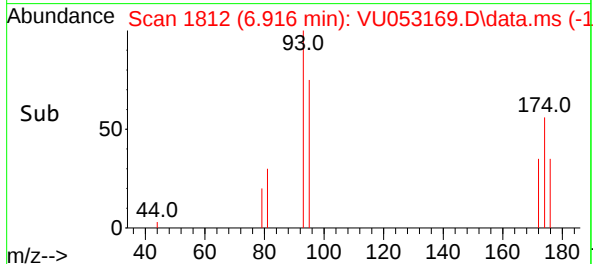
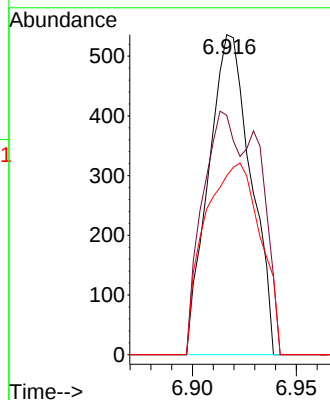
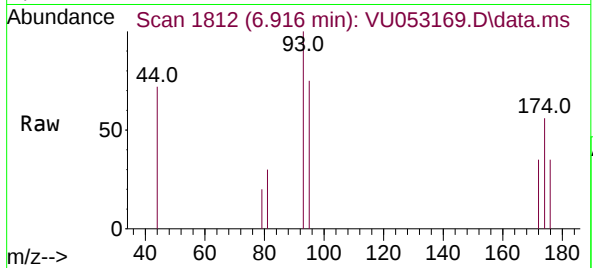




#43
Dibromomethane
Concen: 0.245 ug/l
RT: 6.916 min Scan# 1811
Delta R.T. 0.004 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

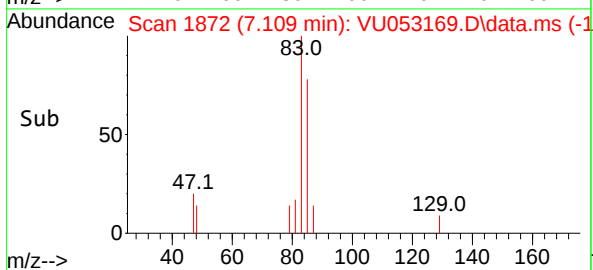
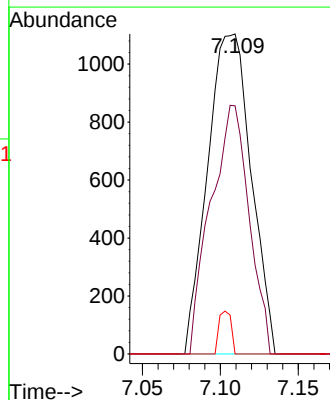
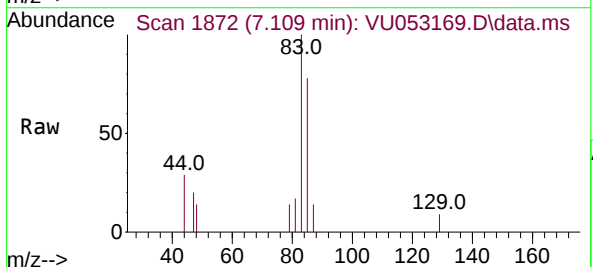
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

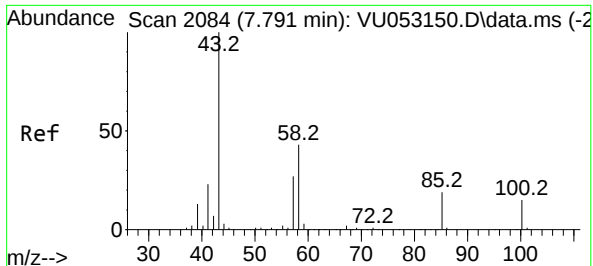
Tgt Ion: 93 Resp: 758
Ion Ratio Lower Upper
93 100
95 65.0 66.5 99.7#
174 78.8 58.2 87.4



#44
Bromodichloromethane
Concen: 0.254 ug/l
RT: 7.109 min Scan# 1872
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 83 Resp: 2151
Ion Ratio Lower Upper
83 100
85 77.5 50.6 75.8#
127 0.0 5.8 8.8#





#45

4-Methyl-2-Pentanone

Concen: 1.546 ug/l

RT: 7.794 min Scan# 2084

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

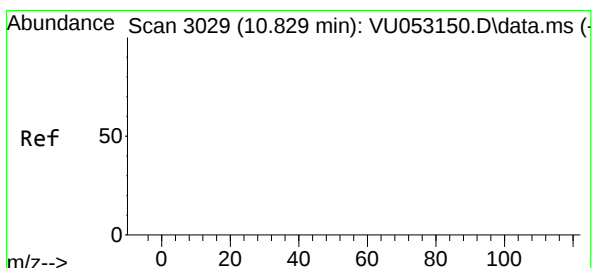
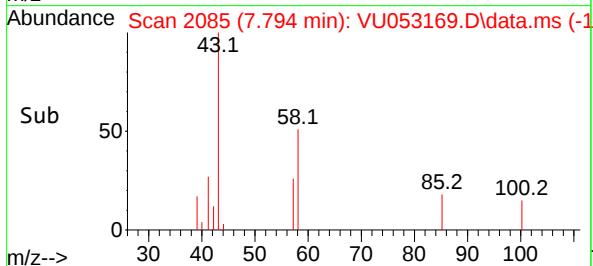
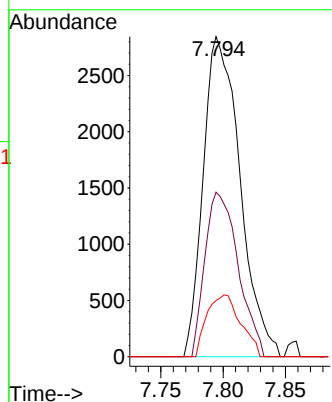
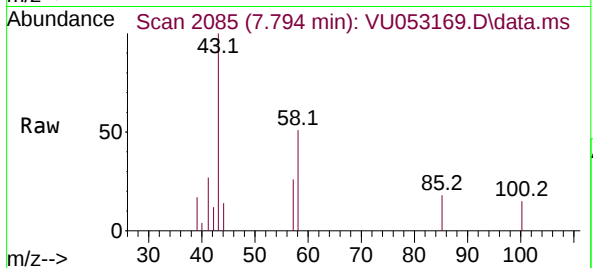
Tgt Ion: 43 Resp: 5838

Ion Ratio Lower Upper

43 100

58 46.4 22.0 66.0

85 17.7 15.7 23.5



#46

t-1,4-Dichloro-2-butene

Concen: 1.168 ug/l

RT: 10.823 min Scan# 3027

Delta R.T. -0.006 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Tgt Ion: 75 Resp: 2222

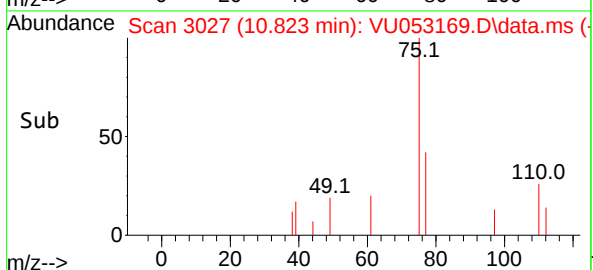
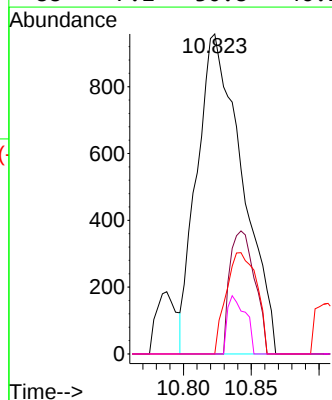
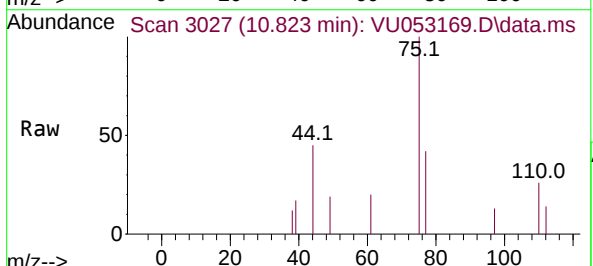
Ion Ratio Lower Upper

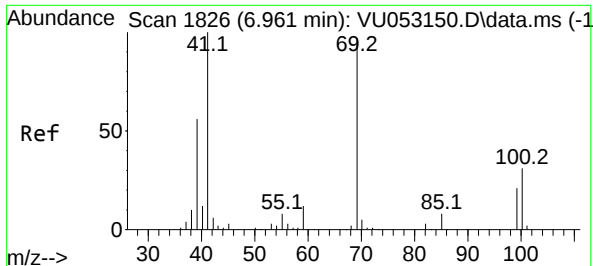
75 100

53 21.1 57.0 85.4#

89 7.2 43.1 64.7#

88 7.2 30.8 46.2#





#47

Methyl methacrylate

Concen: 0.631 ug/l

RT: 6.968 min Scan# 1826

Delta R.T. 0.007 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 69 Resp: 2010

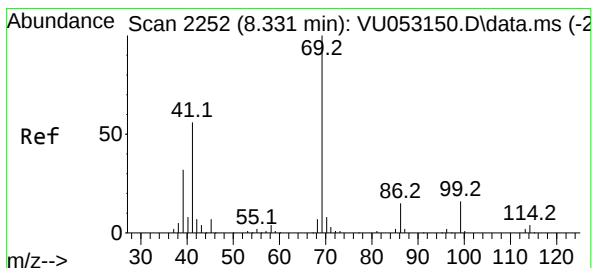
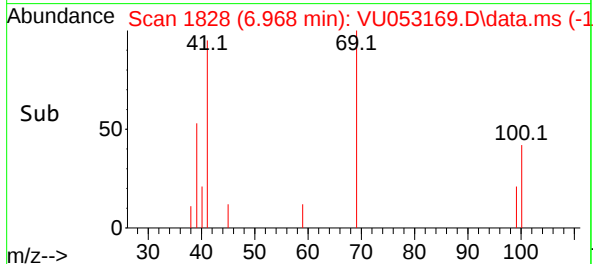
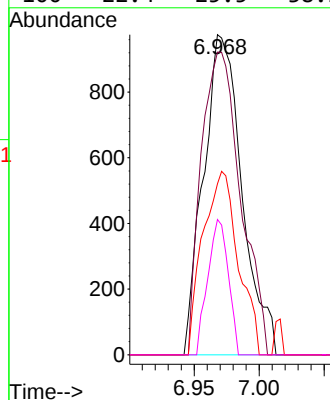
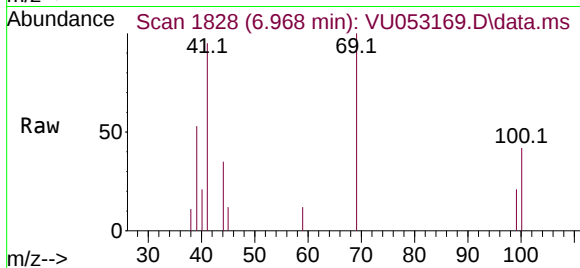
Ion Ratio Lower Upper

69 100

41 96.7 0.0 201.0

39 52.5 47.1 70.7

100 22.4 25.5 38.3#



#48

Ethyl methacrylate

Concen: 0.294 ug/l

RT: 8.334 min Scan# 2253

Delta R.T. 0.003 min

Lab File: VU053169.D

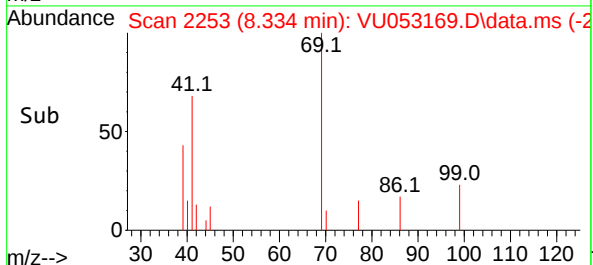
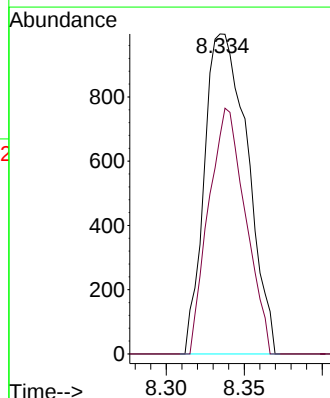
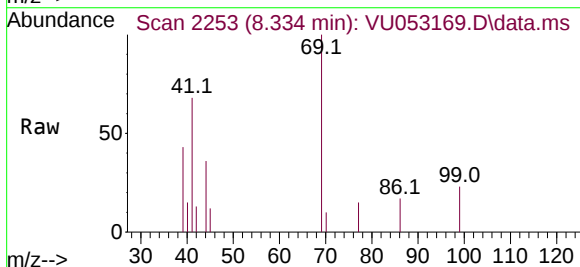
Acq: 28 Feb 2023 13:19

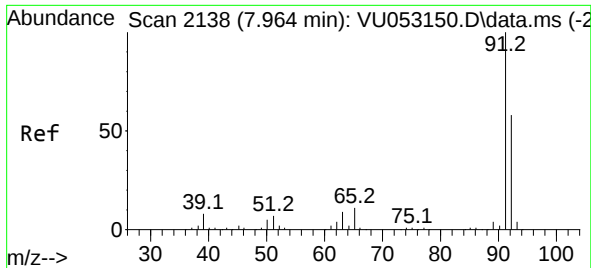
Tgt Ion: 69 Resp: 1918

Ion Ratio Lower Upper

69 100

41 65.7 28.2 84.6





#49

Toluene

Concen: 0.304 ug/l

RT: 7.971 min Scan# 2138

Delta R.T. 0.007 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

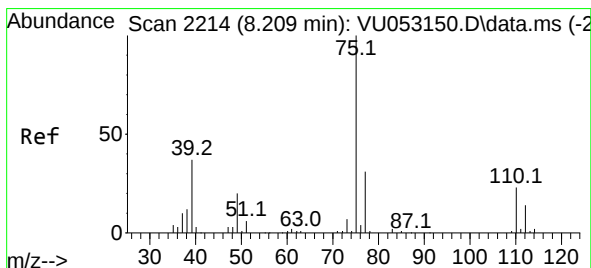
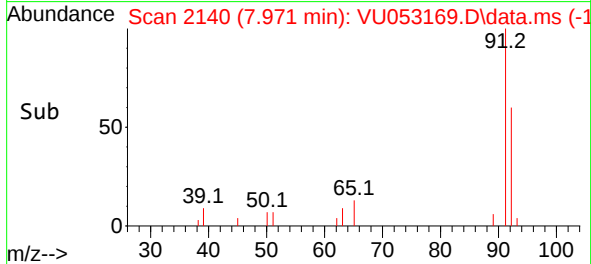
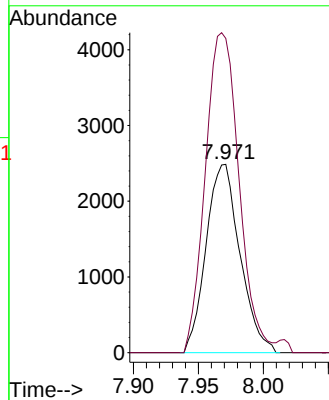
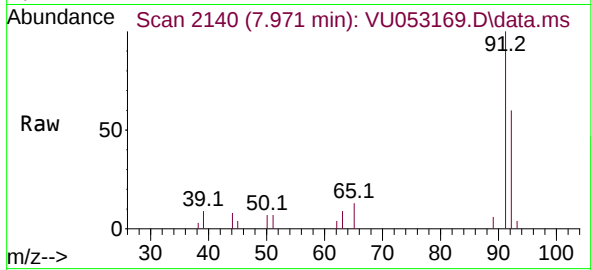
MDL-WATER-03-QT1-2023

Tgt Ion: 92 Resp: 4512

Ion Ratio Lower Upper

92 100

91 168.7 138.2 207.2



#50

t-1,3-Dichloropropene

Concen: 0.301 ug/l

RT: 8.209 min Scan# 2214

Delta R.T. 0.000 min

Lab File: VU053169.D

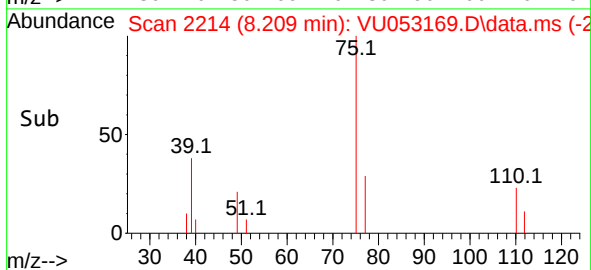
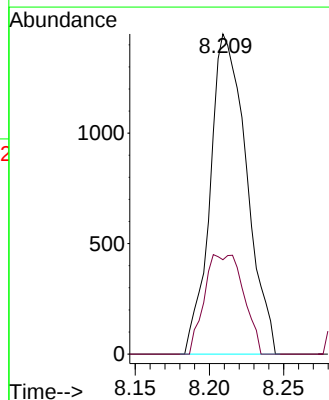
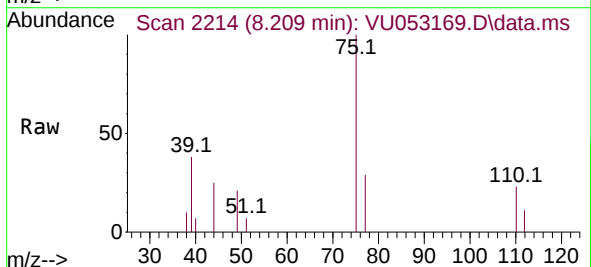
Acq: 28 Feb 2023 13:19

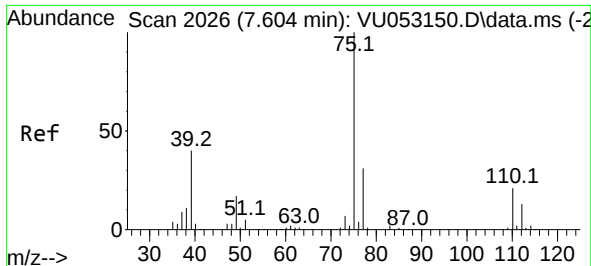
Tgt Ion: 75 Resp: 2470

Ion Ratio Lower Upper

75 100

77 29.5 25.1 37.7

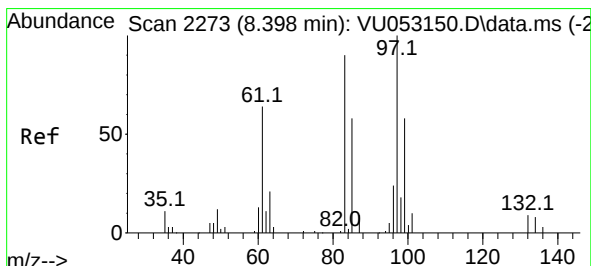
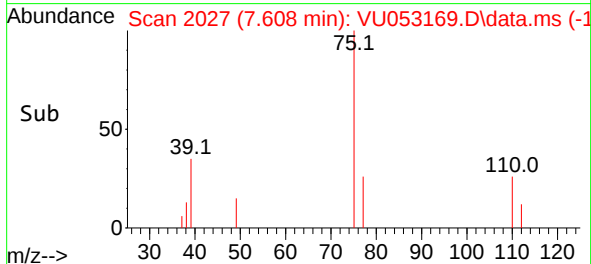
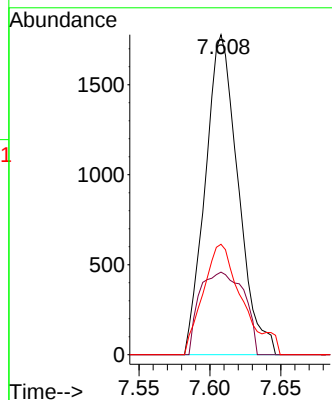
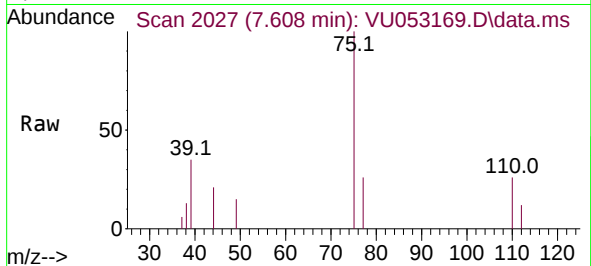




#51
 cis-1,3-Dichloropropene
 Concen: 0.287 ug/l
 RT: 7.608 min Scan# 2026
 Delta R.T. 0.003 min
 Lab File: VU053169.D
 Acq: 28 Feb 2023 13:19

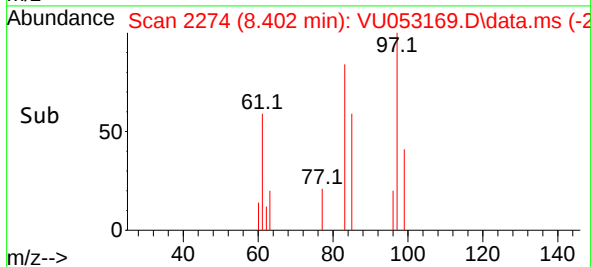
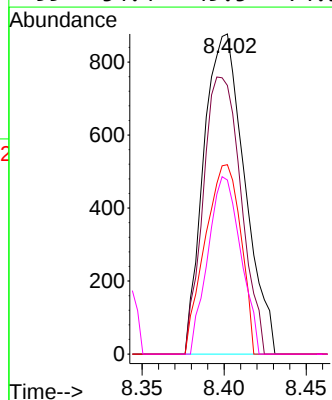
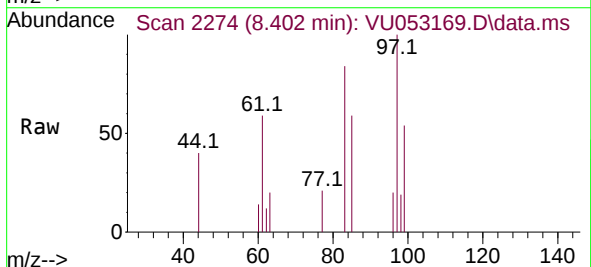
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2023

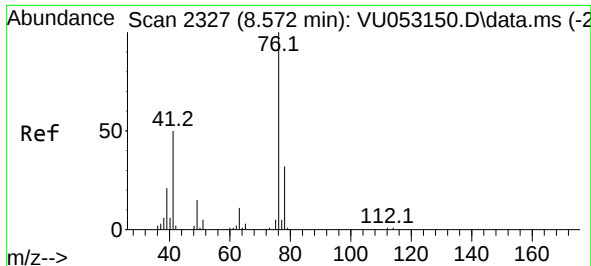
Tgt Ion: 75 Resp: 2860
 Ion Ratio Lower Upper
 75 100
 77 25.8 24.9 37.3
 39 34.5 32.2 48.2



#52
 1,1,2-Trichloroethane
 Concen: 0.334 ug/l
 RT: 8.402 min Scan# 2274
 Delta R.T. 0.003 min
 Lab File: VU053169.D
 Acq: 28 Feb 2023 13:19

Tgt Ion: 97 Resp: 1519
 Ion Ratio Lower Upper
 97 100
 83 83.9 71.9 107.9
 85 59.2 46.5 69.7
 99 54.4 49.5 74.3





#53

1,3-Dichloropropane

Concen: 0.307 ug/l

RT: 8.576 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

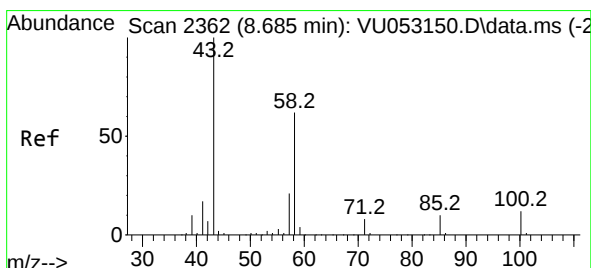
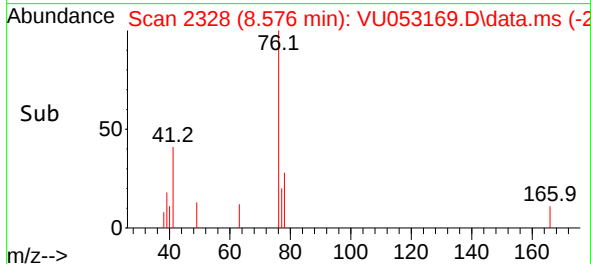
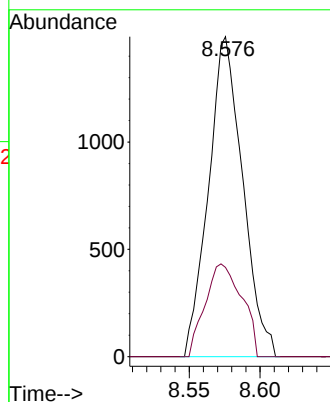
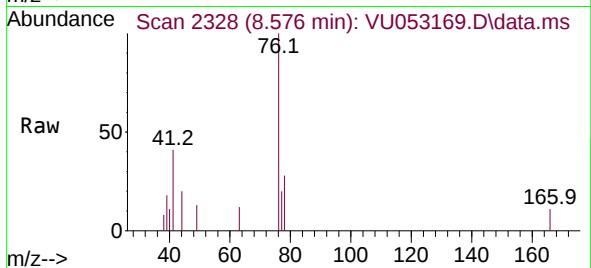
MDL-WATER-03-QT1-2023

Tgt Ion: 76 Resp: 2498

Ion Ratio Lower Upper

76 100

78 31.1 25.9 38.9



#54

2-Hexanone

Concen: 1.478 ug/l

RT: 8.695 min Scan# 2365

Delta R.T. 0.010 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

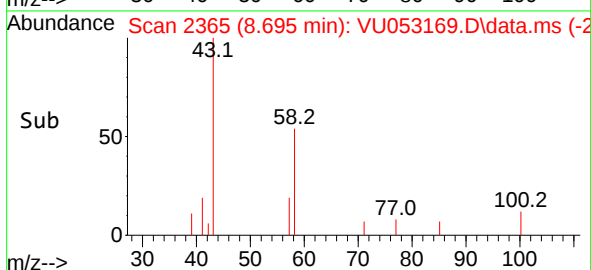
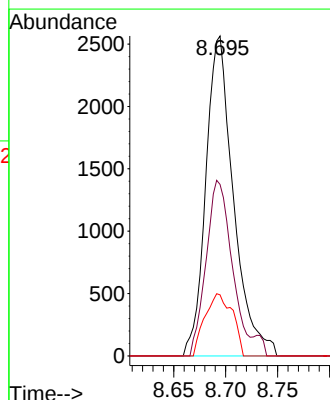
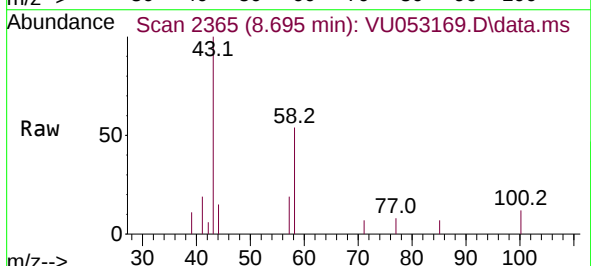
Tgt Ion: 43 Resp: 4755

Ion Ratio Lower Upper

43 100

58 51.5 42.0 82.0

57 19.3 1.2 41.2

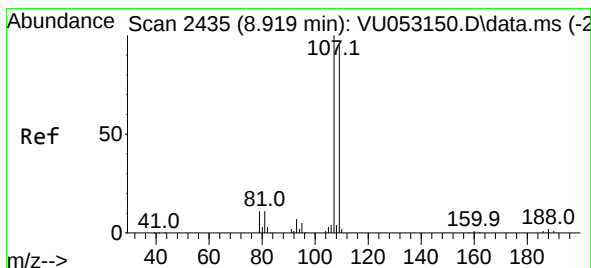
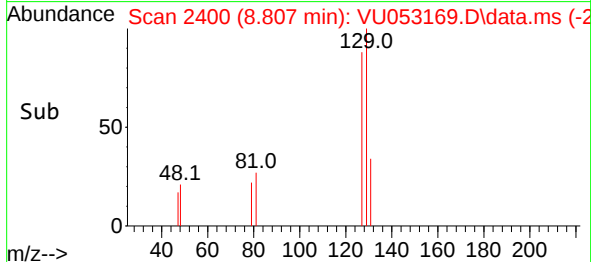
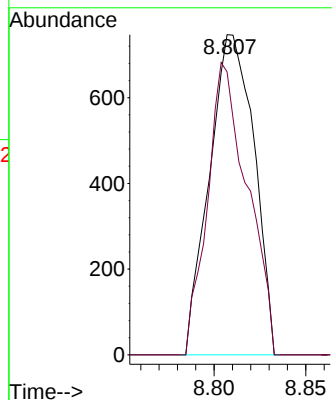
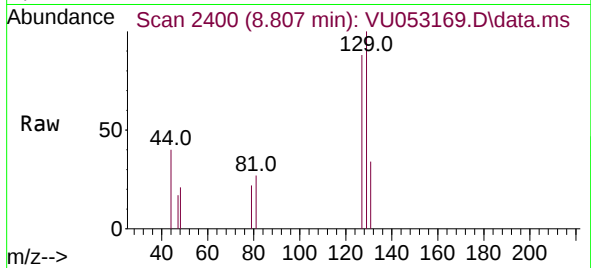




#55
Dibromochloromethane
Concen: 0.244 ug/l
RT: 8.807 min Scan# 2400
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

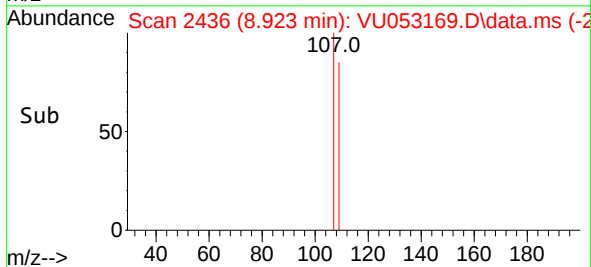
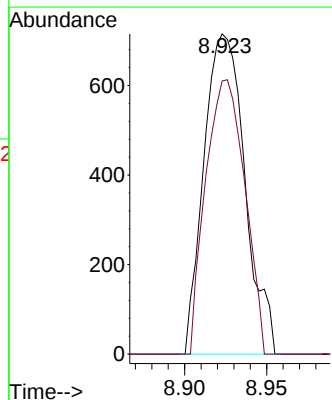
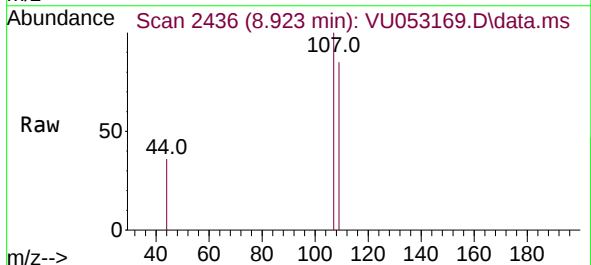
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

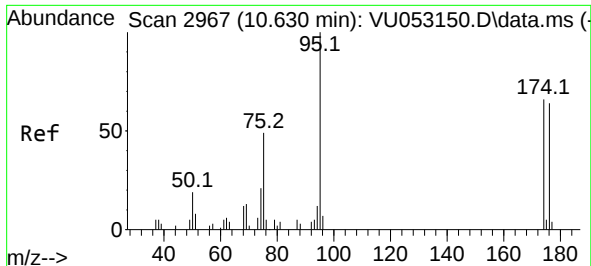
Tgt Ion:129 Resp: 1265
Ion Ratio Lower Upper
129 100
127 82.0 61.1 91.7



#56
1,2-Dibromoethane
Concen: 0.308 ug/l
RT: 8.923 min Scan# 2436
Delta R.T. 0.004 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion:107 Resp: 1244
Ion Ratio Lower Upper
107 100
109 81.6 0.0 186.2





#57

4-Bromofluorobenzene

Concen: 0.926 ug/l

RT: 10.633 min Scan# 2967

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

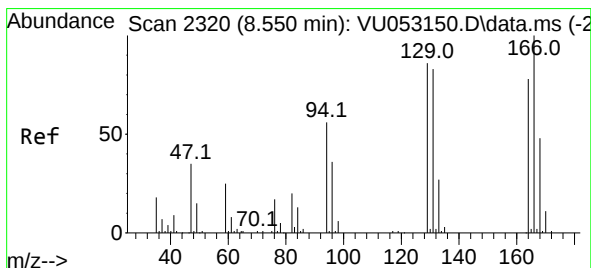
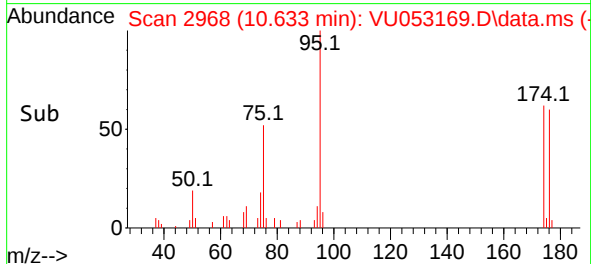
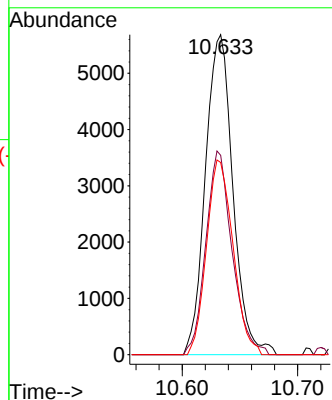
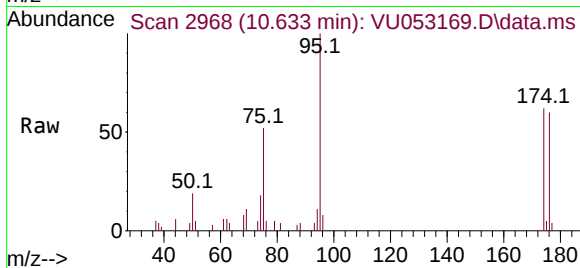
Tgt Ion: 95 Resp: 9410

Ion Ratio Lower Upper

95 100

174 60.7 50.7 76.1

176 58.7 47.8 71.6



#58

Tetrachloroethene

Concen: 0.259 ug/l

RT: 8.550 min Scan# 2320

Delta R.T. 0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Tgt Ion: 164 Resp: 1144

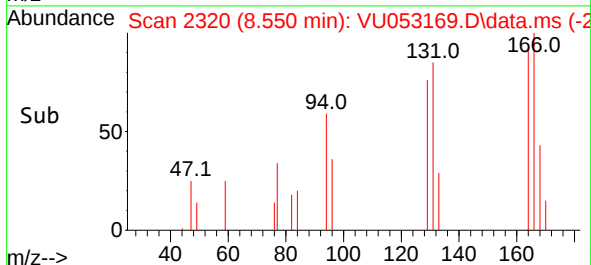
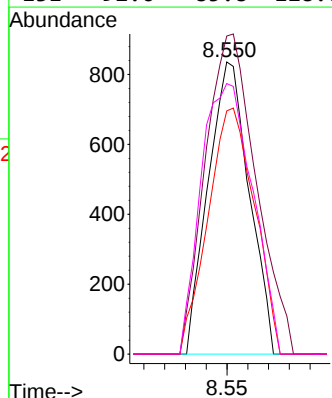
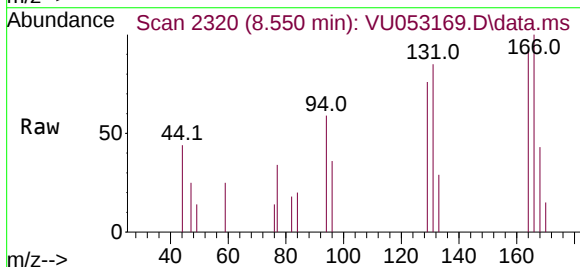
Ion Ratio Lower Upper

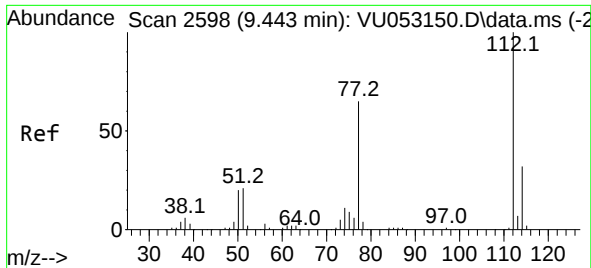
164 100

166 108.9 103.2 154.8

129 83.3 88.8 133.2#

131 92.6 85.8 128.6





#59

Chlorobenzene

Concen: 0.308 ug/l

RT: 9.444 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

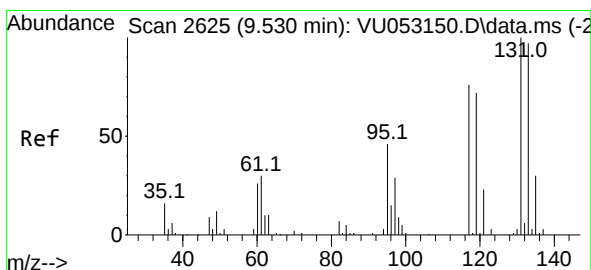
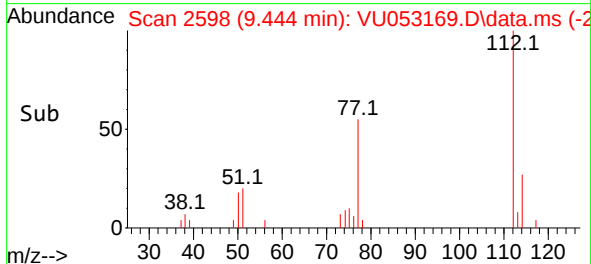
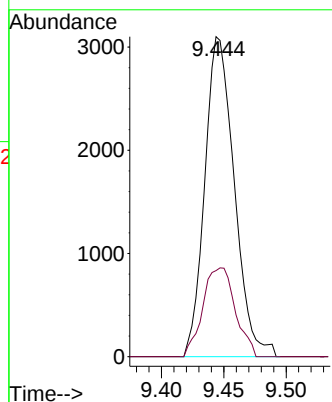
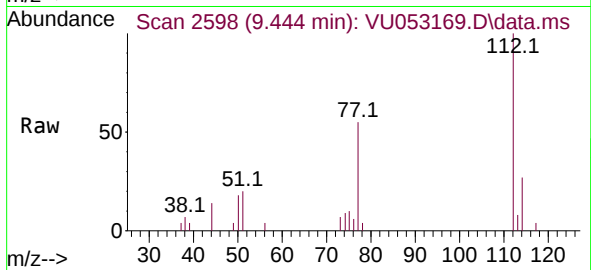
MDL-WATER-03-QT1-2023

Tgt Ion:112 Resp: 5109

Ion Ratio Lower Upper

112 100

114 26.9 25.8 38.6



#60

1,1,1,2-Tetrachloroethane

Concen: 0.295 ug/l

RT: 9.527 min Scan# 2624

Delta R.T. -0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

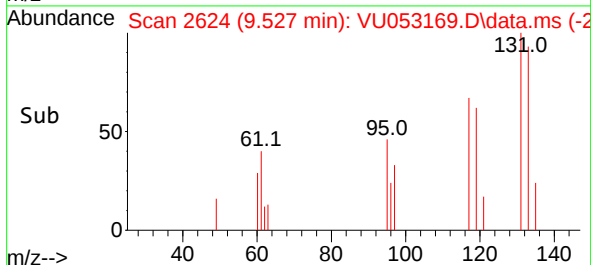
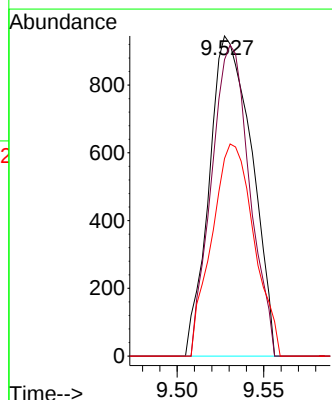
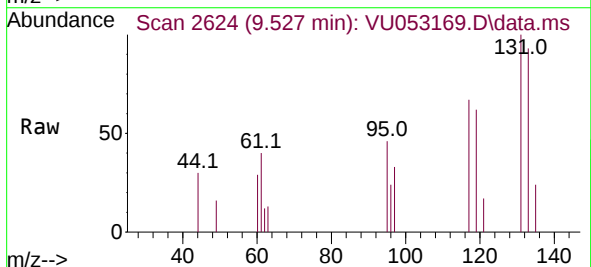
Tgt Ion:131 Resp: 1617

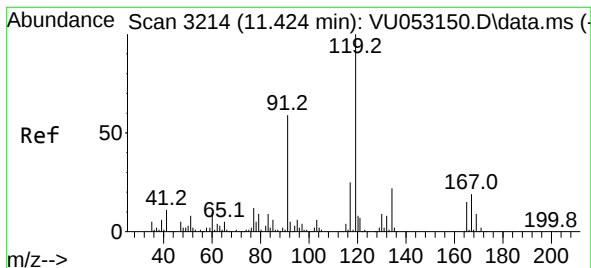
Ion Ratio Lower Upper

131 100

133 87.1 76.7 115.1

119 65.7 57.6 86.4





#61

Pentachloroethane

Concen: 0.264 ug/l

RT: 11.424 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

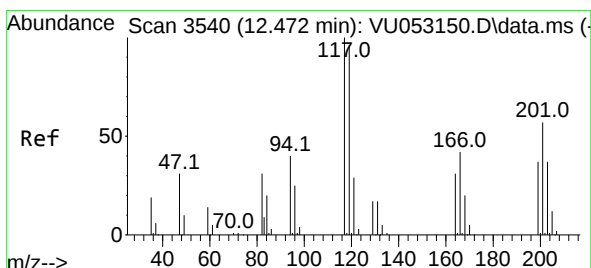
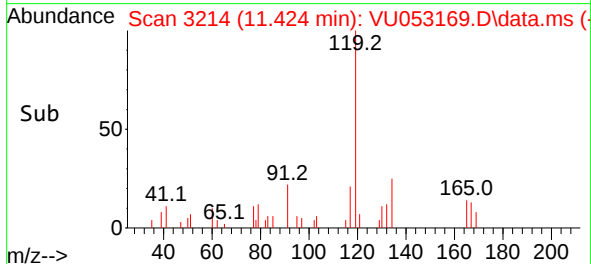
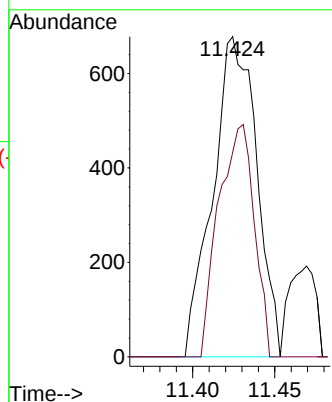
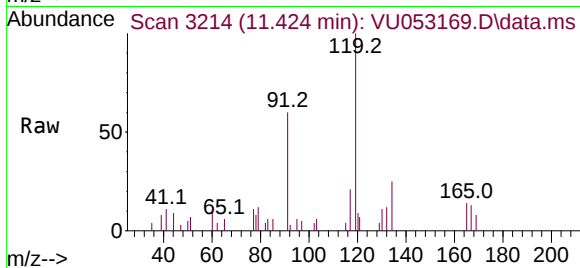
MDL-WATER-03-QT1-2023

Tgt Ion:117 Resp: 1259

Ion Ratio Lower Upper

117 100

167 58.8 57.5 86.3



#62

Hexachloroethane

Concen: 0.241 ug/l

RT: 12.469 min Scan# 3539

Delta R.T. -0.003 min

Lab File: VU053169.D

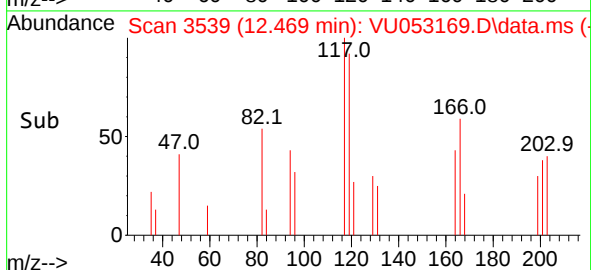
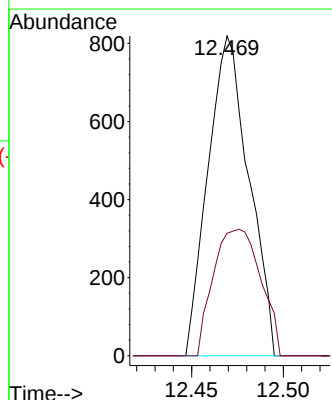
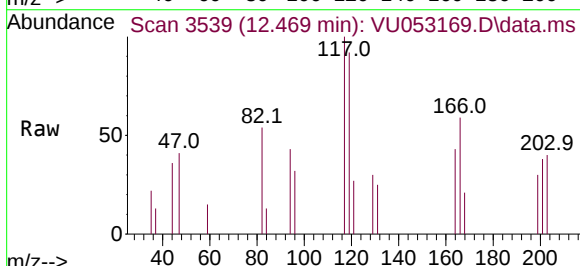
Acq: 28 Feb 2023 13:19

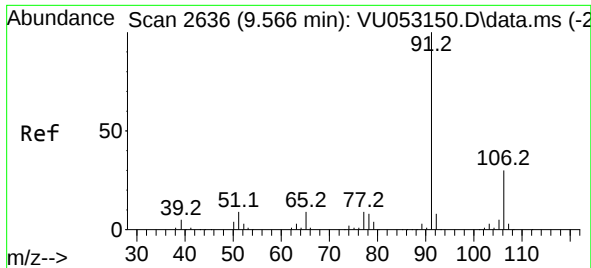
Tgt Ion:117 Resp: 1267

Ion Ratio Lower Upper

117 100

201 45.9 46.7 70.1#

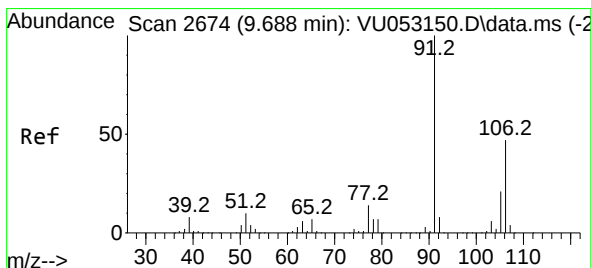
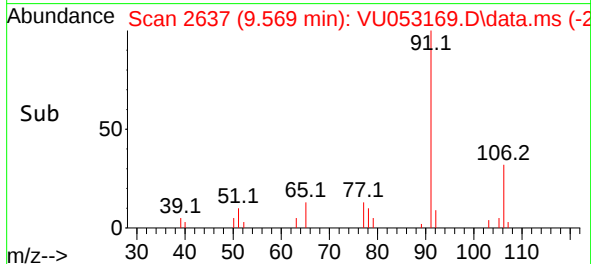
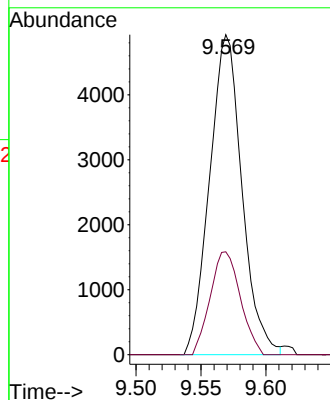
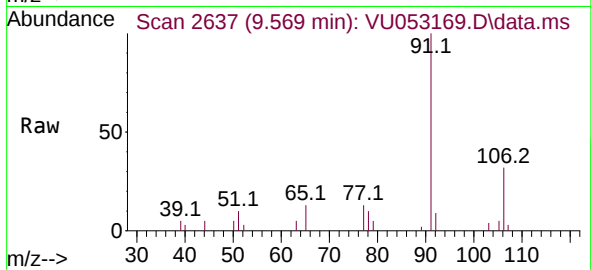




#63
Ethyl Benzene
Concen: 0.278 ug/l
RT: 9.569 min Scan# 2636
Delta R.T. 0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

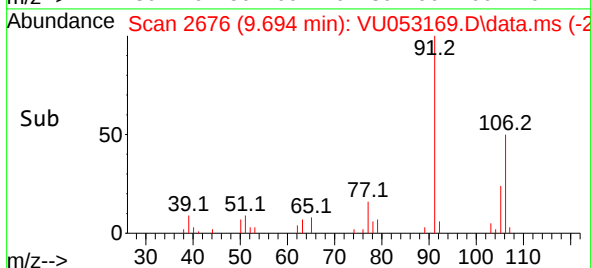
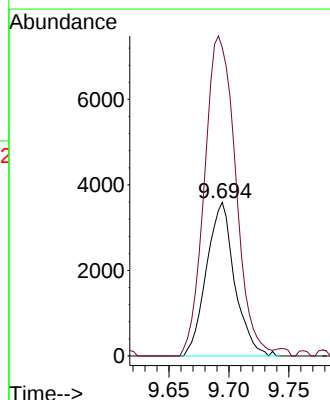
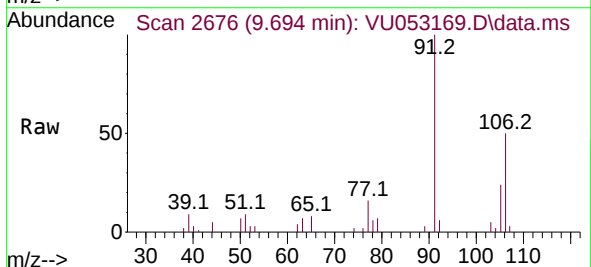
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

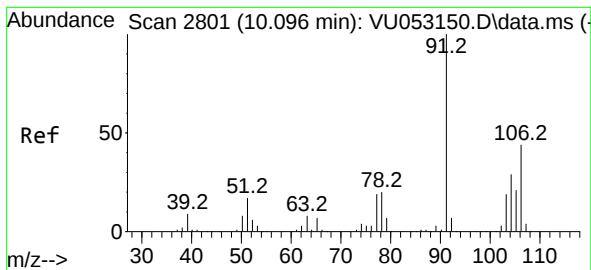
Tgt Ion: 91 Resp: 8509
Ion Ratio Lower Upper
91 100
106 32.2 24.0 36.0



#64
m/p-Xylenes
Concen: 0.528 ug/l
RT: 9.694 min Scan# 2676
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 106 Resp: 5869
Ion Ratio Lower Upper
106 100
91 230.7 170.7 256.1





#65

o-Xylene

Concen: 0.285 ug/l

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

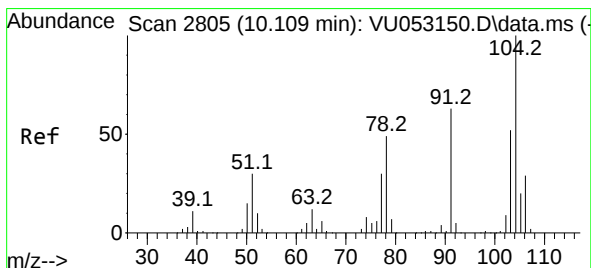
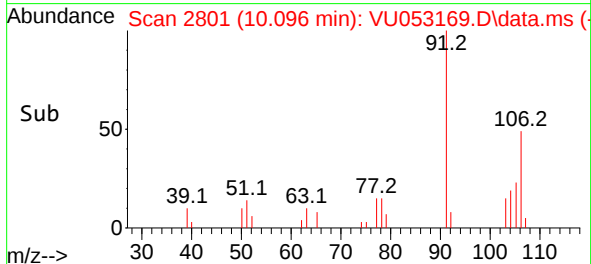
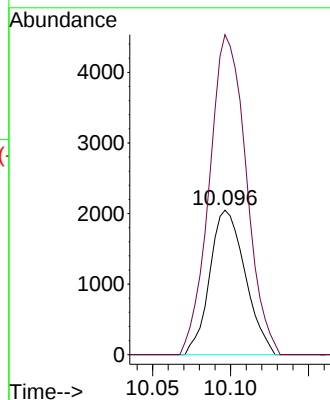
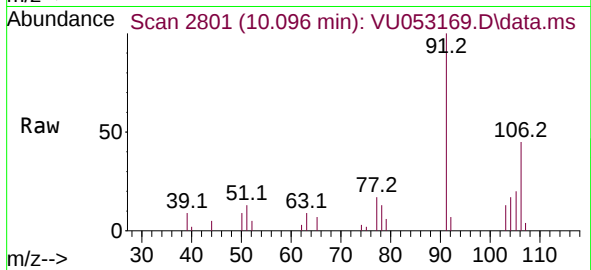
MDL-WATER-03-QT1-2023

Tgt Ion:106 Resp: 3239

Ion Ratio Lower Upper

106 100

91 230.4 112.8 338.4



#66

Styrene

Concen: 0.266 ug/l

RT: 10.112 min Scan# 2806

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

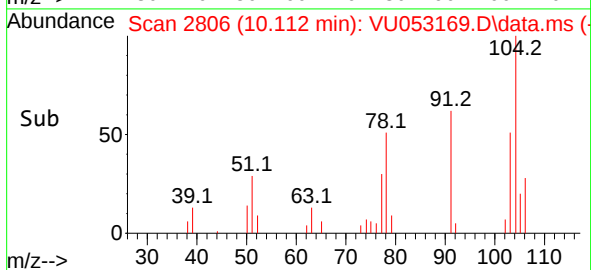
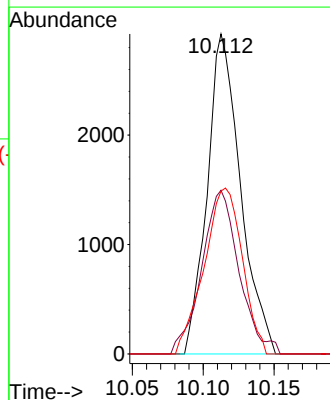
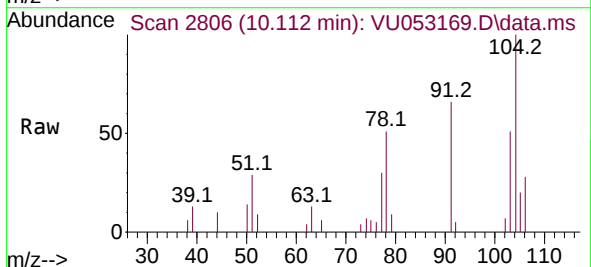
Tgt Ion:104 Resp: 4785

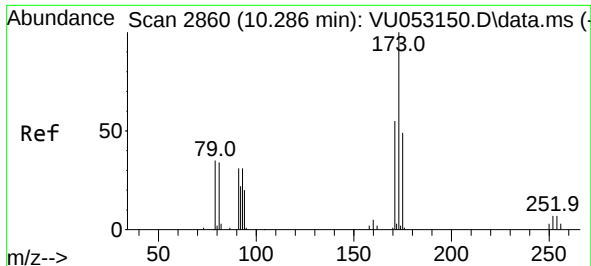
Ion Ratio Lower Upper

104 100

78 57.3 43.3 64.9

103 59.4 45.2 67.8

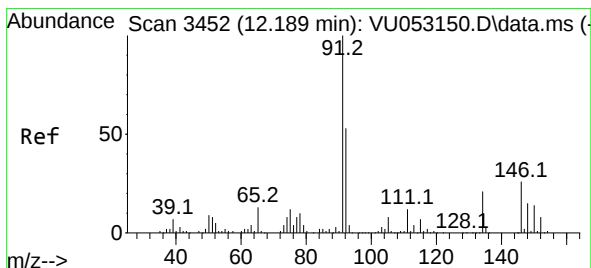
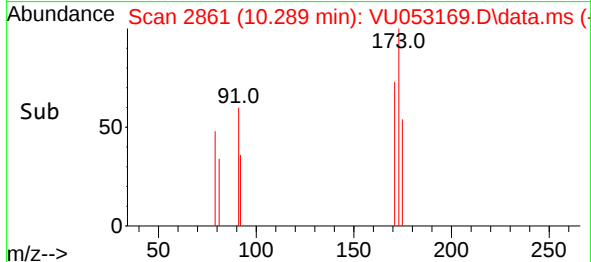
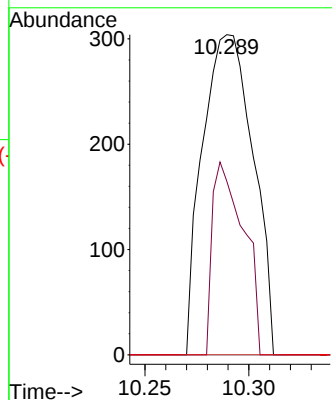
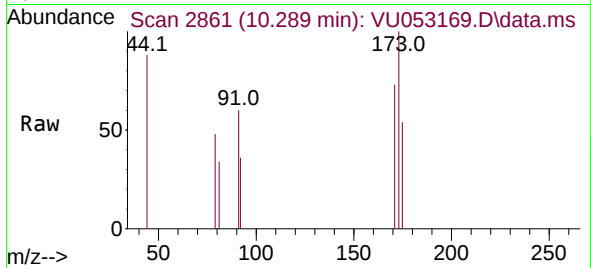




#67
Bromoform
Concen: 0.204 ug/l
RT: 10.289 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

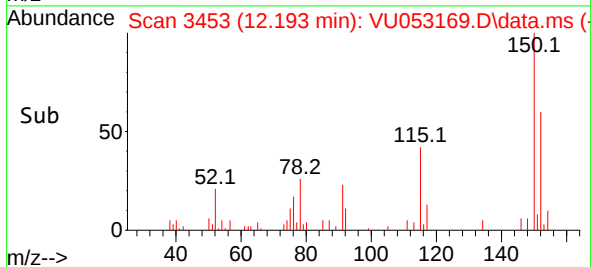
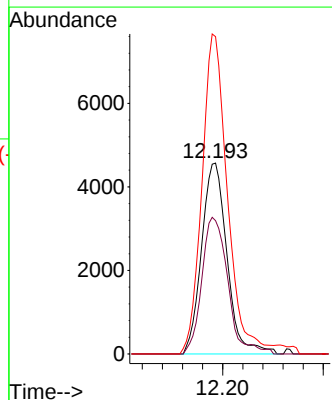
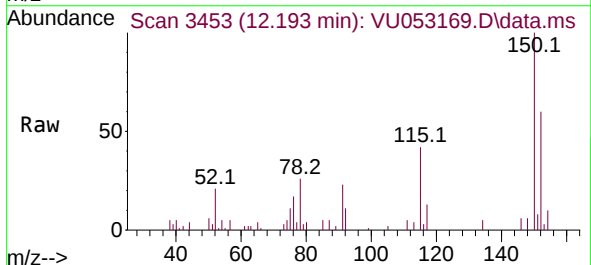
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

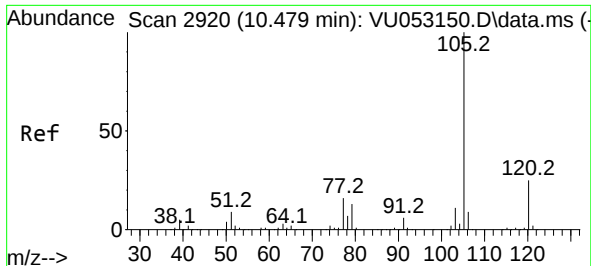
Tgt Ion:173 Resp: 515
Ion Ratio Lower Upper
173 100
175 37.1 38.7 58.1#
254 0.0 5.8 8.8#



#68
1,2-Dichlorobenzene-d4
Concen: 0.998 ug/l
RT: 12.193 min Scan# 3453
Delta R.T. 0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion:152 Resp: 8039
Ion Ratio Lower Upper
152 100
115 73.1 0.0 267.8
150 167.8 0.0 623.0

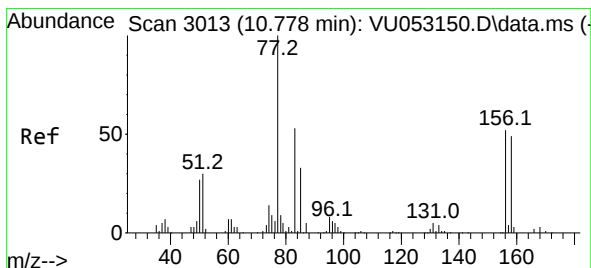
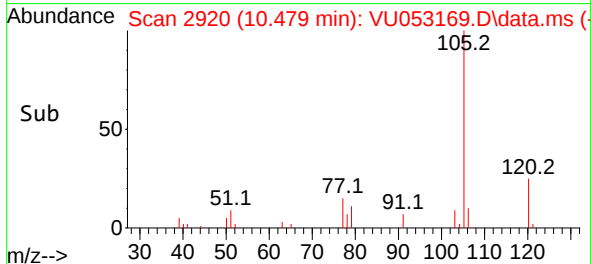
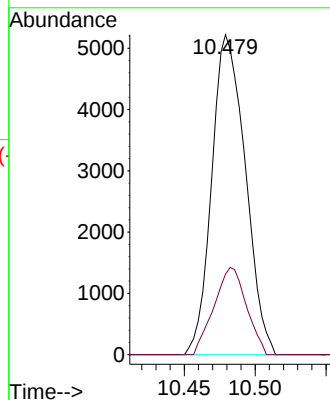
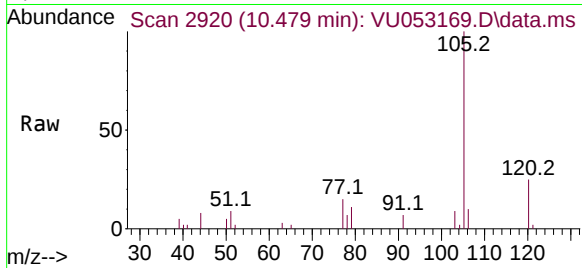




#69
Isopropylbenzene
Concen: 0.282 ug/l
RT: 10.479 min Scan# 2920
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

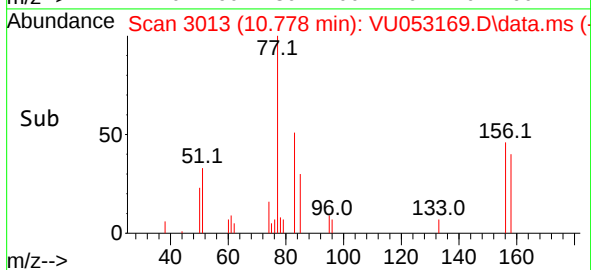
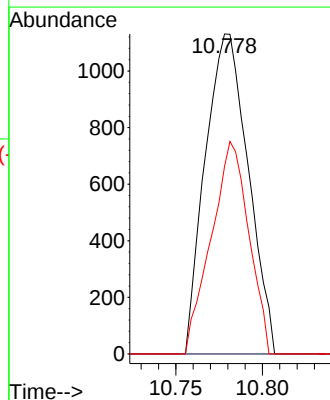
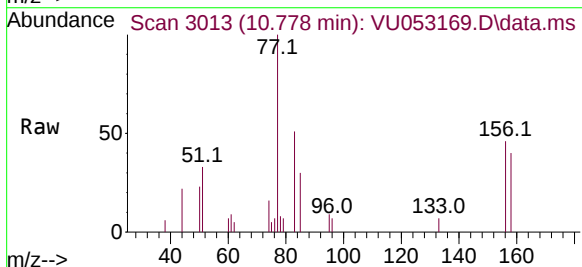
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

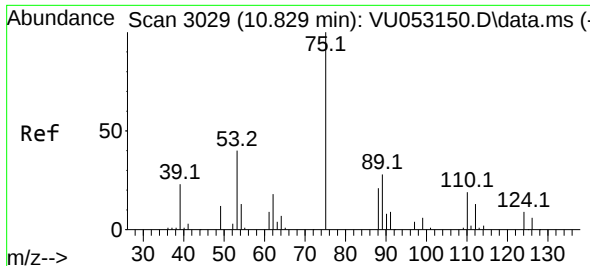
Tgt Ion:105 Resp: 8577
Ion Ratio Lower Upper
105 100
120 26.4 12.6 37.6



#70
1,1,2,2-Tetrachloroethane
Concen: 0.318 ug/l
RT: 10.778 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 83 Resp: 1946
Ion Ratio Lower Upper
83 100
131 0.0 6.6 9.8#
85 58.2 49.3 73.9

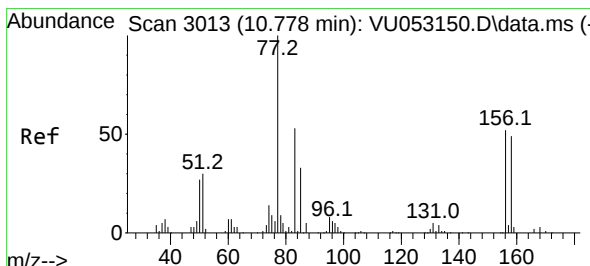
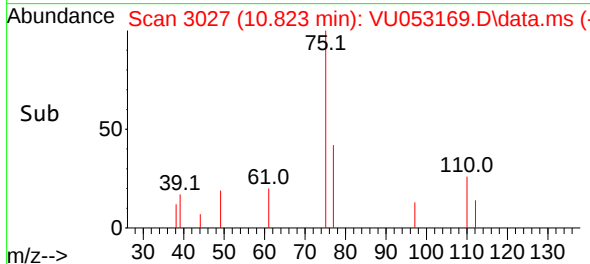
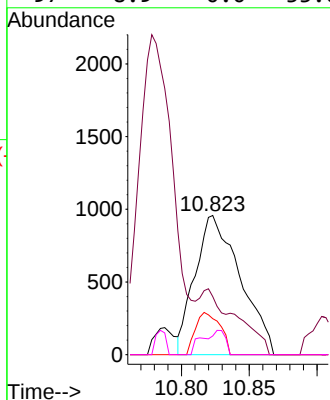
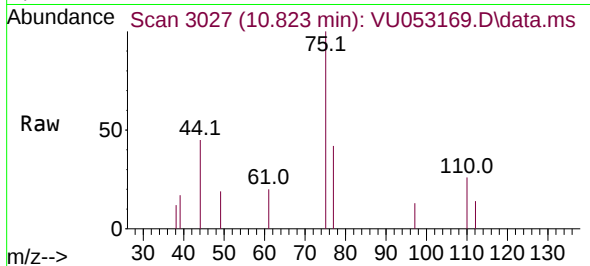




#71
1,2,3-Trichloropropane
Concen: 0.422 ug/l
RT: 10.823 min Scan# 3029
Delta R.T. -0.006 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

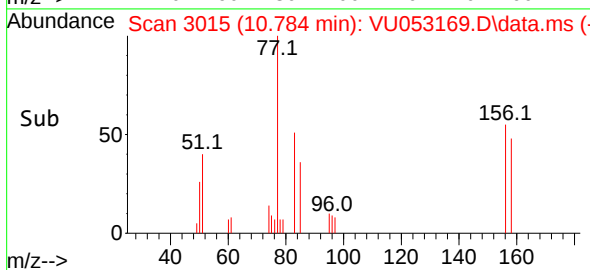
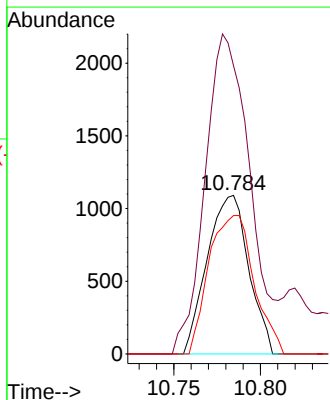
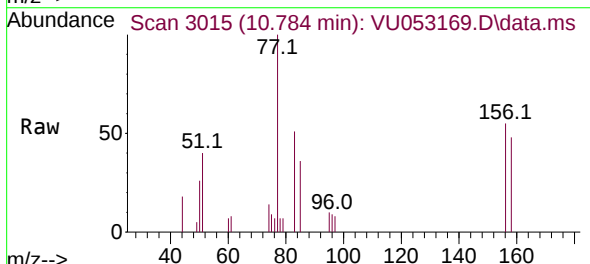
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

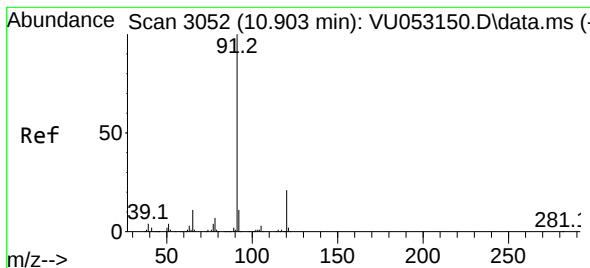
Tgt Ion: 75	Resp:	2222	
Ion	Ratio	Lower	Upper
75	100		
77	13.9	0.0	98.2
110	16.5	0.0	57.0
97	8.9	0.0	33.6



#72
Bromobenzene
Concen: 0.308 ug/l
RT: 10.784 min Scan# 3015
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion:156	Resp:	1817	
Ion	Ratio	Lower	Upper
156	100		
77	217.7	0.0	397.0
158	94.8	0.0	189.2





#73

n-propylbenzene

Concen: 0.258 ug/l

RT: 10.903 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

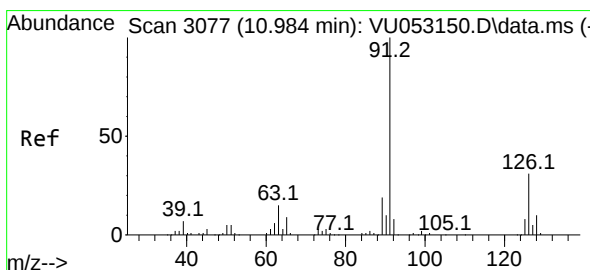
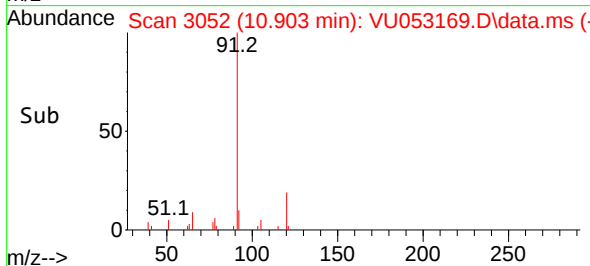
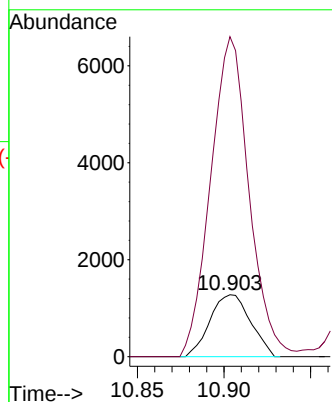
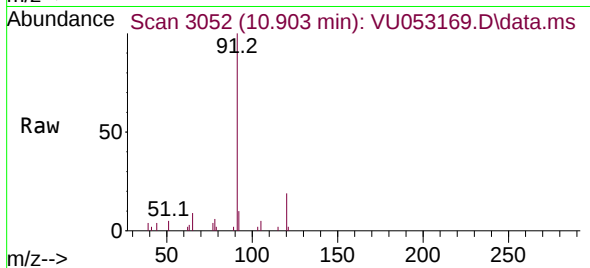
MDL-WATER-03-QT1-2023

Tgt Ion:120 Resp: 2080

Ion Ratio Lower Upper

120 100

91 488.6 372.5 558.7



#74

2-Chlorotoluene

Concen: 0.295 ug/l

RT: 10.984 min Scan# 3077

Delta R.T. 0.000 min

Lab File: VU053169.D

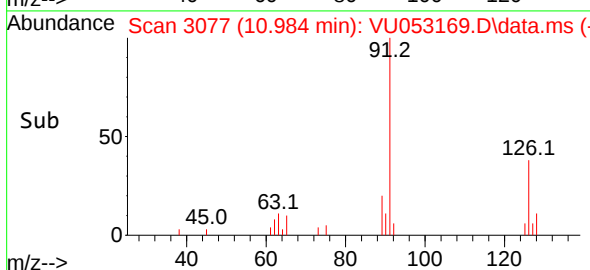
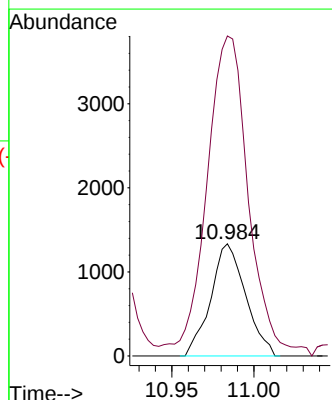
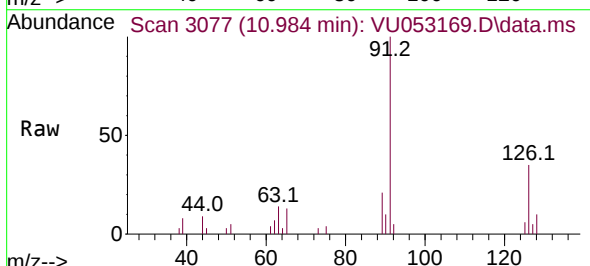
Acq: 28 Feb 2023 13:19

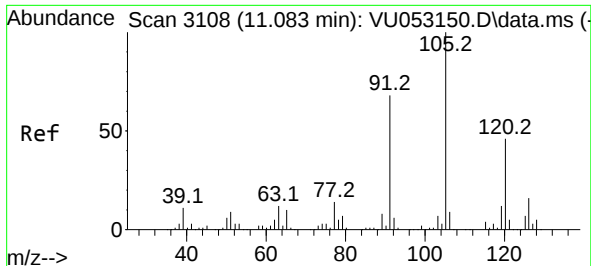
Tgt Ion:126 Resp: 1970

Ion Ratio Lower Upper

126 100

91 340.5 0.0 658.6





#75

1,3,5-Trimethylbenzene

Concen: 0.272 ug/l

RT: 11.087 min Scan# 3108

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

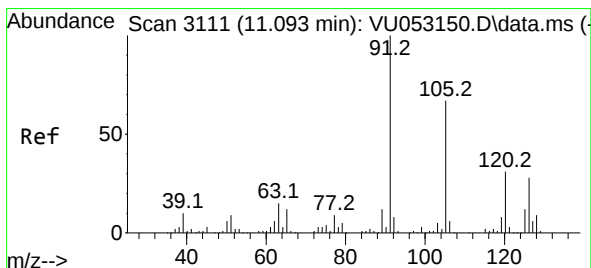
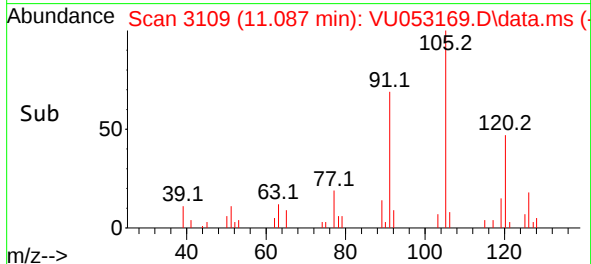
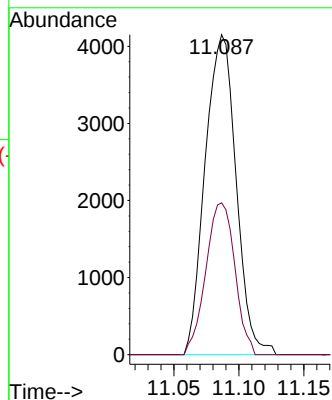
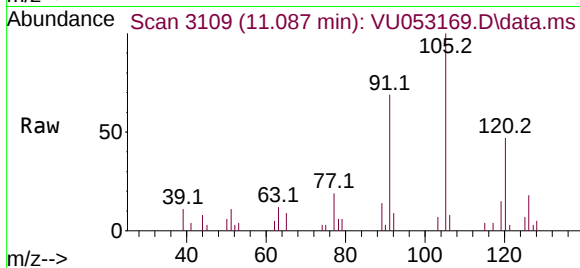
MDL-WATER-03-QT1-2023

Tgt Ion:105 Resp: 6881

Ion Ratio Lower Upper

105 100

120 44.4 36.5 54.7



#76

4-Chlorotoluene

Concen: 0.273 ug/l

RT: 11.096 min Scan# 3112

Delta R.T. 0.003 min

Lab File: VU053169.D

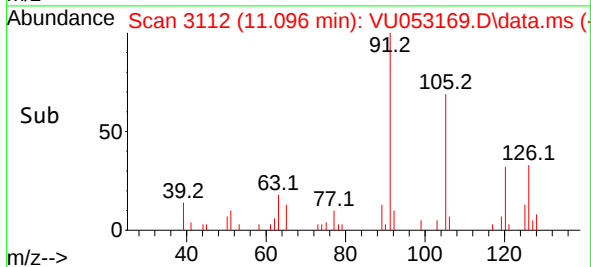
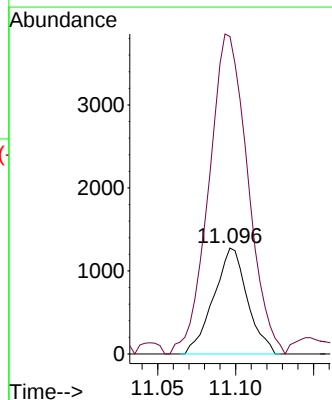
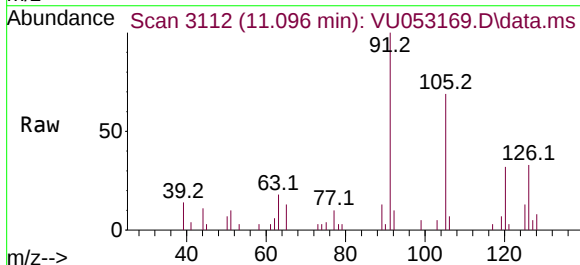
Acq: 28 Feb 2023 13:19

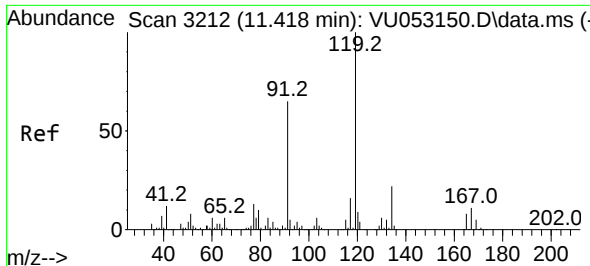
Tgt Ion:126 Resp: 1917

Ion Ratio Lower Upper

126 100

91 349.0 0.0 760.6

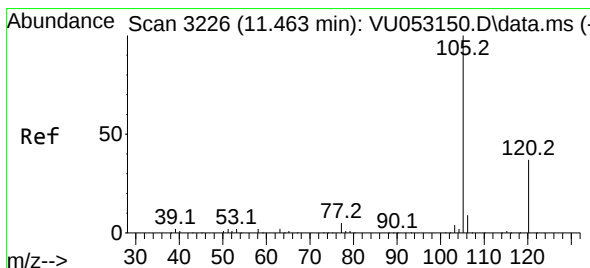
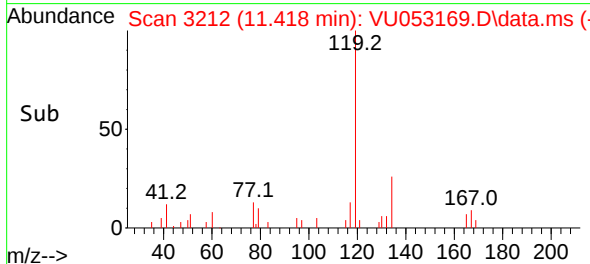
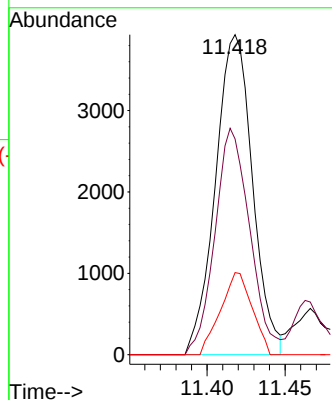
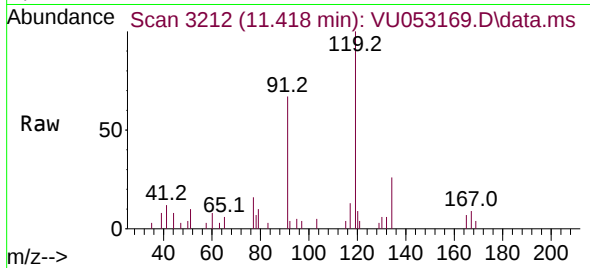




#77
tert-Butylbenzene
Concen: 0.262 ug/l
RT: 11.418 min Scan# 3212
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

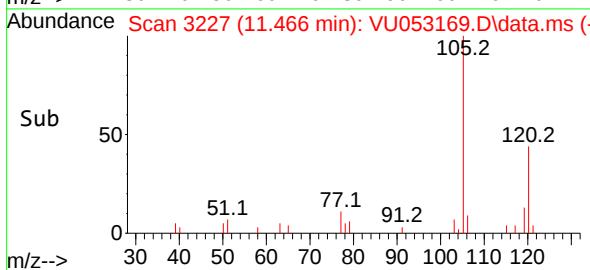
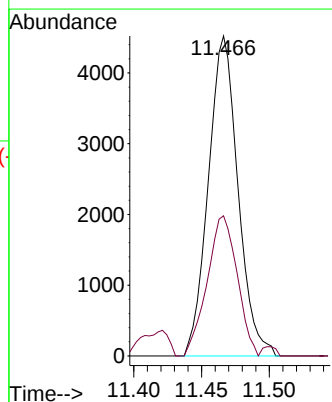
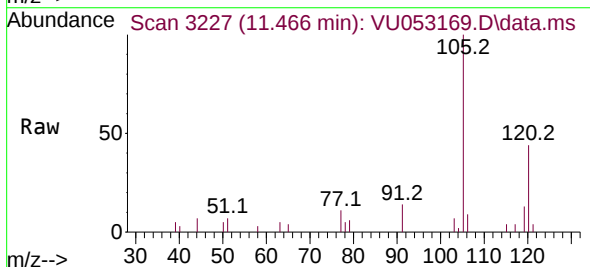
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

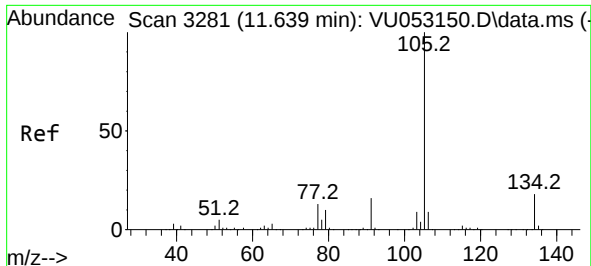
Tgt Ion:	119	Resp:	6503
Ion Ratio	Lower	Upper	
119	100		
91	66.6	31.9	95.7
134	21.8	17.4	26.0



#78
1,2,4-Trimethylbenzene
Concen: 0.266 ug/l
RT: 11.466 min Scan# 3227
Delta R.T. 0.003 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion:	105	Resp:	6874
Ion Ratio	Lower	Upper	
105	100		
120	44.2	21.1	63.1

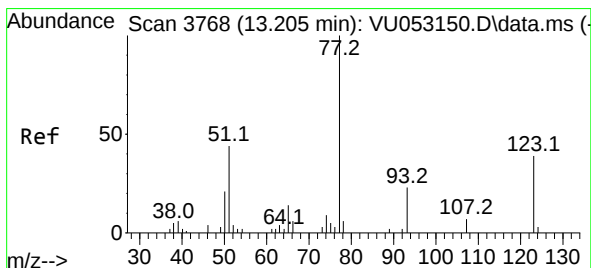
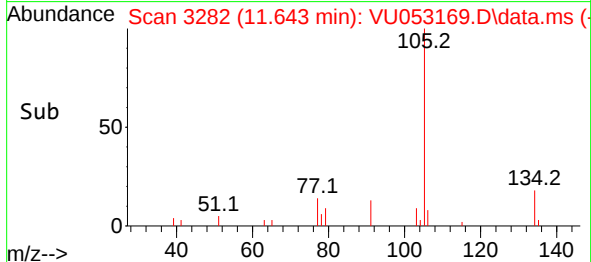
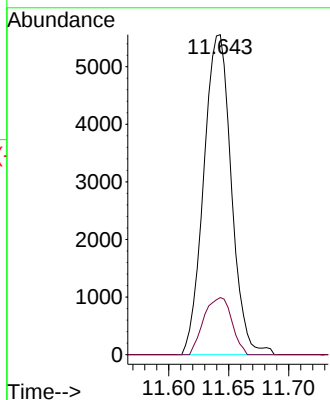
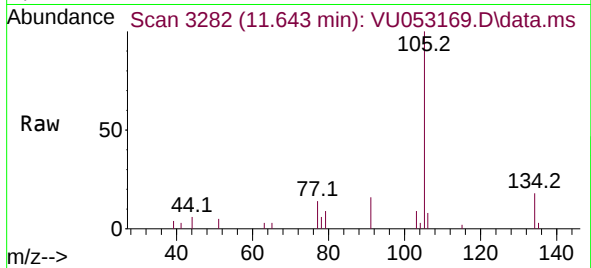




#79
 sec-Butylbenzene
 Concen: 0.258 ug/l
 RT: 11.643 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU053169.D
 Acq: 28 Feb 2023 13:19

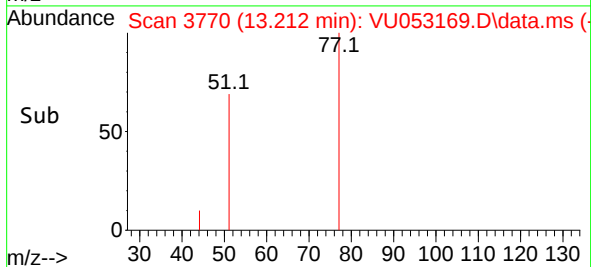
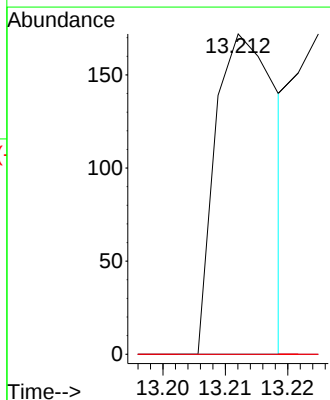
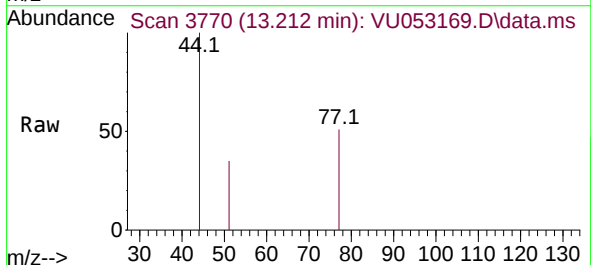
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2023

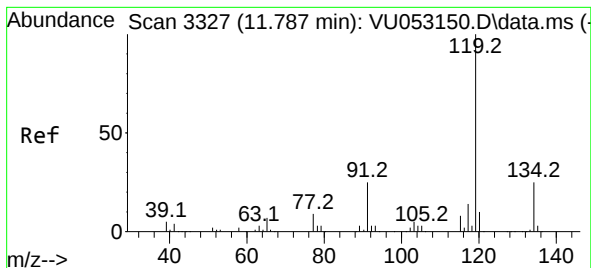
Tgt Ion:105 Resp: 8894
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.4 21.6



#80
 Nitrobenzene
 Concen: 0.369 ug/l
 RT: 13.212 min Scan# 3770
 Delta R.T. 0.007 min
 Lab File: VU053169.D
 Acq: 28 Feb 2023 13:19

Tgt Ion: 77 Resp: 118
 Ion Ratio Lower Upper
 77 100
 123 0.0 17.0 60.2#
 65 0.0 12.9 16.5#





#81

p-Isopropyltoluene

Concen: 0.251 ug/l

RT: 11.791 min Scan# 3327

Delta R.T. 0.004 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

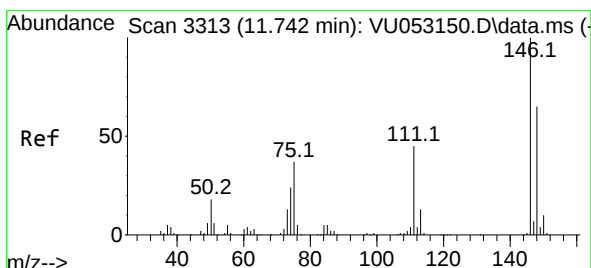
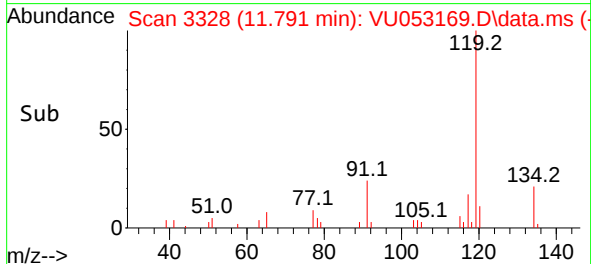
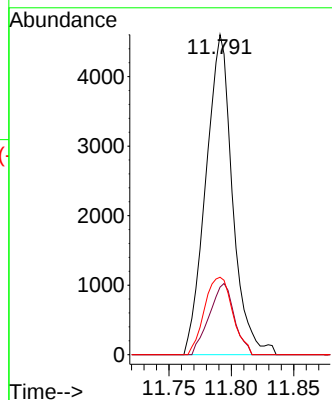
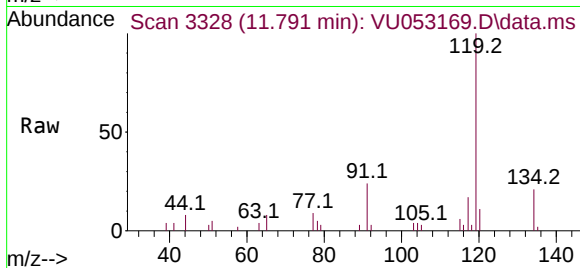
Tgt Ion:119 Resp: 6849

Ion Ratio Lower Upper

119 100

134 20.9 19.8 29.6

91 25.6 20.5 30.7



#82

1,3-Dichlorobenzene

Concen: 0.285 ug/l

RT: 11.749 min Scan# 3315

Delta R.T. 0.007 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

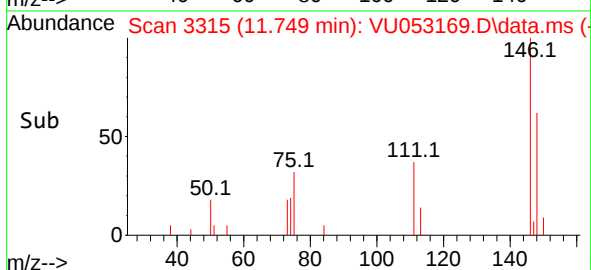
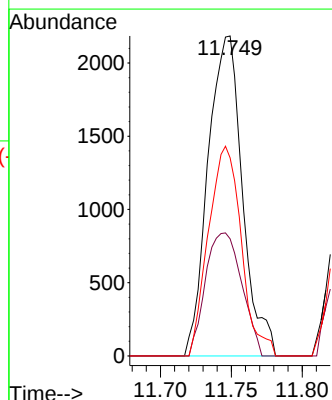
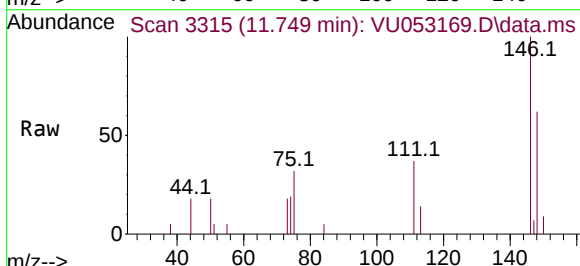
Tgt Ion:146 Resp: 3691

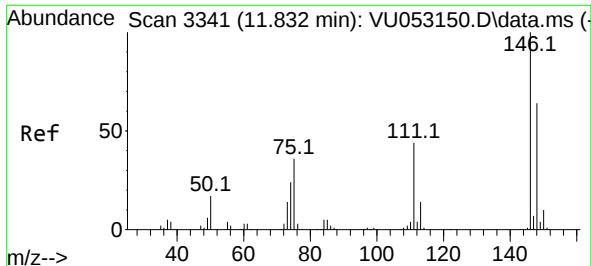
Ion Ratio Lower Upper

146 100

111 40.4 36.0 54.0

148 62.6 50.8 76.2

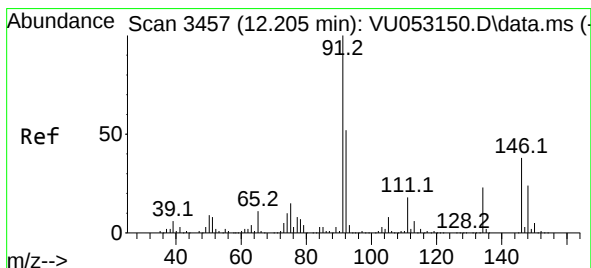
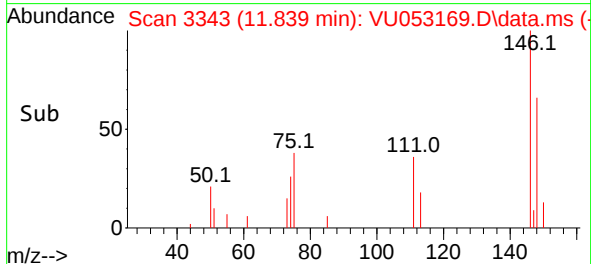
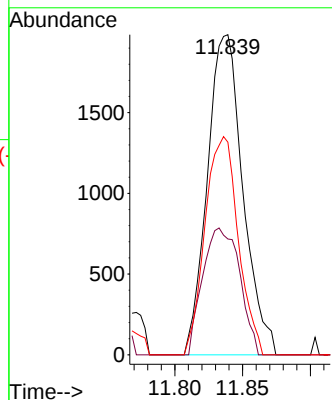
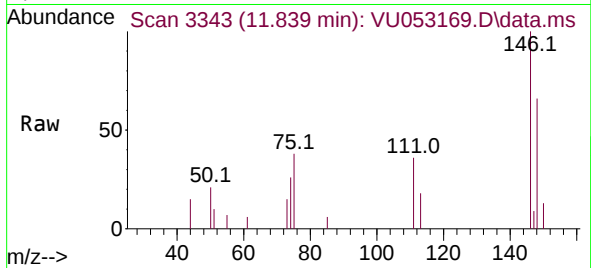




#83
1,4-Dichlorobenzene
Concen: 0.273 ug/l
RT: 11.839 min Scan# 311
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

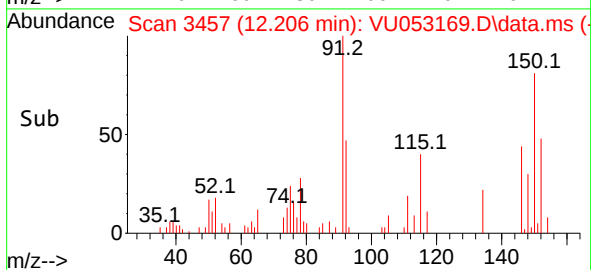
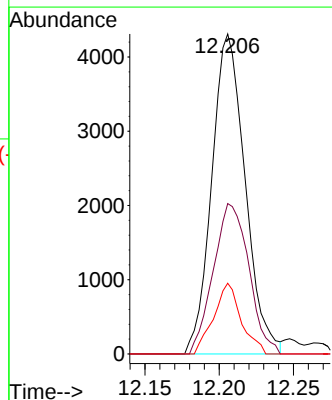
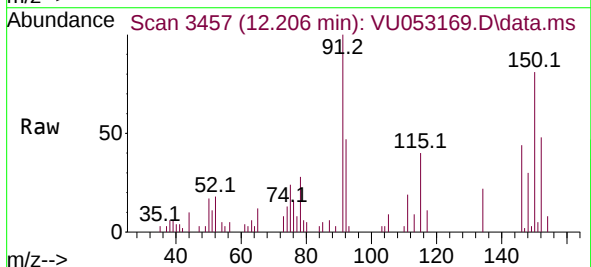
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

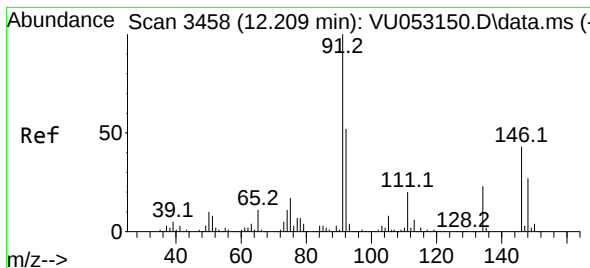
Tgt Ion:146 Resp: 3618
Ion Ratio Lower Upper
146 100
111 41.1 34.0 51.0
148 63.6 49.8 74.6



#84
n-Butylbenzene
Concen: 0.238 ug/l
RT: 12.206 min Scan# 3457
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion: 91 Resp: 6725
Ion Ratio Lower Upper
91 100
92 50.0 41.8 62.6
134 18.3 17.9 26.9





#85

1,2-Dichlorobenzene

Concen: 0.266 ug/l

RT: 12.209 min Scan# 3458

Delta R.T. -0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

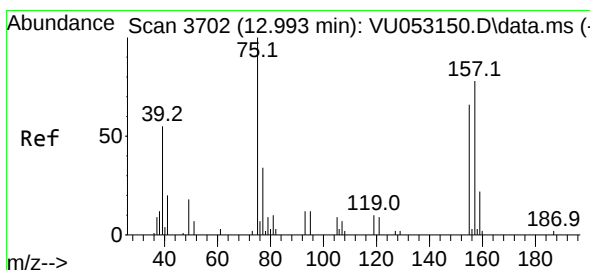
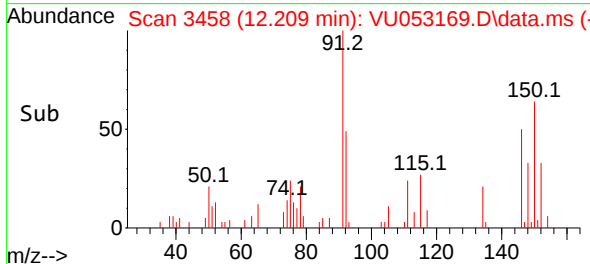
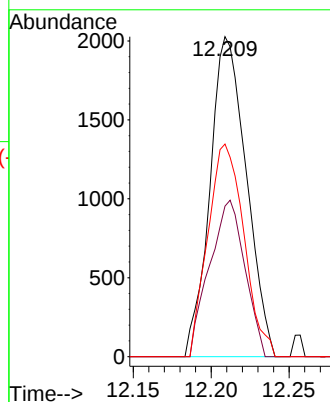
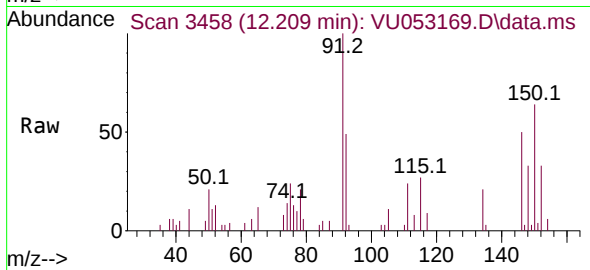
Tgt Ion:146 Resp: 3290

Ion Ratio Lower Upper

146 100

111 47.3 23.2 69.6

148 65.8 31.4 94.3



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.326 ug/l

RT: 12.993 min Scan# 3702

Delta R.T. 0.000 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

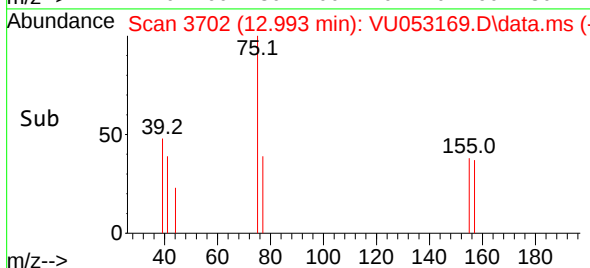
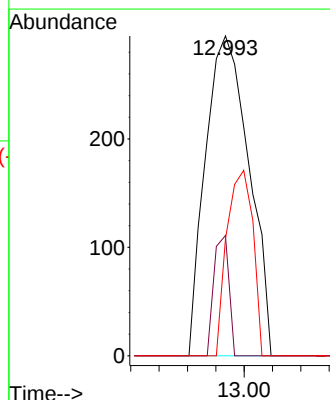
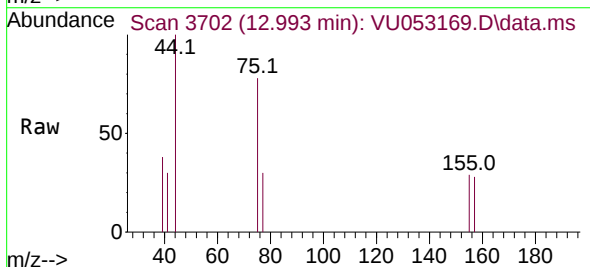
Tgt Ion: 75 Resp: 314

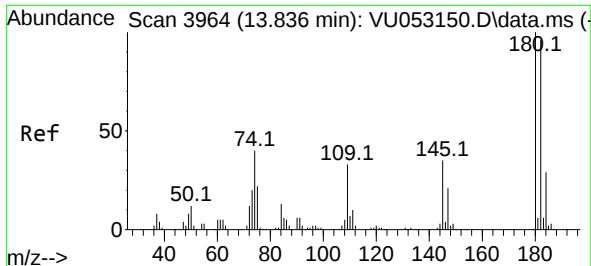
Ion Ratio Lower Upper

75 100

155 13.1 53.4 80.0#

157 34.4 61.7 92.5#

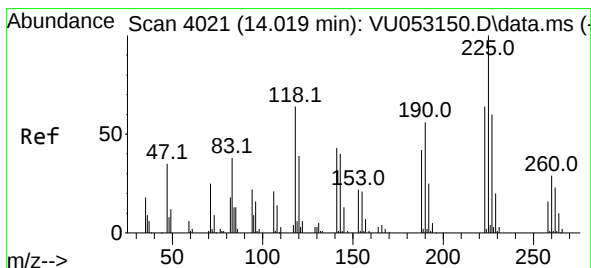
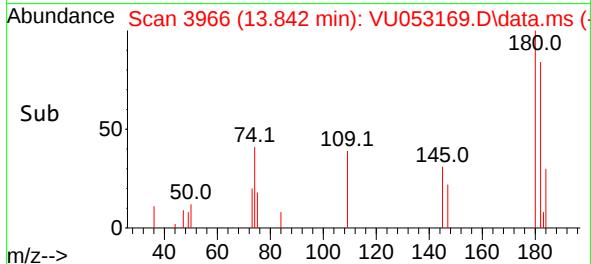
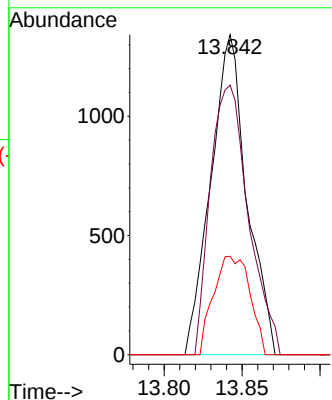
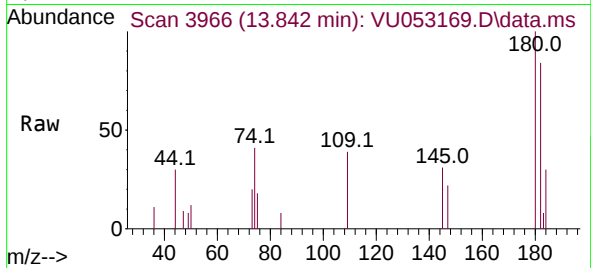




#87
1,2,4-Trichlorobenzene
Concen: 0.285 ug/l
RT: 13.842 min Scan# 3964
Delta R.T. 0.007 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

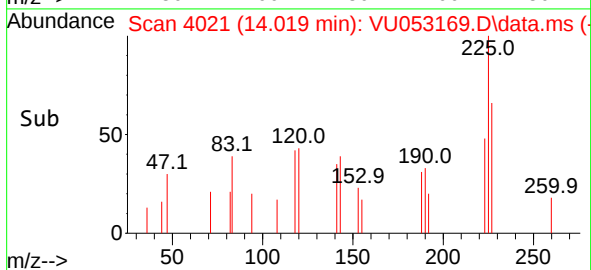
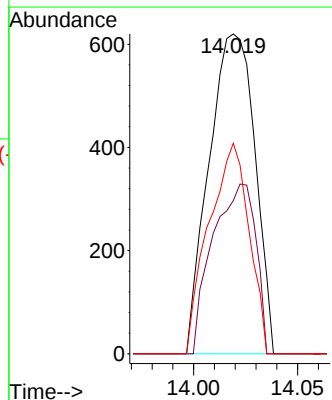
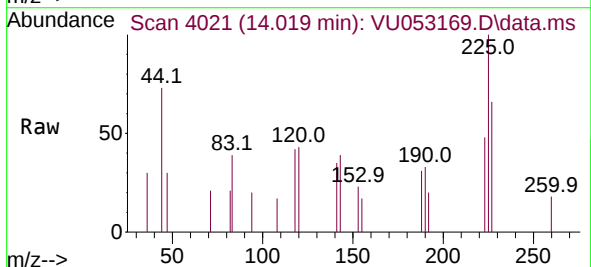
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2023

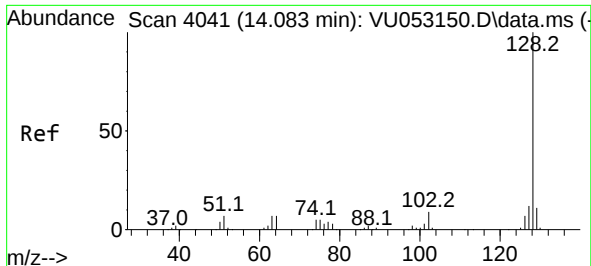
Tgt Ion:180 Resp: 2160
Ion Ratio Lower Upper
180 100
182 89.2 77.4 116.0
145 31.0 28.3 42.5



#88
Hexachlorobutadiene
Concen: 0.257 ug/l
RT: 14.019 min Scan# 4021
Delta R.T. 0.000 min
Lab File: VU053169.D
Acq: 28 Feb 2023 13:19

Tgt Ion:225 Resp: 951
Ion Ratio Lower Upper
225 100
223 49.8 51.1 76.7#
227 57.5 49.9 74.9





#89

Naphthalene

Concen: 0.315 ug/l

RT: 14.093 min Scan# 4041

Delta R.T. 0.010 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2023

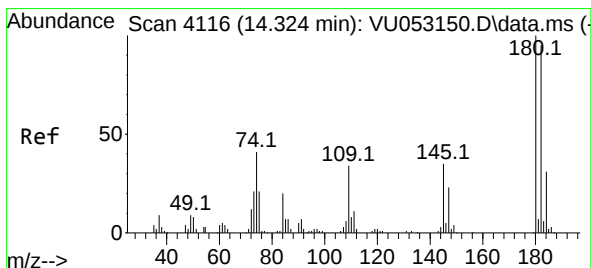
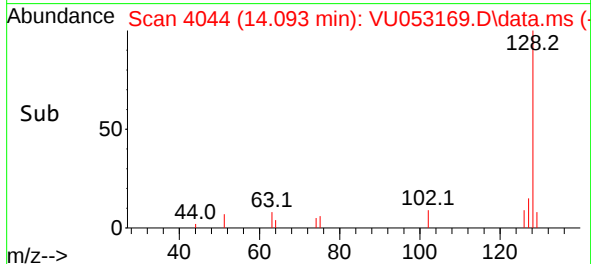
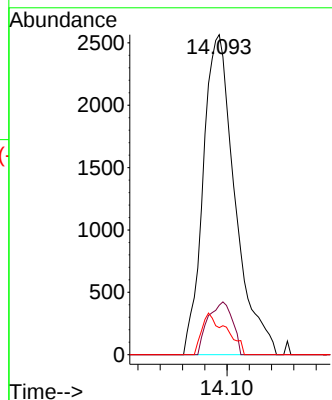
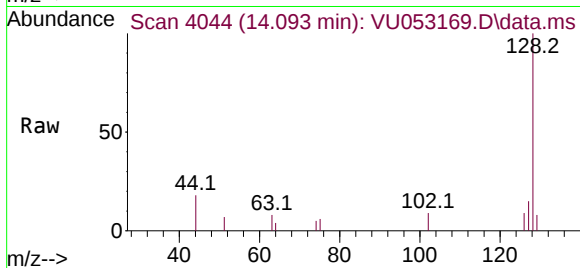
Tgt Ion:128 Resp: 5083

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

129 9.9 8.3 12.5



#90

1,2,3-Trichlorobenzene

Concen: 0.290 ug/l

RT: 14.328 min Scan# 4117

Delta R.T. 0.003 min

Lab File: VU053169.D

Acq: 28 Feb 2023 13:19

Tgt Ion:180 Resp: 1938

Ion Ratio Lower Upper

180 100

182 104.6 76.6 115.0

145 37.8 29.0 43.6

