

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
 Data File : VU051455.D
 Acq On : 19 Oct 2022 13:50
 Operator : JC/MD
 Sample : N4955-09 0.25PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2022

Quant Time: Oct 20 07:40:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 20 07:37:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	46183	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12327	0.761	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	14493	0.801	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	2476	0.154	ug/l	94
3) Chloromethane	1.533	50	6716	0.264	ug/l	97
4) Vinyl Chloride	1.601	62	4437	0.202	ug/l	90
5) Bromomethane	1.855	94	3441	0.281	ug/l	91
6) Chloroethane	1.932	64	3923	0.313	ug/l	91
7) Trichlorofluoromethane	2.138	101	5134	0.209	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	2708	0.200	ug/l	100
9) 1,1-Dichloroethene	2.578	96	3356	0.237	ug/l	91
10) Iodomethane	2.720	142	3759	0.205	ug/l	92
11) Allyl Chloride	2.922	41	5459	0.253	ug/l	91
12) Acrylonitrile	3.324	53	2348	0.563	ug/l	97
13) Acetone	2.639	43	4572	1.522	ug/l	95
14) Carbon Disulfide	2.790	76	11639	0.230	ug/l	# 93
15) Methylene Chloride	3.041	84	11008	0.530	ug/l	94
16) trans-1,2-Dichloroethene	3.347	96	3877	0.239	ug/l	90
17) 1,1-Dichloroethane	3.864	63	6929	0.237	ug/l	# 95
18) 2-Butanone	4.732	43	3697	1.015	ug/l	75
19) Cyclohexane	5.382	56	2752	0.152	ug/l	91
20) Methylcyclohexane	6.764	83	2631	0.146	ug/l	96
21) 2,2-Dichloropropane	4.662	77	4714	0.231	ug/l	93
22) cis-1,2-Dichloroethene	4.671	96	3139	0.204	ug/l	97
23) Diethyl Ether	2.376	59	2906	0.235	ug/l	93
24) tert-Butyl Alcohol	3.183	59	1209	0.932	ug/l	# 65
25) Methyl tert-Butyl Ether	3.366	73	8639	0.234	ug/l	93
26) Bromochloromethane	4.970	128	1630	0.217	ug/l	91
27) Chloroform	5.089	83	7313	0.247	ug/l	99
28) 1,1,1-Trichloroethane	5.317	97	5202	0.220	ug/l	96
29) 1,1-Dichloropropene	5.527	75	3048	0.168	ug/l	92
30) Carbon Tetrachloride	5.517	117	4102	0.206	ug/l	96
31) Isopropyl Ether	4.002	45	7063	0.204	ug/l	86
32) Ethyl-t-butyl ether	4.510	59	6402	0.203	ug/l	96
33) Tert-Amyl methyl ether	5.944	73	4957	0.179	ug/l	98
34) Propionitrile	4.800	54	323	0.264	ug/l	# 42
35) Benzene	5.774	78	11666	0.192	ug/l	95
36) 1,2-Dichloroethane	5.800	62	3956	0.211	ug/l	98
37) Trichloroethene	6.546	130	2676	0.188	ug/l	# 72
38) 1,2-Dichloropropane	6.790	63	3550	0.213	ug/l	# 82
39) Methacrylonitrile	4.990	41	562	0.134	ug/l	# 80
40) Methyl acrylate	4.809	55	94	0.014	ug/l	# 26
41) Tetrahydrofuran	5.080	42	923	0.420	ug/l	# 74
42) 1-Chlorobutane	5.456	56	4567	0.185	ug/l	96
43) Dibromomethane	6.919	93	1903	0.220	ug/l	96
44) Bromodichloromethane	7.108	83	4410	0.211	ug/l	91

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 ALS Vial : 10 Sample Multiplier: 1

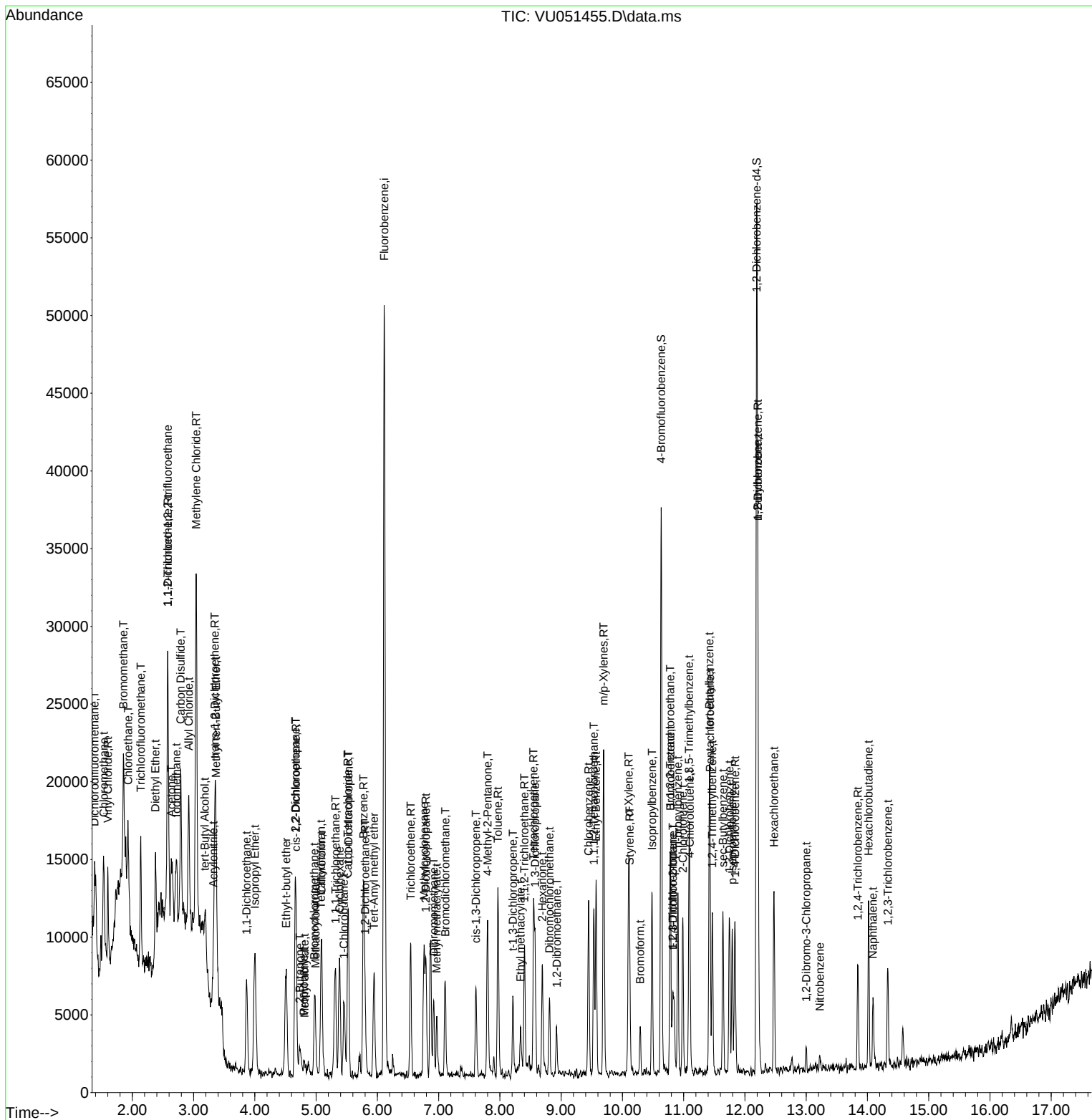
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2022

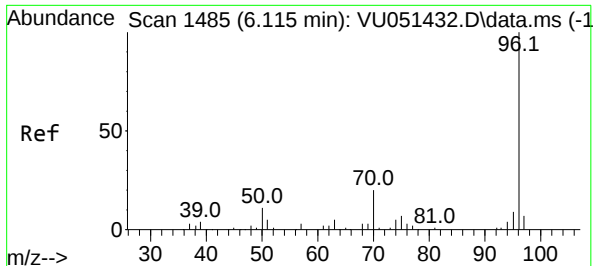
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 20 07:37:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	7373	0.896	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.822	75	3657	0.796	ug/l #	39
47) Methyl methacrylate	6.967	69	1702	0.258	ug/l	89
48) Ethyl methacrylate	8.337	69	1620	0.146	ug/l	94
49) Toluene	7.967	92	5388	0.162	ug/l	100
50) t-1,3-Dichloropropene	8.211	75	2988	0.178	ug/l	97
51) cis-1,3-Dichloropropene	7.610	75	3804	0.192	ug/l	96
52) 1,1,2-Trichloroethane	8.401	97	2731	0.221	ug/l #	88
53) 1,3-Dichloropropane	8.575	76	3865	0.194	ug/l	99
54) 2-Hexanone	8.690	43	4976	0.879	ug/l	87
55) Dibromochloromethane	8.809	129	2608	0.194	ug/l	93
56) 1,2-Dibromoethane	8.928	107	2177	0.201	ug/l	93
58) Tetrachloroethene	8.549	164	2392	0.193	ug/l	96
59) Chlorobenzene	9.449	112	6436	0.176	ug/l	90
60) 1,1,1,2-Tetrachloroethane	9.533	131	2718	0.194	ug/l	95
61) Pentachloroethane	11.430	117	2458	0.197	ug/l	99
62) Hexachloroethane	12.475	117	2568	0.217	ug/l	87
63) Ethyl Benzene	9.568	91	8374	0.151	ug/l	95
64) m/p-Xylenes	9.694	106	6108	0.277	ug/l	99
65) o-Xylene	10.102	106	2848	0.133	ug/l	96
66) Styrene	10.118	104	4517	0.127	ug/l	98
67) Bromoform	10.288	173	1590	0.211	ug/l #	93
69) Isopropylbenzene	10.485	105	7134	0.135	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.780	83	3675	0.220	ug/l	97
71) 1,2,3-Trichloropropane	10.822	75	3657	0.295	ug/l	68
72) Bromobenzene	10.784	156	2397	0.165	ug/l	95
73) n-propylbenzene	10.906	120	1558	0.105	ug/l	69
74) 2-Chlorotoluene	10.986	126	1649	0.117	ug/l	69
75) 1,3,5-Trimethylbenzene	11.089	105	5633	0.117	ug/l	96
76) 4-Chlorotoluene	11.102	126	1968	0.136	ug/l	78
77) tert-Butylbenzene	11.420	119	6588	0.141	ug/l	90
78) 1,2,4-Trimethylbenzene	11.468	105	5707	0.114	ug/l	98
79) sec-Butylbenzene	11.642	105	6574	0.106	ug/l	98
80) Nitrobenzene	13.224	77	852	1.031	ug/l #	75
81) p-Isopropyltoluene	11.793	119	5054	0.102	ug/l	95
82) 1,3-Dichlorobenzene	11.745	146	5128	0.164	ug/l	92
83) 1,4-Dichlorobenzene	11.838	146	4697	0.154	ug/l	96
84) n-Butylbenzene	12.211	91	5218	0.106	ug/l	97
85) 1,2-Dichlorobenzene	12.211	146	5080	0.165	ug/l	92
86) 1,2-Dibromo-3-Chloropr...	12.999	75	442	0.169	ug/l	89
87) 1,2,4-Trichlorobenzene	13.841	180	2581	0.155	ug/l	96
88) Hexachlorobutadiene	14.018	225	2123	0.195	ug/l	96
89) Naphthalene	14.089	128	4543	0.130	ug/l #	92
90) 1,2,3-Trichlorobenzene	14.333	180	2639	0.145	ug/l	88

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

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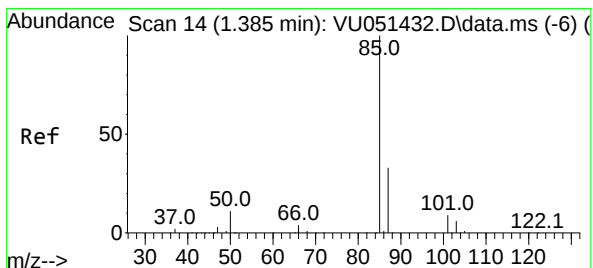
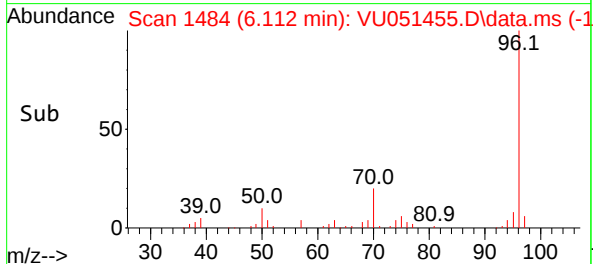
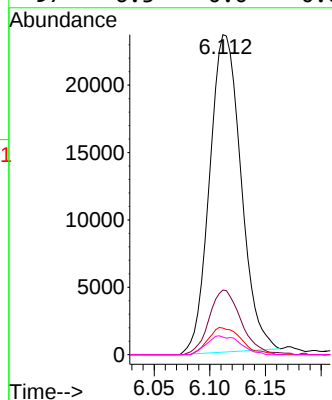
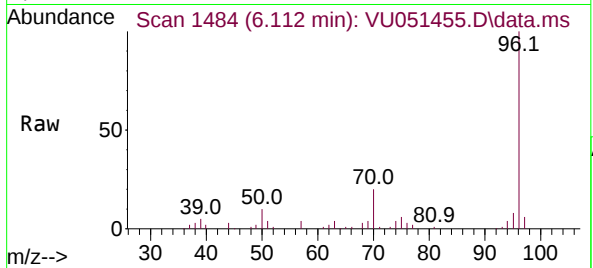




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

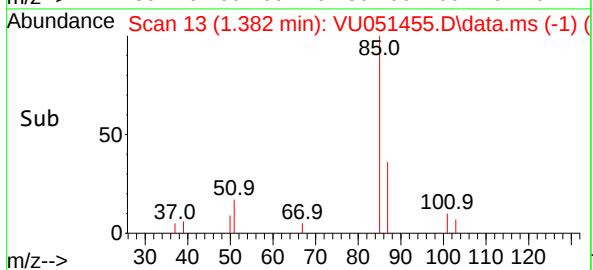
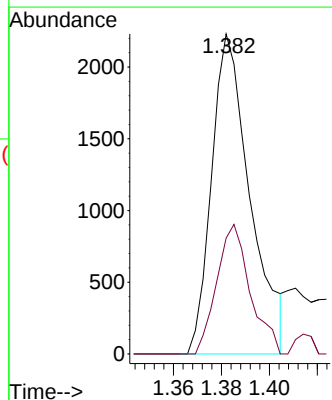
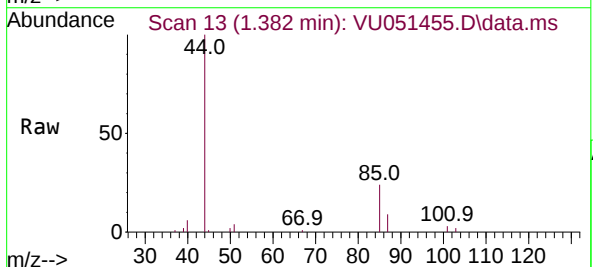
Instrument :
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ClientSampleId :
MDL-WATER-03-QT4-2022

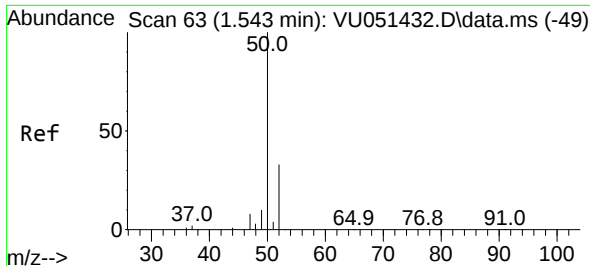
Tgt Ion:	96	Resp:	46183
Ion	Ratio	Lower	Upper
96	100		
70	20.9	16.7	25.1
95	9.1	7.5	11.3
97	6.3	0.0	0.0



#2
Dichlorodifluoromethane
Concen: 0.154 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:	85	Resp:	2476
Ion	Ratio	Lower	Upper
85	100		
87	36.2	16.4	49.4

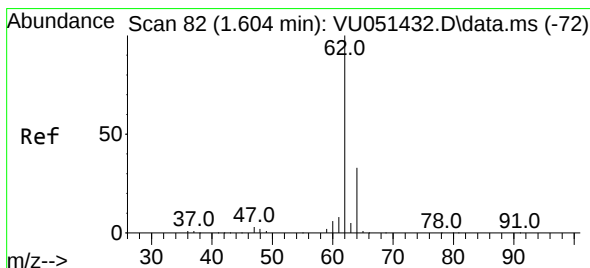
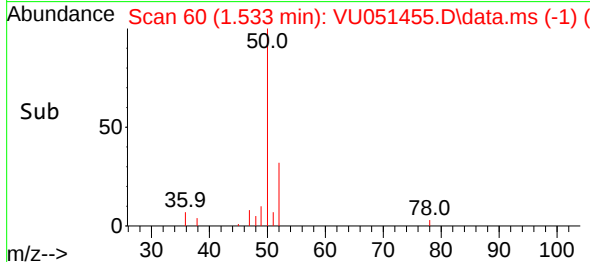
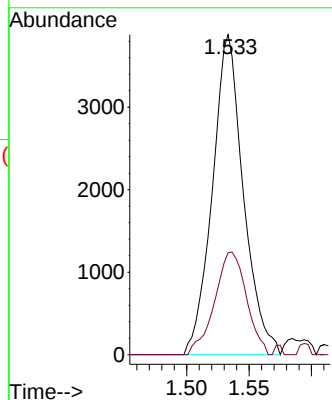
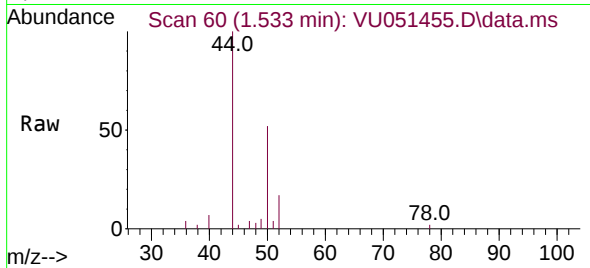




#3
Chloromethane
Concen: 0.264 ug/l
RT: 1.533 min Scan# 60
Delta R.T. -0.010 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

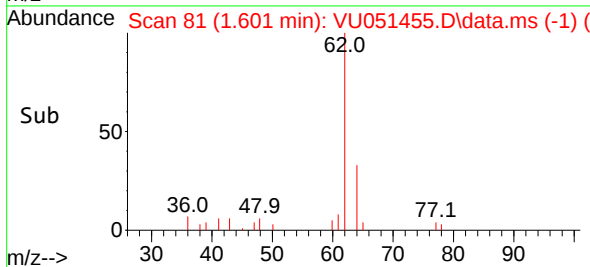
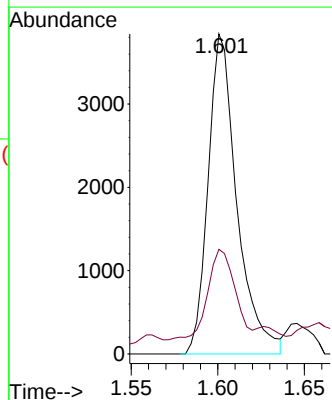
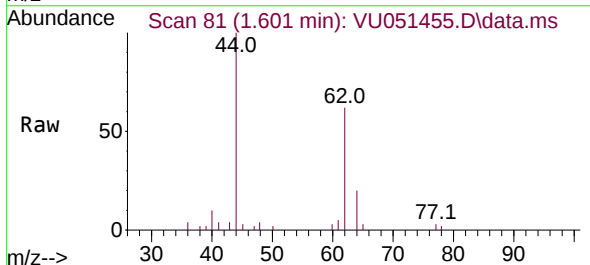
Instrument :
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ClientSampleId :
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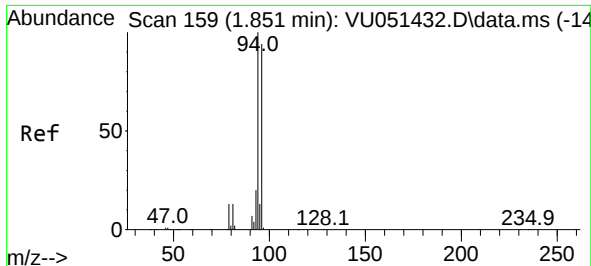
Tgt Ion: 50 Resp: 6716
Ion Ratio Lower Upper
50 100
52 31.8 26.7 40.1



#4
Vinyl Chloride
Concen: 0.202 ug/l
RT: 1.601 min Scan# 81
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 62 Resp: 4437
Ion Ratio Lower Upper
62 100
64 27.4 26.7 40.1

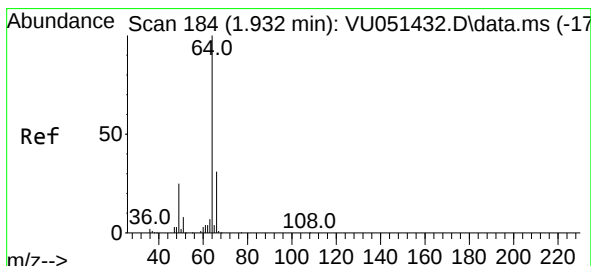
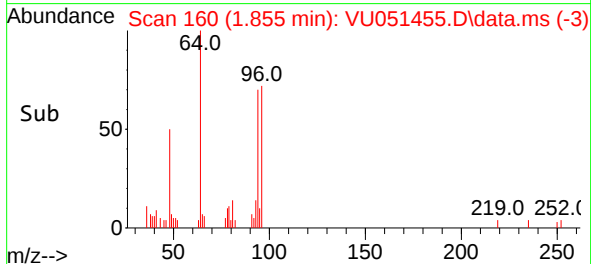
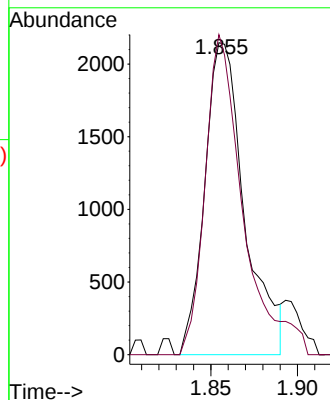
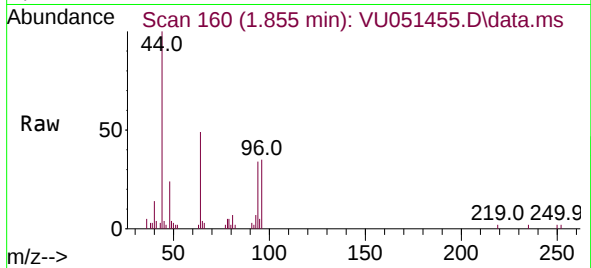




#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.855 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

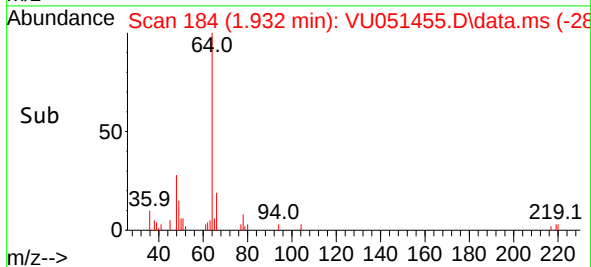
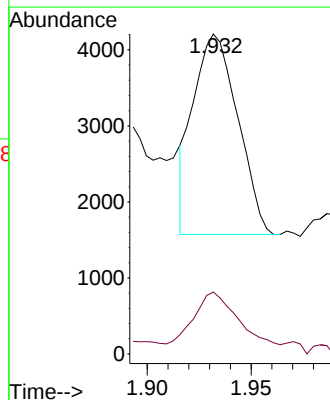
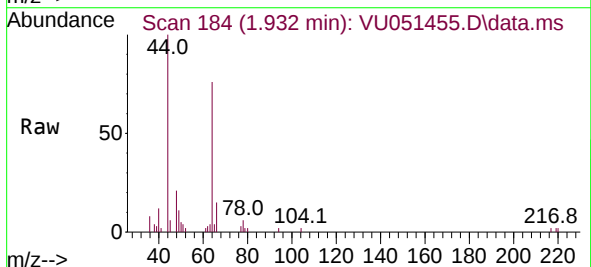
Instrument :
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ClientSampleId :
MDL-WATER-03-QT4-2022

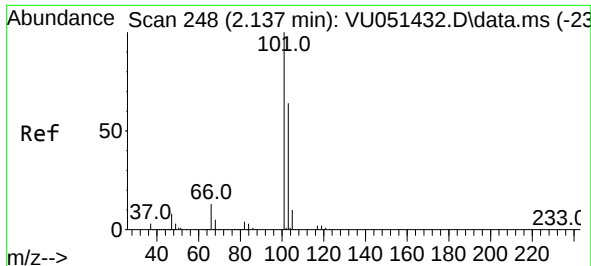
Tgt Ion: 94 Resp: 3441
Ion Ratio Lower Upper
94 100
96 102.6 74.8 112.2



#6
Chloroethane
Concen: 0.313 ug/l
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 64 Resp: 3923
Ion Ratio Lower Upper
64 100
66 26.3 25.2 37.8

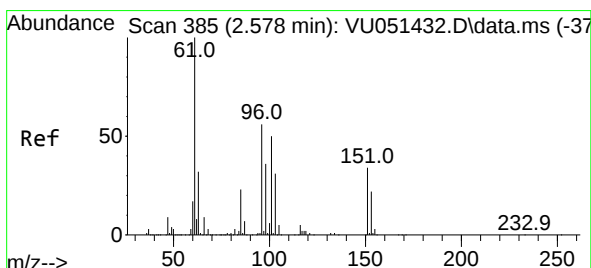
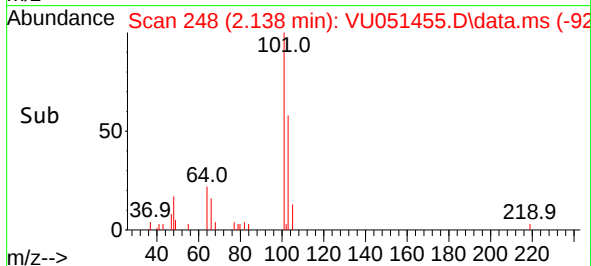
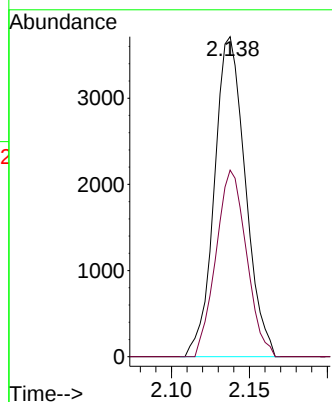
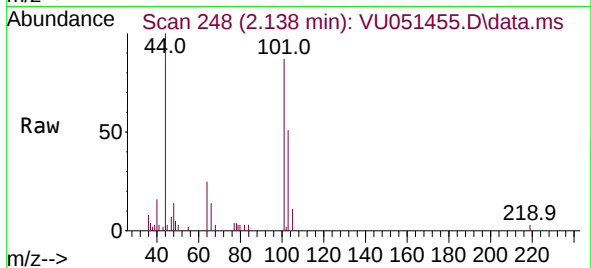




#7
 Trichlorofluoromethane
 Concen: 0.209 ug/l
 RT: 2.138 min Scan# 248
 Delta R.T. 0.000 min
 Lab File: VU051455.D
 Acq: 19 Oct 2022 13:50

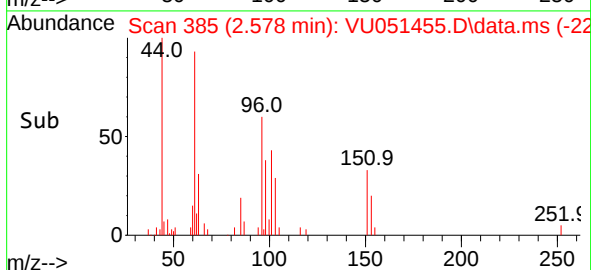
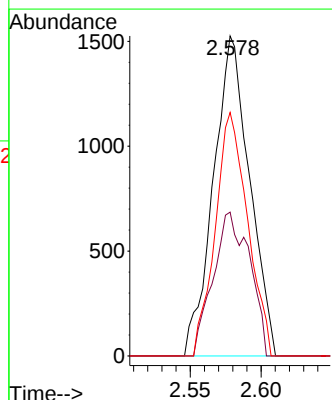
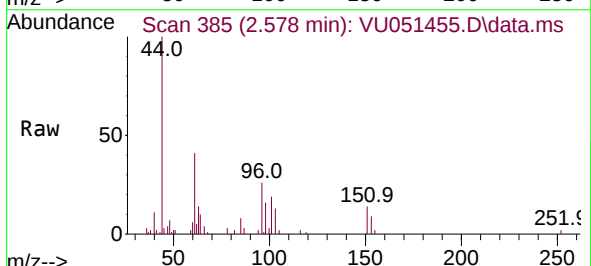
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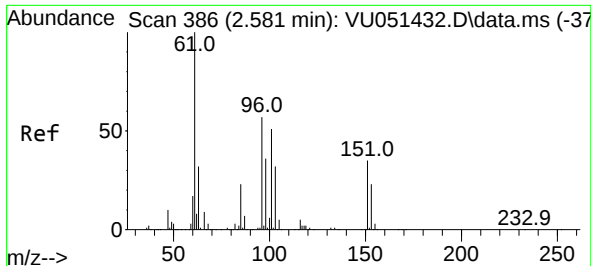
Tgt Ion:101 Resp: 5134
 Ion Ratio Lower Upper
 101 100
 103 58.3 51.4 77.2



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.200 ug/l
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051455.D
 Acq: 19 Oct 2022 13:50

Tgt Ion:101 Resp: 2708
 Ion Ratio Lower Upper
 101 100
 85 45.4 36.6 54.8
 151 68.1 54.6 81.8

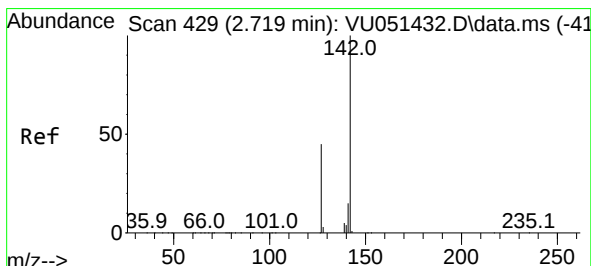
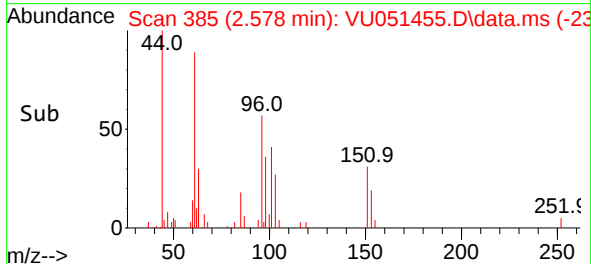
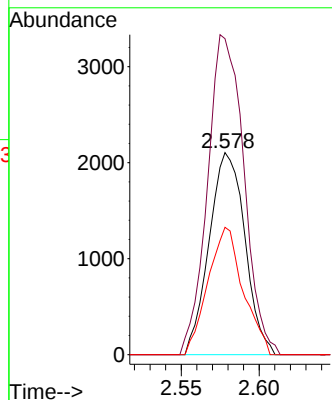
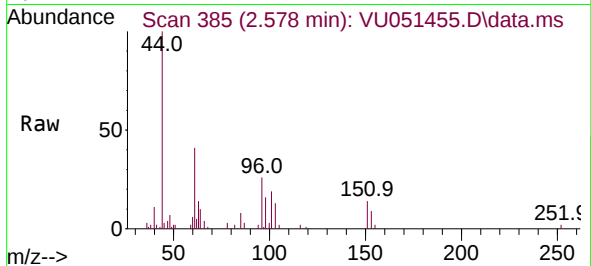




#9
1,1-Dichloroethene
Concen: 0.237 ug/l
RT: 2.578 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

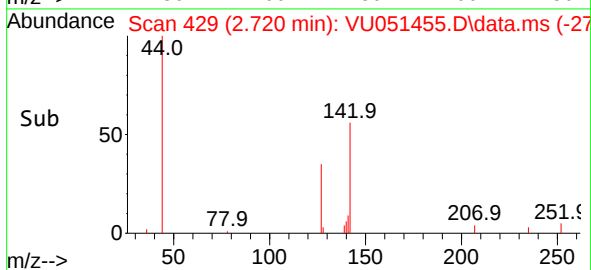
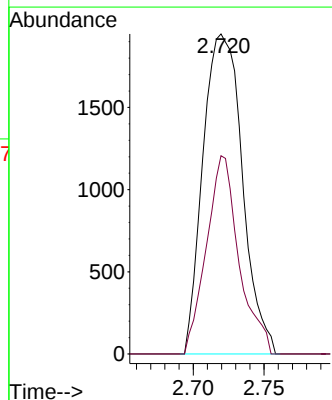
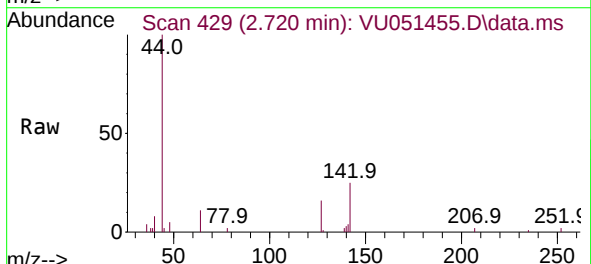
Instrument :
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ClientSampleId :
MDL-WATER-03-QT4-2022

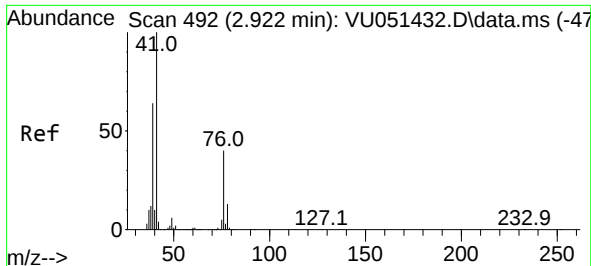
Tgt Ion: 96 Resp: 3356
Ion Ratio Lower Upper
96 100
61 156.4 0.0 522.3
98 63.0 0.0 126.6



#10
Iodomethane
Concen: 0.205 ug/l
RT: 2.720 min Scan# 429
Delta R.T. 0.001 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 142 Resp: 3759
Ion Ratio Lower Upper
142 100
127 51.2 37.0 55.4

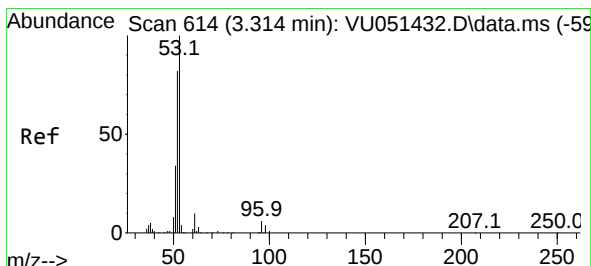
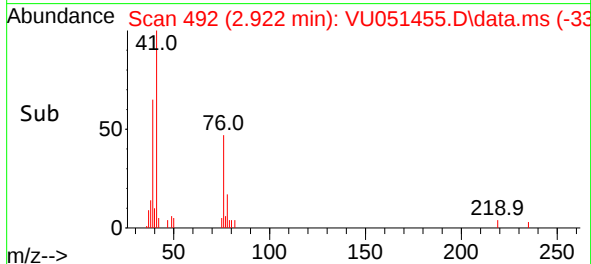
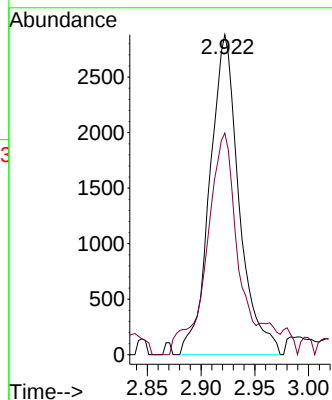
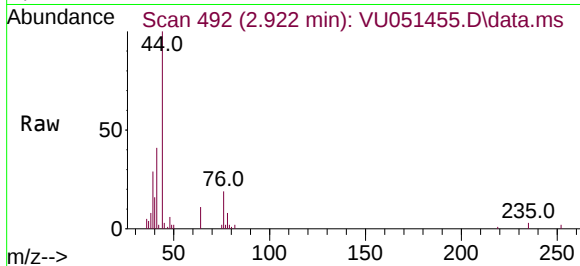




#11
 Allyl Chloride
 Concen: 0.253 ug/l
 RT: 2.922 min Scan# 492
 Delta R.T. 0.000 min
 Lab File: VU051455.D
 Acq: 19 Oct 2022 13:50

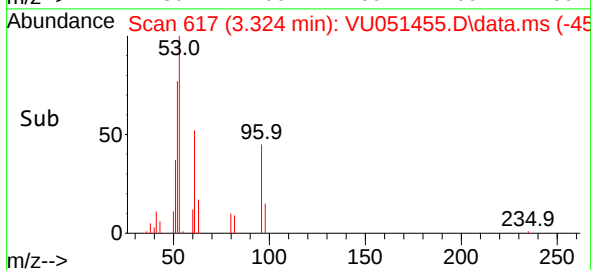
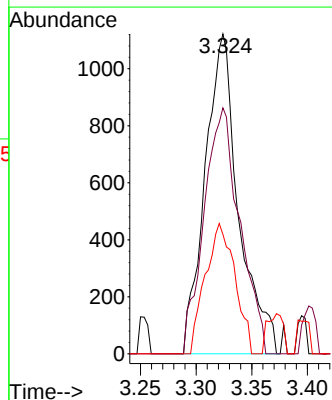
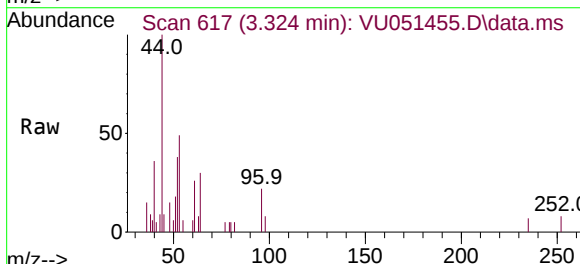
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2022

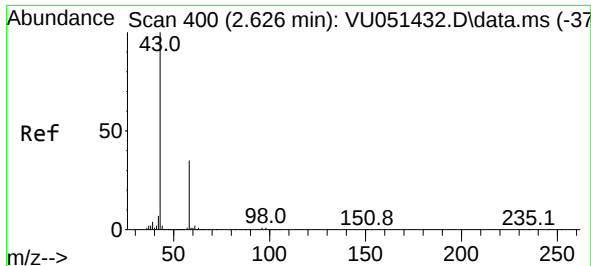
Tgt Ion: 41 Resp: 5459
 Ion Ratio Lower Upper
 41 100
 39 70.9 51.4 77.0



#12
 Acrylonitrile
 Concen: 0.563 ug/l
 RT: 3.324 min Scan# 617
 Delta R.T. 0.010 min
 Lab File: VU051455.D
 Acq: 19 Oct 2022 13:50

Tgt Ion: 53 Resp: 2348
 Ion Ratio Lower Upper
 53 100
 52 81.9 63.9 95.9
 51 36.0 25.9 38.9





#13

Acetone

Concen: 1.522 ug/l

RT: 2.639 min Scan# 400

Delta R.T. 0.013 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

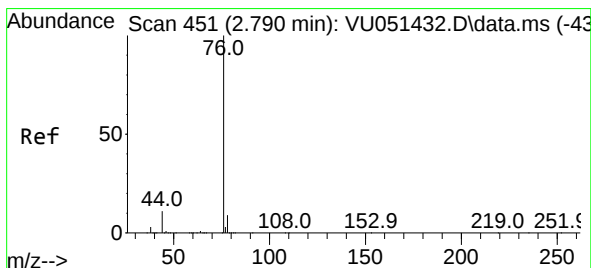
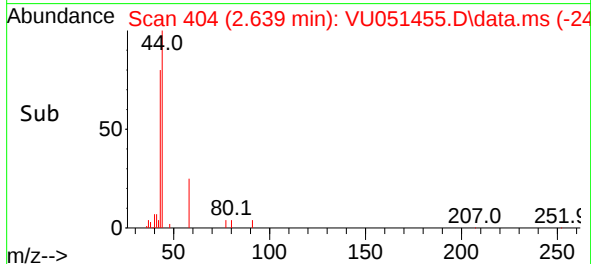
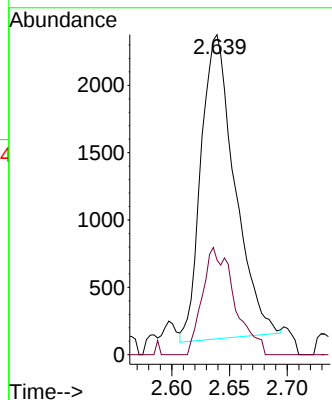
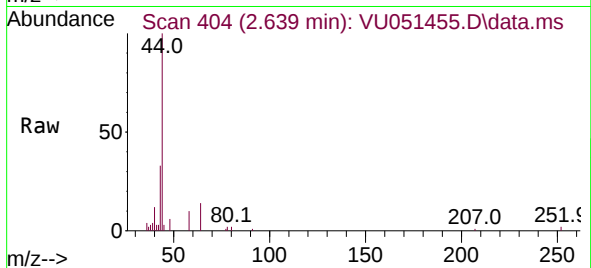
MDL-WATER-03-QT4-2022

Tgt Ion: 43 Resp: 4572

Ion Ratio Lower Upper

43 100

58 31.8 27.9 41.9



#14

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051455.D

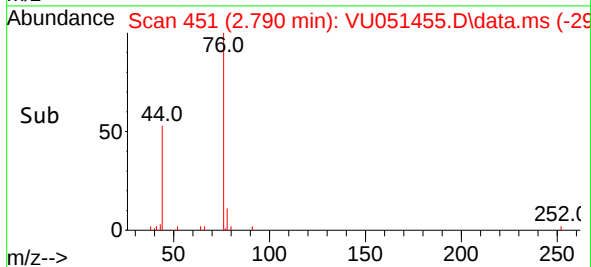
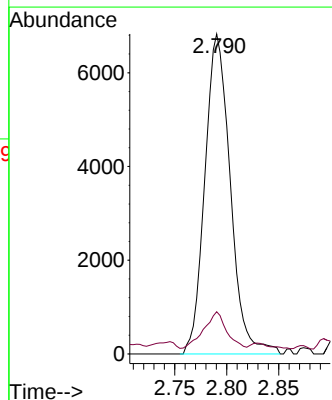
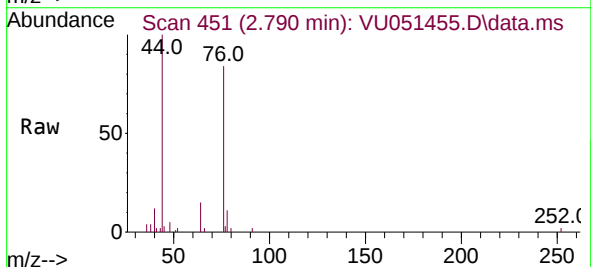
Acq: 19 Oct 2022 13:50

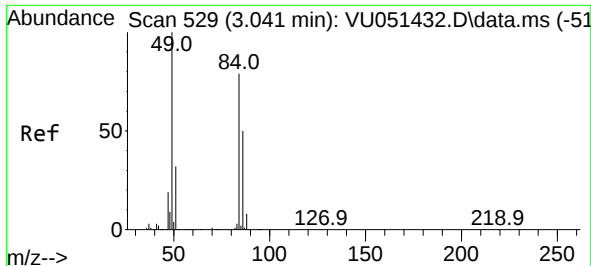
Tgt Ion: 76 Resp: 11639

Ion Ratio Lower Upper

76 100

78 11.5 7.2 10.8#

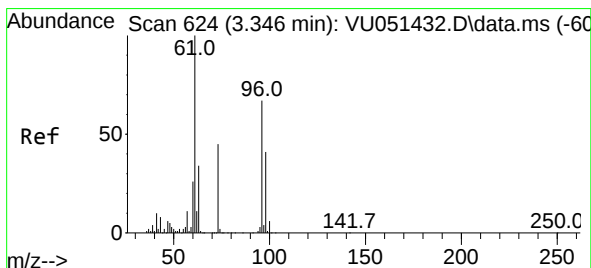
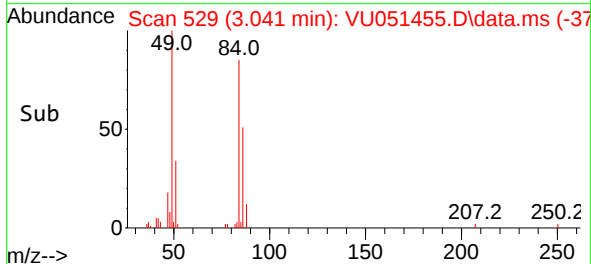
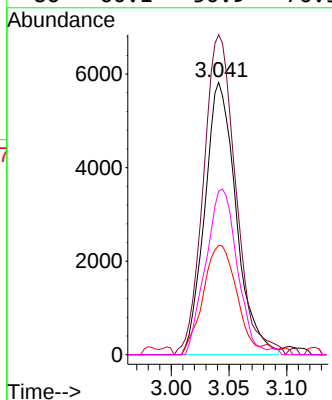
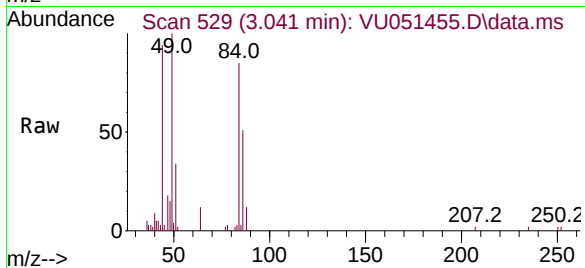




#15
Methylene Chloride
Concen: 0.530 ug/l
RT: 3.041 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

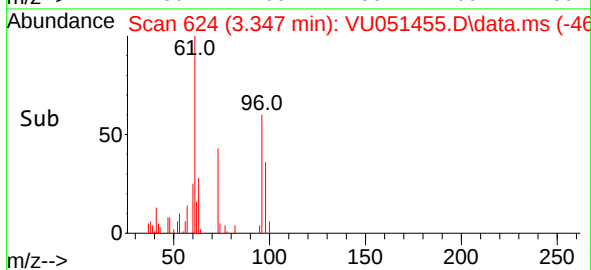
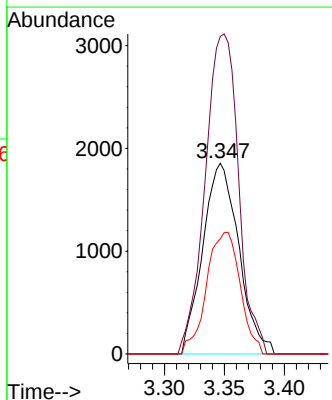
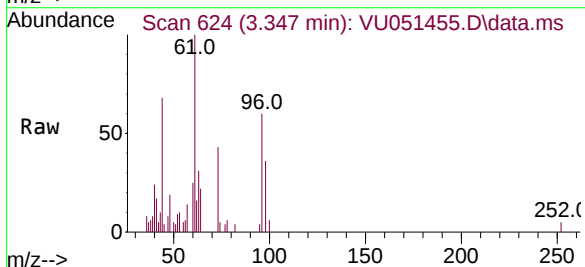
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

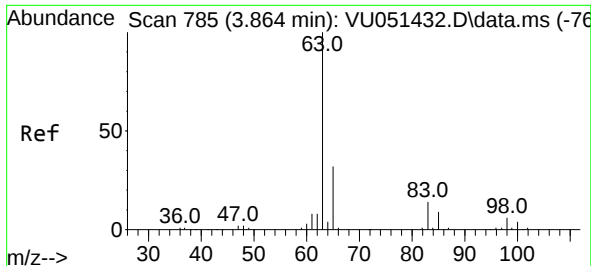
Tgt Ion:	84	Resp:	11008
Ion	Ratio	Lower	Upper
84	100		
49	115.5	101.1	151.7
51	40.1	0.0	80.2
86	60.1	50.9	76.3



#16
trans-1,2-Dichloroethene
Concen: 0.239 ug/l
RT: 3.347 min Scan# 624
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:	96	Resp:	3877
Ion	Ratio	Lower	Upper
96	100		
61	166.5	119.9	179.9
98	60.4	49.5	74.3





#17

1,1-Dichloroethane

Concen: 0.237 ug/l

RT: 3.864 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

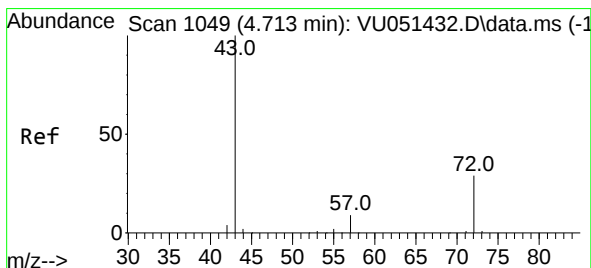
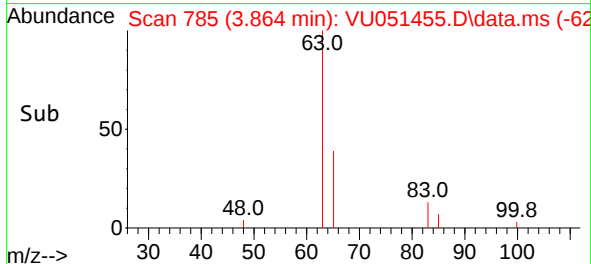
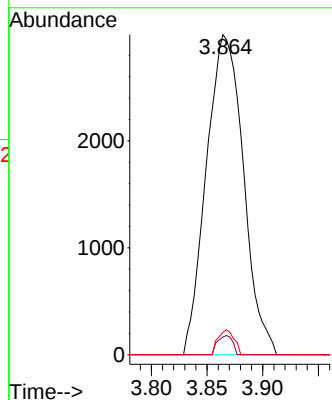
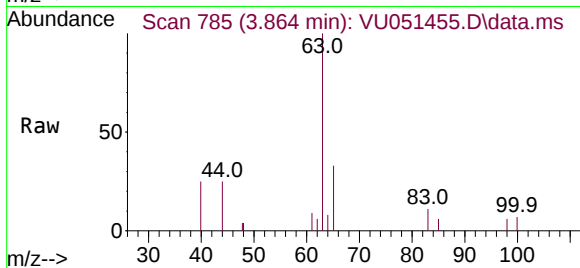
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 63	Resp: 6929
Ion Ratio	Lower Upper
63 100	
98 5.5	3.1 9.3
100 7.0	2.1 6.3



#18

2-Butanone

Concen: 1.015 ug/l

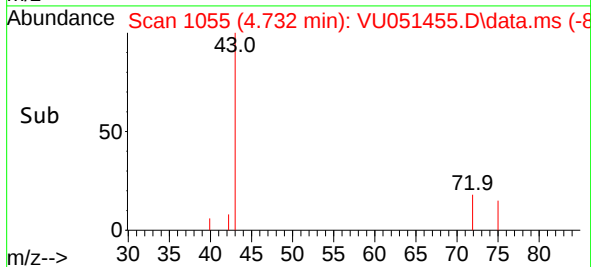
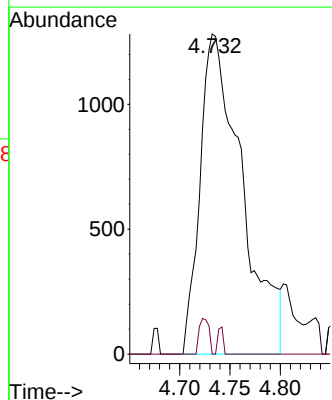
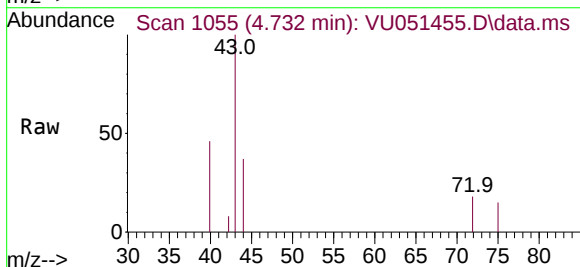
RT: 4.732 min Scan# 1055

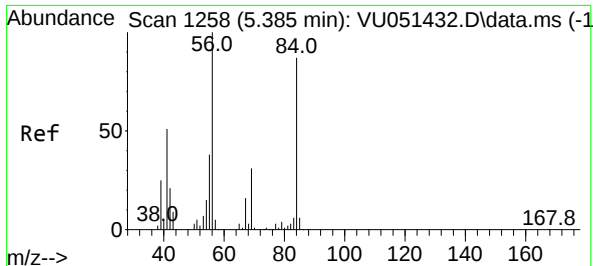
Delta R.T. 0.019 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Tgt Ion: 43	Resp: 3697
Ion Ratio	Lower Upper
43 100	
57 0.0	0.0 18.2





#19

Cyclohexane

Concen: 0.152 ug/l

RT: 5.382 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

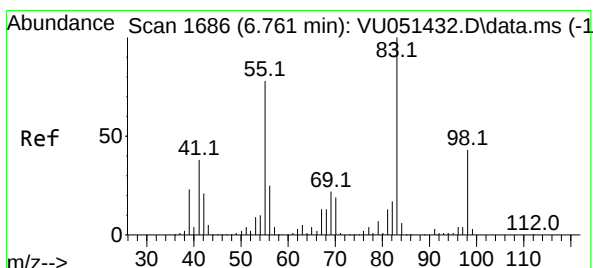
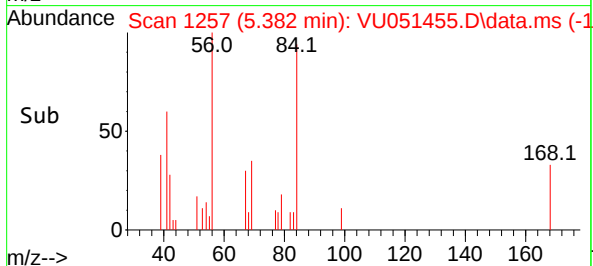
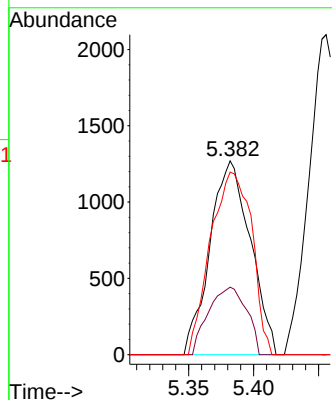
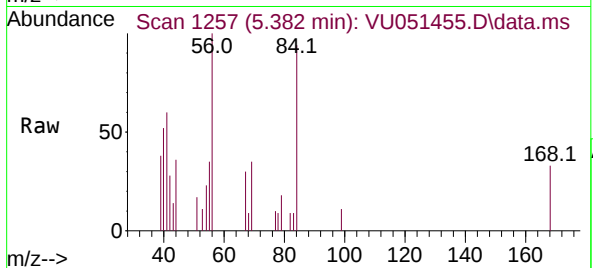
Tgt Ion: 56 Resp: 2752

Ion Ratio Lower Upper

56 100

69 32.7 25.0 37.4

84 96.0 68.5 102.7



#20

Methylcyclohexane

Concen: 0.146 ug/l

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

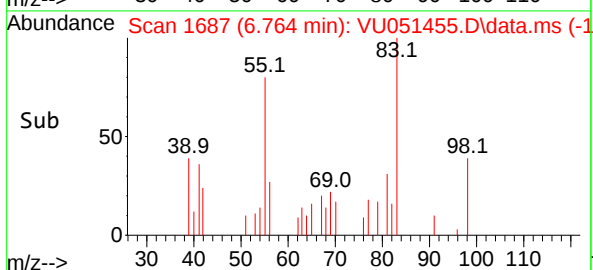
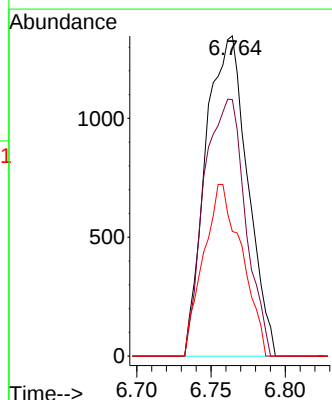
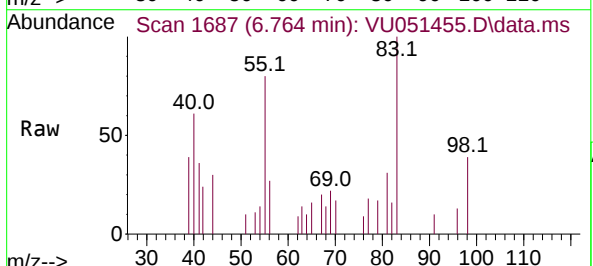
Tgt Ion: 83 Resp: 2631

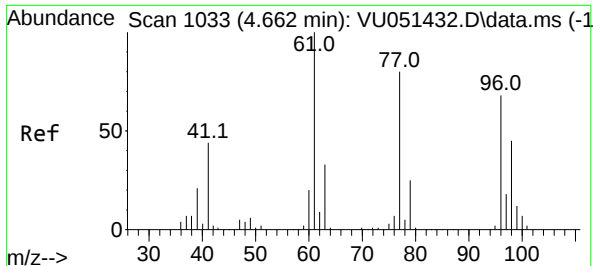
Ion Ratio Lower Upper

83 100

55 79.3 62.4 93.6

98 49.2 35.5 53.3





#21

2,2-Dichloropropane

Concen: 0.231 ug/l

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

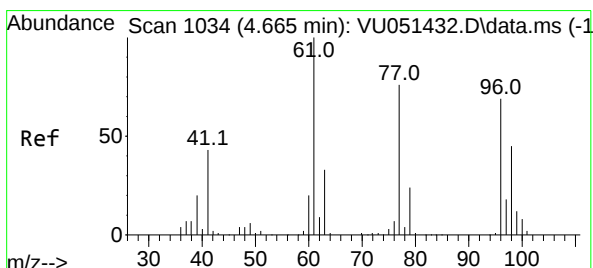
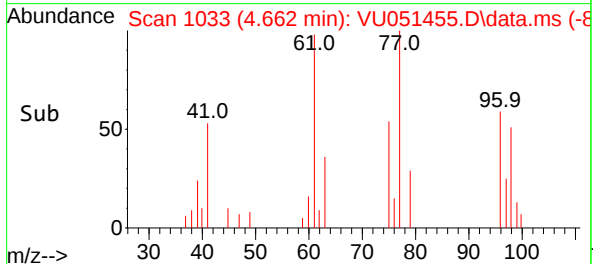
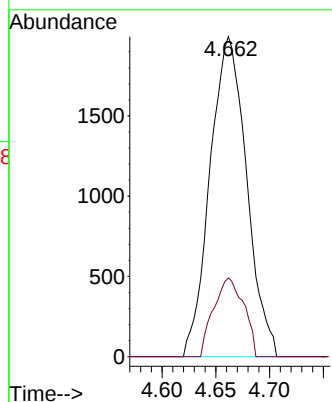
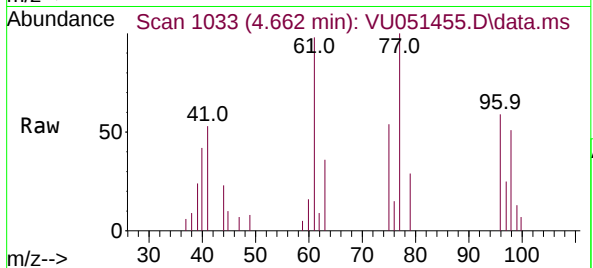
MDL-WATER-03-QT4-2022

Tgt Ion: 77 Resp: 4714

Ion Ratio Lower Upper

77 100

97 20.3 19.0 28.6



#22

cis-1,2-Dichloroethene

Concen: 0.204 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

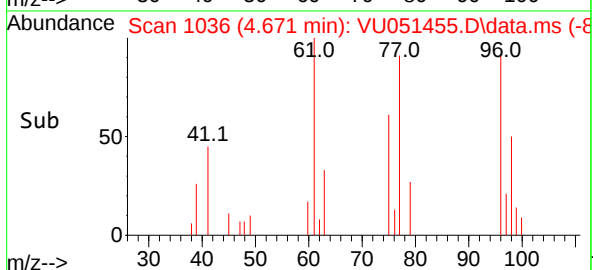
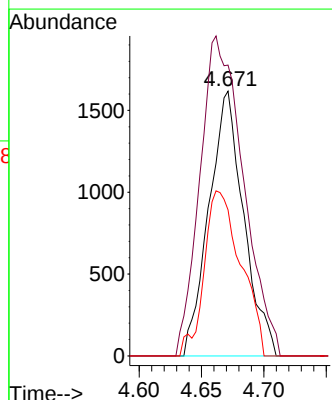
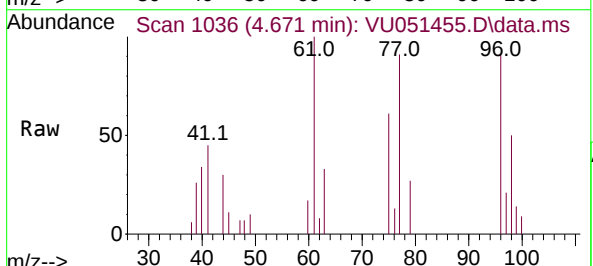
Tgt Ion: 96 Resp: 3139

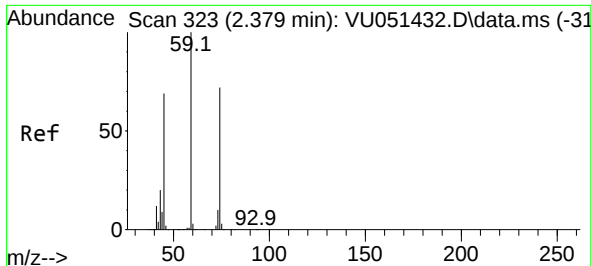
Ion Ratio Lower Upper

96 100

61 150.5 0.0 362.8

98 65.7 32.5 97.5

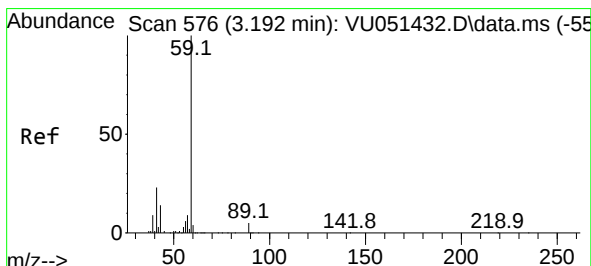
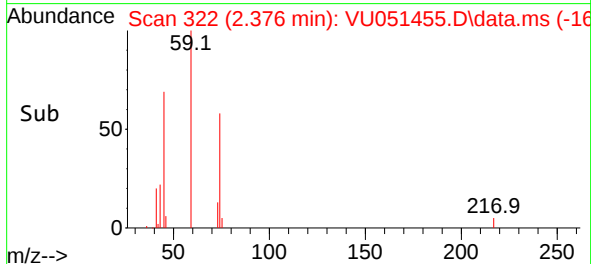
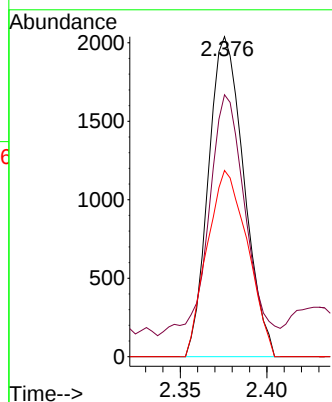
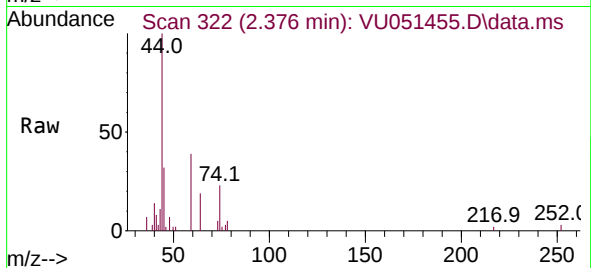




#23
Diethyl Ether
Concen: 0.235 ug/l
RT: 2.376 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

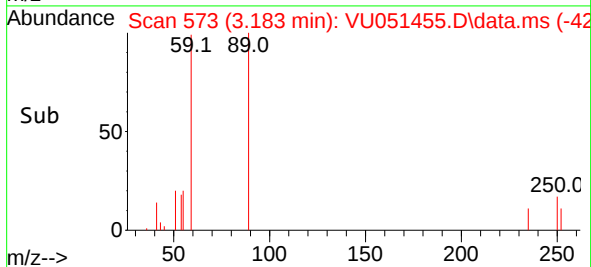
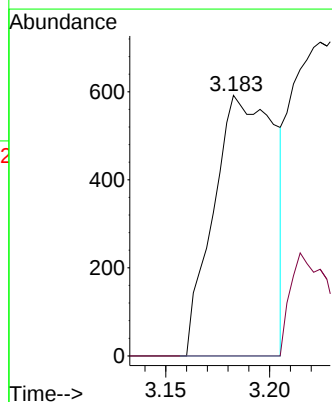
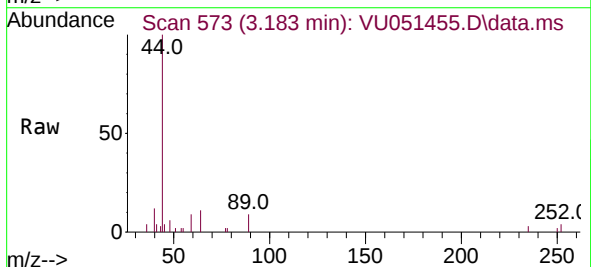
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

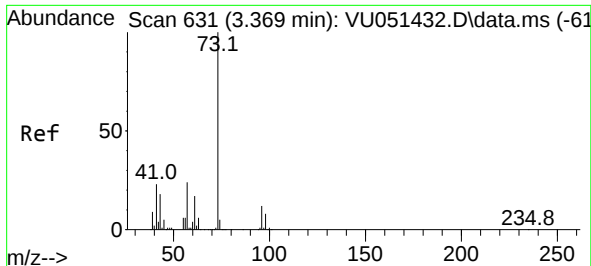
Tgt Ion: 59 Resp: 2906
Ion Ratio Lower Upper
59 100
45 75.1 55.7 83.5
74 66.2 58.2 87.4



#24
tert-Butyl Alcohol
Concen: 0.932 ug/l
RT: 3.183 min Scan# 573
Delta R.T. -0.009 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 59 Resp: 1209
Ion Ratio Lower Upper
59 100
57 22.7 7.8 11.8#

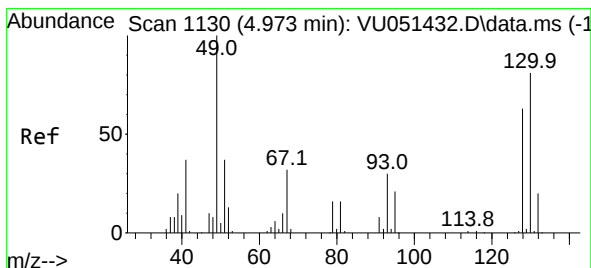
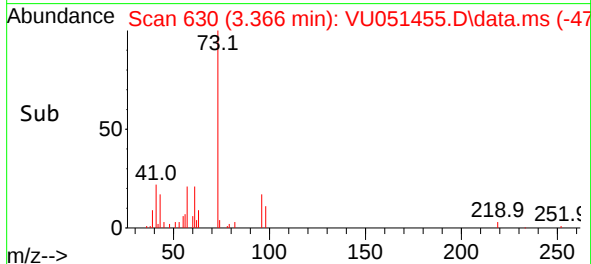
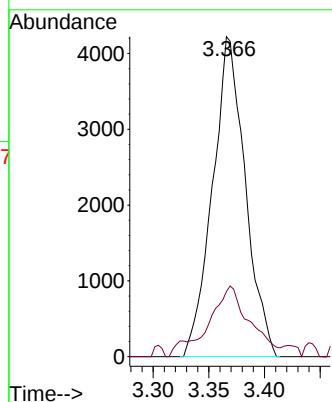
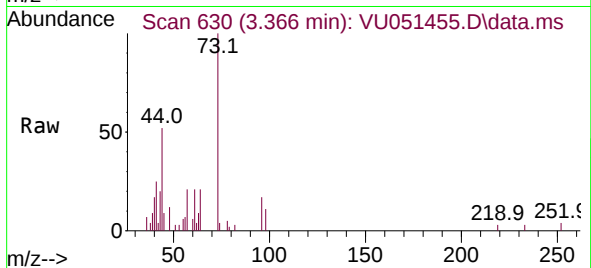




#25
Methyl tert-Butyl Ether
Concen: 0.234 ug/l
RT: 3.366 min Scan# 611
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

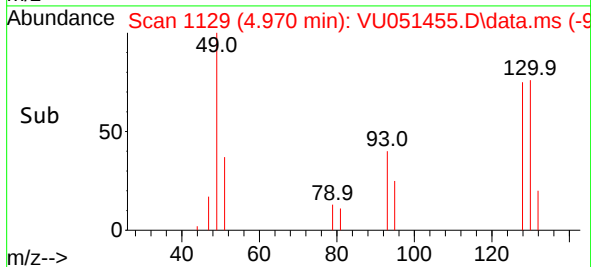
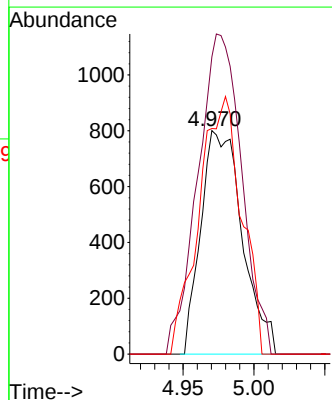
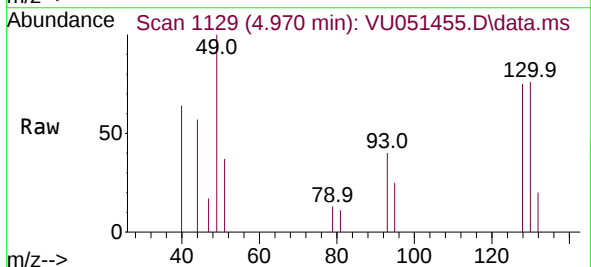
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

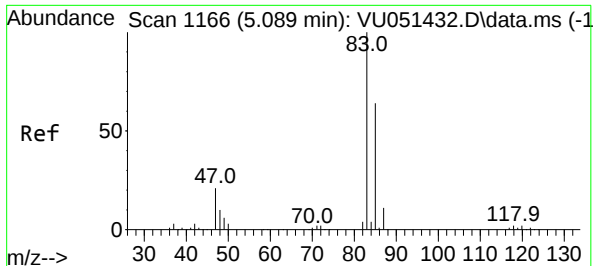
Tgt Ion: 73 Resp: 8639
Ion Ratio Lower Upper
73 100
43 20.9 14.2 21.4



#26
Bromochloromethane
Concen: 0.217 ug/l
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 128 Resp: 1630
Ion Ratio Lower Upper
128 100
49 151.3 0.0 320.4
130 118.1 105.0 157.6





#27

Chloroform

Concen: 0.247 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

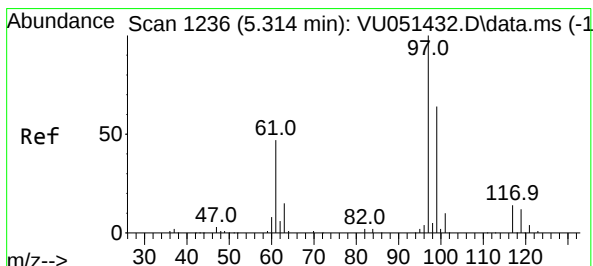
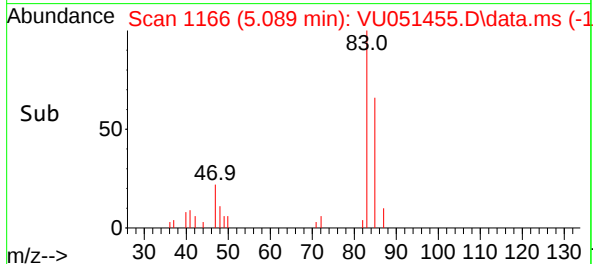
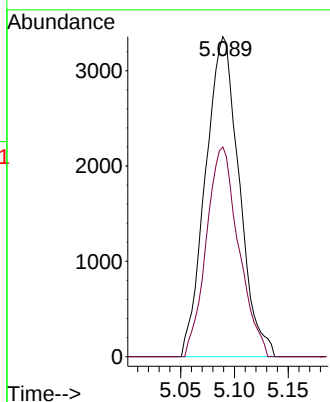
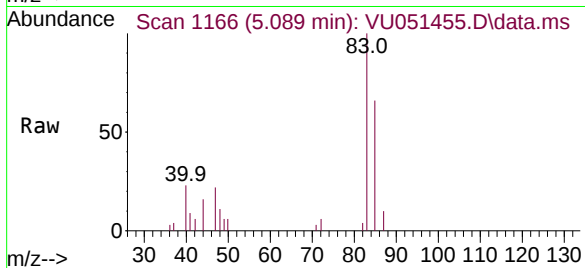
MDL-WATER-03-QT4-2022

Tgt Ion: 83 Resp: 7313

Ion Ratio Lower Upper

83 100

85 65.6 0.0 128.8



#28

1,1,1-Trichloroethane

Concen: 0.220 ug/l

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

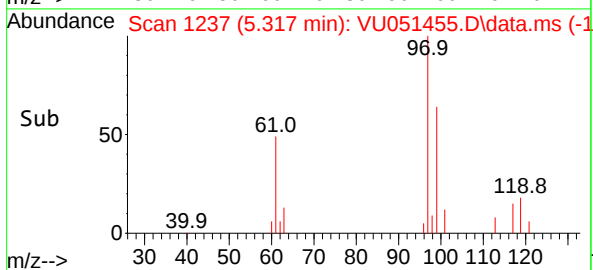
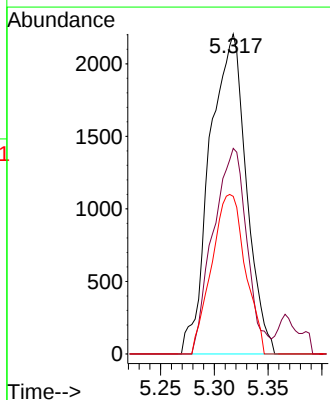
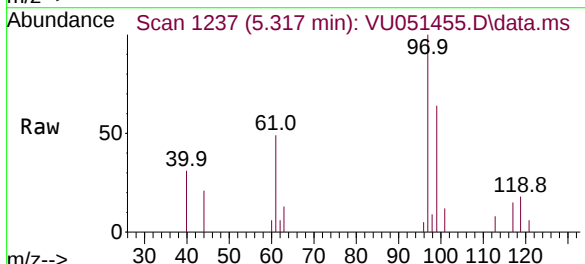
Tgt Ion: 97 Resp: 5202

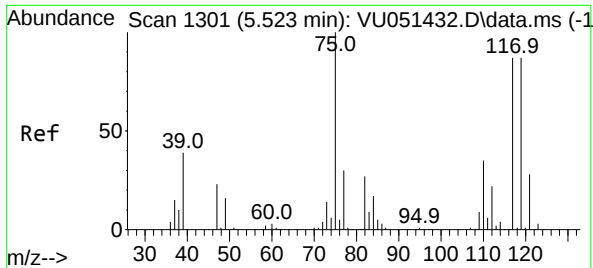
Ion Ratio Lower Upper

97 100

99 59.9 31.8 95.4

61 46.0 23.6 71.0





#29

1,1-Dichloropropene

Concen: 0.168 ug/l

RT: 5.527 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

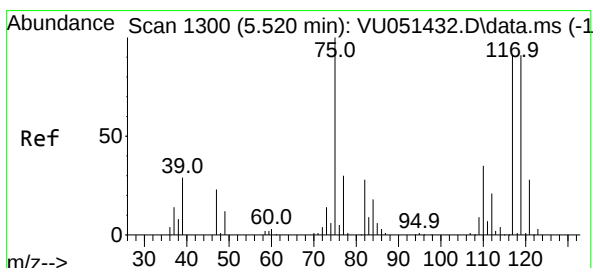
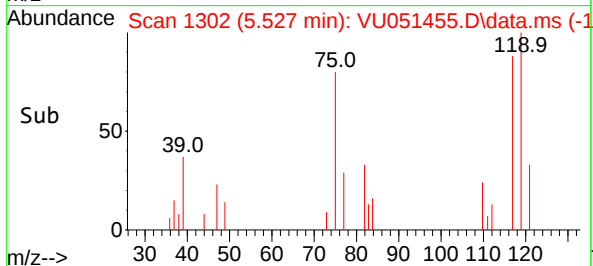
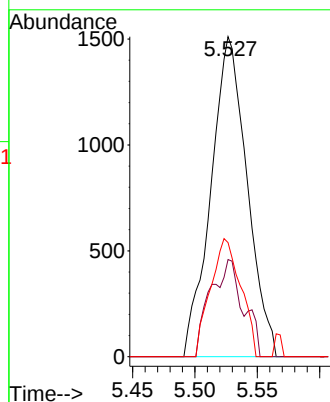
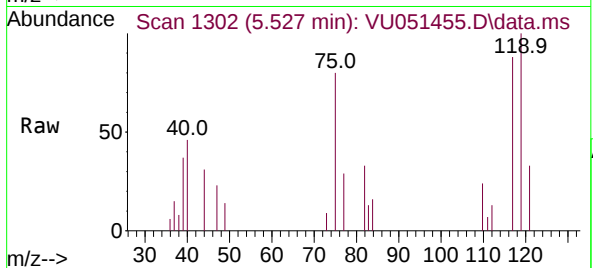
Tgt Ion: 75 Resp: 3048

Ion Ratio Lower Upper

75 100

110 27.7 17.8 53.3

77 30.9 24.2 36.4



#30

Carbon Tetrachloride

Concen: 0.206 ug/l

RT: 5.517 min Scan# 1299

Delta R.T. -0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

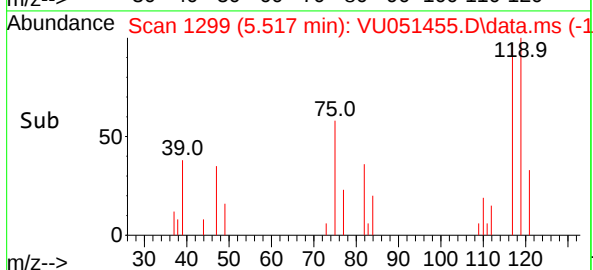
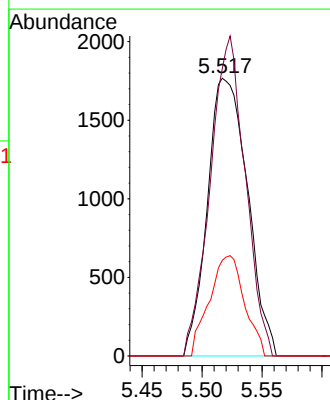
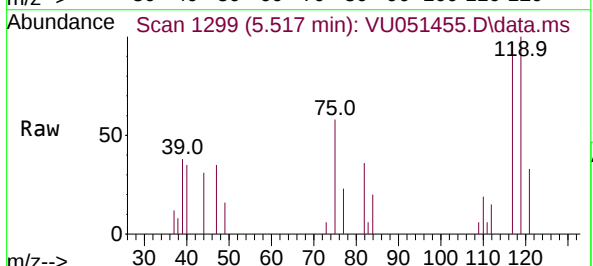
Tgt Ion: 117 Resp: 4102

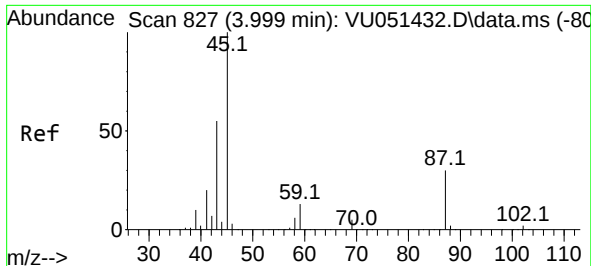
Ion Ratio Lower Upper

117 100

119 103.4 80.0 120.0

121 34.5 24.9 37.3

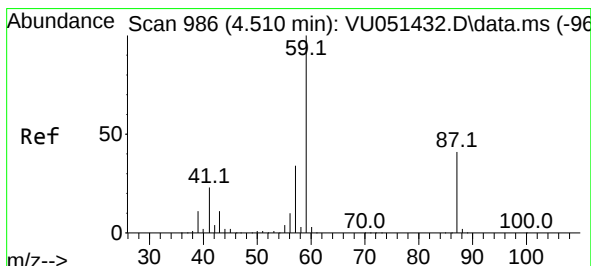
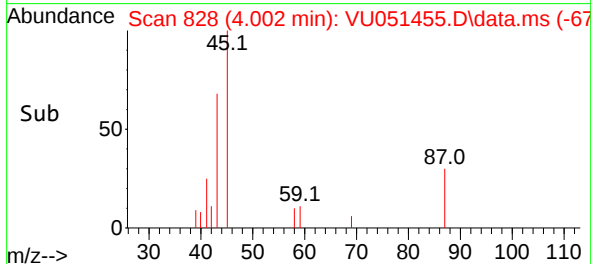
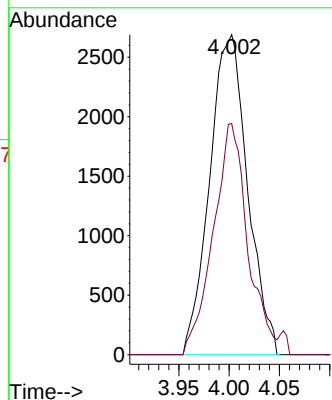
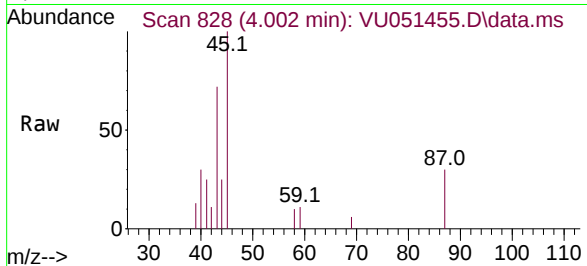




#31
Isopropyl Ether
Concen: 0.204 ug/l
RT: 4.002 min Scan# 81
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

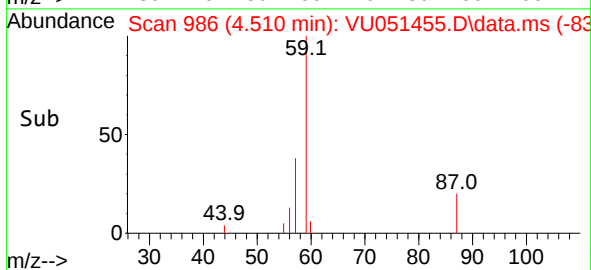
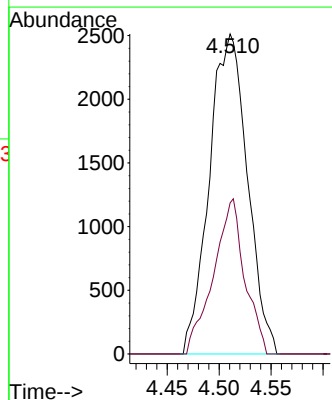
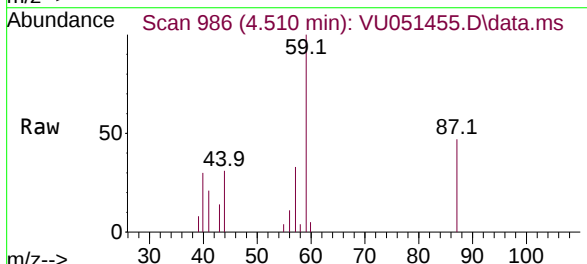
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

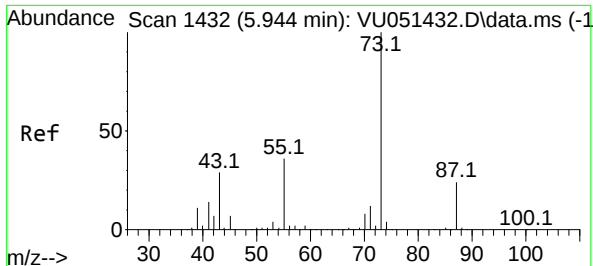
Tgt Ion: 45 Resp: 7063
Ion Ratio Lower Upper
45 100
43 65.6 27.6 82.7



#32
Ethyl-t-butyl ether
Concen: 0.203 ug/l
RT: 4.510 min Scan# 986
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 59 Resp: 6402
Ion Ratio Lower Upper
59 100
87 39.9 33.8 50.8

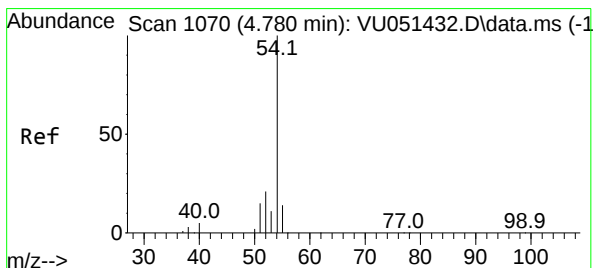
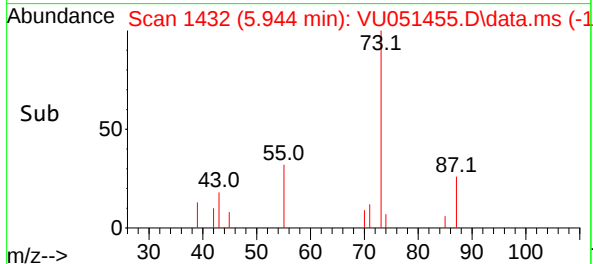
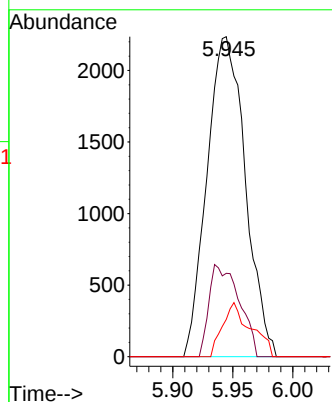
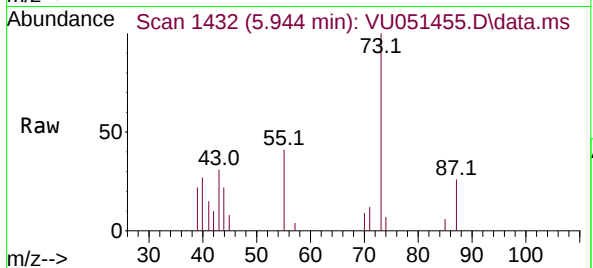




#33
Tert-Amyl methyl ether
Concen: 0.179 ug/l
RT: 5.944 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

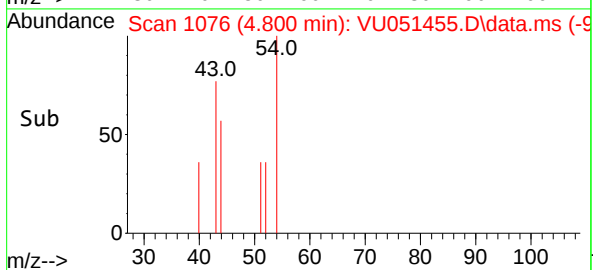
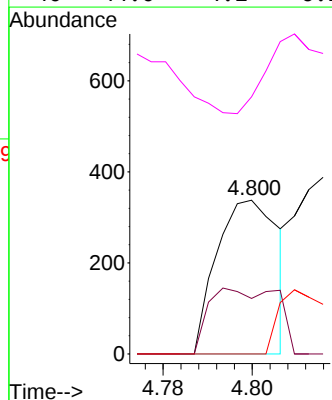
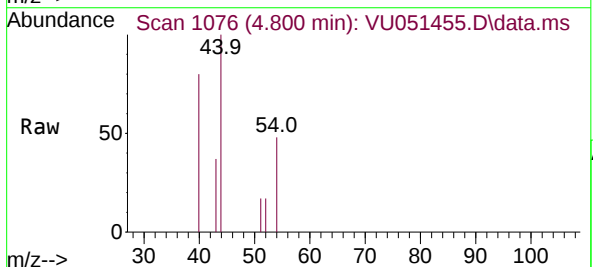
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2022

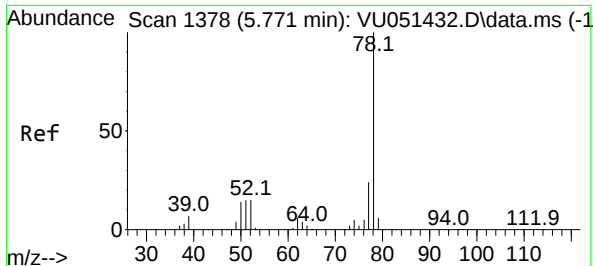
Tgt Ion: 73	Resp: 4957
Ion Ratio	Lower Upper
73 100	
87 22.7	18.9 28.3
71 12.4	9.4 14.2



#34
Propionitrile
Concen: 0.264 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.019 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt	Ion: 54	Resp:	323
Ion	Ratio	Lower	Upper
54	100		
52	47.4	16.4	24.6#
55	29.1	11.5	17.3#
40	44.0	4.2	6.2#

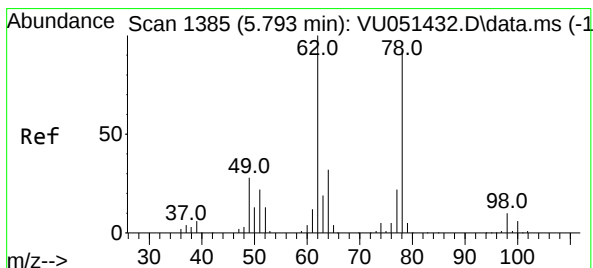
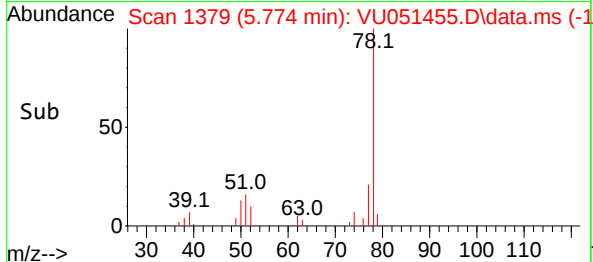
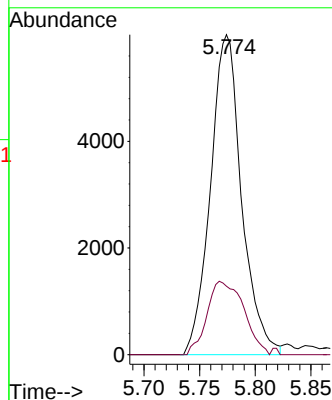
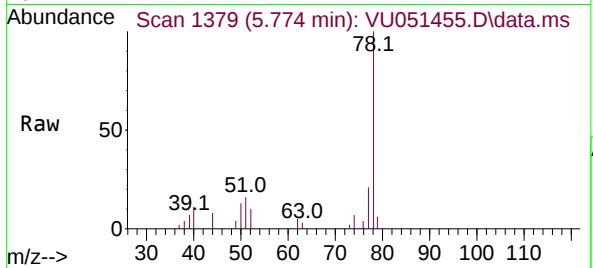




#35
Benzene
Concen: 0.192 ug/l
RT: 5.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

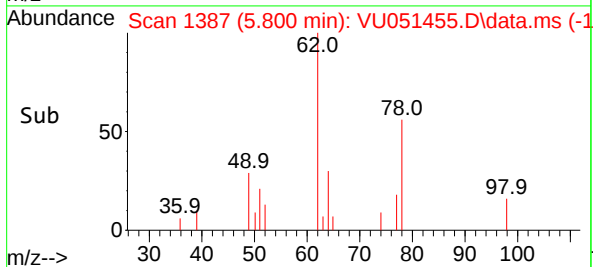
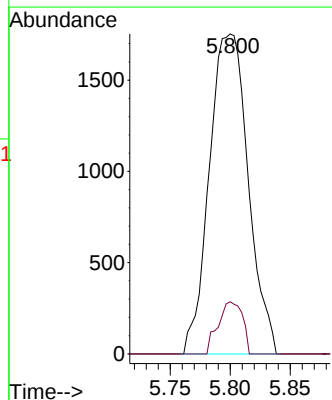
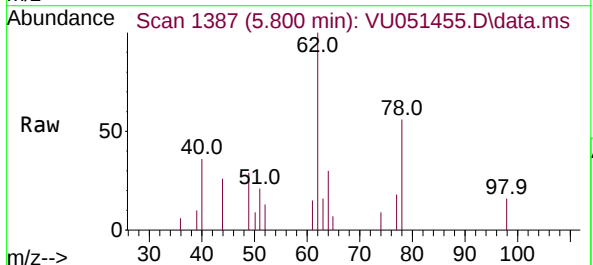
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

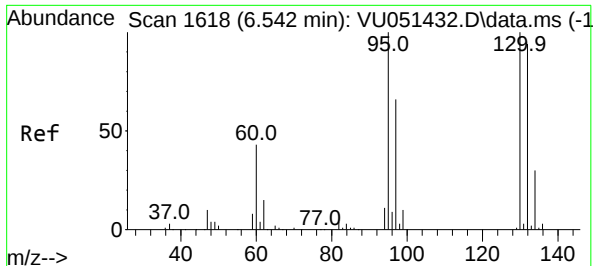
Tgt Ion: 78 Resp: 11666
Ion Ratio Lower Upper
78 100
77 21.4 19.0 28.6



#36
1,2-Dichloroethane
Concen: 0.211 ug/l
RT: 5.800 min Scan# 1387
Delta R.T. 0.007 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 62 Resp: 3956
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.2





#37

Trichloroethene

Concen: 0.188 ug/l

RT: 6.546 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

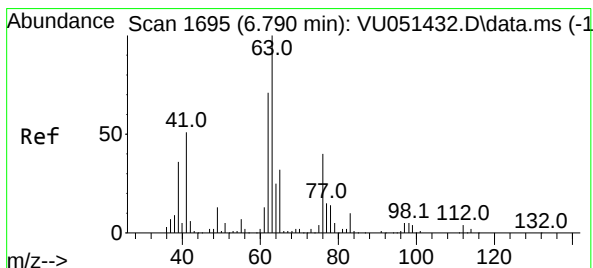
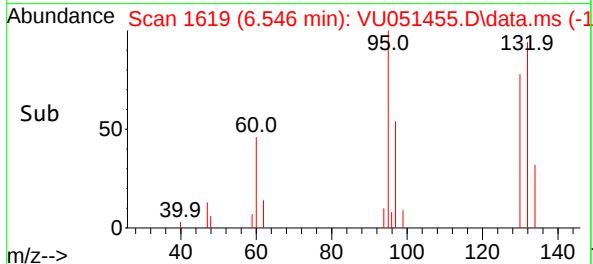
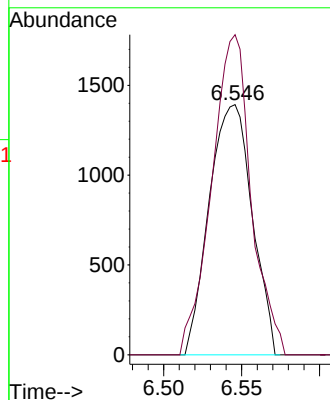
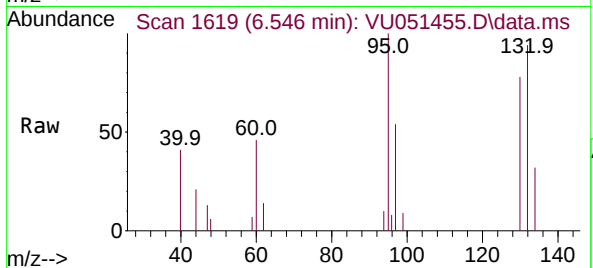
MDL-WATER-03-QT4-2022

Tgt Ion:130 Resp: 2676

Ion Ratio Lower Upper

130 100

95 127.9 80.2 120.4#



#38

1,2-Dichloropropane

Concen: 0.213 ug/l

RT: 6.790 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VU051455.D

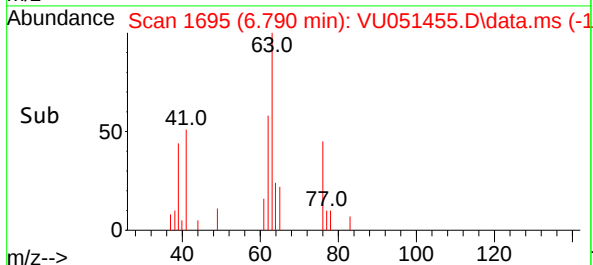
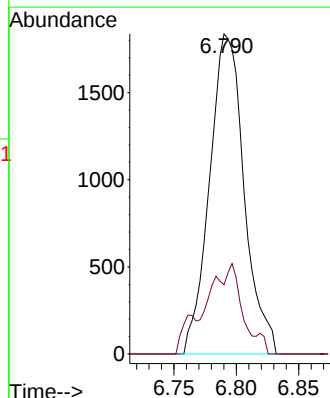
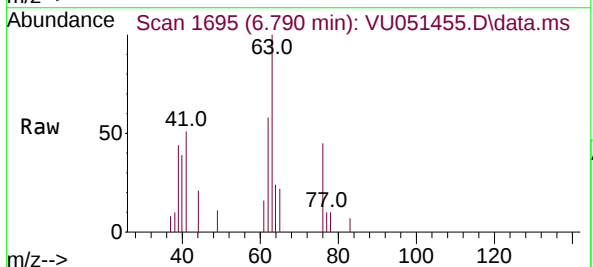
Acq: 19 Oct 2022 13:50

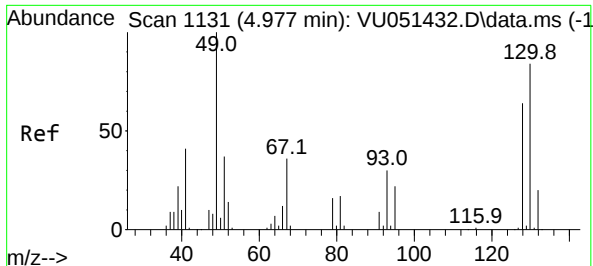
Tgt Ion: 63 Resp: 3550

Ion Ratio Lower Upper

63 100

65 21.7 25.4 38.2#





#39

Methacrylonitrile

Concen: 0.134 ug/l

RT: 4.990 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VU051455.D

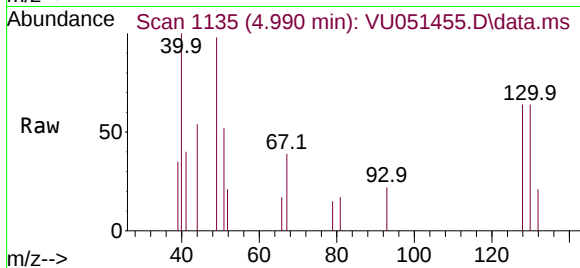
Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022



Tgt Ion: 41 Resp: 562

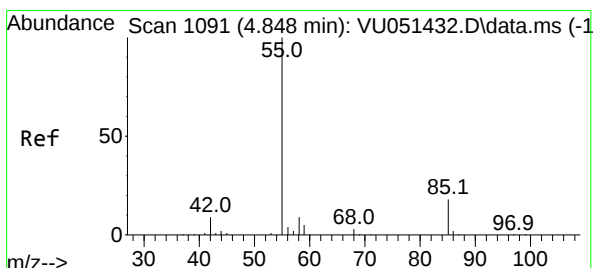
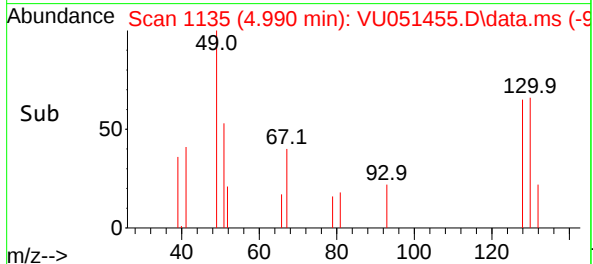
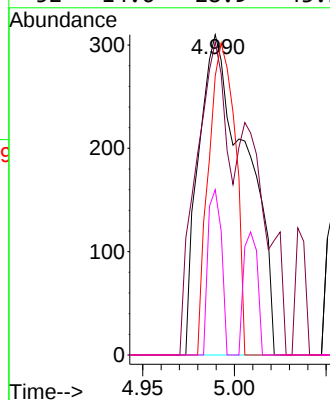
Ion Ratio Lower Upper

41 100

67 65.5 69.6 104.4#

39 54.1 42.2 63.4

52 14.6 28.9 43.3#



#40

Methyl acrylate

Concen: 0.014 ug/l

RT: 4.809 min Scan# 1079

Delta R.T. -0.038 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Tgt Ion: 55 Resp: 94

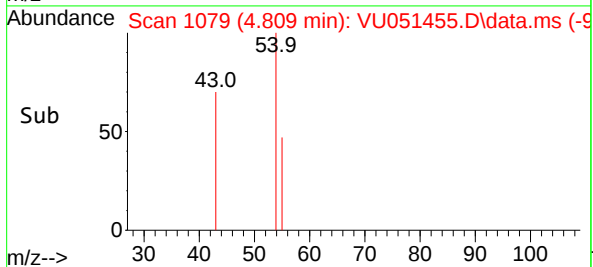
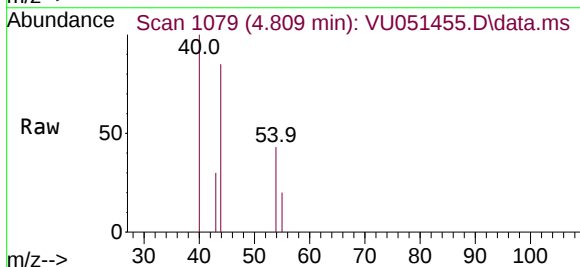
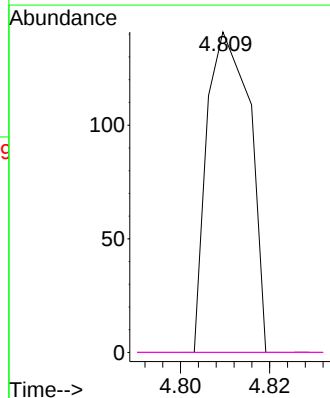
Ion Ratio Lower Upper

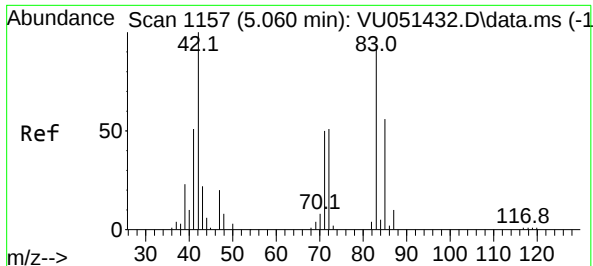
55 100

85 0.0 15.0 22.6#

58 0.0 7.5 11.3#

42 77.7 7.8 11.6#

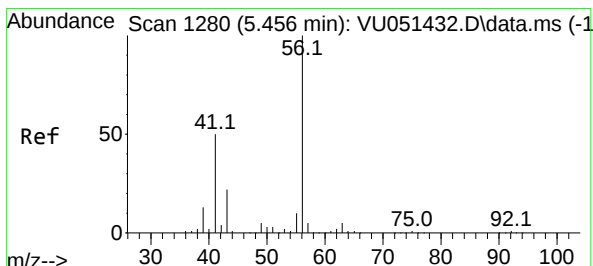
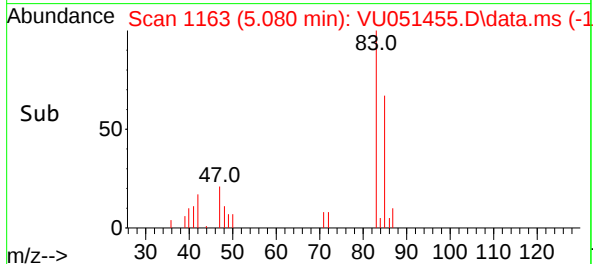
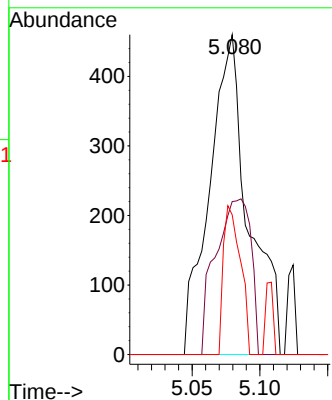
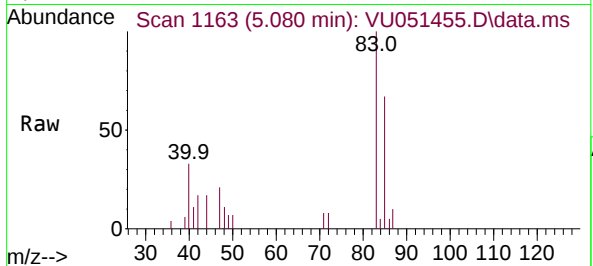




#41
Tetrahydrofuran
Concen: 0.420 ug/l
RT: 5.080 min Scan# 1157
Delta R.T. 0.019 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

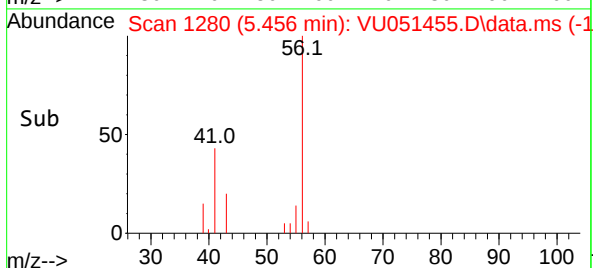
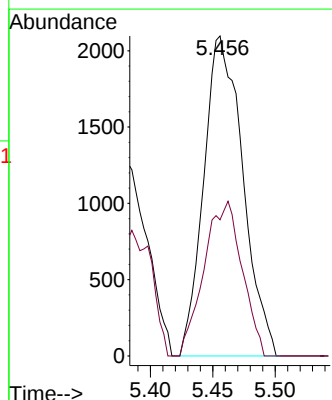
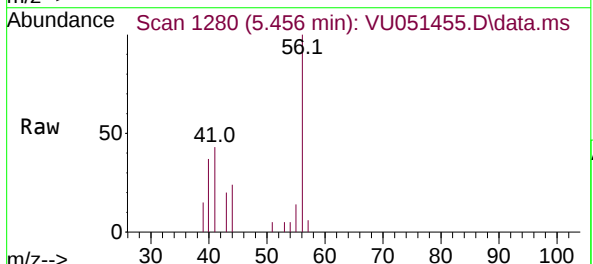
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

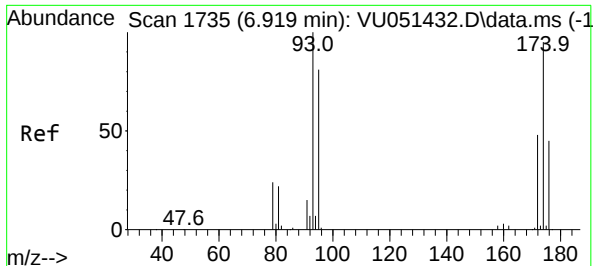
Tgt Ion:	42	Resp:	923
Ion	Ratio	Lower	Upper
42	100		
72	43.9	42.6	64.0
71	20.3	38.3	57.5



#42
1-Chlorobutane
Concen: 0.185 ug/l
RT: 5.456 min Scan# 1280
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:	56	Resp:	4567
Ion	Ratio	Lower	Upper
56	100		
41	47.0	24.8	74.4





#43

Dibromomethane

Concen: 0.220 ug/l

RT: 6.919 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

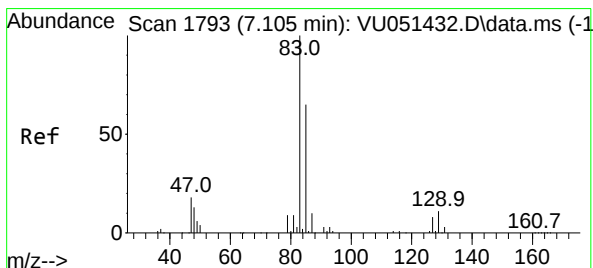
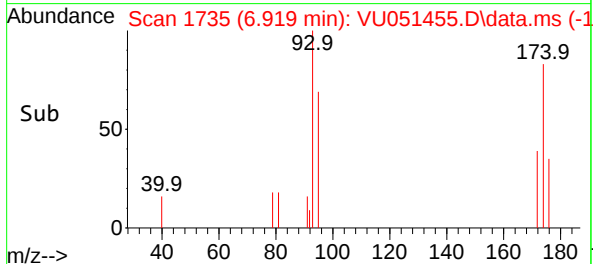
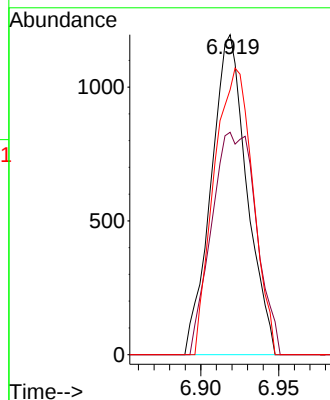
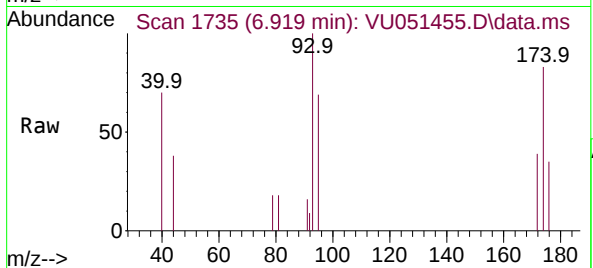
Tgt Ion: 93 Resp: 1903

Ion Ratio Lower Upper

93 100

95 87.2 66.7 100.1

174 97.5 75.5 113.3



#44

Bromodichloromethane

Concen: 0.211 ug/l

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

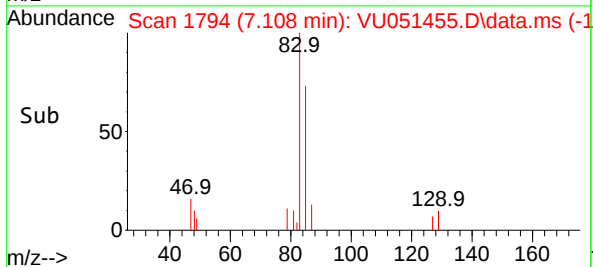
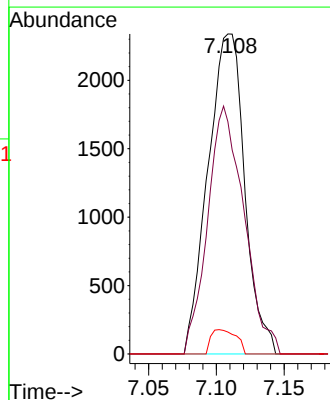
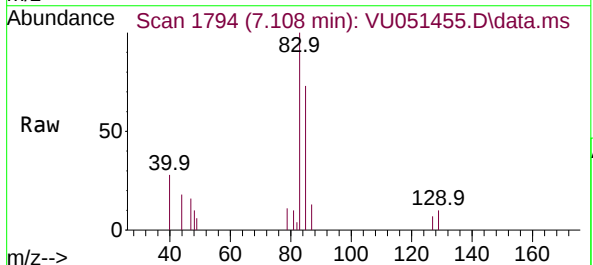
Tgt Ion: 83 Resp: 4410

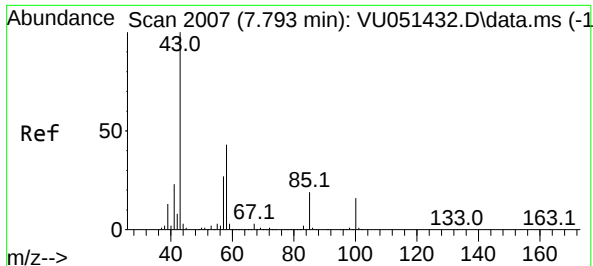
Ion Ratio Lower Upper

83 100

85 72.6 52.1 78.1

127 6.8 6.8 10.2





#45

4-Methyl-2-Pentanone

Concen: 0.896 ug/l

RT: 7.800 min Scan# 2007

Delta R.T. 0.007 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

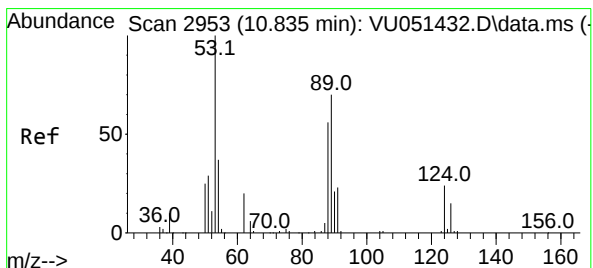
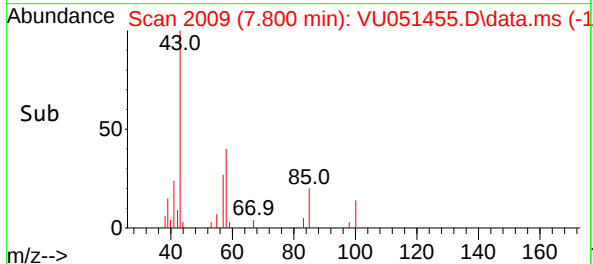
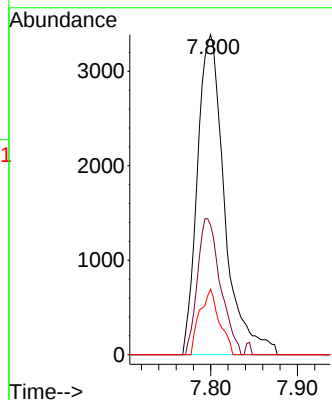
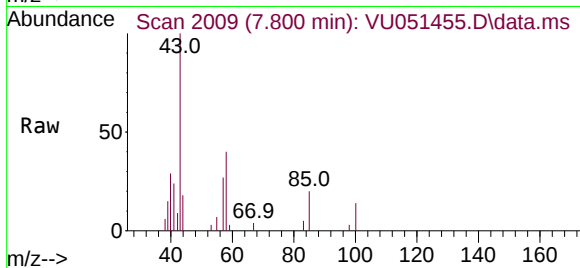
Tgt Ion: 43 Resp: 7373

Ion Ratio Lower Upper

43 100

58 35.9 21.4 64.3

85 14.8 15.4 23.0#



#46

t-1,4-Dichloro-2-butene

Concen: 0.796 ug/l

RT: 10.822 min Scan# 2949

Delta R.T. -0.013 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Tgt Ion: 75 Resp: 3657

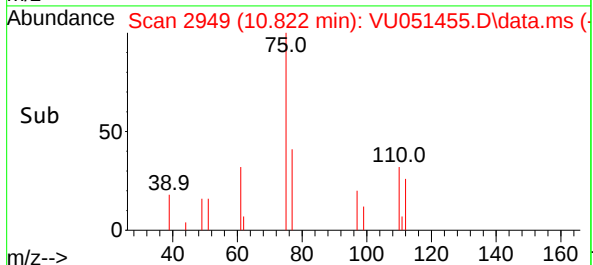
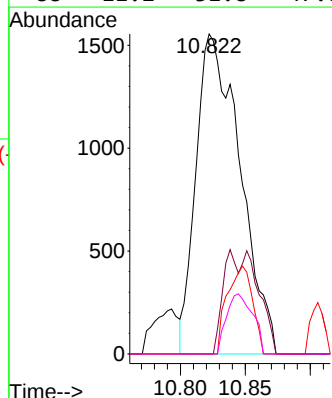
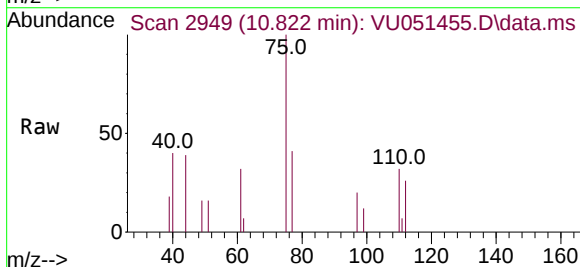
Ion Ratio Lower Upper

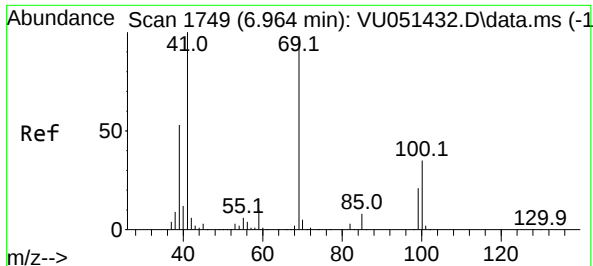
75 100

53 11.5 61.1 91.7#

89 15.8 41.0 61.6#

88 11.2 31.8 47.8#





#47

Methyl methacrylate

Concen: 0.258 ug/l

RT: 6.967 min Scan# 1750

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion: 69 Resp: 1702

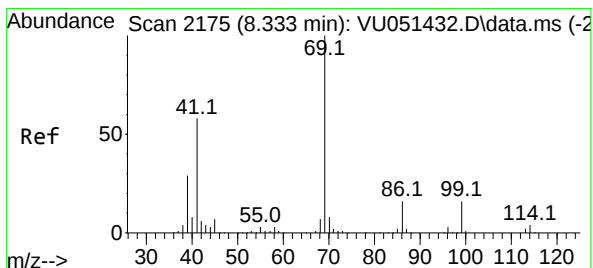
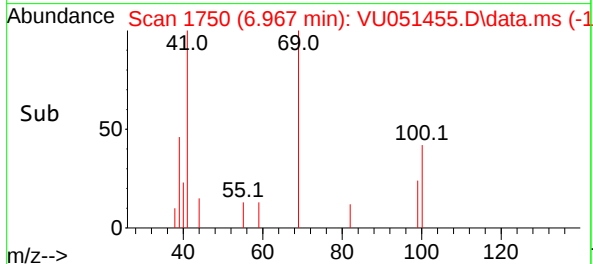
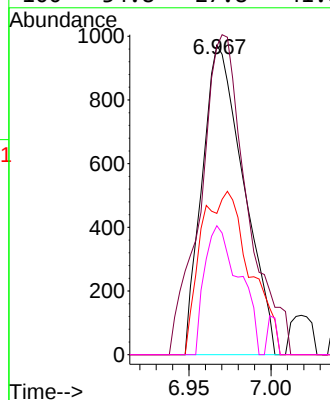
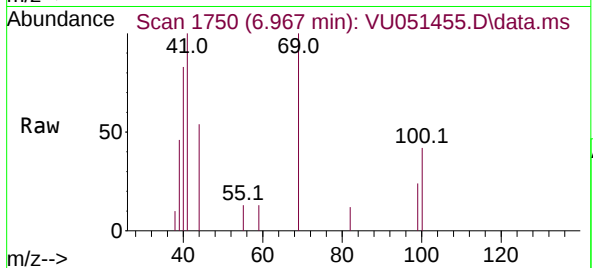
Ion Ratio Lower Upper

69 100

41 116.0 0.0 200.8

39 62.9 44.1 66.1

100 34.8 27.8 41.8



#48

Ethyl methacrylate

Concen: 0.146 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. 0.004 min

Lab File: VU051455.D

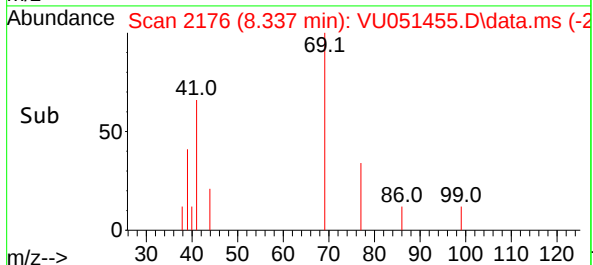
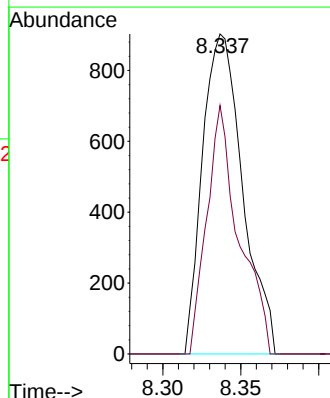
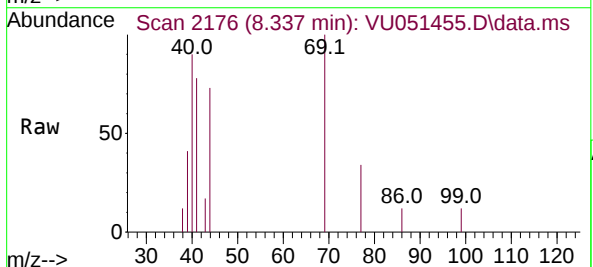
Acq: 19 Oct 2022 13:50

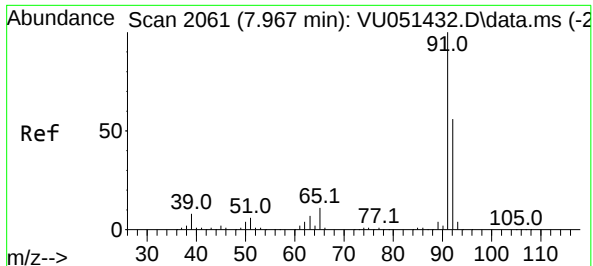
Tgt Ion: 69 Resp: 1620

Ion Ratio Lower Upper

69 100

41 62.2 28.8 86.5





#49

Toluene

Concen: 0.162 ug/l

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

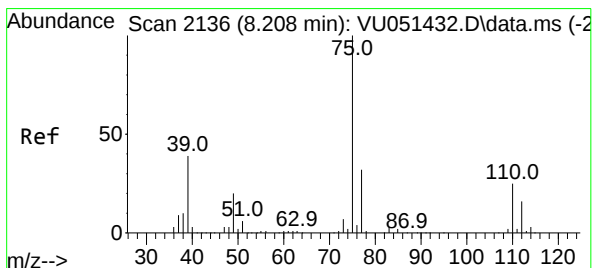
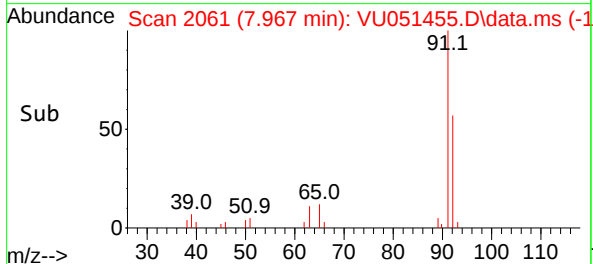
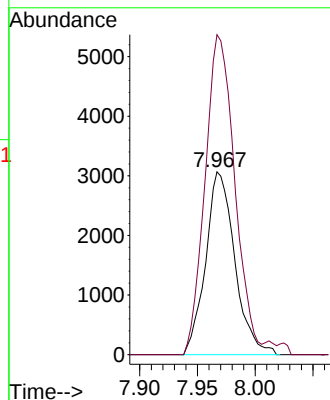
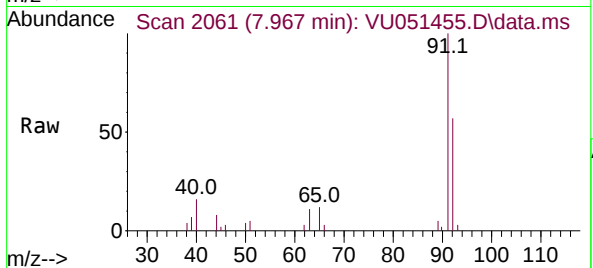
MDL-WATER-03-QT4-2022

Tgt Ion: 92 Resp: 5388

Ion Ratio Lower Upper

92 100

91 177.8 141.8 212.6



#50

t-1,3-Dichloropropene

Concen: 0.178 ug/l

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051455.D

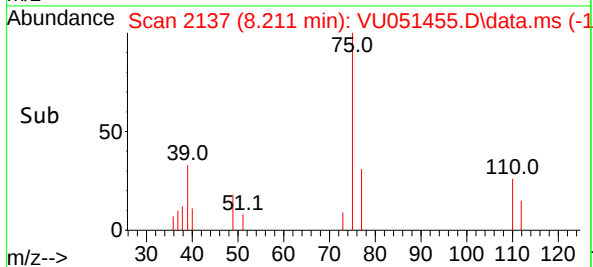
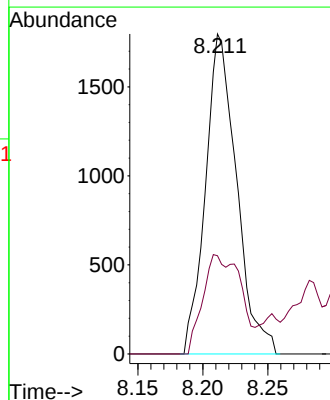
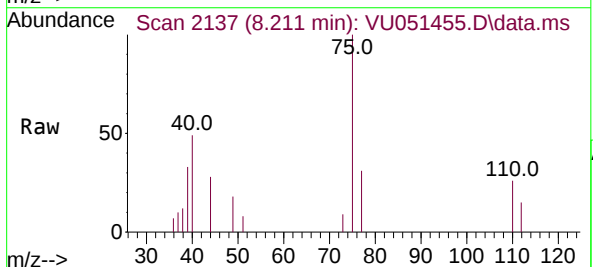
Acq: 19 Oct 2022 13:50

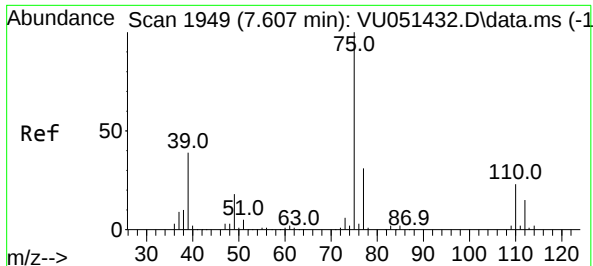
Tgt Ion: 75 Resp: 2988

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.6





#51

cis-1,3-Dichloropropene

Concen: 0.192 ug/l

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

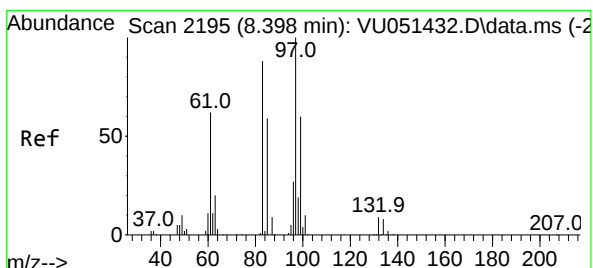
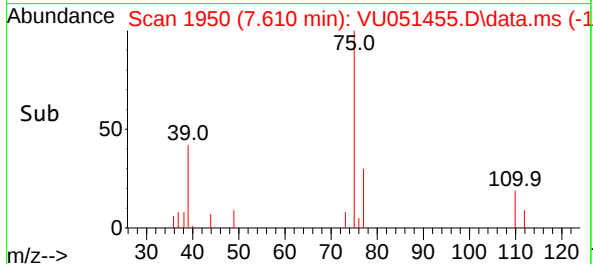
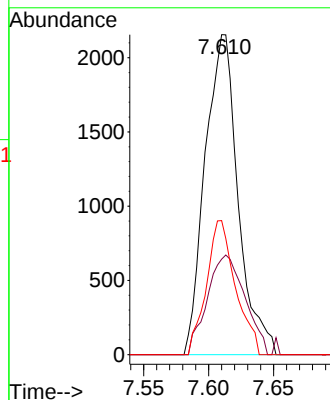
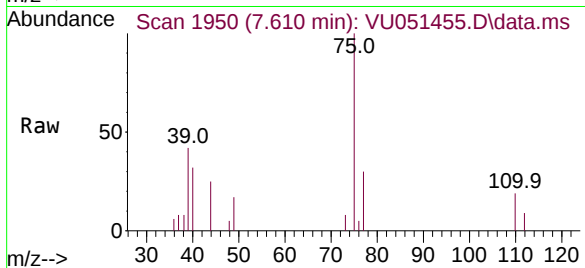
Tgt Ion: 75 Resp: 3804

Ion Ratio Lower Upper

75 100

77 29.8 25.1 37.7

39 41.9 31.4 47.0



#52

1,1,2-Trichloroethane

Concen: 0.221 ug/l

RT: 8.401 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Tgt Ion: 97 Resp: 2731

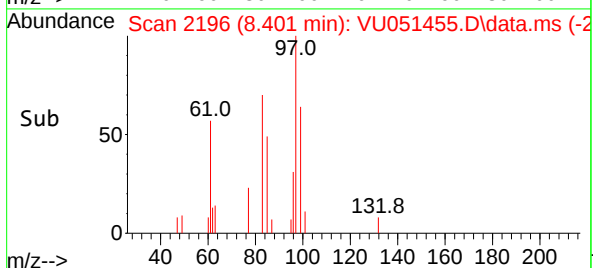
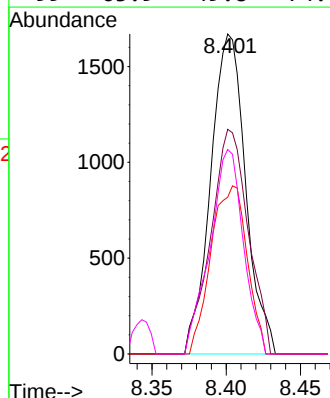
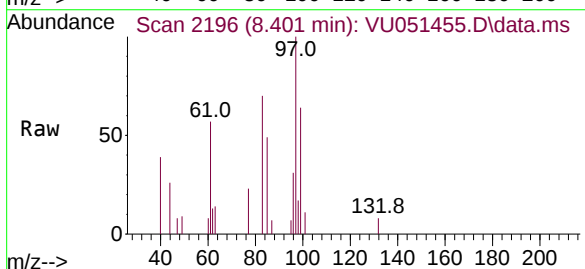
Ion Ratio Lower Upper

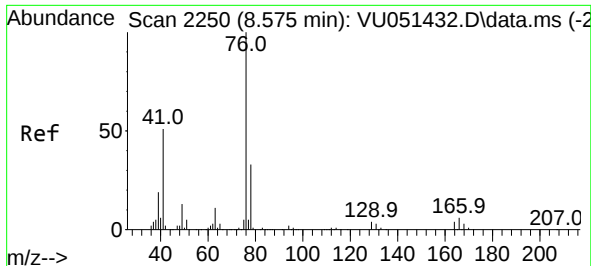
97 100

83 70.2 70.6 105.8

85 49.0 47.0 70.4

99 63.9 49.8 74.8





#53

1,3-Dichloropropane

Concen: 0.194 ug/l

RT: 8.575 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

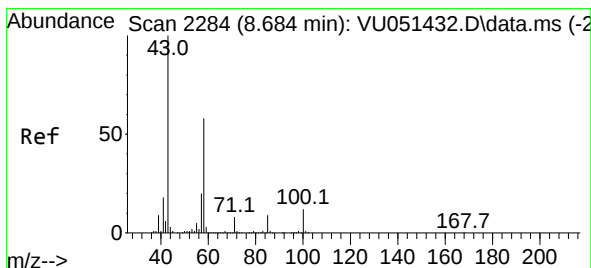
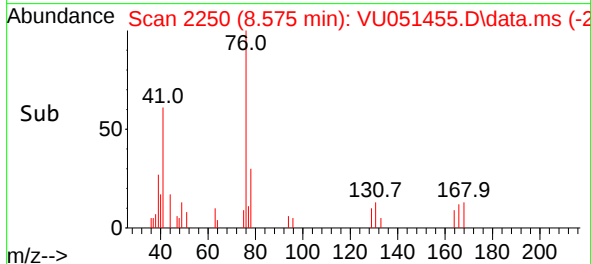
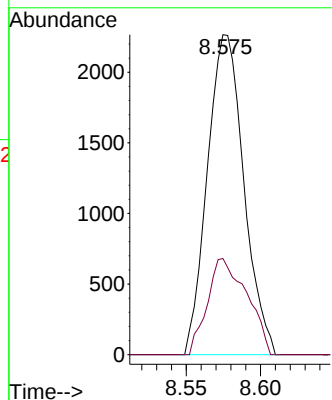
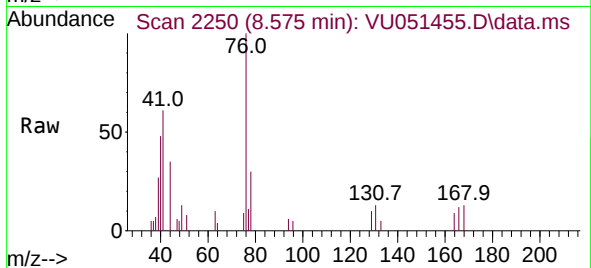
MDL-WATER-03-QT4-2022

Tgt Ion: 76 Resp: 3865

Ion Ratio Lower Upper

76 100

78 32.6 26.4 39.6



#54

2-Hexanone

Concen: 0.879 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. 0.006 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

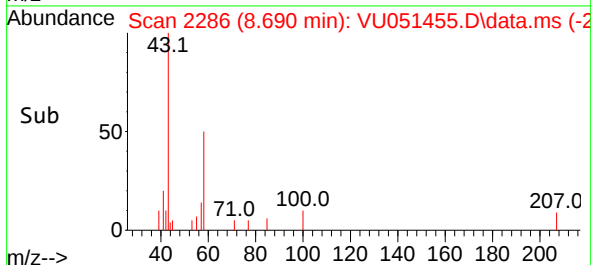
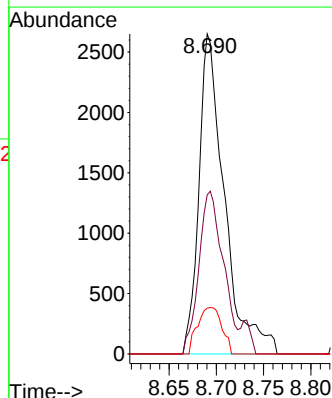
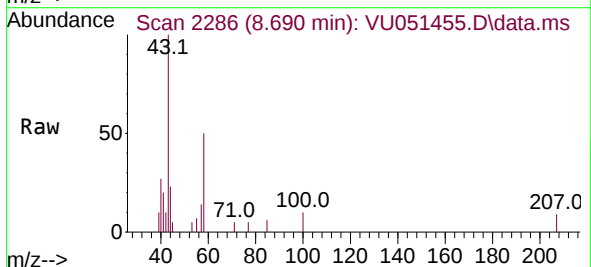
Tgt Ion: 43 Resp: 4976

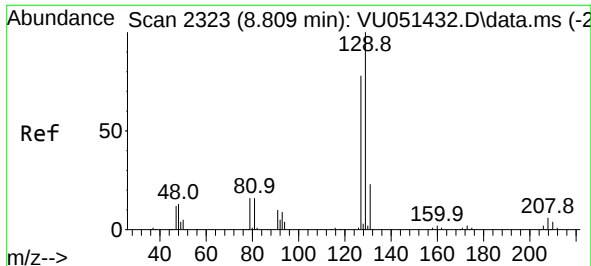
Ion Ratio Lower Upper

43 100

58 48.5 38.0 78.0

57 13.7 0.0 39.9

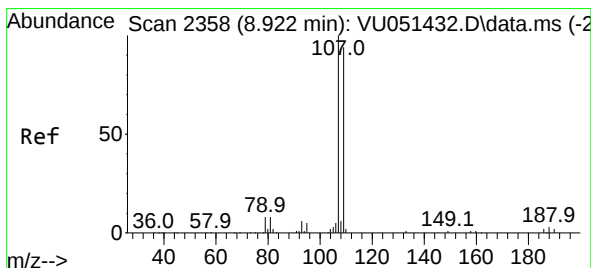
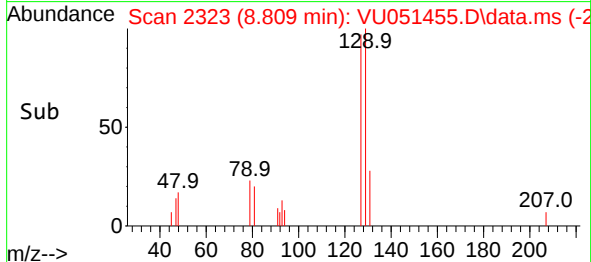
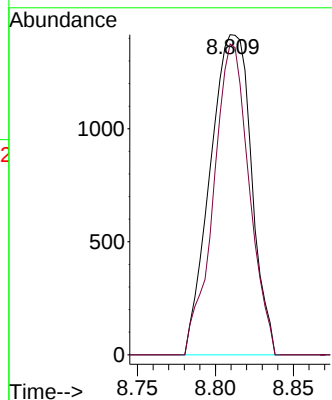
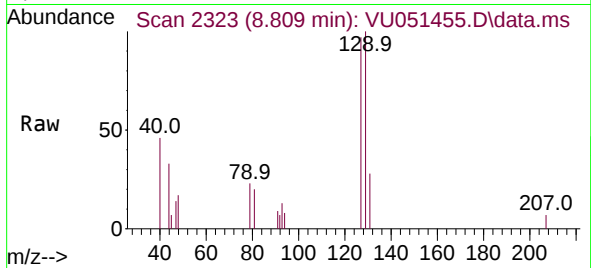




#55
Dibromochloromethane
Concen: 0.194 ug/l
RT: 8.809 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

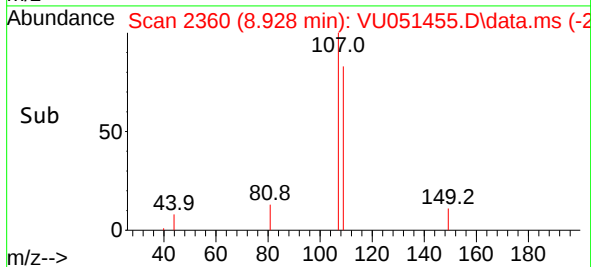
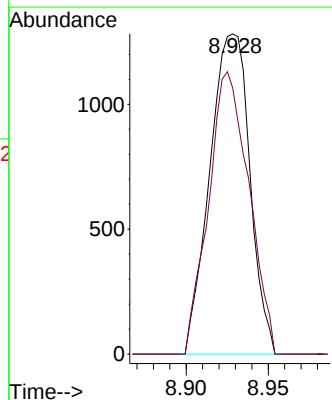
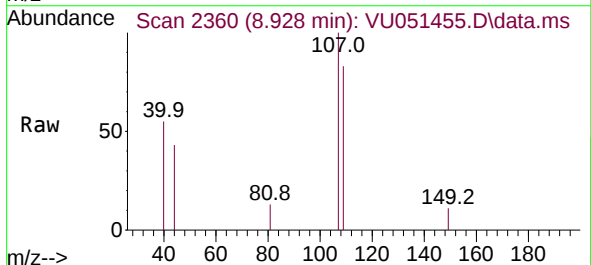
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

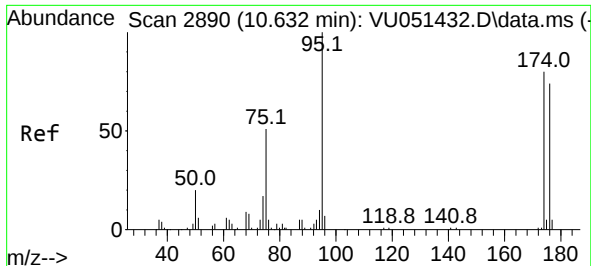
Tgt Ion:129 Resp: 2608
Ion Ratio Lower Upper
129 100
127 84.1 62.1 93.1



#56
1,2-Dibromoethane
Concen: 0.201 ug/l
RT: 8.928 min Scan# 2360
Delta R.T. 0.007 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:107 Resp: 2177
Ion Ratio Lower Upper
107 100
109 88.8 0.0 190.6

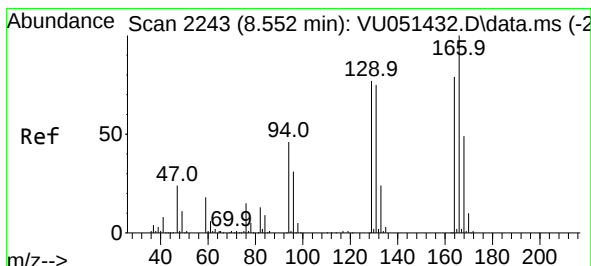
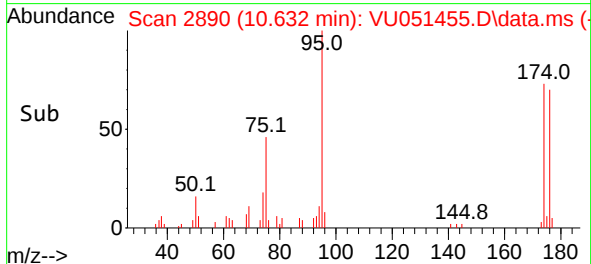
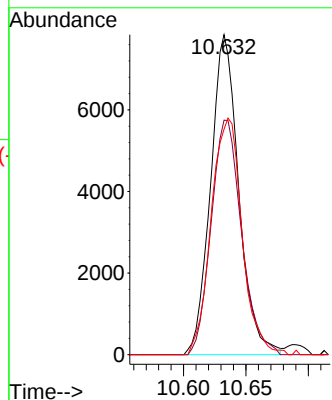
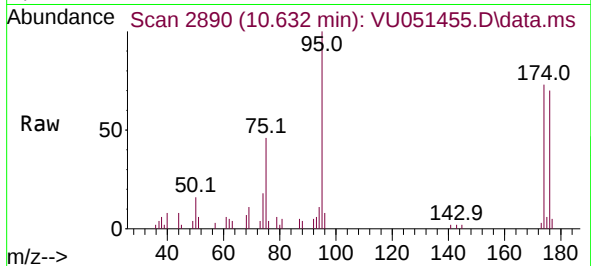




#57
4-Bromofluorobenzene
Concen: 0.761 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

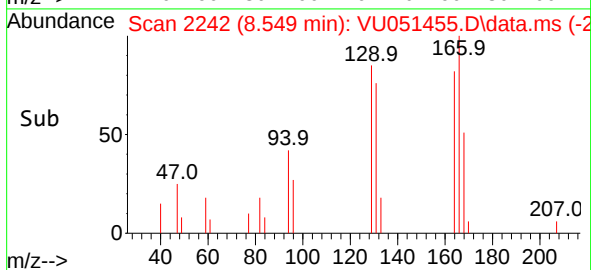
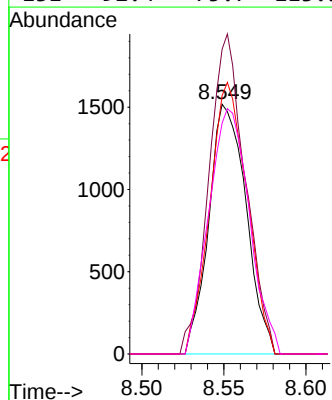
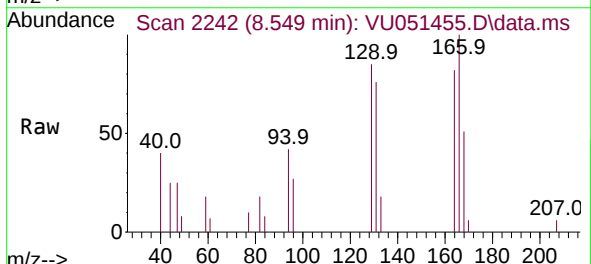
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

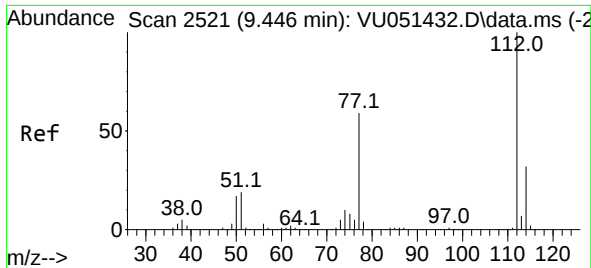
Tgt Ion: 95 Resp: 12327
Ion Ratio Lower Upper
95 100
174 79.0 63.0 94.6
176 81.0 59.8 89.6



#58
Tetrachloroethene
Concen: 0.193 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 164 Resp: 2392
Ion Ratio Lower Upper
164 100
166 122.1 100.9 151.3
129 103.5 77.5 116.3
131 92.4 75.7 113.5





#59

Chlorobenzene

Concen: 0.176 ug/l

RT: 9.449 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

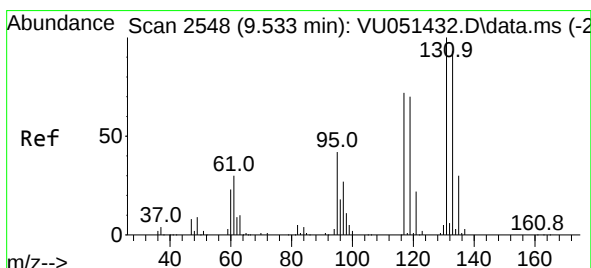
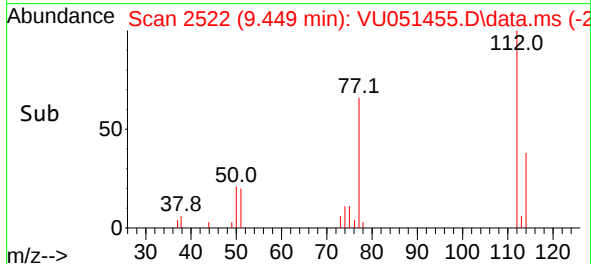
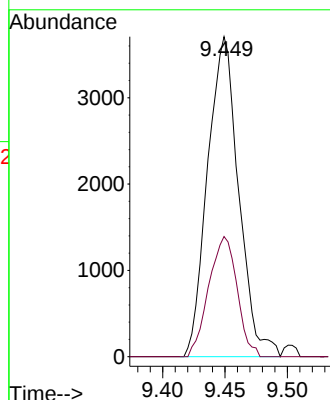
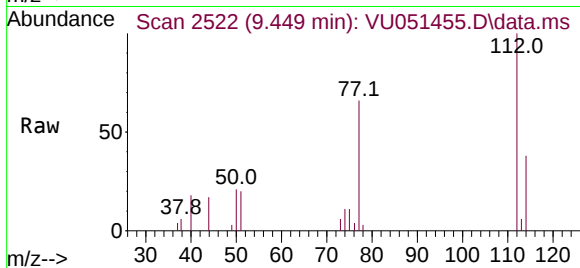
MDL-WATER-03-QT4-2022

Tgt Ion:112 Resp: 6436

Ion Ratio Lower Upper

112 100

114 37.5 25.8 38.6



#60

1,1,1,2-Tetrachloroethane

Concen: 0.194 ug/l

RT: 9.533 min Scan# 2548

Delta R.T. 0.000 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

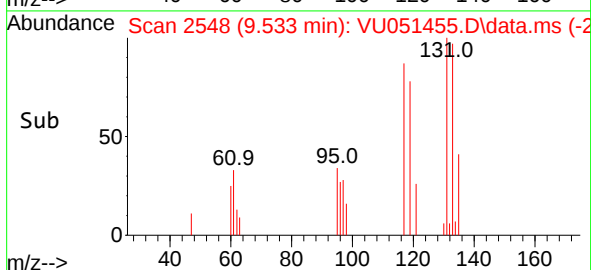
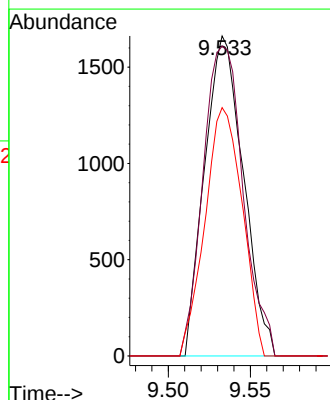
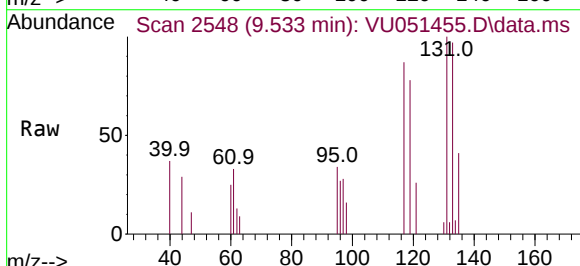
Tgt Ion:131 Resp: 2718

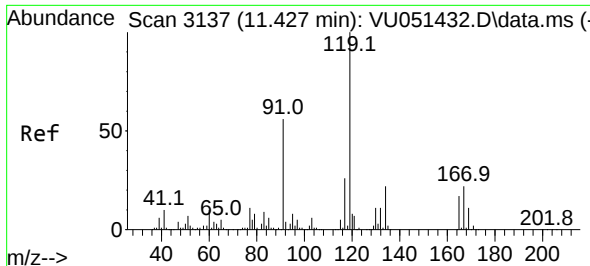
Ion Ratio Lower Upper

131 100

133 100.6 76.5 114.7

119 74.9 56.5 84.7

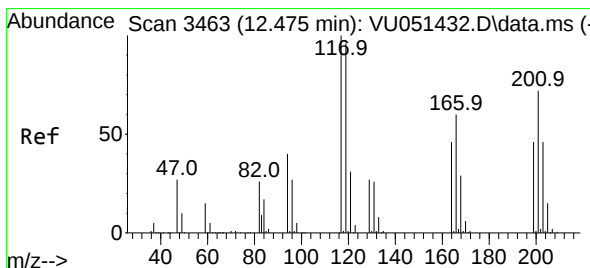
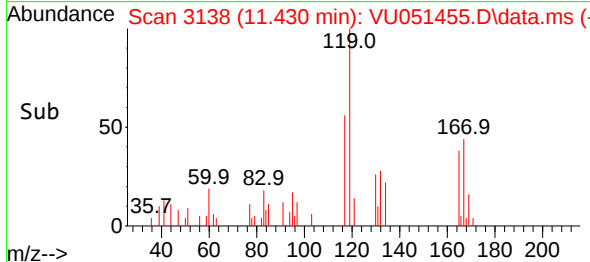
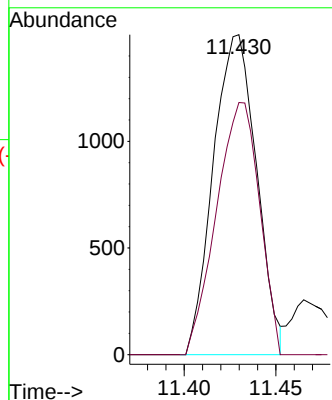
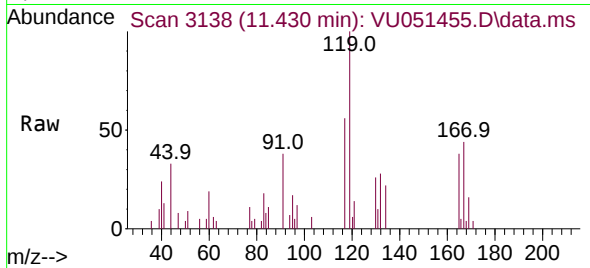




#61
 Pentachloroethane
 Concen: 0.197 ug/l
 RT: 11.430 min Scan# 3137
 Delta R.T. 0.003 min
 Lab File: VU051455.D
 Acq: 19 Oct 2022 13:50

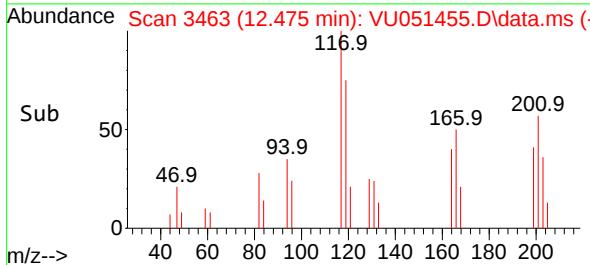
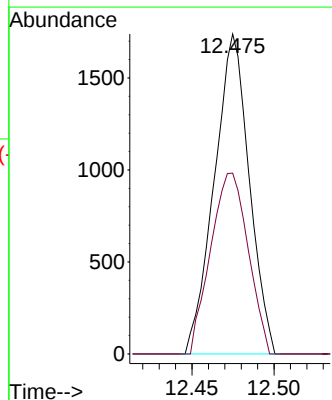
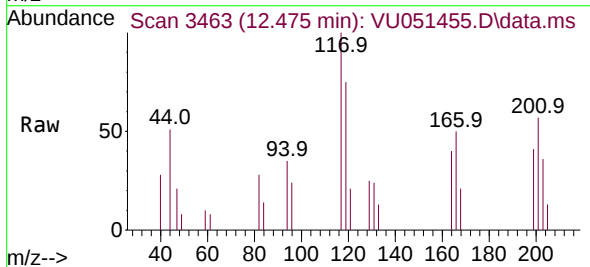
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2022

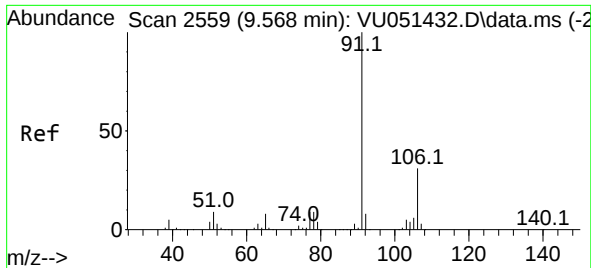
Tgt Ion:117 Resp: 2458
 Ion Ratio Lower Upper
 117 100
 167 78.6 63.3 94.9



#62
 Hexachloroethane
 Concen: 0.217 ug/l
 RT: 12.475 min Scan# 3463
 Delta R.T. 0.000 min
 Lab File: VU051455.D
 Acq: 19 Oct 2022 13:50

Tgt Ion:117 Resp: 2568
 Ion Ratio Lower Upper
 117 100
 201 60.7 57.4 86.2

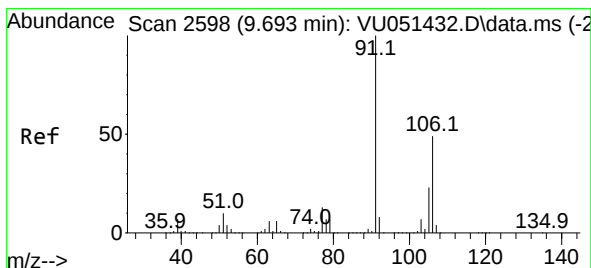
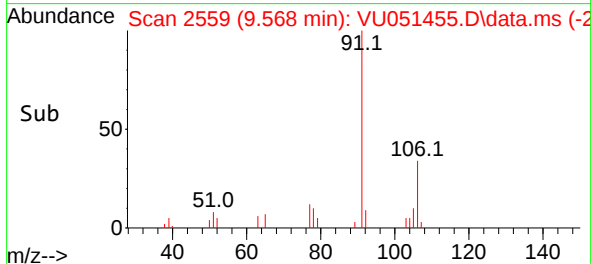
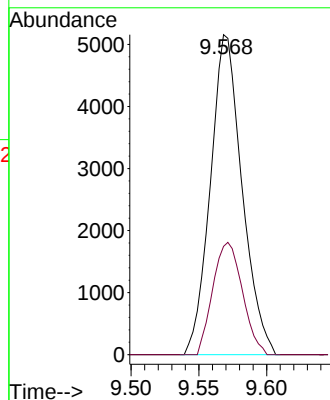
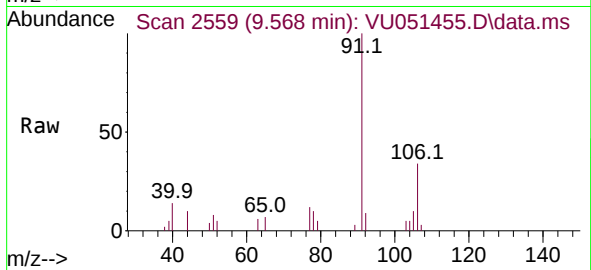




#63
Ethyl Benzene
Concen: 0.151 ug/l
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

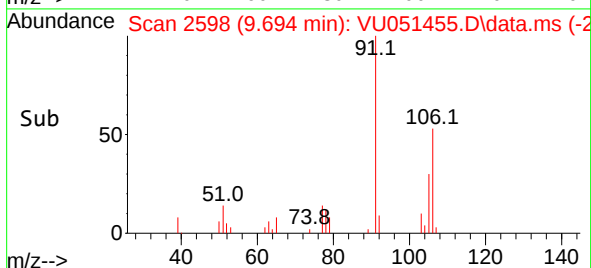
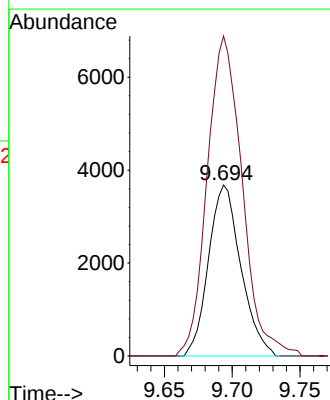
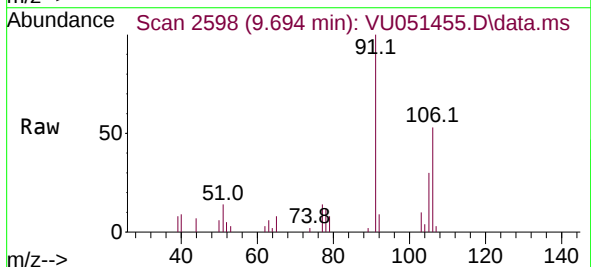
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT4-2022

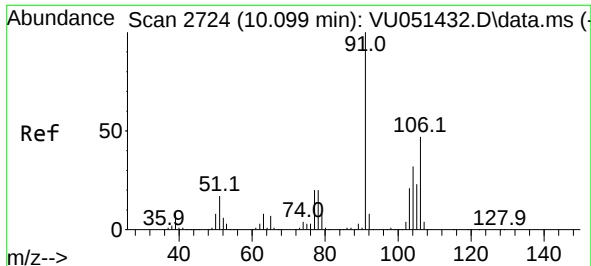
Tgt Ion: 91 Resp: 8374
Ion Ratio Lower Upper
91 100
106 33.9 24.9 37.3



#64
m/p-Xylenes
Concen: 0.277 ug/l
RT: 9.694 min Scan# 2598
Delta R.T. 0.001 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 106 Resp: 6108
Ion Ratio Lower Upper
106 100
91 202.3 163.2 244.8

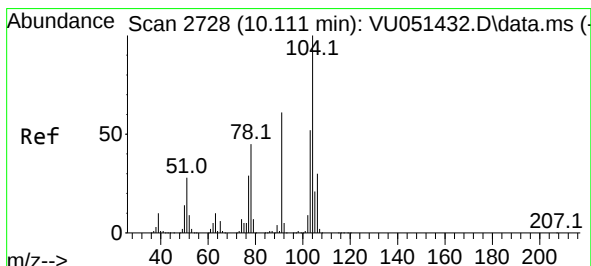
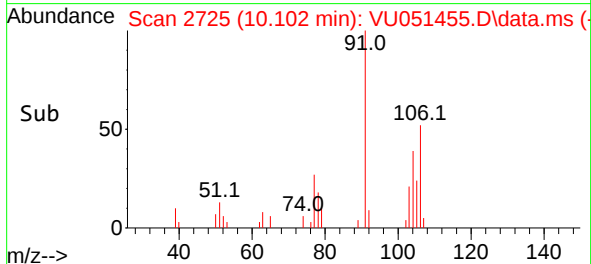
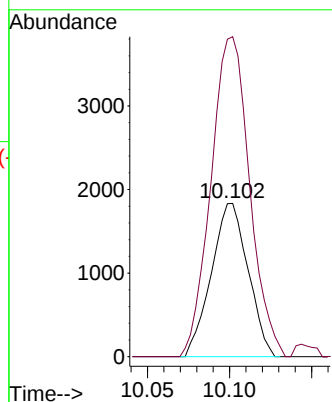
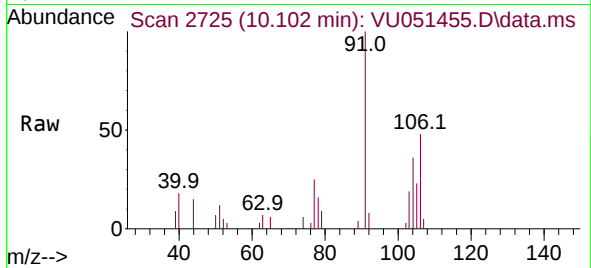




#65
o-Xylene
Concen: 0.133 ug/l
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

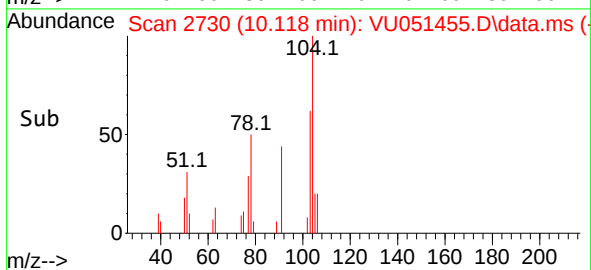
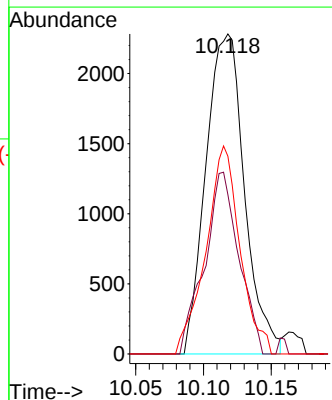
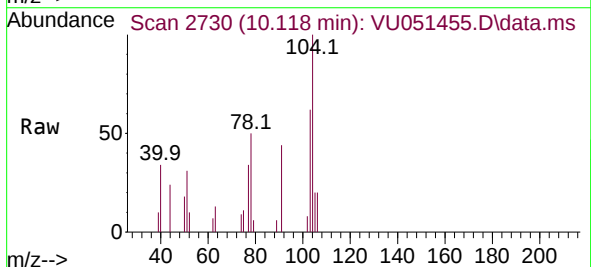
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

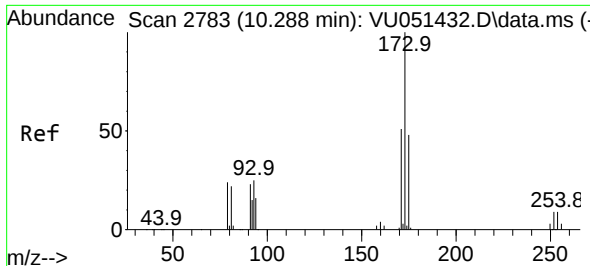
Tgt Ion:106 Resp: 2848
Ion Ratio Lower Upper
106 100
91 220.1 107.1 321.3



#66
Styrene
Concen: 0.127 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. 0.007 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:104 Resp: 4517
Ion Ratio Lower Upper
104 100
78 50.7 39.7 59.5
103 57.3 44.4 66.6

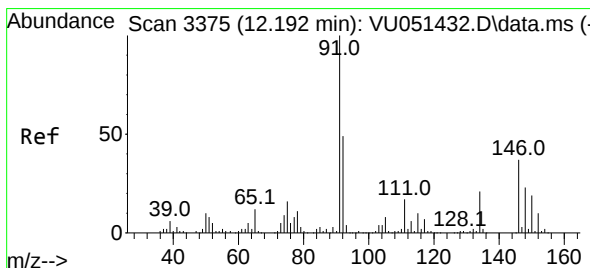
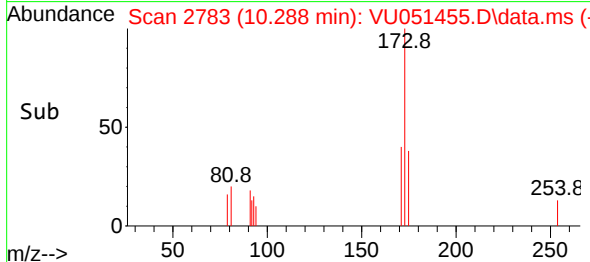
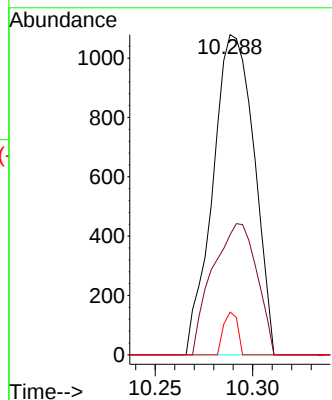
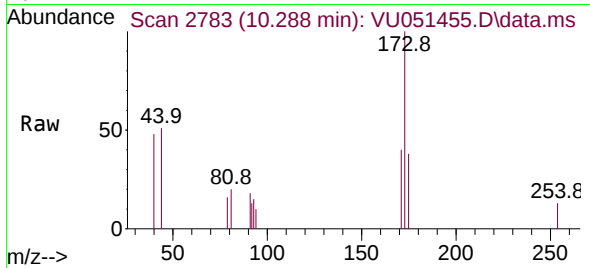




#67
Bromoform
Concen: 0.211 ug/l
RT: 10.288 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

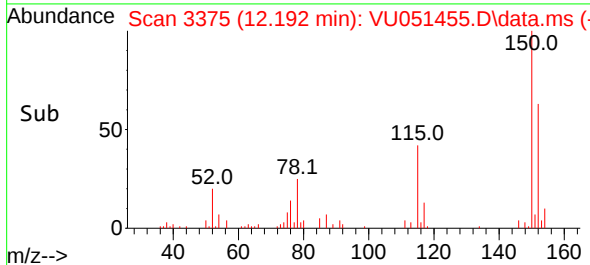
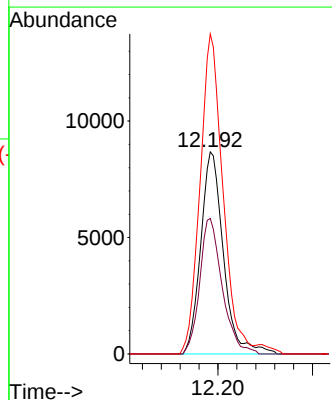
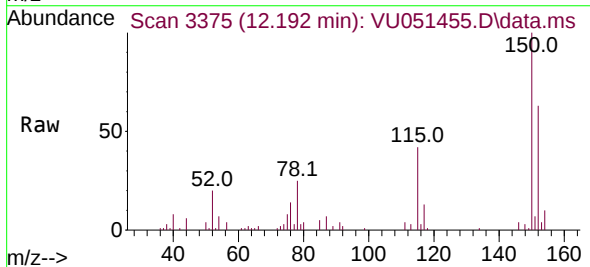
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

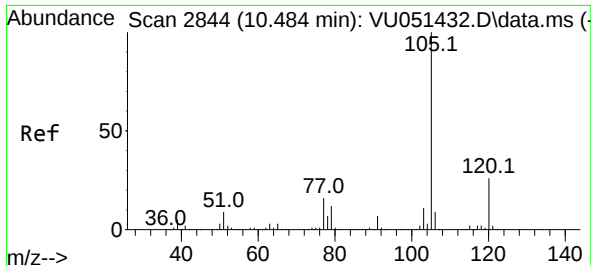
Tgt Ion:173 Resp: 1590
Ion Ratio Lower Upper
173 100
175 43.9 38.6 58.0
254 4.5 7.3 10.9#



#68
1,2-Dichlorobenzene-d4
Concen: 0.801 ug/l
RT: 12.192 min Scan# 3375
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:152 Resp: 14493
Ion Ratio Lower Upper
152 100
115 66.2 0.0 333.0
150 157.9 0.0 662.0





#69

Isopropylbenzene

Concen: 0.135 ug/l

RT: 10.485 min Scan# 2844

Delta R.T. 0.001 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

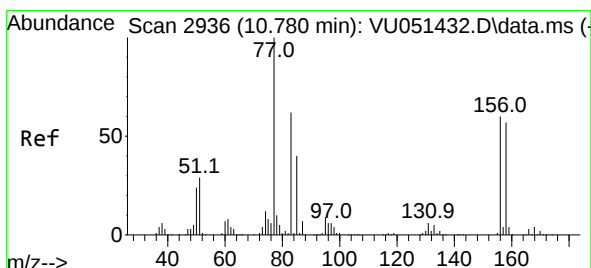
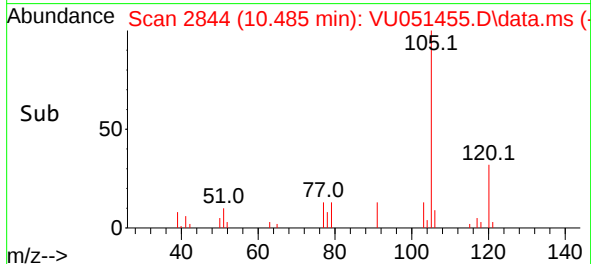
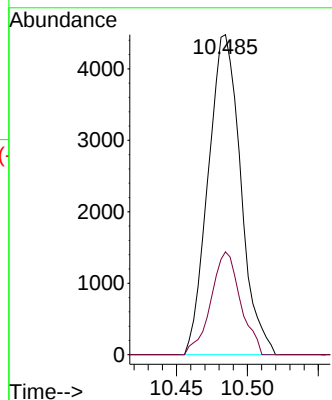
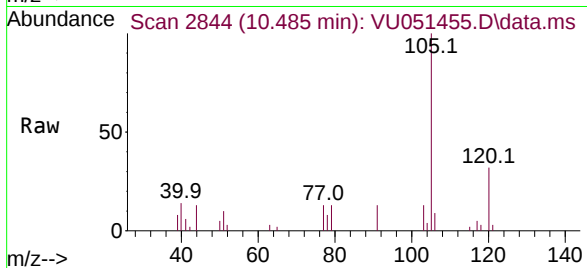
MDL-WATER-03-QT4-2022

Tgt Ion:105 Resp: 7134

Ion Ratio Lower Upper

105 100

120 29.3 13.0 39.0



#70

1,1,2,2-Tetrachloroethane

Concen: 0.220 ug/l

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

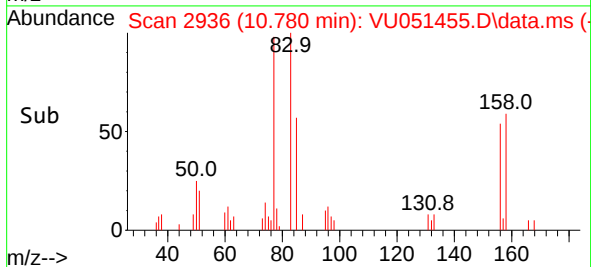
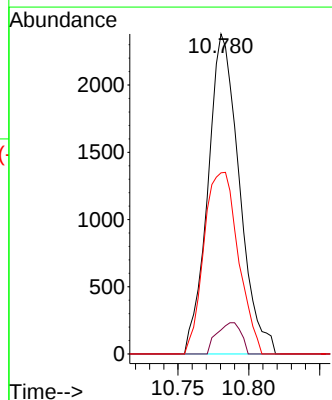
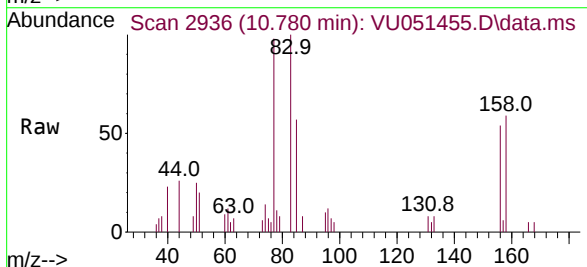
Tgt Ion: 83 Resp: 3675

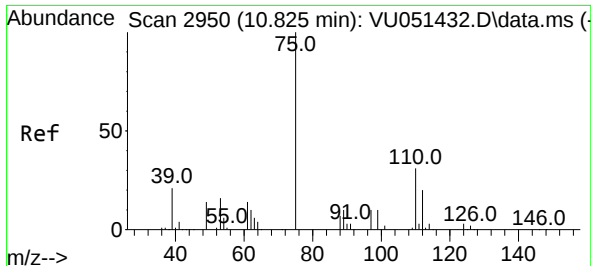
Ion Ratio Lower Upper

83 100

131 7.5 7.2 10.8

85 62.0 51.4 77.2

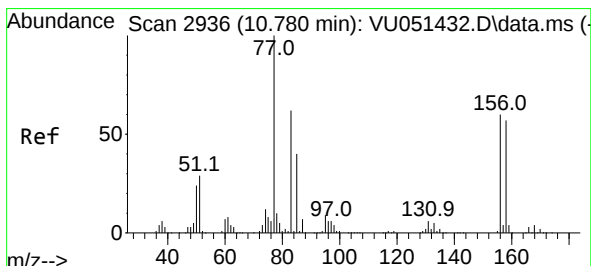
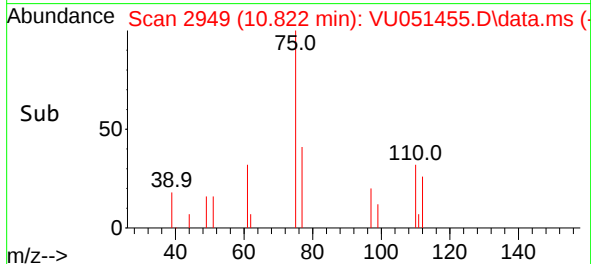
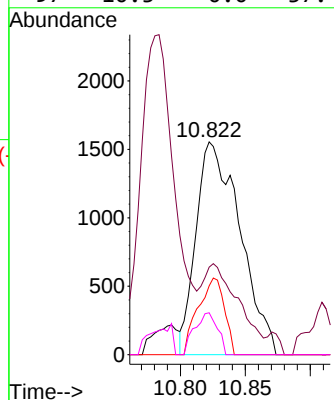
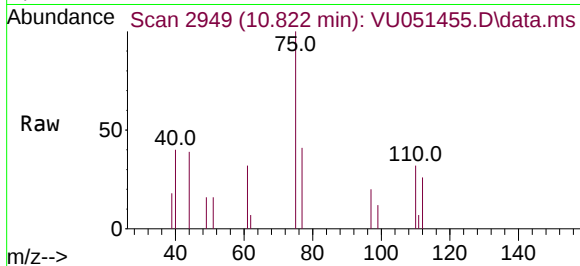




#71
1,2,3-Trichloropropane
Concen: 0.295 ug/l
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

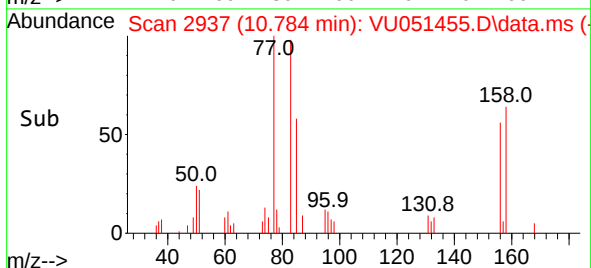
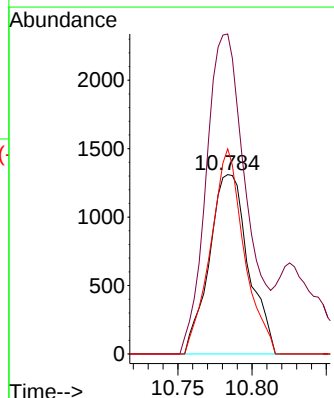
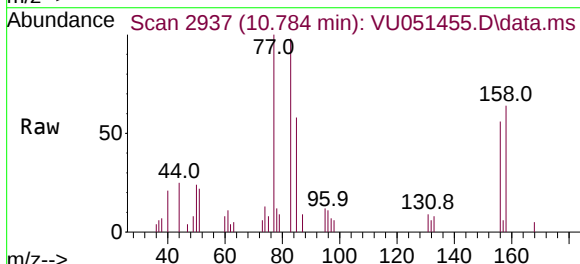
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

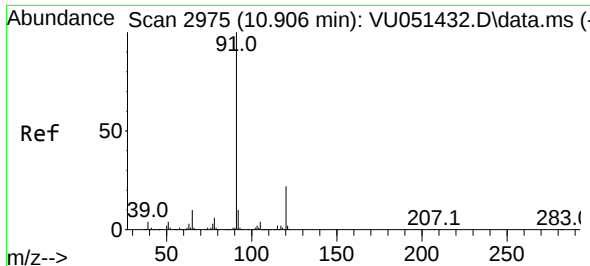
Tgt Ion:	75	Resp:	3657
Ion	Ratio	Lower	Upper
75	100		
77	25.2	0.0	111.0
110	21.5	0.0	70.2
97	10.3	0.0	37.4



#72
Bromobenzene
Concen: 0.165 ug/l
RT: 10.784 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:	156	Resp:	2397
Ion	Ratio	Lower	Upper
156	100		
77	182.1	0.0	343.4
158	98.0	0.0	195.6

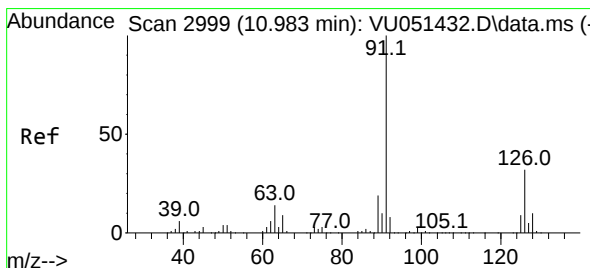
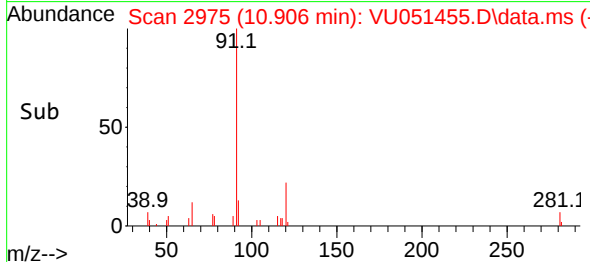
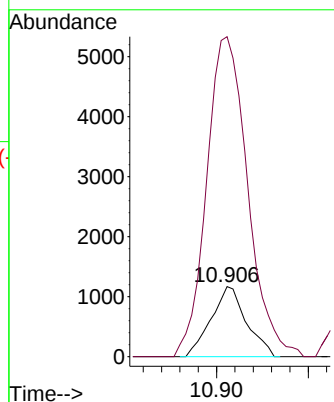
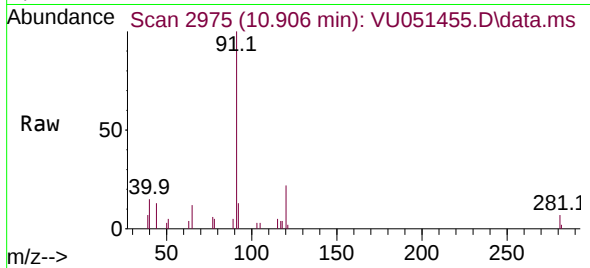




#73
n-propylbenzene
Concen: 0.105 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. -0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

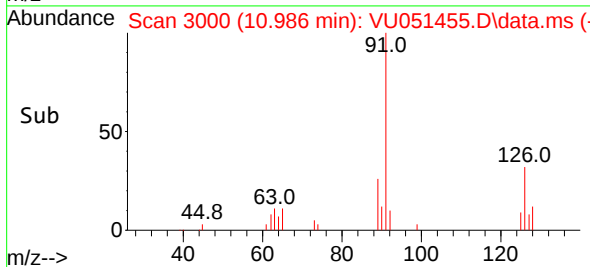
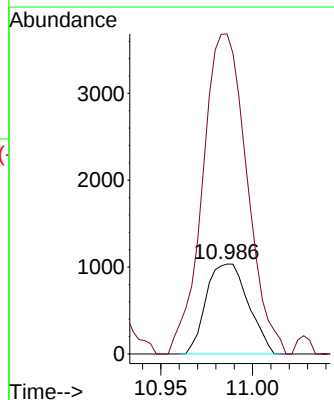
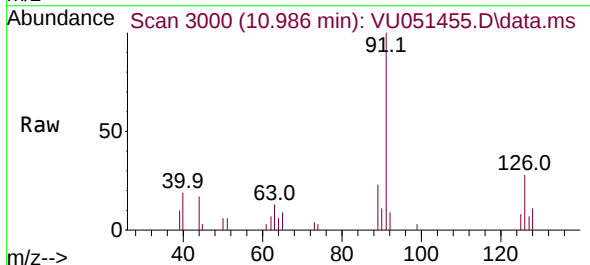
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

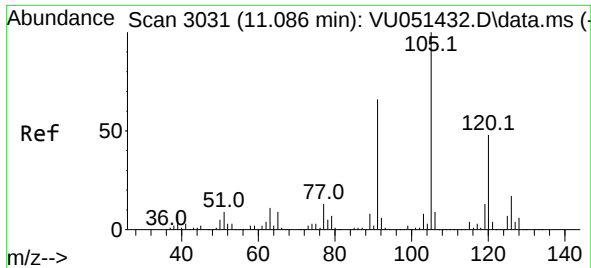
Tgt Ion:	120	Resp:	1558
Ion	Ratio	Lower	Upper
120	100		
91	532.3	362.3	543.5



#74
2-Chlorotoluene
Concen: 0.117 ug/l
RT: 10.986 min Scan# 3000
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:	126	Resp:	1649
Ion	Ratio	Lower	Upper
126	100		
91	374.9	0.0	623.2

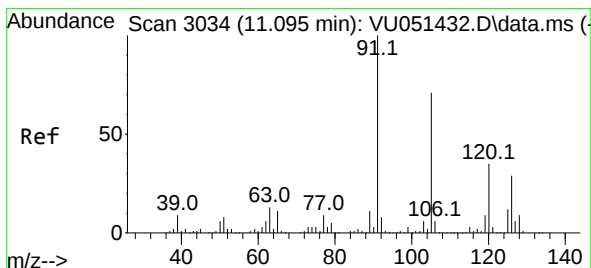
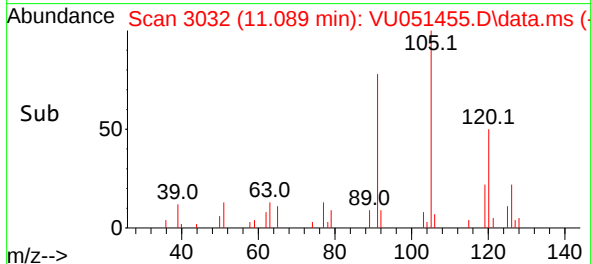
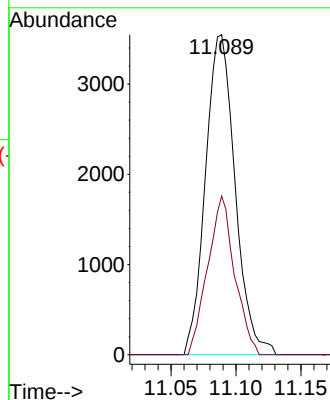
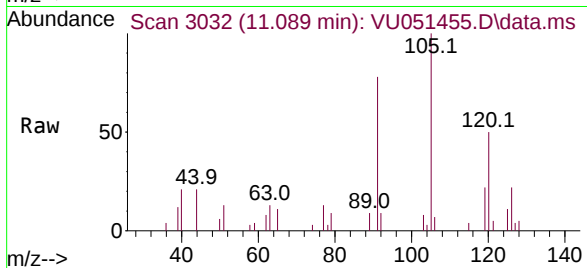




#75
1,3,5-Trimethylbenzene
Concen: 0.117 ug/l
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

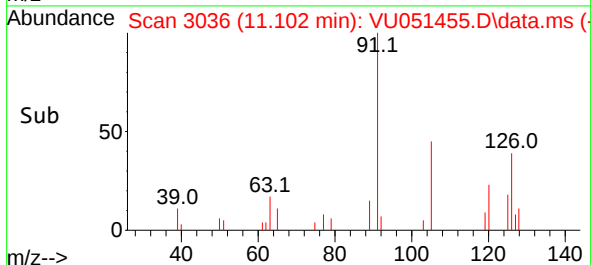
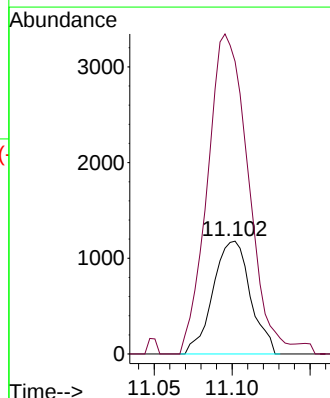
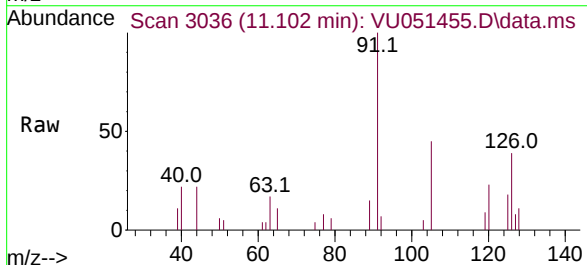
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

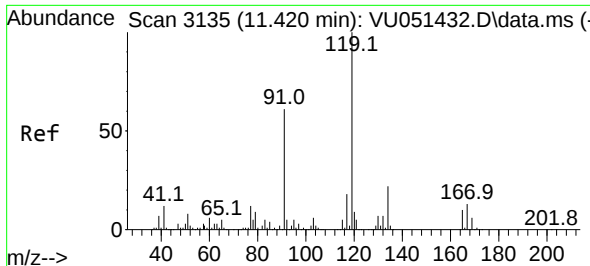
Tgt Ion:105 Resp: 5633
Ion Ratio Lower Upper
105 100
120 45.0 38.2 57.4



#76
4-Chlorotoluene
Concen: 0.136 ug/l
RT: 11.102 min Scan# 3036
Delta R.T. 0.007 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:126 Resp: 1968
Ion Ratio Lower Upper
126 100
91 309.3 0.0 717.6

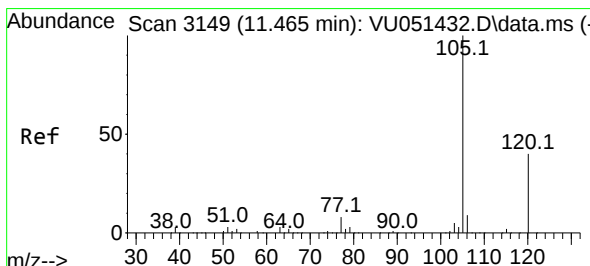
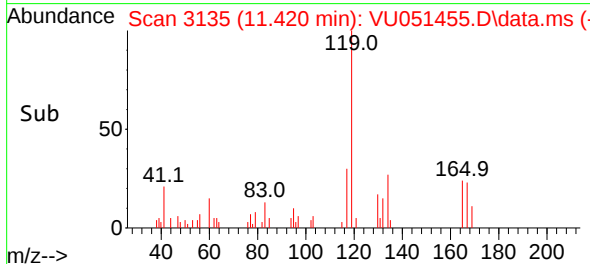
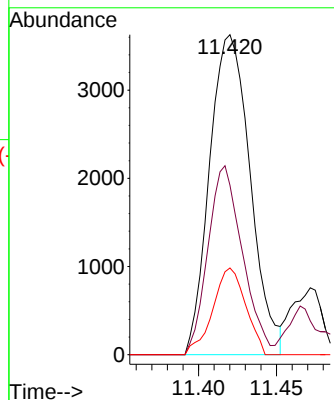
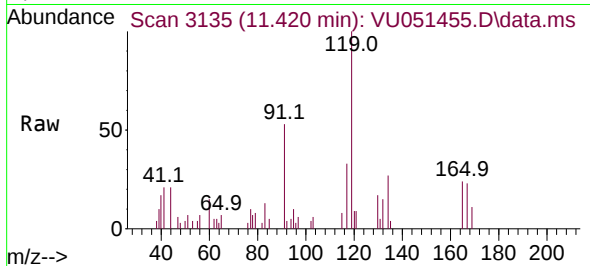




#77
tert-Butylbenzene
Concen: 0.141 ug/l
RT: 11.420 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

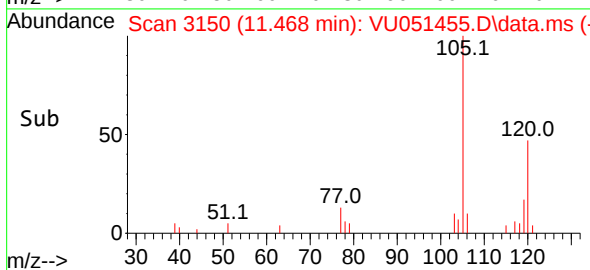
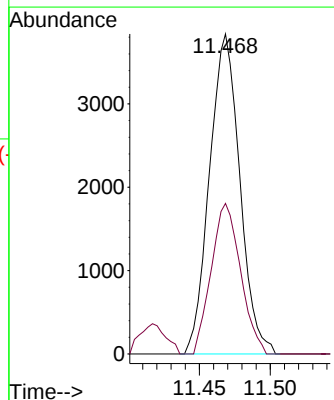
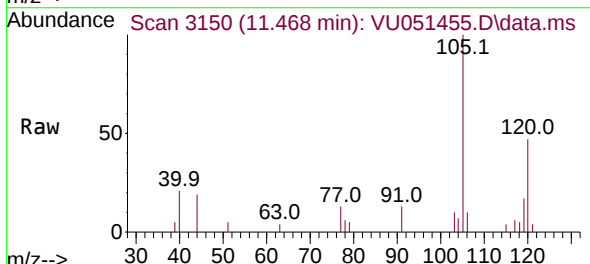
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

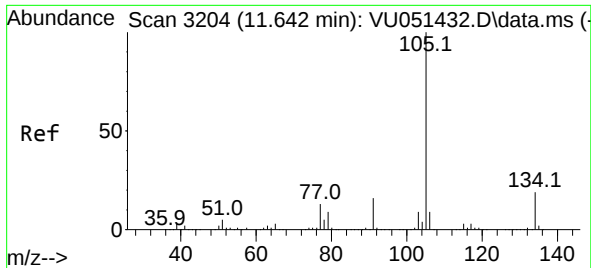
Tgt Ion:	119	Resp:	6588
Ion Ratio	Lower	Upper	
119	100		
91	50.0	29.8	89.5
134	22.0	17.9	26.9



#78
1,2,4-Trimethylbenzene
Concen: 0.114 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:	105	Resp:	5707
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.1	66.3

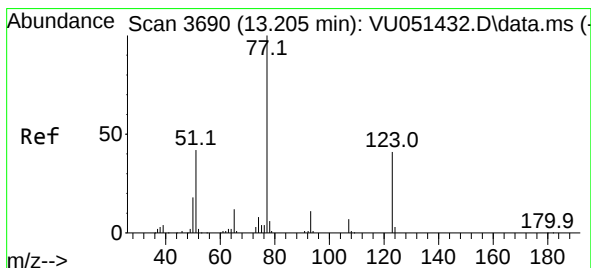
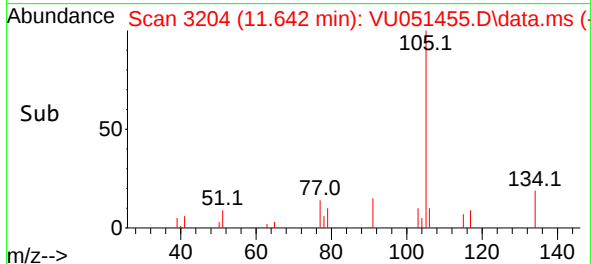
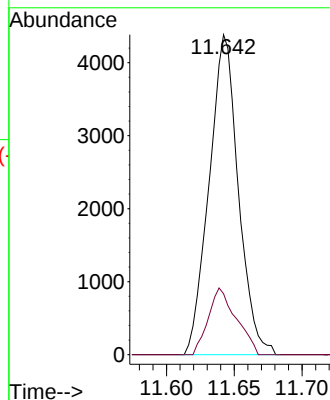
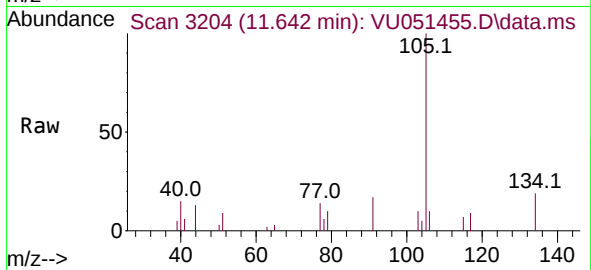




#79
 sec-Butylbenzene
 Concen: 0.106 ug/l
 RT: 11.642 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU051455.D
 Acq: 19 Oct 2022 13:50

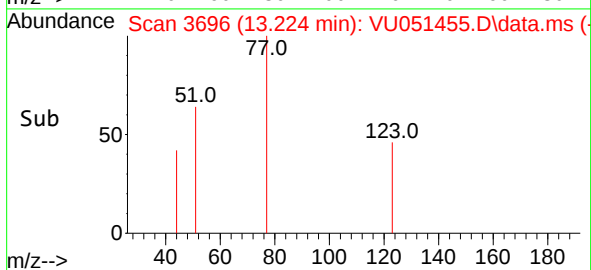
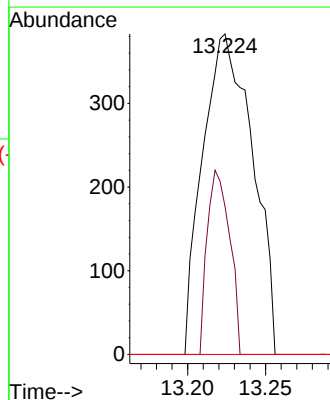
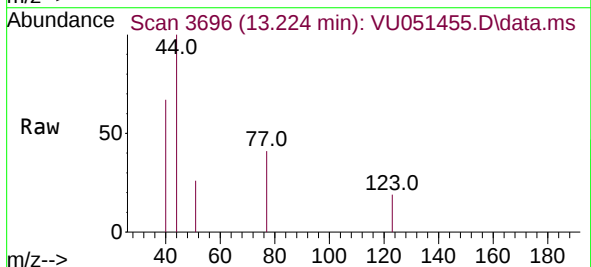
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2022

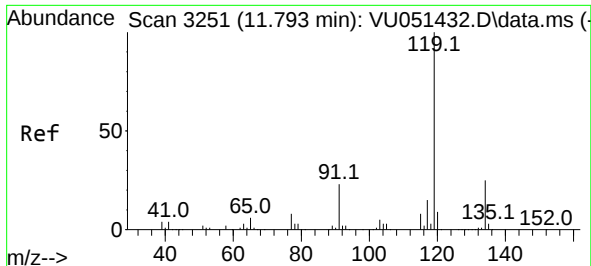
Tgt Ion:105 Resp: 6574
 Ion Ratio Lower Upper
 105 100
 134 19.9 15.2 22.8



#80
 Nitrobenzene
 Concen: 1.031 ug/l
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.019 min
 Lab File: VU051455.D
 Acq: 19 Oct 2022 13:50

Tgt Ion: 77 Resp: 852
 Ion Ratio Lower Upper
 77 100
 123 25.8 17.5 62.1
 65 0.0 11.1 14.1#

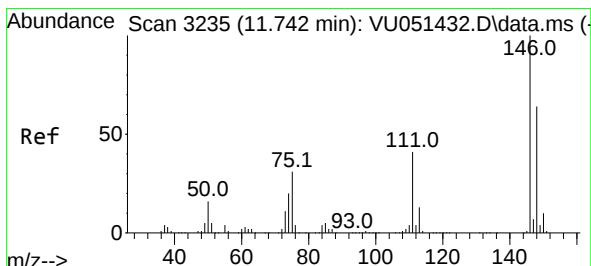
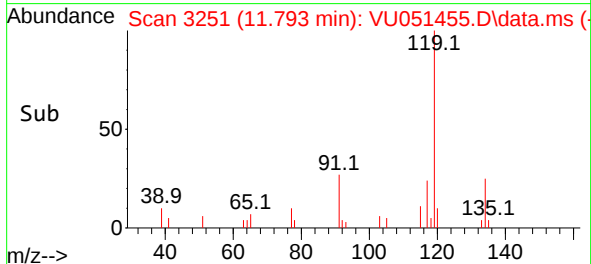
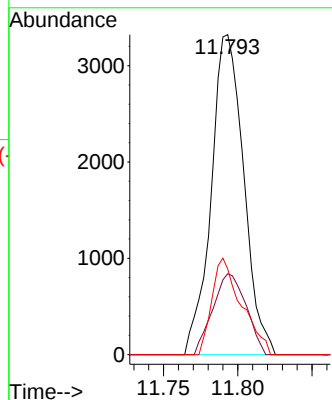
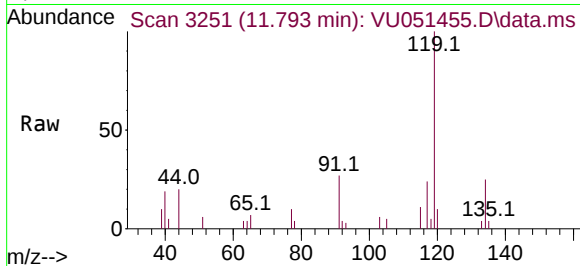




#81
p-Isopropyltoluene
Concen: 0.102 ug/l
RT: 11.793 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

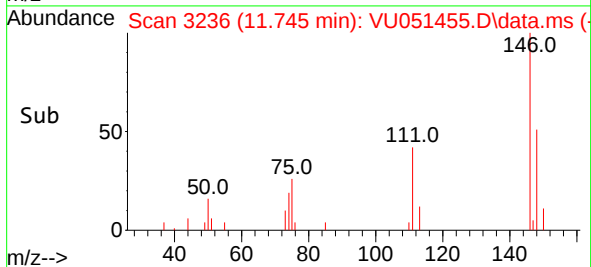
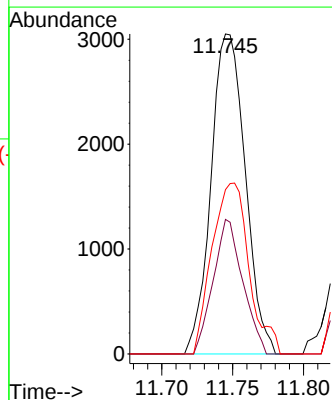
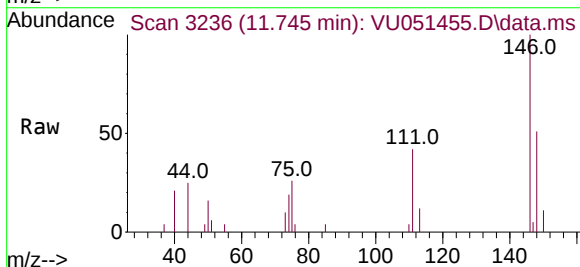
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

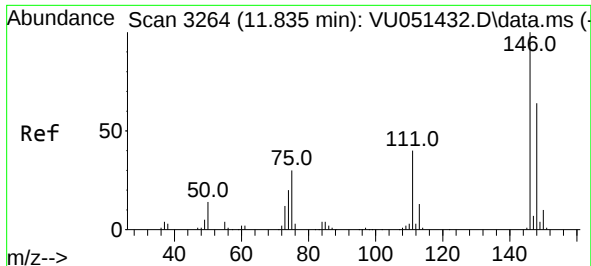
Tgt Ion:119 Resp: 5054
Ion Ratio Lower Upper
119 100
134 25.9 20.3 30.5
91 27.5 18.6 27.8



#82
1,3-Dichlorobenzene
Concen: 0.164 ug/l
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:146 Resp: 5128
Ion Ratio Lower Upper
146 100
111 36.2 33.4 50.0
148 57.7 51.0 76.6

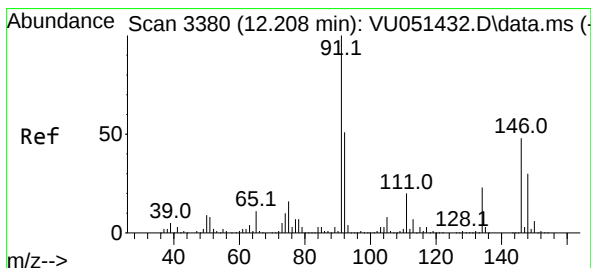
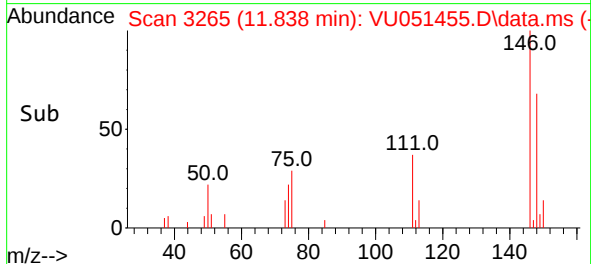
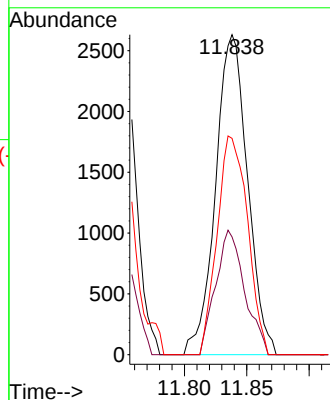
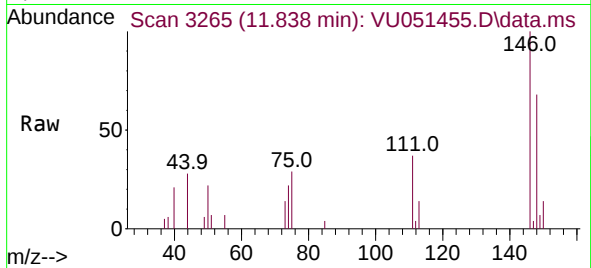




#83
1,4-Dichlorobenzene
Concen: 0.154 ug/l
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

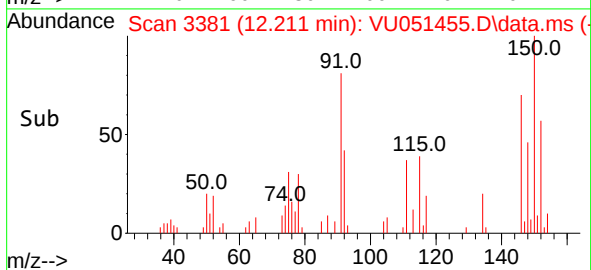
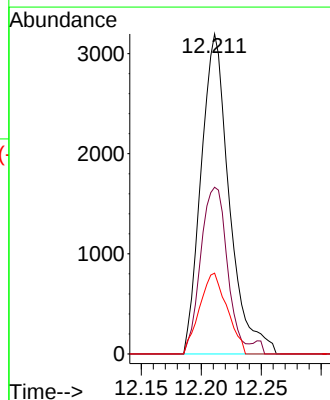
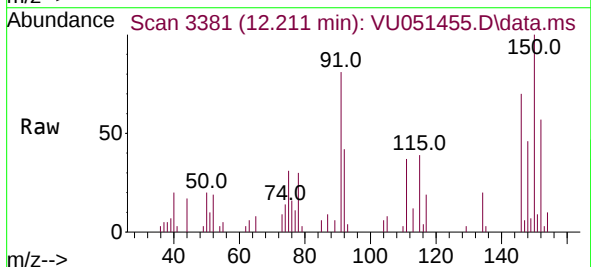
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

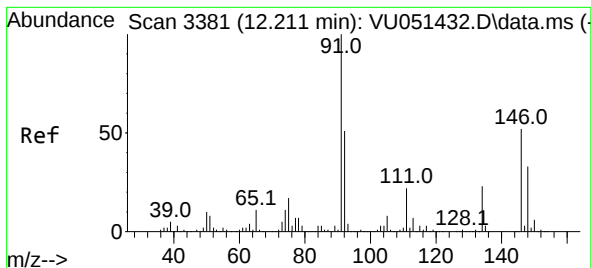
Tgt Ion:146 Resp: 4697
Ion Ratio Lower Upper
146 100
111 35.3 31.6 47.4
148 65.0 50.5 75.7



#84
n-Butylbenzene
Concen: 0.106 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion: 91 Resp: 5218
Ion Ratio Lower Upper
91 100
92 49.4 40.6 61.0
134 24.7 18.3 27.5





#85

1,2-Dichlorobenzene

Concen: 0.165 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

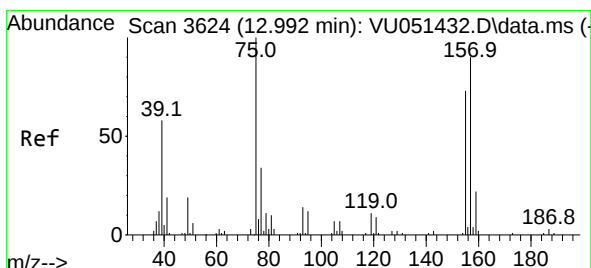
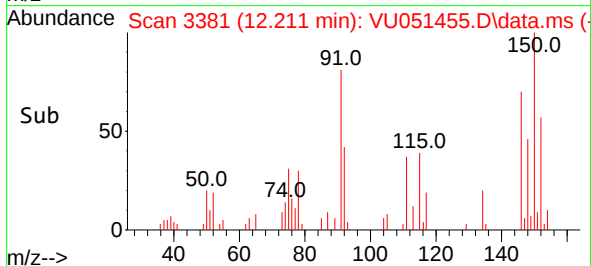
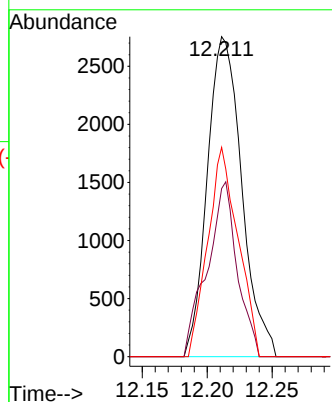
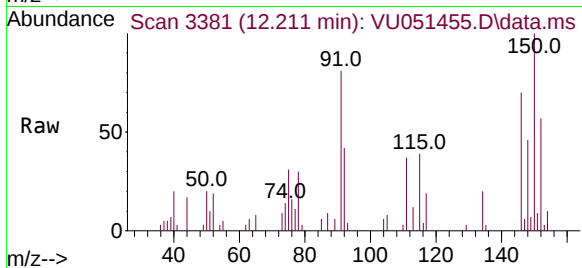
Tgt Ion:146 Resp: 5080

Ion Ratio Lower Upper

146 100

111 47.6 21.3 63.9

148 57.5 31.8 95.4



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.169 ug/l

RT: 12.999 min Scan# 3626

Delta R.T. 0.007 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

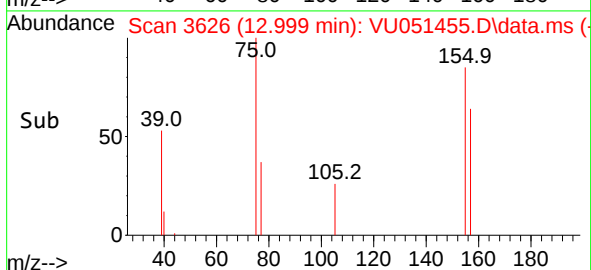
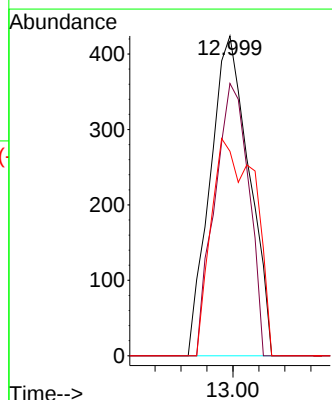
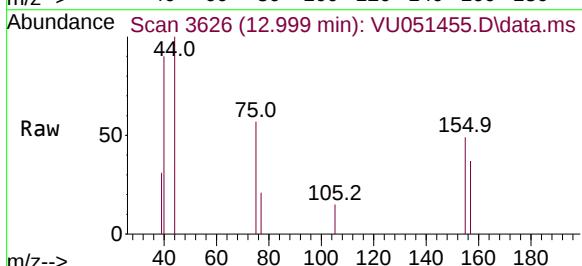
Tgt Ion: 75 Resp: 442

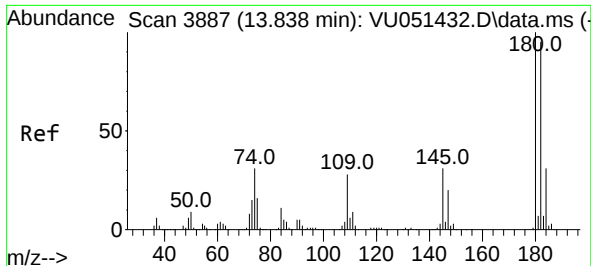
Ion Ratio Lower Upper

75 100

155 74.4 58.5 87.7

157 76.0 75.3 112.9

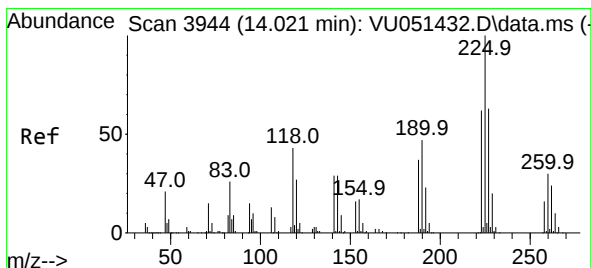
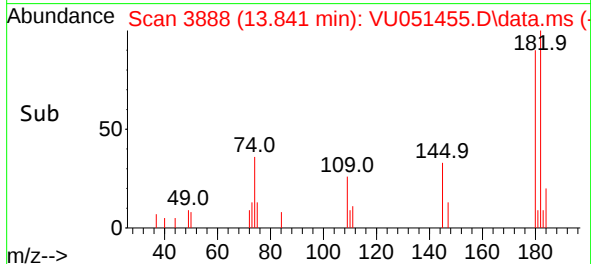
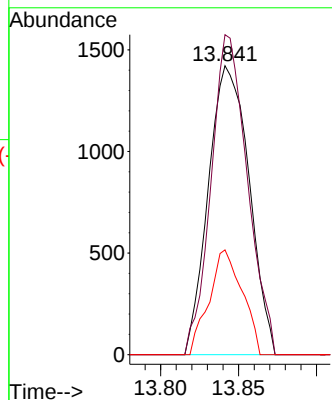
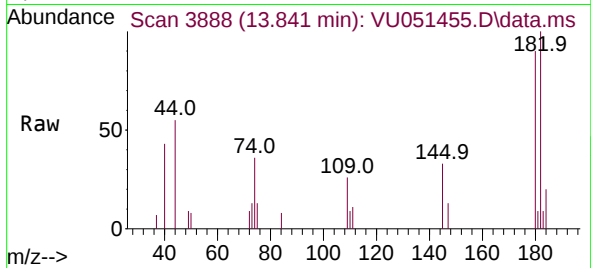




#87
1,2,4-Trichlorobenzene
Concen: 0.155 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

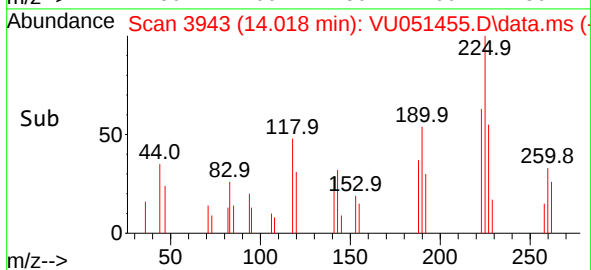
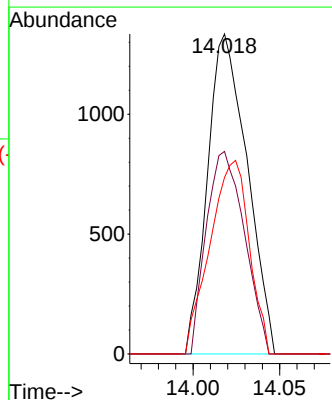
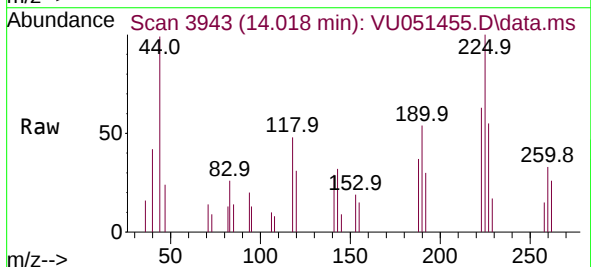
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

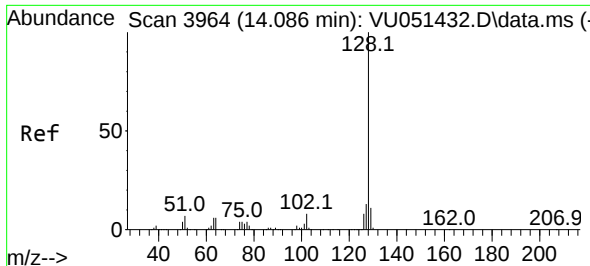
Tgt Ion:180 Resp: 2581
Ion Ratio Lower Upper
180 100
182 98.8 75.9 113.9
145 29.6 24.9 37.3



#88
Hexachlorobutadiene
Concen: 0.195 ug/l
RT: 14.018 min Scan# 3943
Delta R.T. -0.003 min
Lab File: VU051455.D
Acq: 19 Oct 2022 13:50

Tgt Ion:225 Resp: 2123
Ion Ratio Lower Upper
225 100
223 61.0 50.1 75.1
227 59.9 51.4 77.2





#89
Naphthalene

Concen: 0.130 ug/l

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

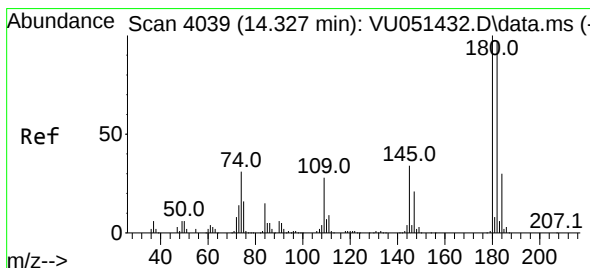
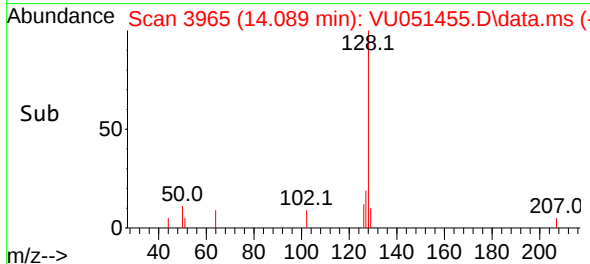
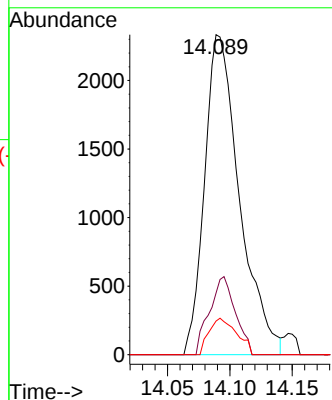
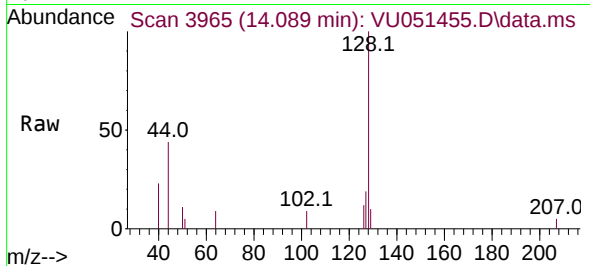
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

Tgt Ion:128	Resp:	4543
Ion Ratio	Lower	Upper
128	100	
127	18.1	10.7 16.1#
129	9.1	8.4 12.6



#90

1,2,3-Trichlorobenzene

Concen: 0.145 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.007 min

Lab File: VU051455.D

Acq: 19 Oct 2022 13:50

Tgt Ion:180	Resp:	2639
Ion Ratio	Lower	Upper
180	100	
182	110.2	75.8 113.6
145	32.2	26.6 39.8

