

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082522\
 Data File : VU050444.D
 Acq On : 25 Aug 2022 14:44
 Operator : SY/MD
 Sample : N3734-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2022

Quant Time: Aug 26 06:36:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Aug 25 14:01:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.105	96	38890	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	8045	0.608	ug/l	0.00
Spiked Amount 1.000			Recovery	=	61.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	11419	0.730	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	418	0.021	ug/l	# 51
5) Bromomethane	1.858	94	108	0.016	ug/l	# 4
6) Chloroethane	1.935	64	66	0.007	ug/l	# 42
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	158325	13.550	ug/l	96
9) 1,1-Dichloroethene	2.578	96	543	0.047	ug/l	39
12) Acrylonitrile	3.372	53	12992	3.782	ug/l	# 35
13) Acetone	2.633	43	1839	0.765	ug/l	# 88
14) Carbon Disulfide	2.793	76	1222	0.034	ug/l	# 49
15) Methylene Chloride	3.044	84	50943	3.287	ug/l	90
17) 1,1-Dichloroethane	3.861	63	112	0.005	ug/l	# 83
18) 2-Butanone	4.517	43	50343	13.322	ug/l	# 1
19) Cyclohexane	5.369	56	306	0.017	ug/l	# 19
21) 2,2-Dichloropropane	4.633	77	92	0.005	ug/l	# 52
22) cis-1,2-Dichloroethene	4.671	96	66	0.005	ug/l	# 1
23) Diethyl Ether	2.372	59	253	0.026	ug/l	# 1
24) tert-Butyl Alcohol	3.199	59	78140	62.750	ug/l	# 1
25) Methyl tert-Butyl Ether	3.372	73	1082662	35.584	ug/l	95
27) Chloroform	5.092	83	375	0.016	ug/l	17
29) 1,1-Dichloropropene	5.485	75	1159	0.071	ug/l	# 45
31) Isopropyl Ether	4.006	45	1698904	44.410	ug/l	98
32) Ethyl-t-butyl ether	4.517	59	500208	16.644	ug/l	99
33) Tert-Amyl methyl ether	5.951	73	818924	41.800	ug/l	98
35) Benzene	5.764	78	1050	0.022	ug/l	92
36) 1,2-Dichloroethane	5.793	62	318	0.022	ug/l	# 75
37) Trichloroethene	6.536	130	89	0.008	ug/l	# 78
41) Tetrahydrofuran	5.070	42	210	0.092	ug/l	# 31
42) 1-Chlorobutane	5.369	56	306	0.013	ug/l	# 25
45) 4-Methyl-2-Pentanone	7.816	43	698	0.100	ug/l	# 63
46) t-1,4-Dichloro-2-butene	10.909	75	5046	1.704	ug/l	# 1
49) Toluene	7.960	92	557	0.022	ug/l	# 54
50) t-1,3-Dichloropropene	8.211	75	41	0.003	ug/l	# 44
51) cis-1,3-Dichloropropene	7.607	75	43	0.003	ug/l	# 37
53) 1,3-Dichloropropane	8.571	76	41	0.003	ug/l	# 42
54) 2-Hexanone	8.700	43	517	0.106	ug/l	# 47
59) Chlorobenzene	9.452	112	467	0.017	ug/l	# 44
63) Ethyl Benzene	9.571	91	517	0.579	ug/l	# 87
64) m/p-Xylenes	9.690	106	317	1.098	ug/l	98
65) o-Xylene	10.095	106	200	0.521	ug/l	74
66) Styrene	10.121	104	281	0.608	ug/l	# 43
71) 1,2,3-Trichloropropane	10.909	75	5046	0.478	ug/l	# 1
72) Bromobenzene	10.787	156	42	0.003	ug/l	# 1
73) n-propylbenzene	10.909	120	157645	10.245	ug/l	99
74) 2-Chlorotoluene	10.986	126	101	0.397	ug/l	# 1

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

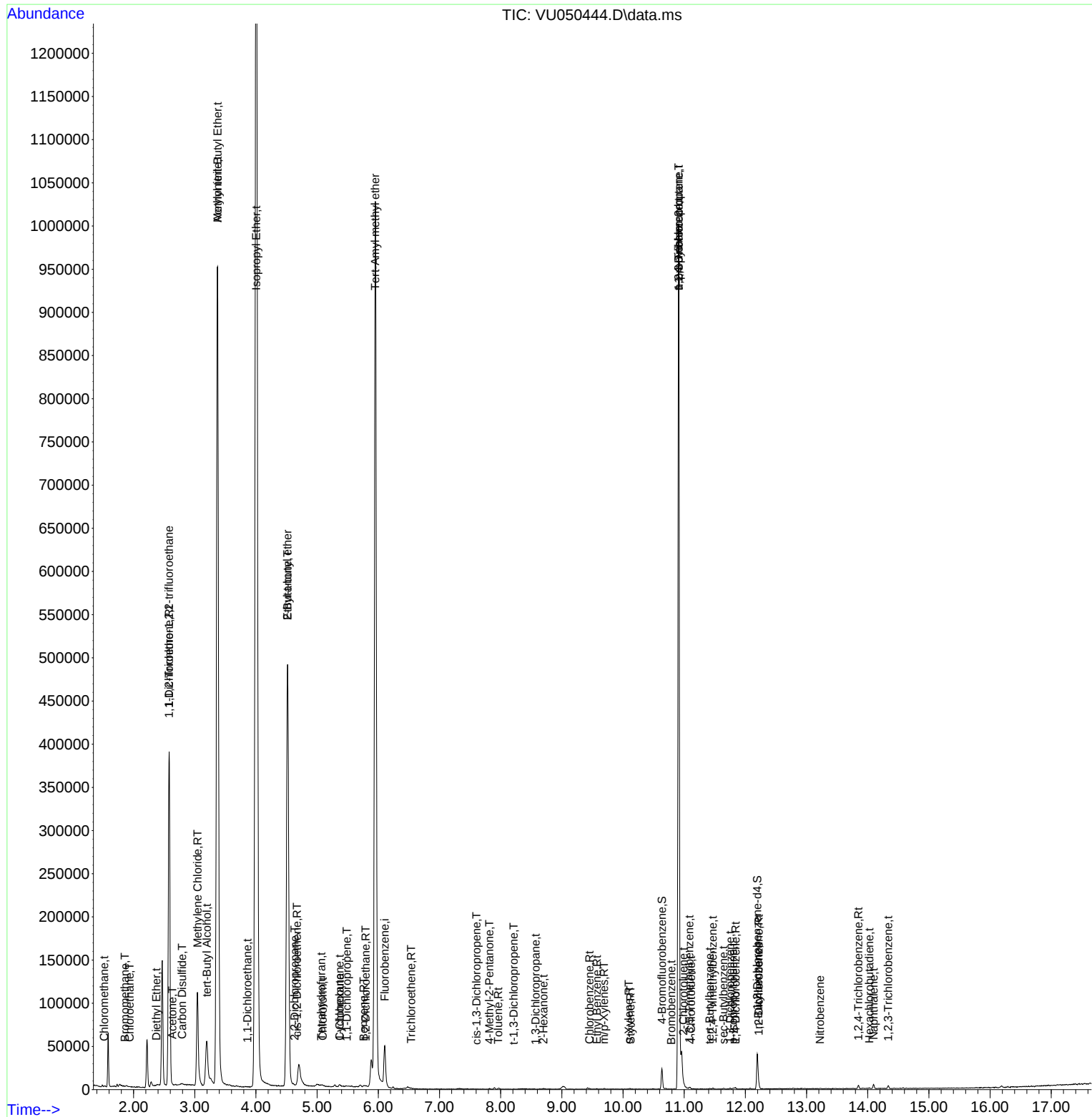
75) 1,3,5-Trimethylbenzene	11.086	105	839	0.540	ug/l #	30
76) 4-Chlorotoluene	11.111	126	113	0.409	ug/l #	1
77) tert-Butylbenzene	11.417	119	473	0.504	ug/l #	29
78) 1,2,4-Trimethylbenzene	11.468	105	940	0.583	ug/l	78
79) sec-Butylbenzene	11.642	105	942	0.563	ug/l #	89
80) Nitrobenzene	13.221	77	114	0.150	ug/l #	42
81) p-Isopropyltoluene	11.796	119	668	0.617	ug/l #	76
82) 1,3-Dichlorobenzene	11.751	146	654	0.026	ug/l #	81
83) 1,4-Dichlorobenzene	11.838	146	813	0.033	ug/l #	85
84) n-Butylbenzene	12.211	91	1727	0.621	ug/l #	86
85) 1,2-Dichlorobenzene	12.218	146	576	0.024	ug/l	94
87) 1,2,4-Trichlorobenzene	13.848	180	1526	0.110	ug/l	98
88) Hexachlorobutadiene	14.025	225	344	0.038	ug/l #	62
89) Naphthalene	14.095	128	4762	1.075	ug/l #	91
90) 1,2,3-Trichlorobenzene	14.336	180	1353	0.564	ug/l	97

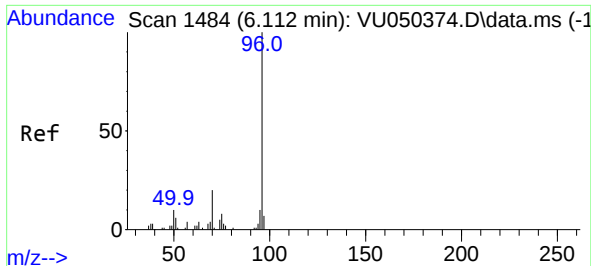
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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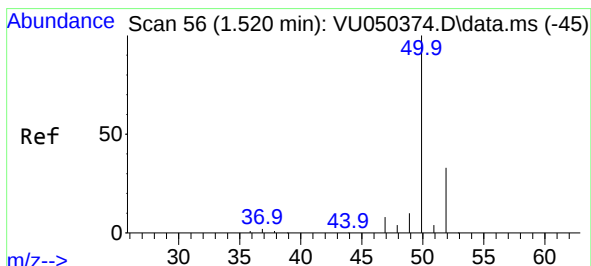
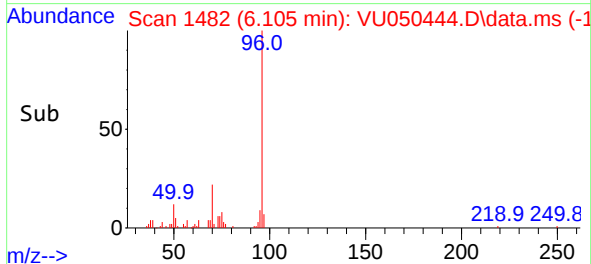
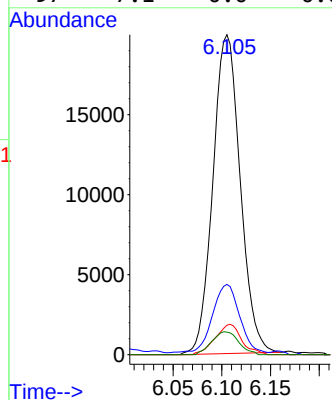
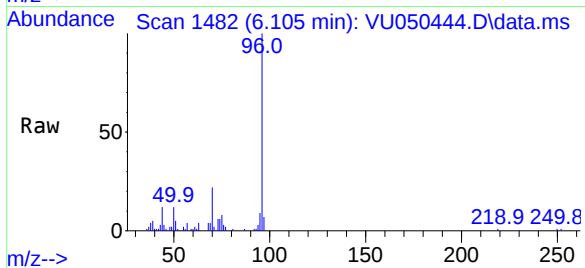




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.105 min Scan# 14
Delta R.T. -0.010 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

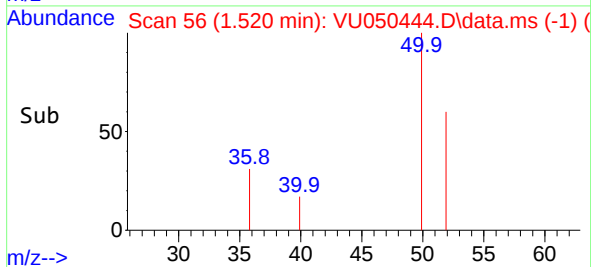
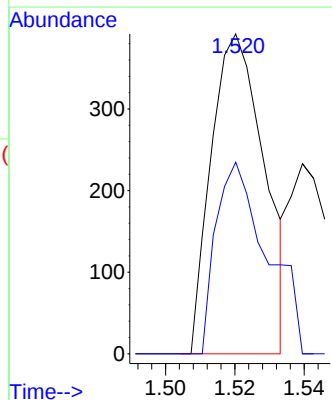
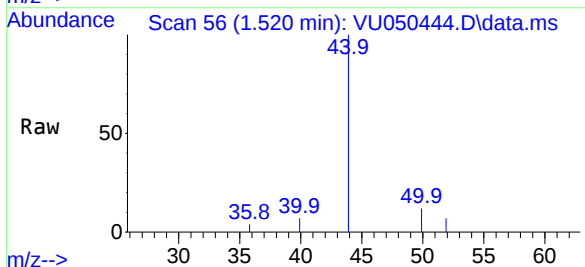
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

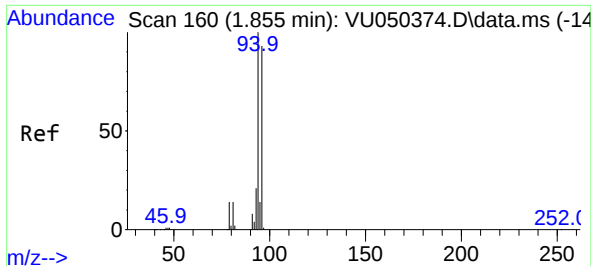
Tgt Ion:	96	Resp:	38890
Ion	Ratio	Lower	Upper
96	100		
70	20.9	16.7	25.1
95	9.2	7.4	11.0
97	7.1	0.0	0.0



#3
Chloromethane
Concen: 0.021 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion:	50	Resp:	418
Ion	Ratio	Lower	Upper
50	100		
52	59.9	26.1	39.1

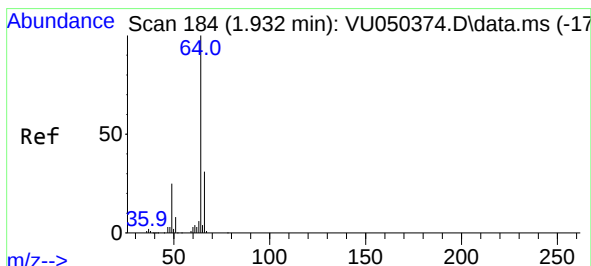
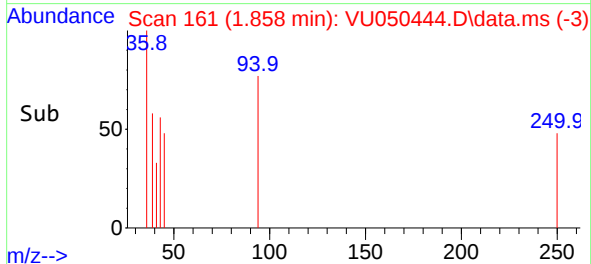
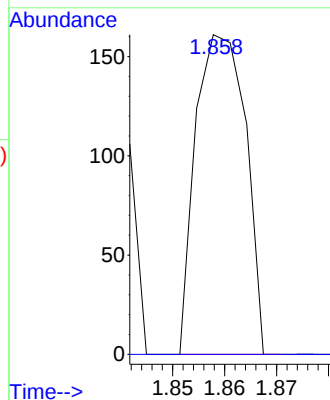
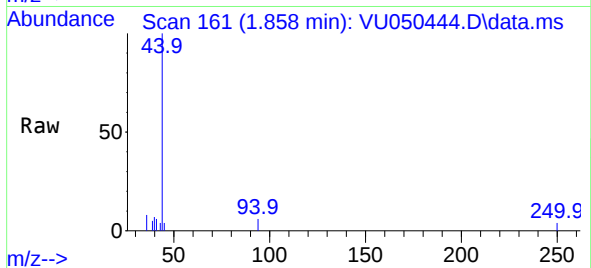




#5
Bromomethane
Concen: 0.016 ug/l
RT: 1.858 min Scan# 1
Delta R.T. 0.007 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

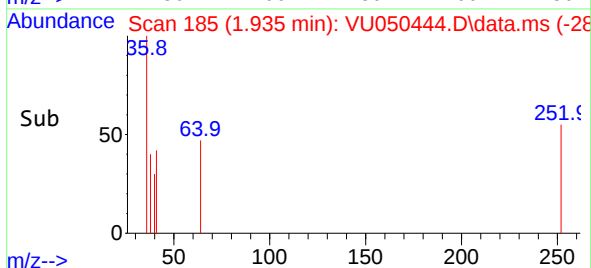
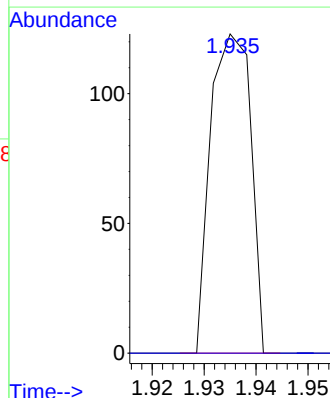
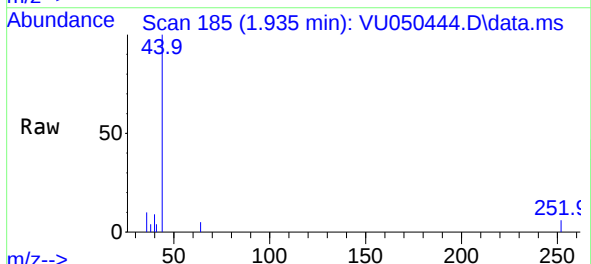
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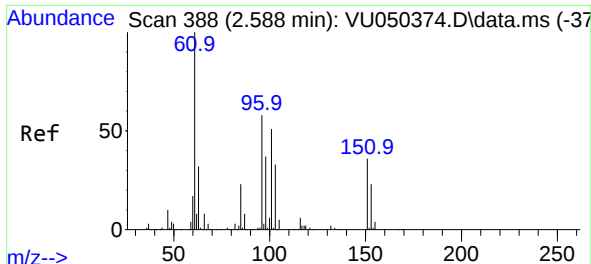
Tgt Ion: 94 Resp: 108
Ion Ratio Lower Upper
94 100
96 0.0 73.0 109.6#



#6
Chloroethane
Concen: 0.007 ug/l
RT: 1.935 min Scan# 185
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion: 64 Resp: 66
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#

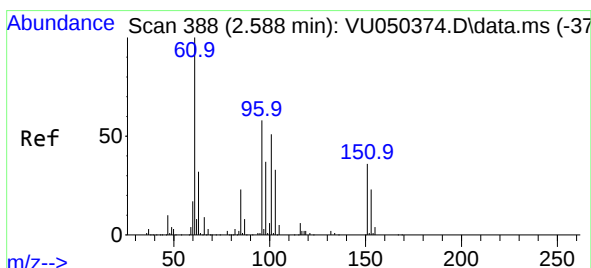
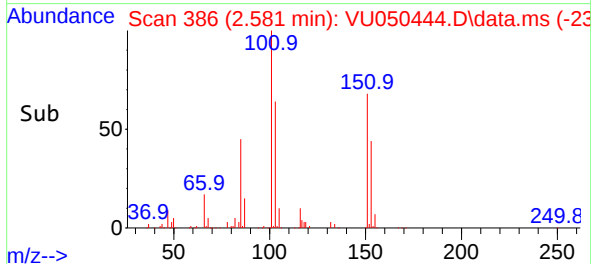
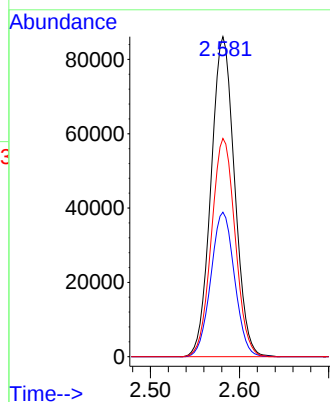
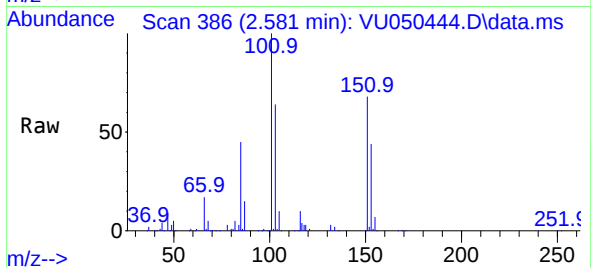




#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 13.550 ug/l
 RT: 2.581 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

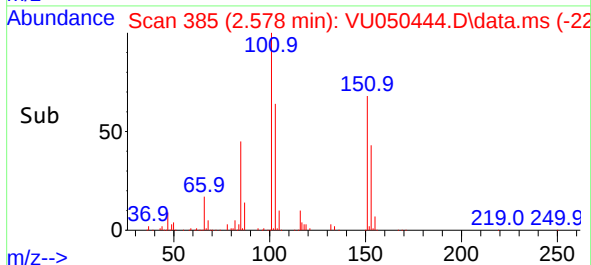
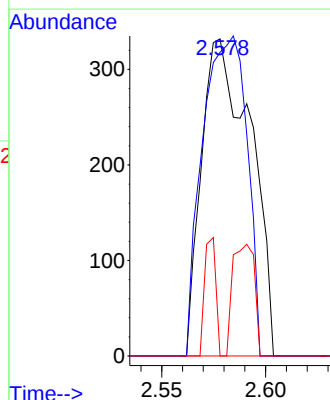
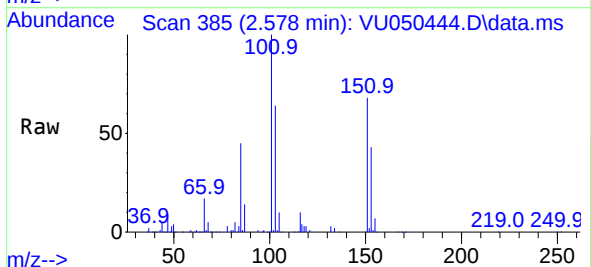
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-03-QT3-2022

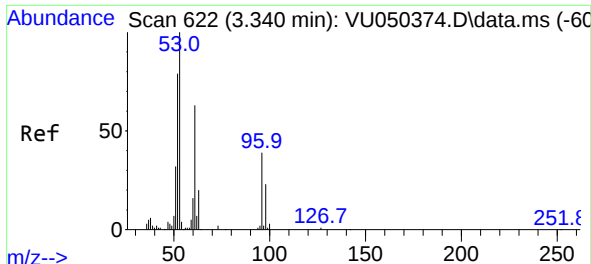
Tgt Ion:101 Resp: 158325
 Ion Ratio Lower Upper
 101 100
 85 45.3 36.4 54.6
 151 68.7 59.1 88.7



#9
 1,1-Dichloroethene
 Concen: 0.047 ug/l
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

Tgt Ion: 96 Resp: 543
 Ion Ratio Lower Upper
 96 100
 61 95.8 0.0 510.6
 98 0.0 0.0 124.6





#12

Acrylonitrile

Concen: 3.782 ug/l

RT: 3.372 min Scan# 61

Delta R.T. 0.055 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2022

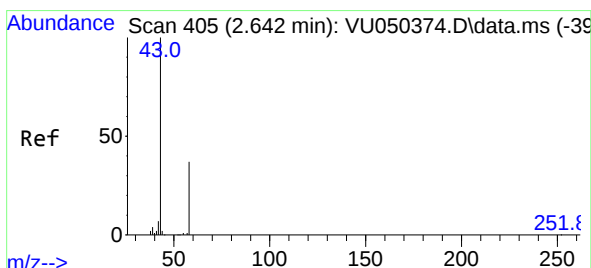
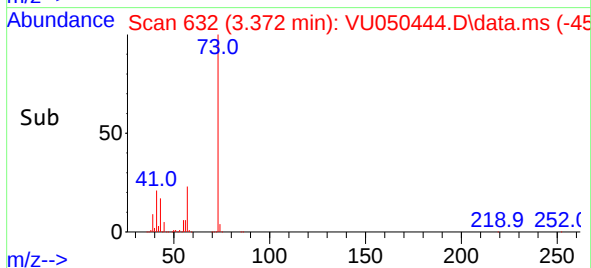
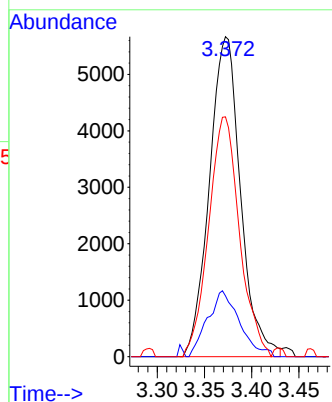
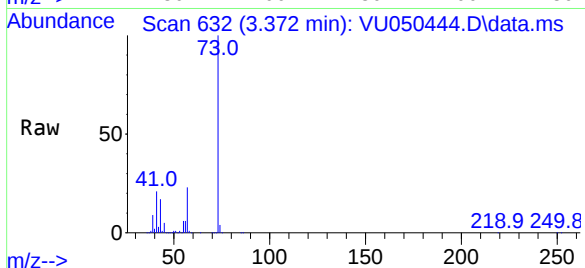
Tgt Ion: 53 Resp: 12992

Ion Ratio Lower Upper

53 100

52 21.1 64.6 97.0#

51 74.2 30.7 46.1#



#13

Acetone

Concen: 0.765 ug/l

RT: 2.633 min Scan# 402

Delta R.T. 0.007 min

Lab File: VU050444.D

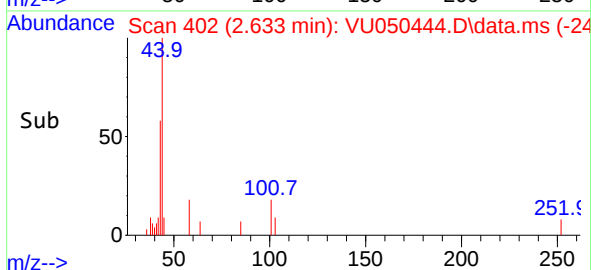
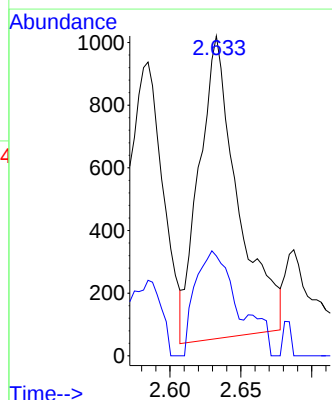
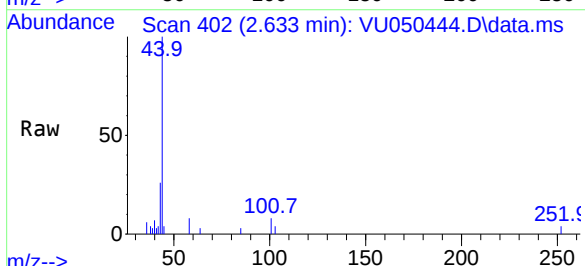
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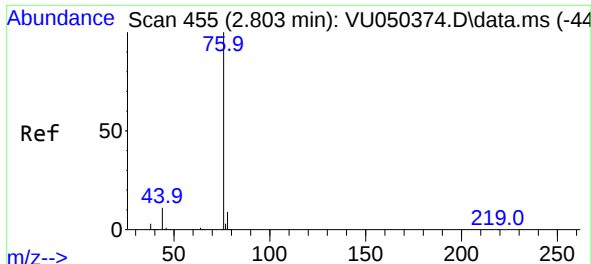
Tgt Ion: 43 Resp: 1839

Ion Ratio Lower Upper

43 100

58 39.3 26.2 39.2#

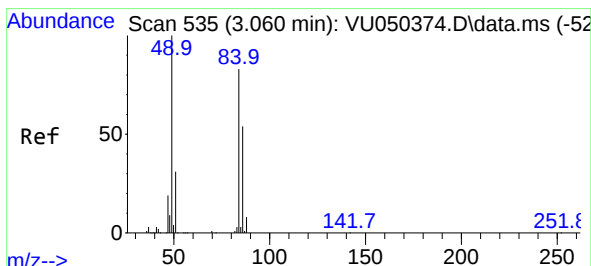
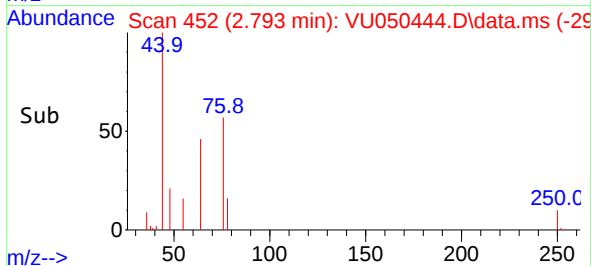
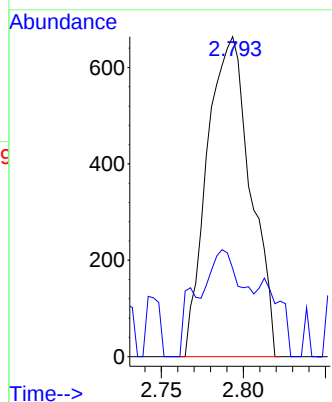
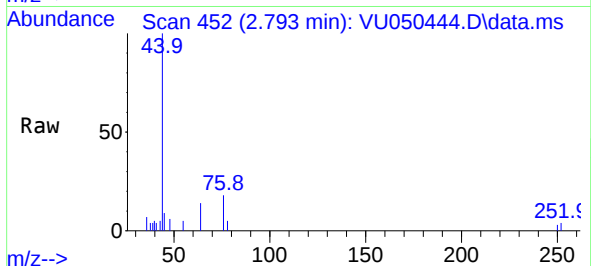




#14
Carbon Disulfide
Concen: 0.034 ug/l
RT: 2.793 min Scan# 411
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

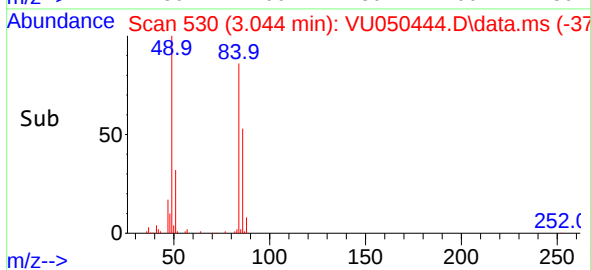
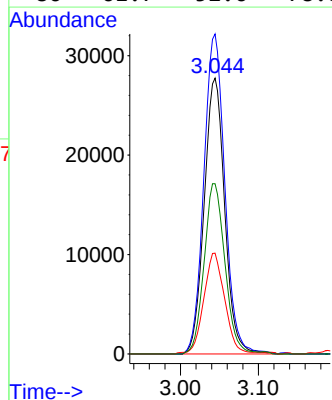
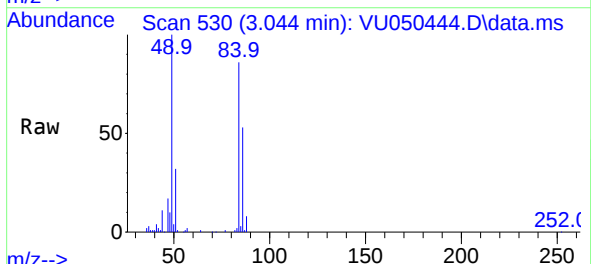
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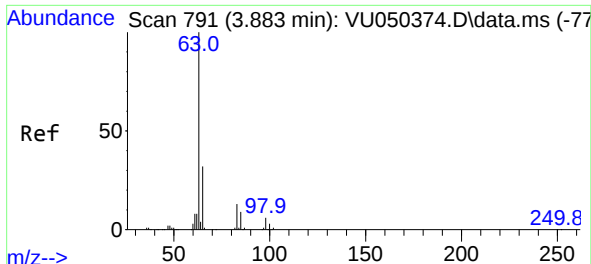
Tgt Ion: 76 Resp: 1222
Ion Ratio Lower Upper
76 100
78 27.6 7.4 11.0#



#15
Methylene Chloride
Concen: 3.287 ug/l
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion: 84 Resp: 50943
Ion Ratio Lower Upper
84 100
49 116.0 104.6 157.0
51 36.6 0.0 81.4
86 61.7 52.6 78.8

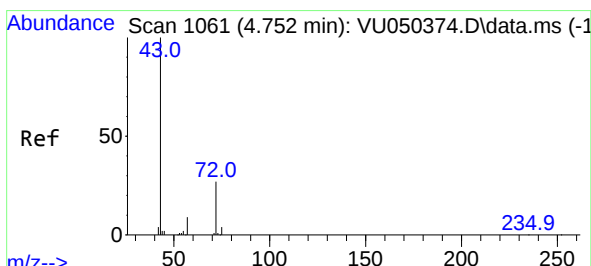
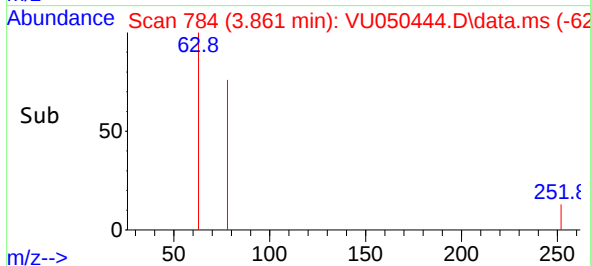
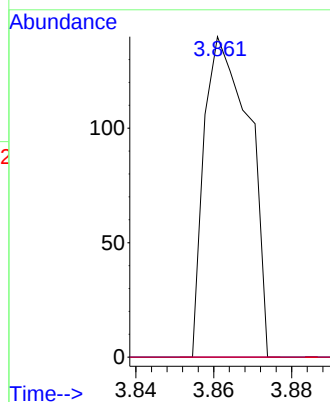
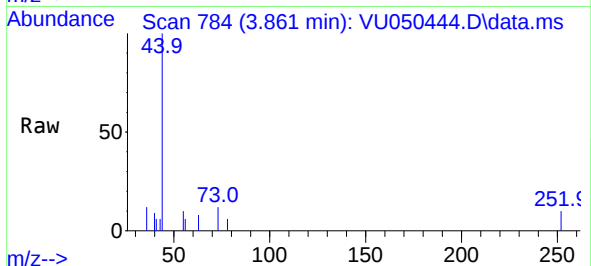




#17
1,1-Dichloroethane
Concen: 0.005 ug/l
RT: 3.861 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

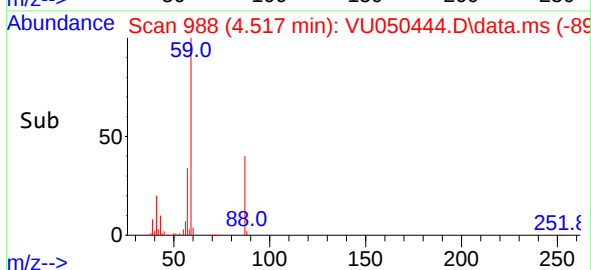
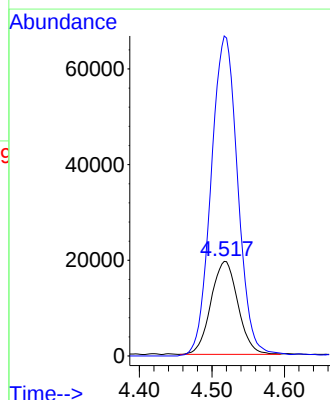
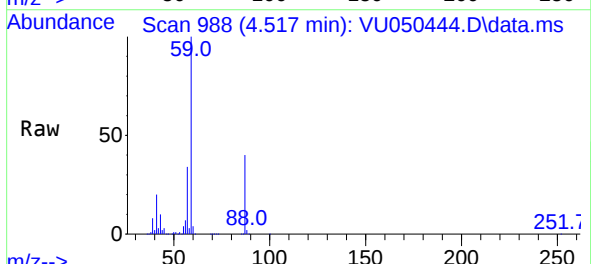
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2022

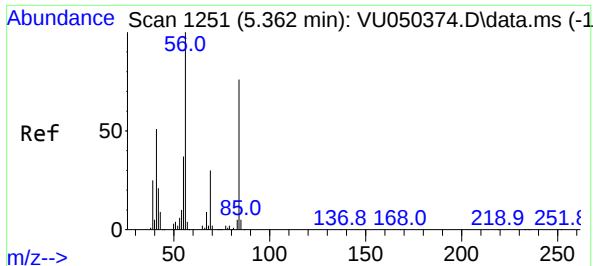
Tgt Ion: 63	Resp: 112
Ion Ratio	Lower Upper
63 100	
98 0.0	3.4 10.2#
100 0.0	2.0 6.0#



#18
2-Butanone
Concen: 13.322 ug/l
RT: 4.517 min Scan# 988
Delta R.T. -0.202 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion: 43	Resp: 50343
Ion Ratio	Lower Upper
43 100	
57 343.4	0.0 18.0#





#19

Cyclohexane

Concen: 0.017 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.016 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

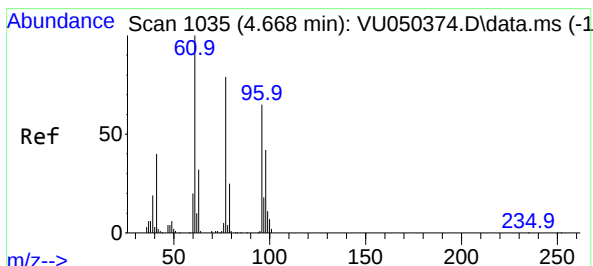
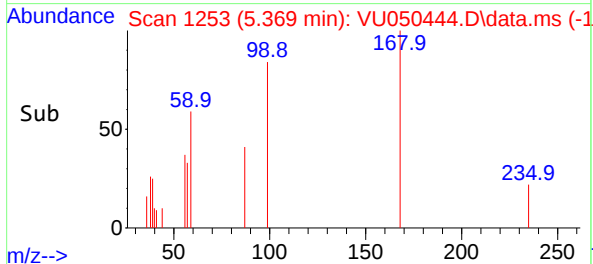
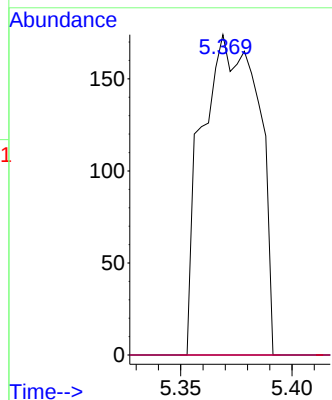
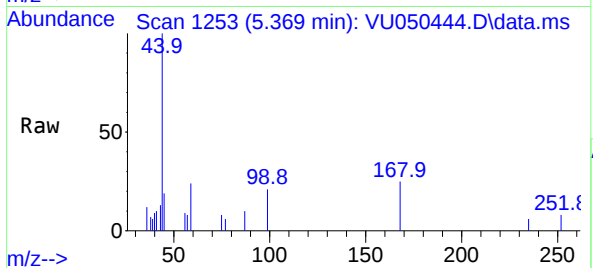
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2022

Tgt Ion:	56	Resp:	306
Ion Ratio	Lower	Upper	
56	100		
69	0.0	24.2	36.4#
84	0.0	63.4	95.2#



#21

2,2-Dichloropropane

Concen: 0.005 ug/l

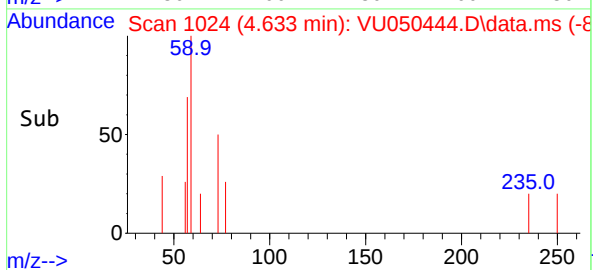
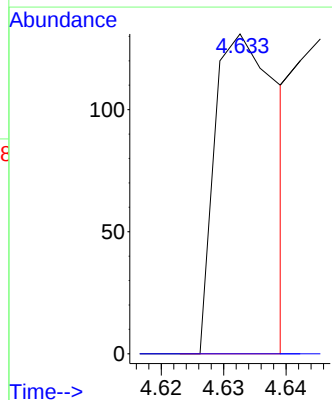
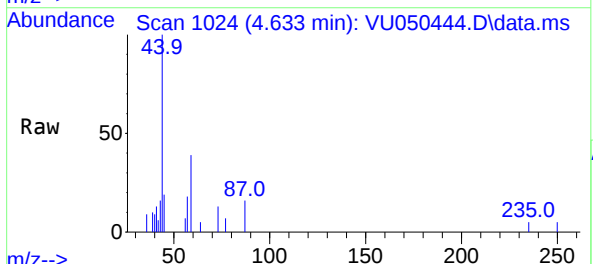
RT: 4.633 min Scan# 1024

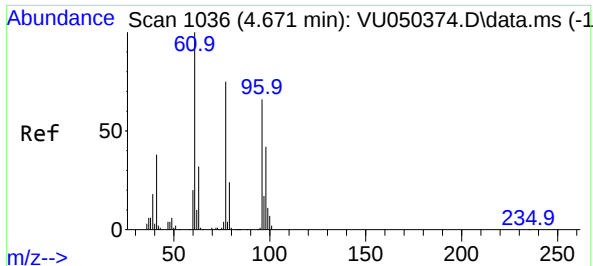
Delta R.T. -0.032 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

Tgt Ion:	77	Resp:	92
Ion Ratio	Lower	Upper	
77	100		
97	0.0	18.5	27.7#

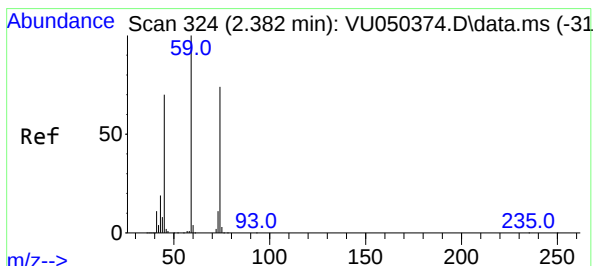
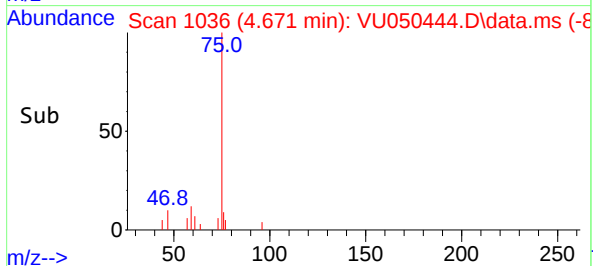
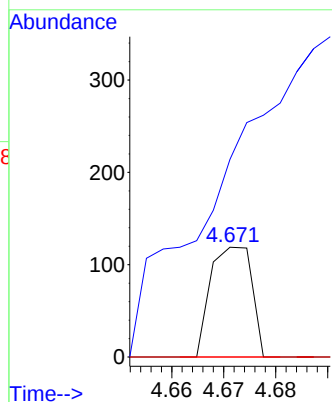
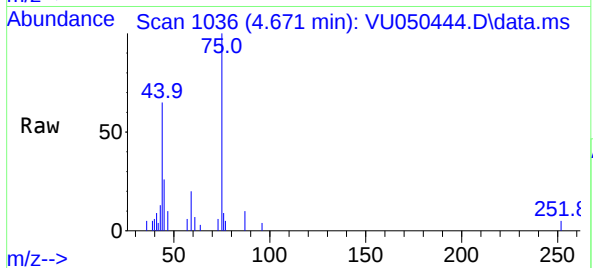




#22
cis-1,2-Dichloroethene
Concen: 0.005 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

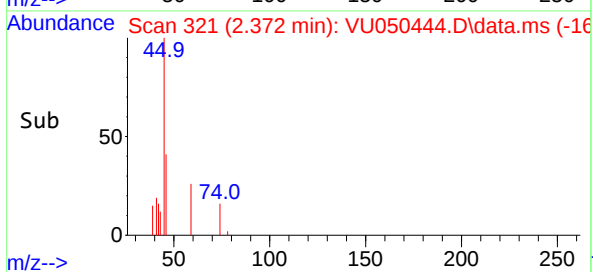
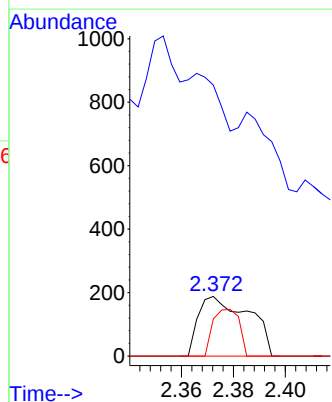
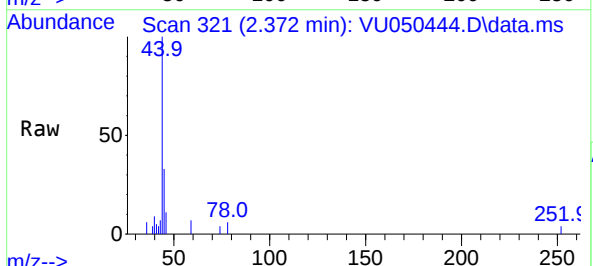
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

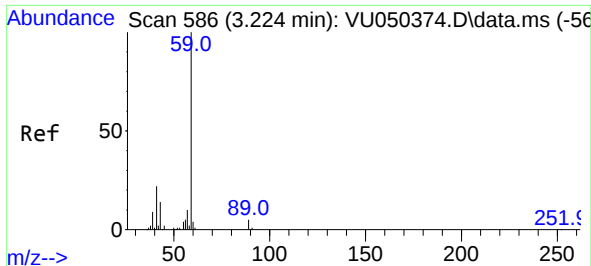
Tgt Ion: 96 Resp: 66
Ion Ratio Lower Upper
96 100
61 2139.4 0.0 375.8#
98 0.0 31.6 95.0#



#23
Diethyl Ether
Concen: 0.026 ug/l
RT: 2.372 min Scan# 321
Delta R.T. -0.006 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
45 2913.8 56.0 84.0#
74 40.7 57.6 86.4#

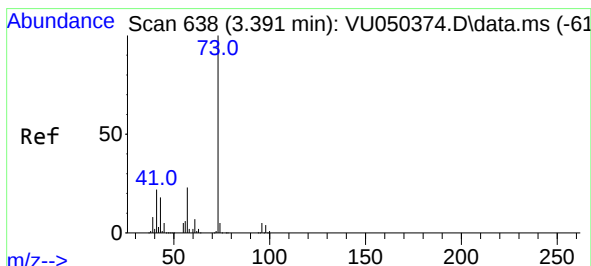
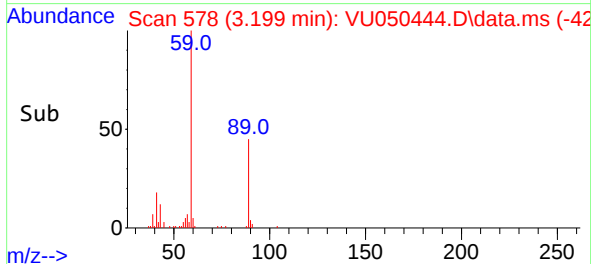
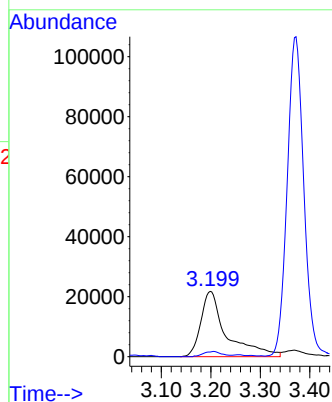
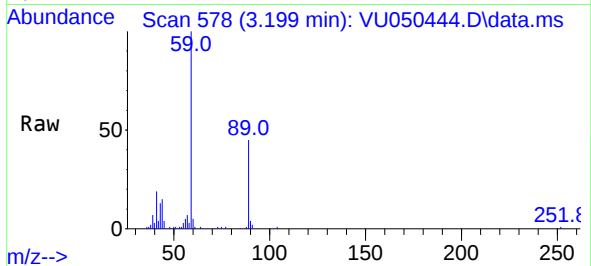




#24
tert-Butyl Alcohol
Concen: 62.750 ug/l
RT: 3.199 min Scan# 51
Delta R.T. 0.004 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

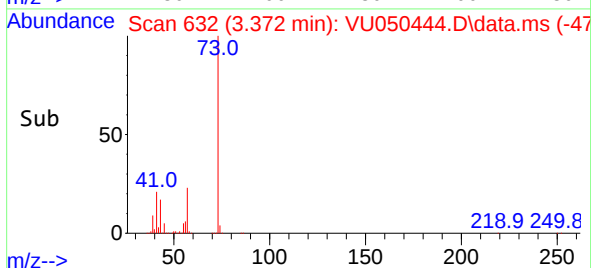
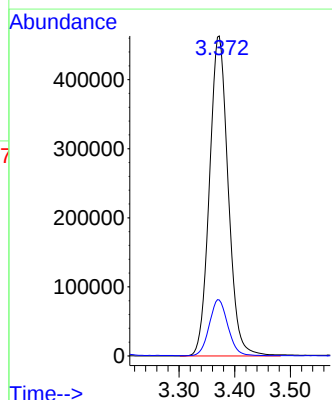
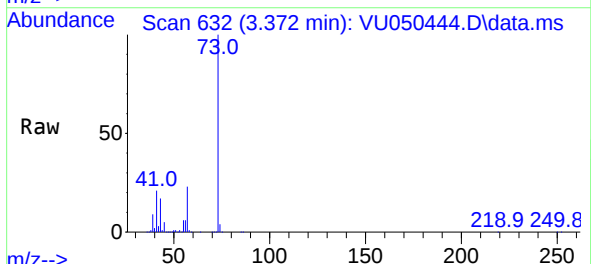
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

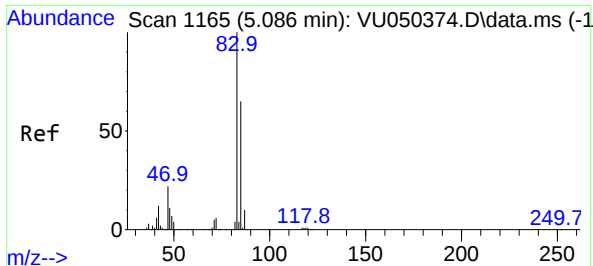
Tgt Ion: 59 Resp: 78140
Ion Ratio Lower Upper
59 100
57 317.6 8.2 12.2#



#25
Methyl tert-Butyl Ether
Concen: 35.584 ug/l
RT: 3.372 min Scan# 632
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion: 73 Resp: 1082662
Ion Ratio Lower Upper
73 100
43 17.4 15.9 23.9





#27

Chloroform

Concen: 0.016 ug/l

RT: 5.092 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

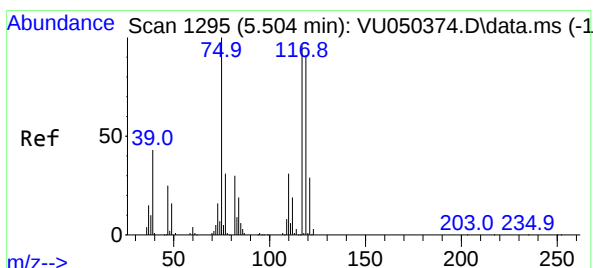
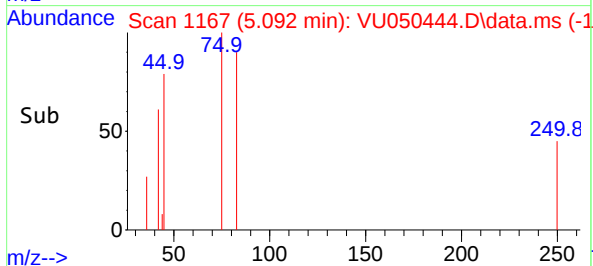
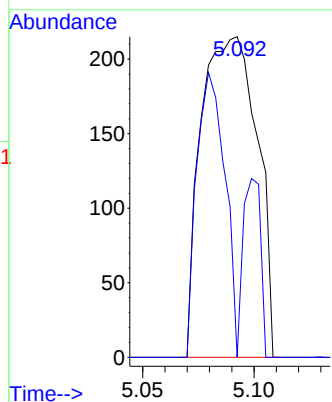
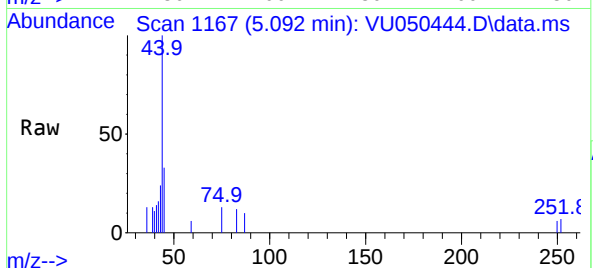
MDL-WATER-03-QT3-2022

Tgt Ion: 83 Resp: 375

Ion Ratio Lower Upper

83 100

85 0.0 0.0 133.6



#29

1,1-Dichloropropene

Concen: 0.071 ug/l

RT: 5.485 min Scan# 1289

Delta R.T. -0.038 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

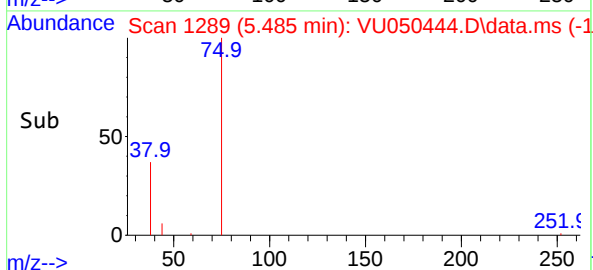
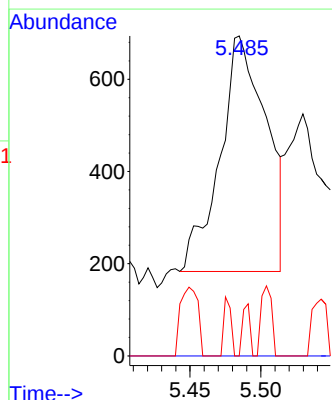
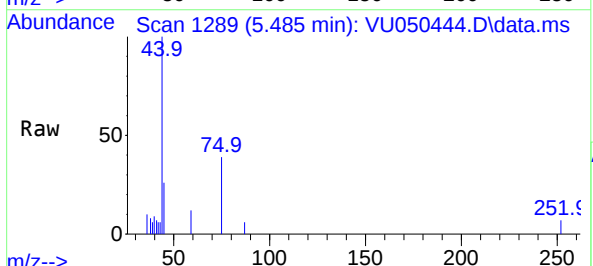
Tgt Ion: 75 Resp: 1159

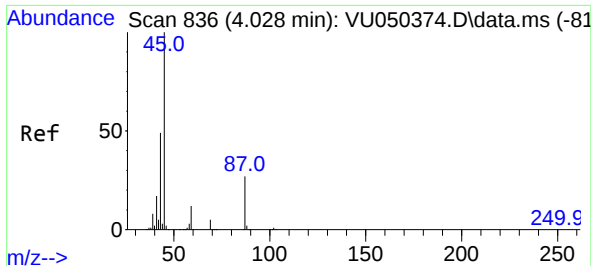
Ion Ratio Lower Upper

75 100

110 0.0 17.3 52.0#

77 3.5 24.6 37.0#

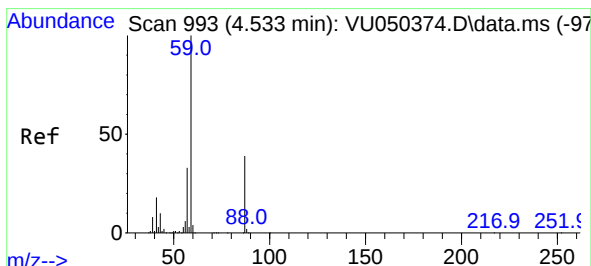
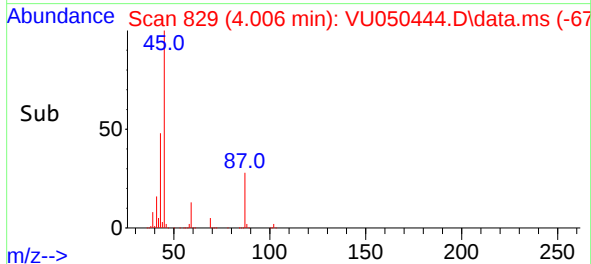
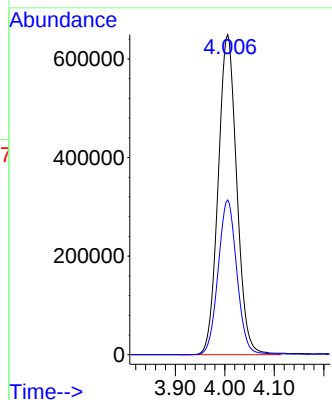
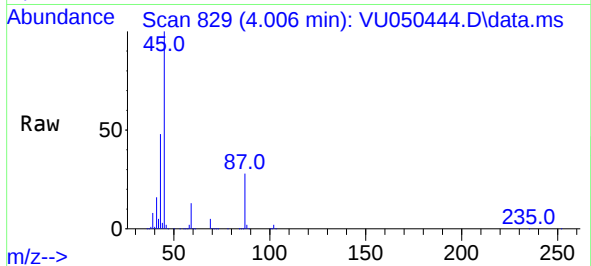




#31
Isopropyl Ether
Concen: 44.410 ug/l
RT: 4.006 min Scan# 81
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

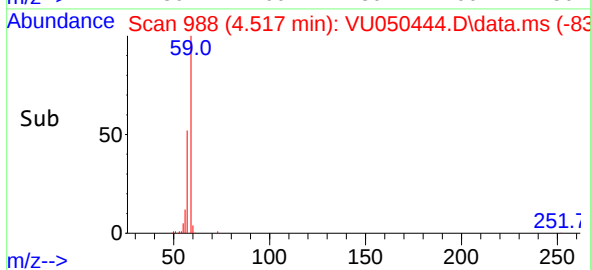
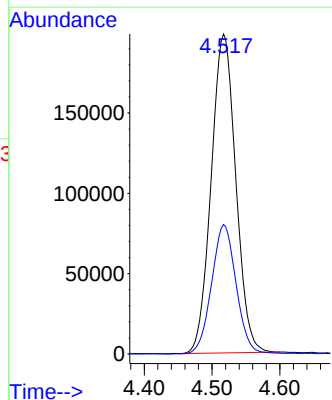
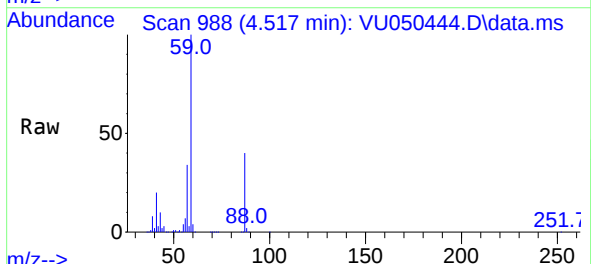
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

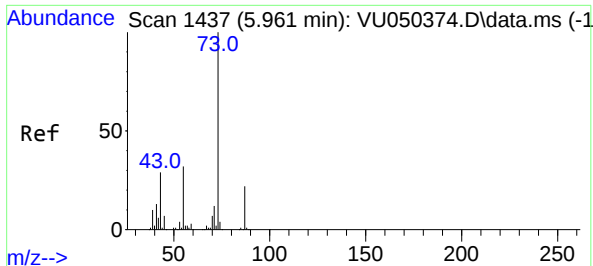
Tgt Ion: 45 Resp: 1698904
Ion Ratio Lower Upper
45 100
43 48.6 23.8 71.2



#32
Ethyl-t-butyl ether
Concen: 16.644 ug/l
RT: 4.517 min Scan# 988
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion: 59 Resp: 500208
Ion Ratio Lower Upper
59 100
87 40.2 32.5 48.7

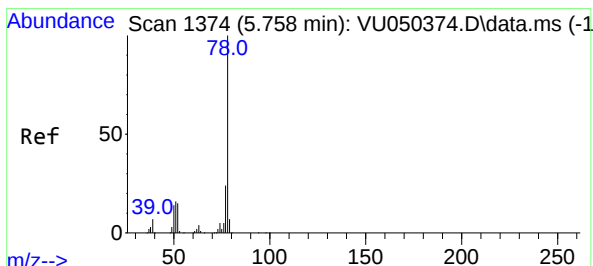
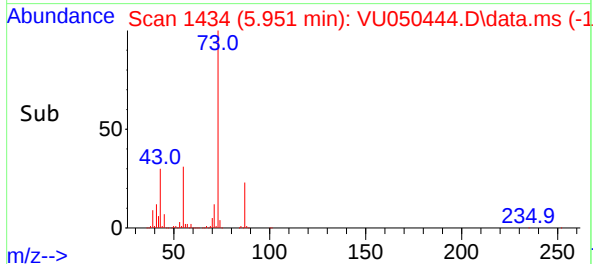
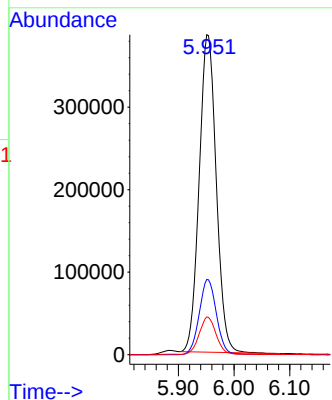
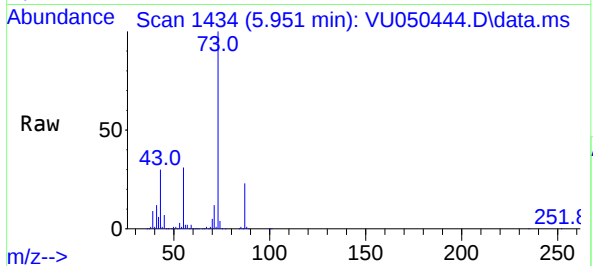




#33
Tert-Amyl methyl ether
Concen: 41.800 ug/l
RT: 5.951 min Scan# 1437
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

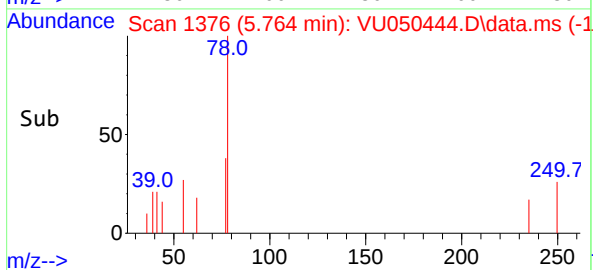
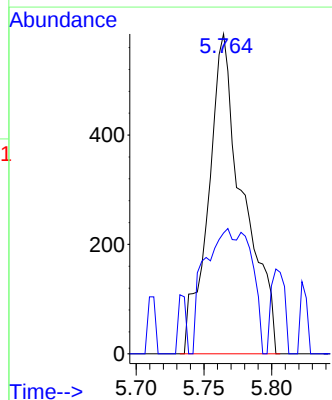
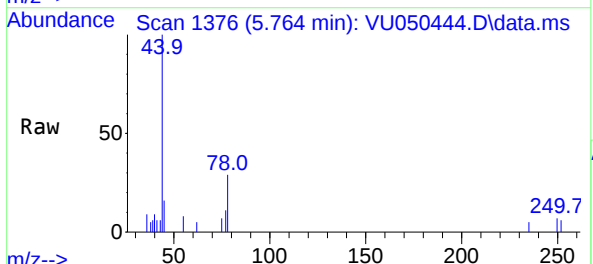
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

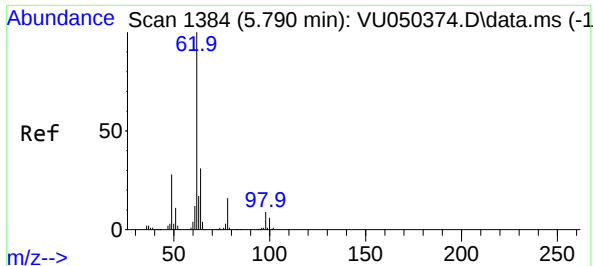
Tgt Ion: 73 Resp: 818924
Ion Ratio Lower Upper
73 100
87 23.6 19.7 29.5
71 11.6 9.0 13.4



#35
Benzene
Concen: 0.022 ug/l
RT: 5.764 min Scan# 1376
Delta R.T. -0.010 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion: 78 Resp: 1050
Ion Ratio Lower Upper
78 100
77 19.3 18.6 28.0

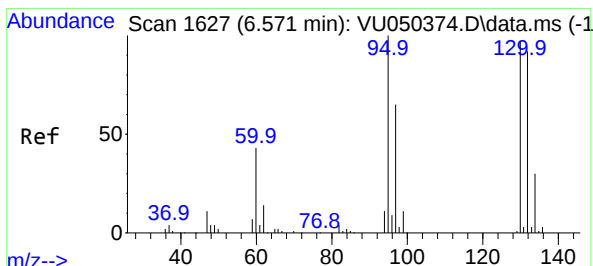
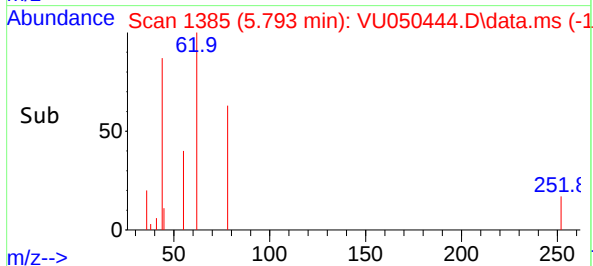
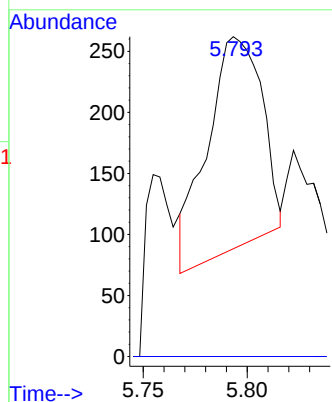
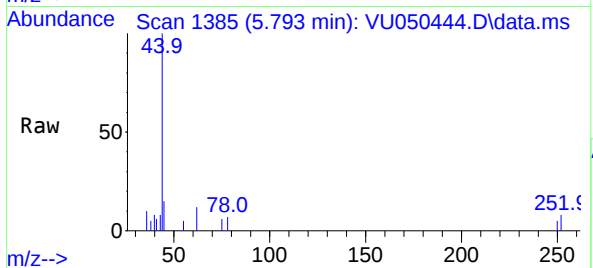




#36
1,2-Dichloroethane
Concen: 0.022 ug/l
RT: 5.793 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

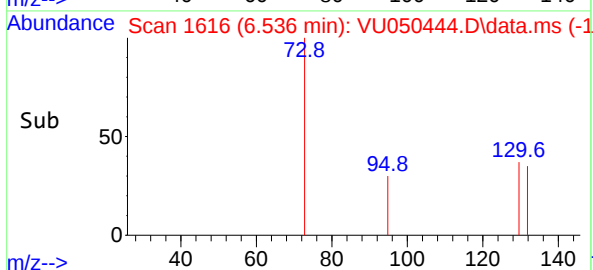
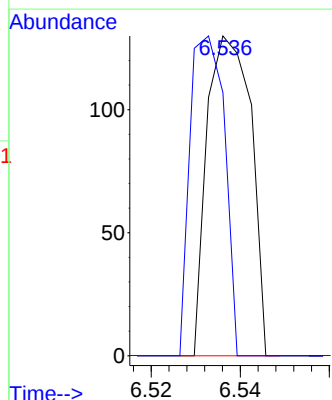
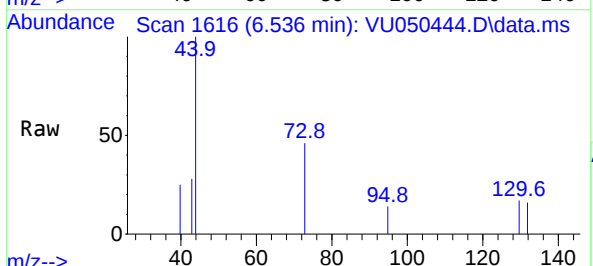
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

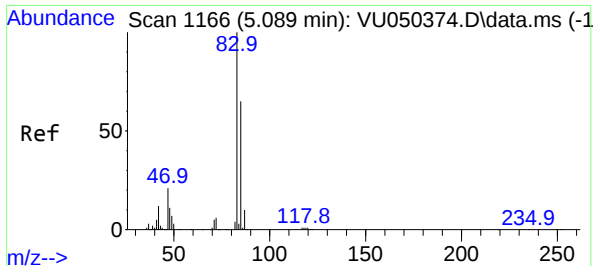
Tgt Ion: 62 Resp: 318
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#37
Trichloroethene
Concen: 0.008 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.006 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion:130 Resp: 89
Ion Ratio Lower Upper
130 100
95 82.3 83.8 125.8#





#41

Tetrahydrofuran

Concen: 0.092 ug/l

RT: 5.070 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2022

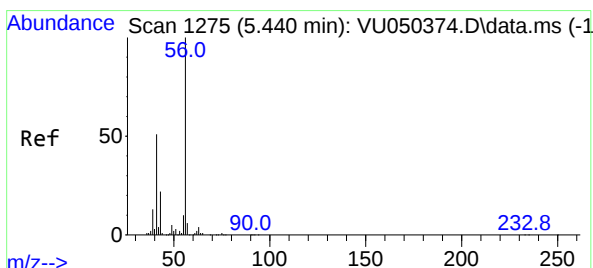
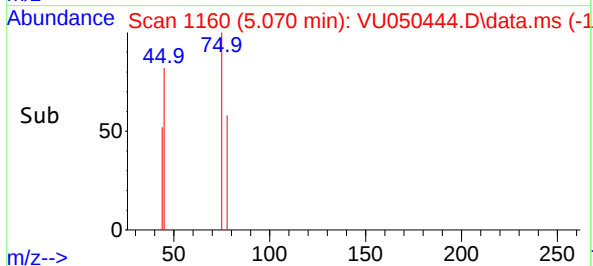
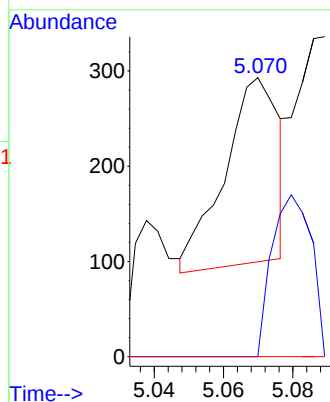
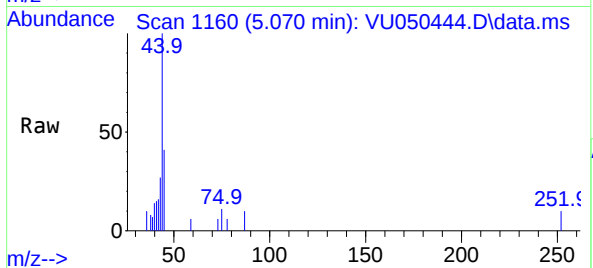
Tgt Ion: 42 Resp: 210

Ion Ratio Lower Upper

42 100

72 0.0 38.9 58.3#

71 0.0 33.7 50.5#



#42

1-Chlorobutane

Concen: 0.013 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.087 min

Lab File: VU050444.D

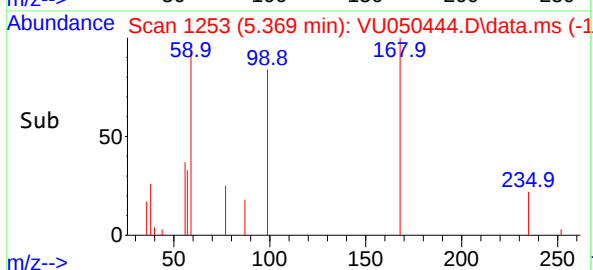
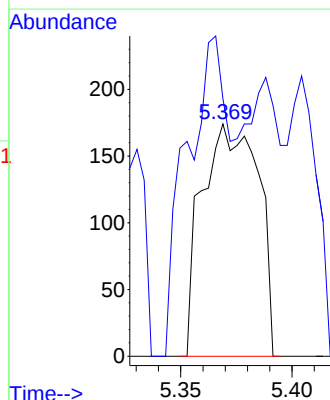
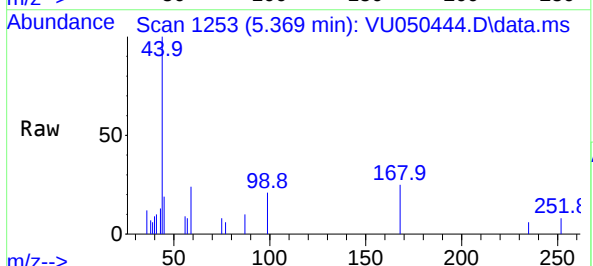
Acq: 25 Aug 2022 14:44

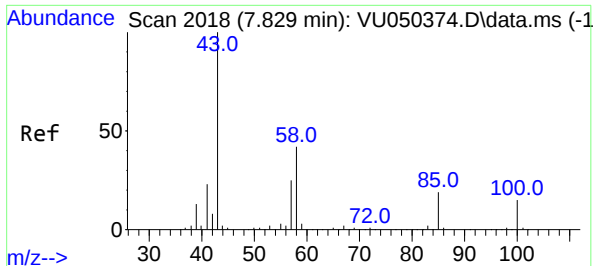
Tgt Ion: 56 Resp: 306

Ion Ratio Lower Upper

56 100

41 0.0 26.4 79.2#





#45

4-Methyl-2-Pentanone

Concen: 0.100 ug/l

RT: 7.816 min Scan# 2014

Delta R.T. 0.019 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

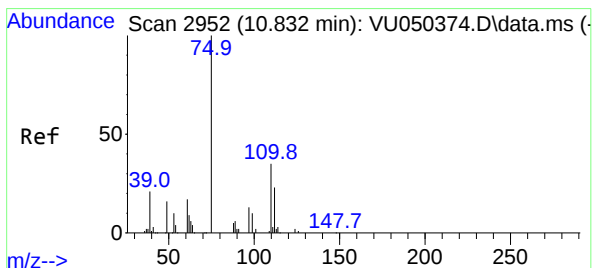
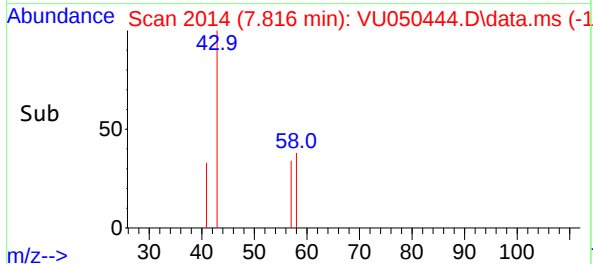
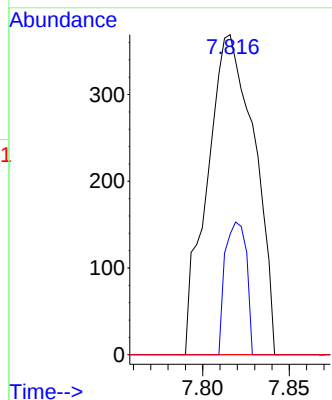
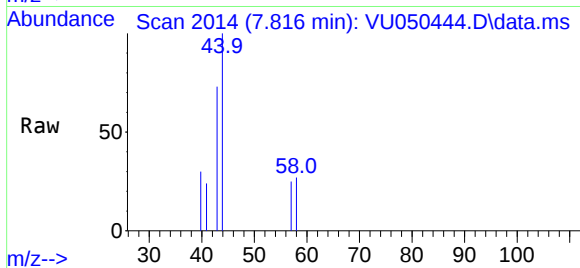
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2022

Tgt Ion:	43	Resp:	698
Ion	Ratio	Lower	Upper
43	100		
58	18.6	20.3	61.0#
85	0.0	14.6	21.8#



#46

t-1,4-Dichloro-2-butene

Concen: 1.704 ug/l

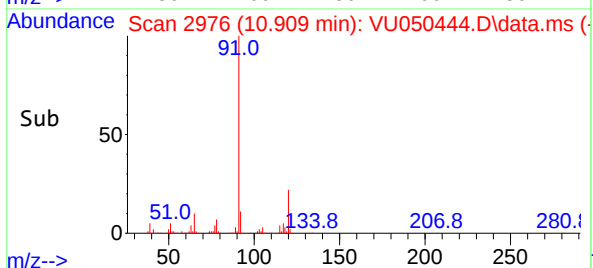
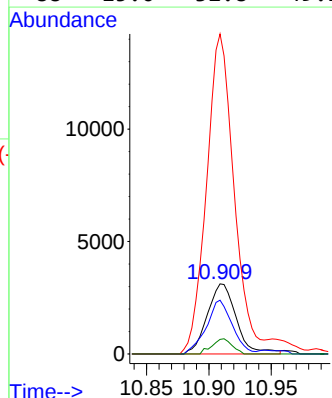
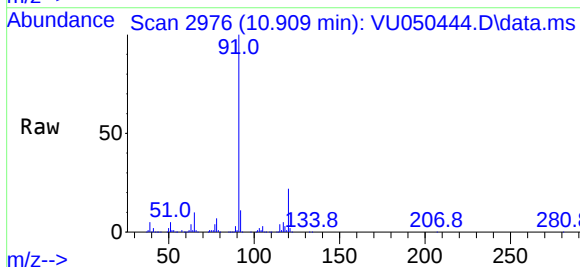
RT: 10.909 min Scan# 2976

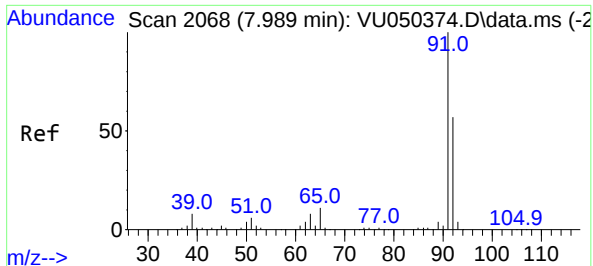
Delta R.T. 0.077 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

Tgt Ion:	75	Resp:	5046
Ion	Ratio	Lower	Upper
75	100		
53	68.5	64.4	96.6
89	431.4	44.2	66.2#
88	15.0	32.8	49.2#





#49

Toluene

Concen: 0.022 ug/l

RT: 7.960 min Scan# 2068

Delta R.T. -0.010 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

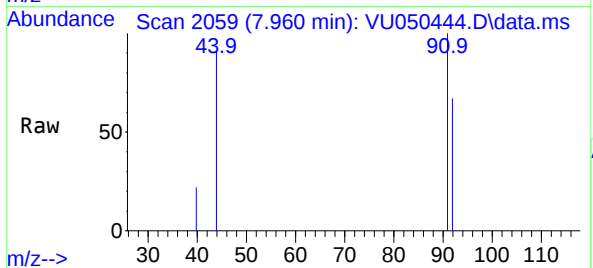
MDL-WATER-03-QT3-2022

Tgt Ion: 92 Resp: 557

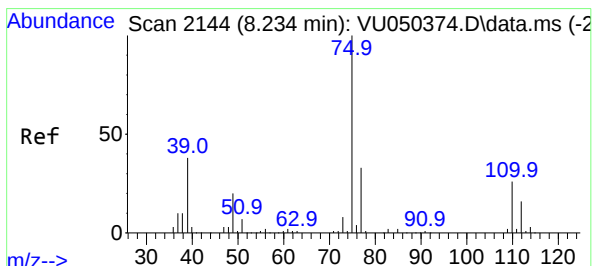
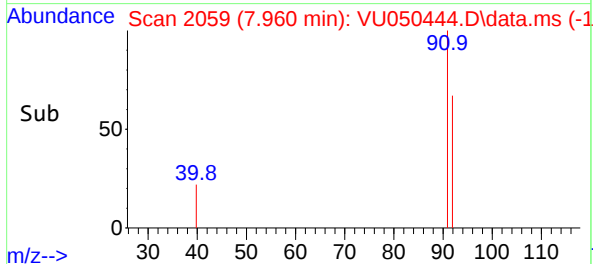
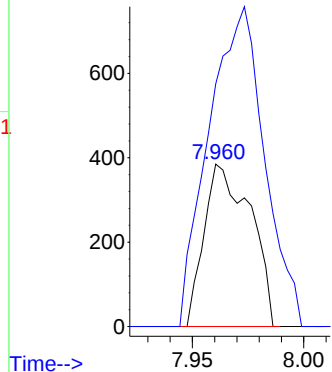
Ion Ratio Lower Upper

92 100

91 236.6 138.6 207.8#



Abundance



#50

t-1,3-Dichloropropene

Concen: 0.003 ug/l

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050444.D

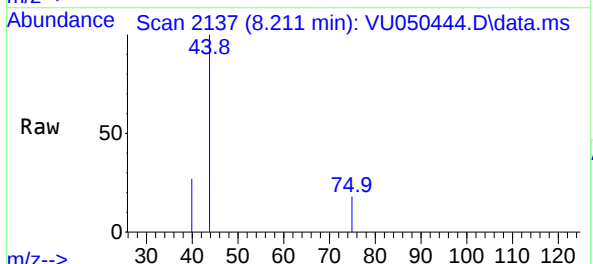
Acq: 25 Aug 2022 14:44

Tgt Ion: 75 Resp: 41

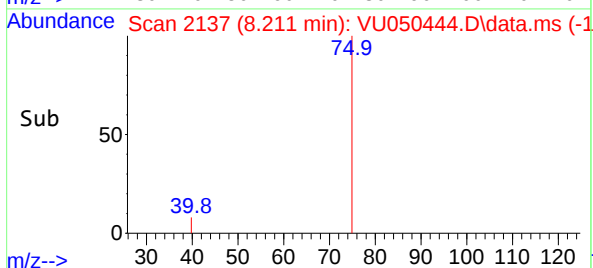
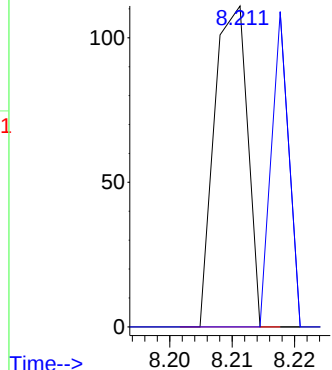
Ion Ratio Lower Upper

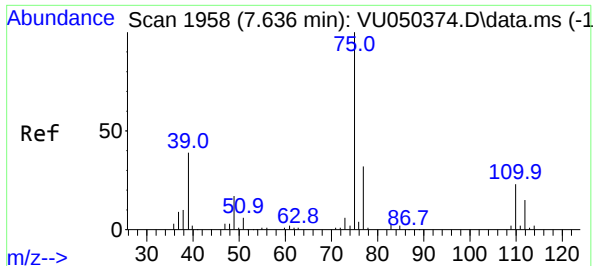
75 100

77 0.0 24.7 37.1#



Abundance

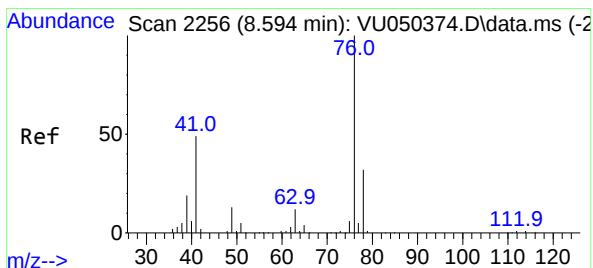
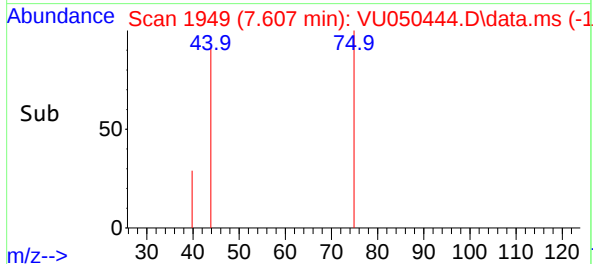
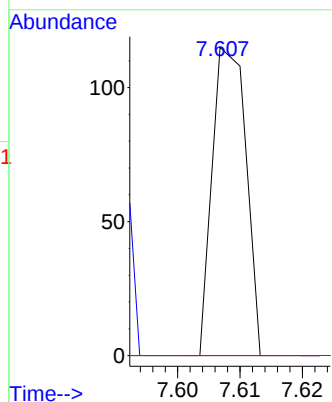
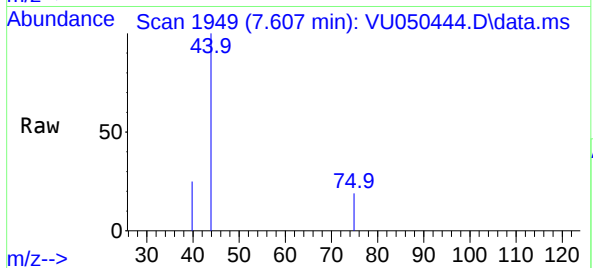




#51
 cis-1,3-Dichloropropene
 Concen: 0.003 ug/l
 RT: 7.607 min Scan# 1949
 Delta R.T. -0.003 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

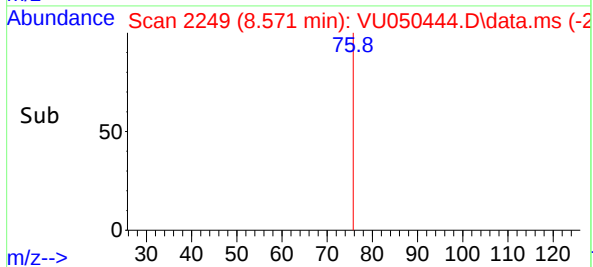
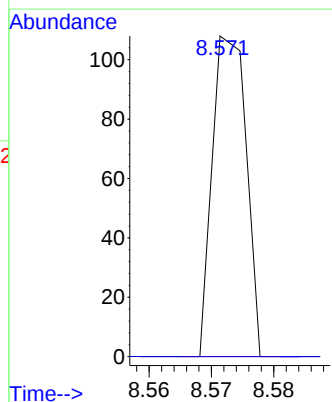
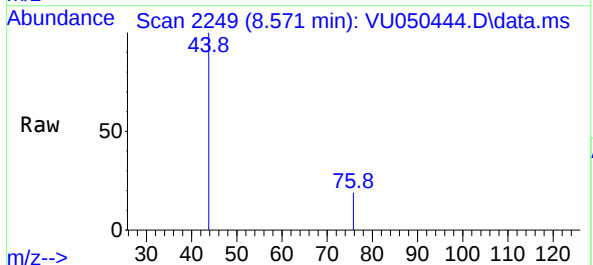
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-03-QT3-2022

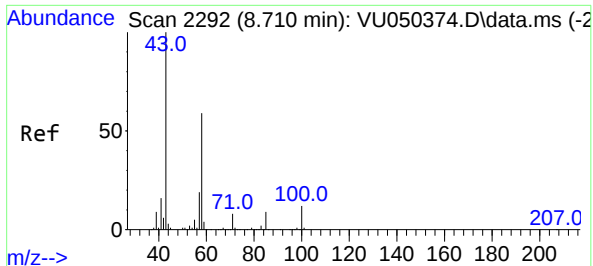
Tgt Ion:	75	Resp:	43
Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.4	38.0#
39	0.0	35.1	52.7#



#53
 1,3-Dichloropropane
 Concen: 0.003 ug/l
 RT: 8.571 min Scan# 2249
 Delta R.T. -0.006 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

Tgt Ion:	76	Resp:	41
Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.0	39.0#

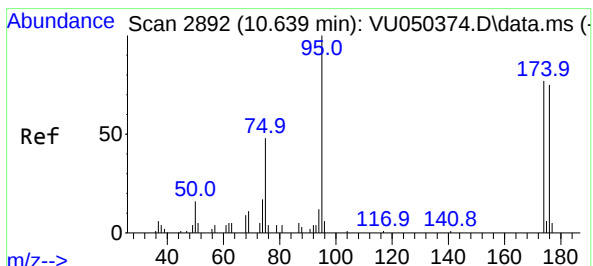
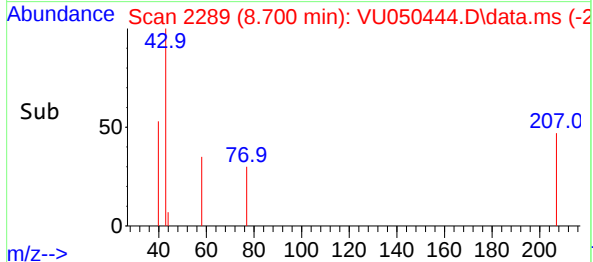
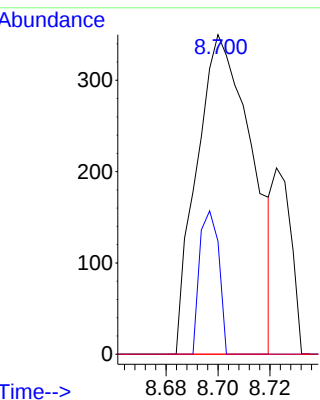
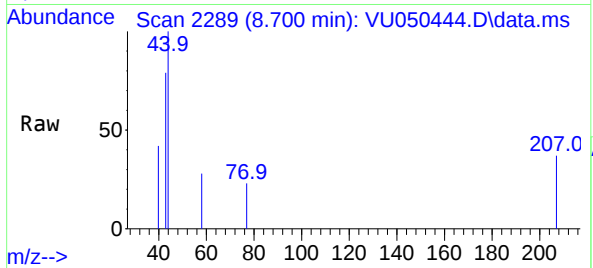




#54
2-Hexanone
Concen: 0.106 ug/l
RT: 8.700 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

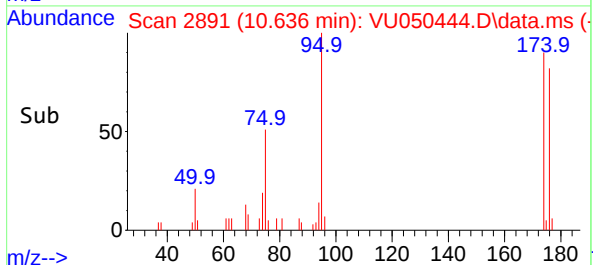
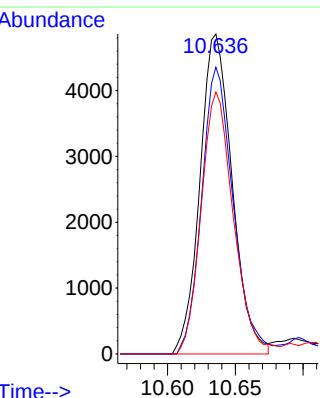
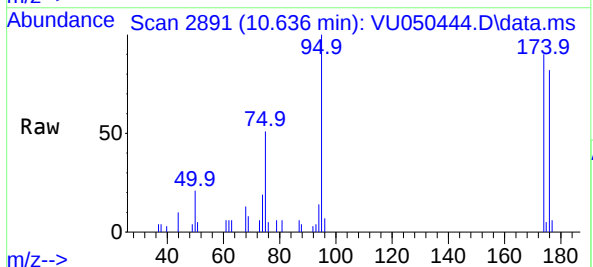
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

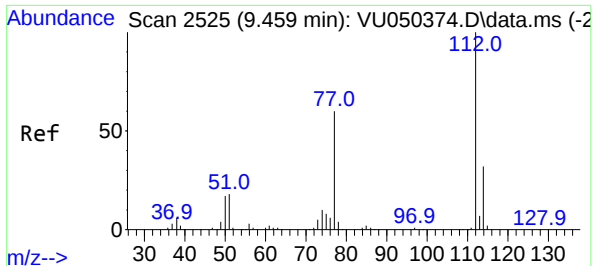
Tgt Ion:	43	Resp:	517
Ion	Ratio	Lower	Upper
43	100		
58	15.5	37.1	77.1#
57	0.0	0.0	39.5



#57
4-Bromofluorobenzene
Concen: 0.608 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion:	95	Resp:	8045
Ion	Ratio	Lower	Upper
95	100		
174	87.5	62.4	93.6
176	81.9	56.2	84.2





#59

Chlorobenzene

Concen: 0.017 ug/l

RT: 9.452 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

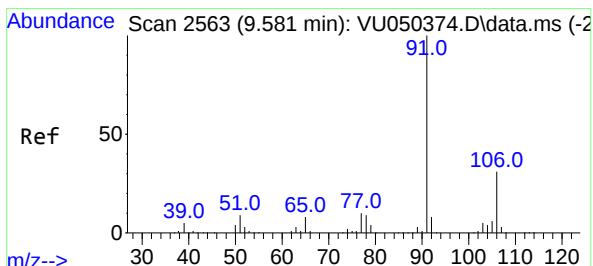
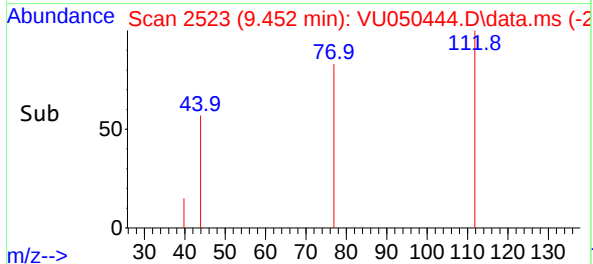
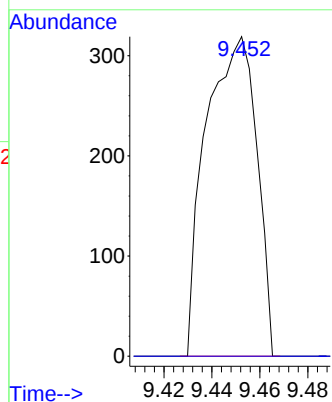
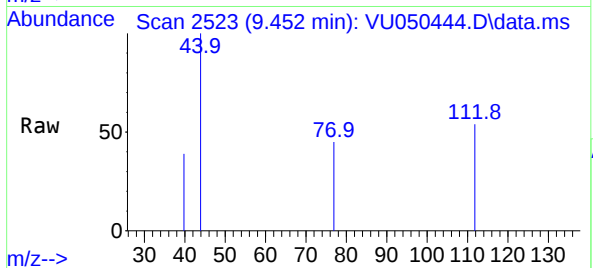
MDL-WATER-03-QT3-2022

Tgt Ion:112 Resp: 467

Ion Ratio Lower Upper

112 100

114 0.0 24.9 37.3#



#63

Ethyl Benzene

Concen: 0.579 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU050444.D

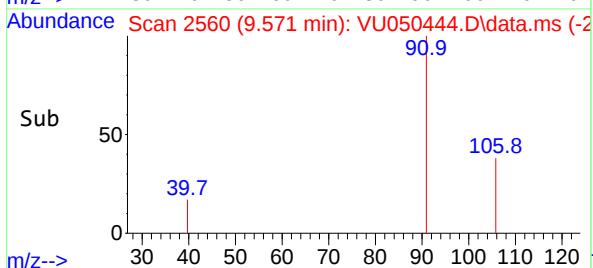
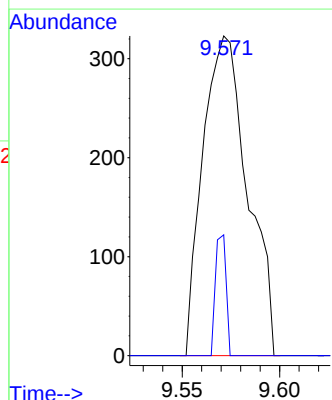
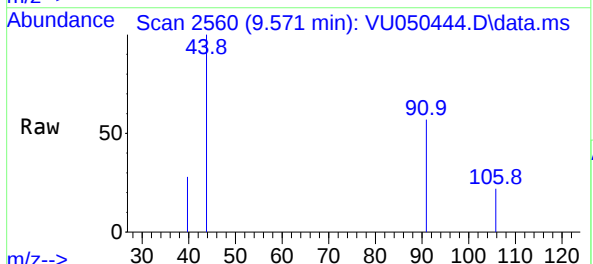
Acq: 25 Aug 2022 14:44

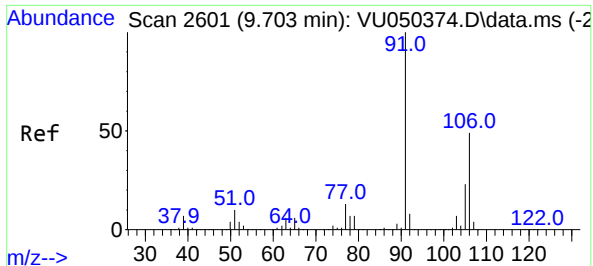
Tgt Ion: 91 Resp: 517

Ion Ratio Lower Upper

91 100

106 37.8 24.4 36.6#

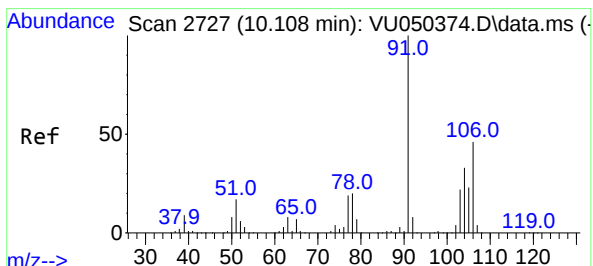
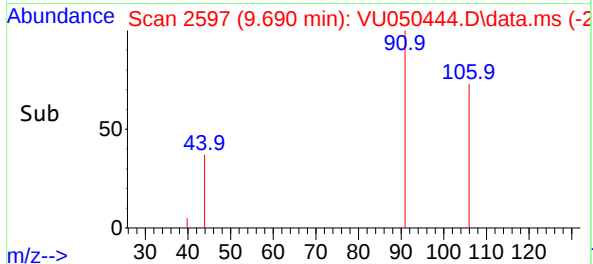
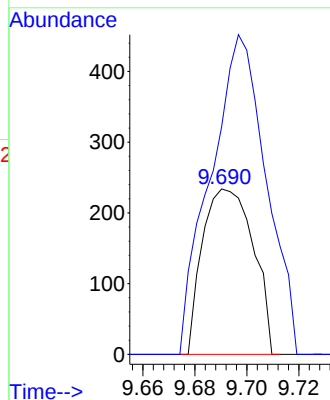
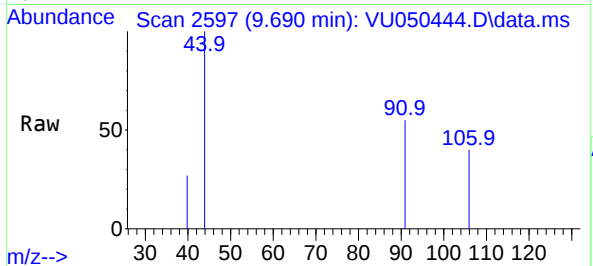




#64
m/p-Xylenes
Concen: 1.098 ug/l
RT: 9.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

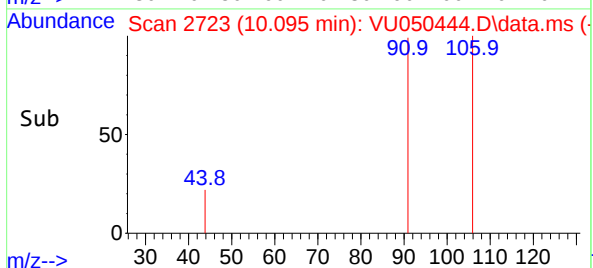
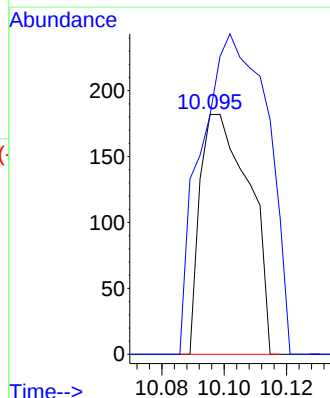
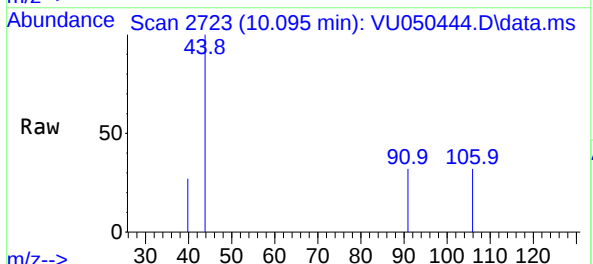
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2022

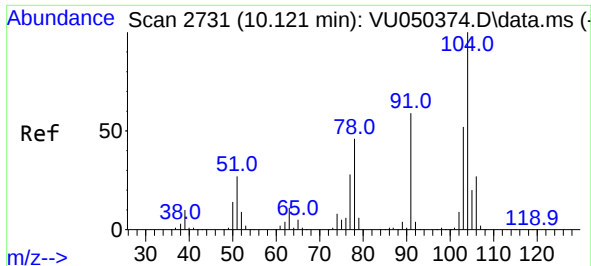
Tgt Ion:106 Resp: 317
Ion Ratio Lower Upper
106 100
91 212.3 167.8 251.6



#65
o-Xylene
Concen: 0.521 ug/l
RT: 10.095 min Scan# 2723
Delta R.T. -0.006 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion:106 Resp: 200
Ion Ratio Lower Upper
106 100
91 180.0 111.1 333.2

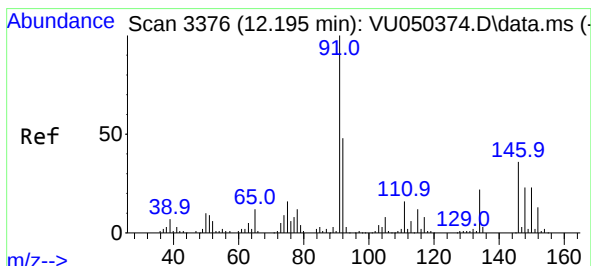
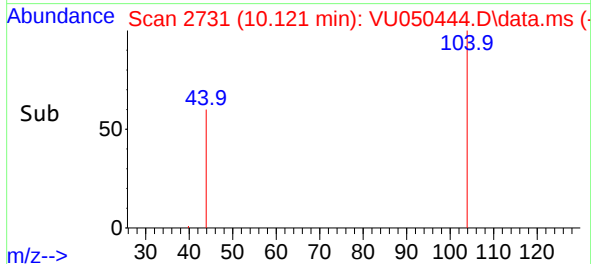
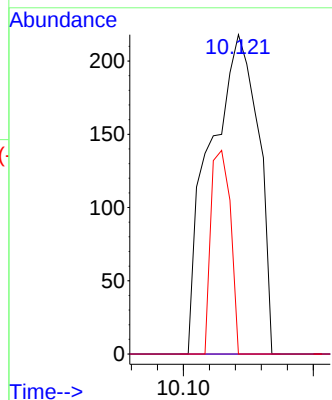
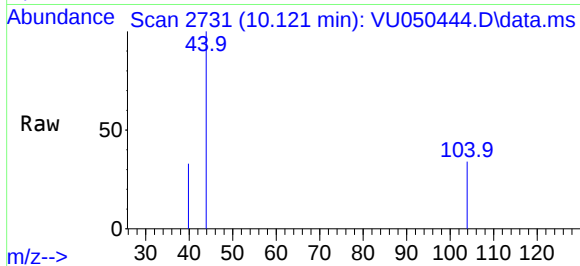




#66
Styrene
Concen: 0.608 ug/l
RT: 10.121 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

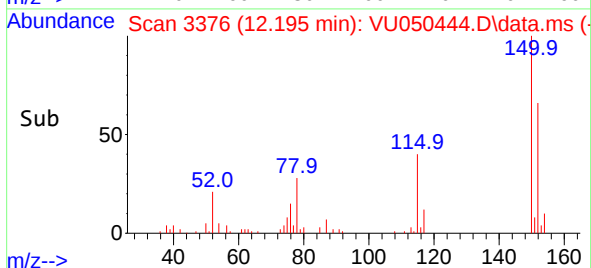
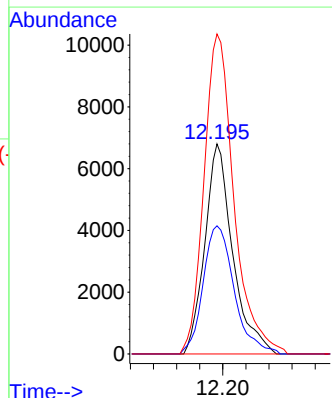
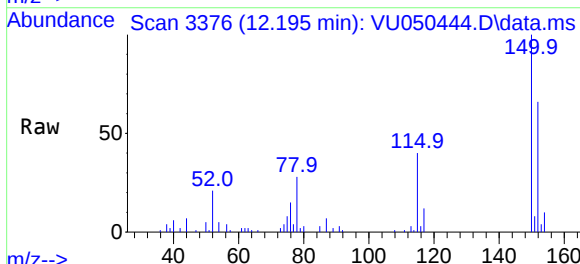
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

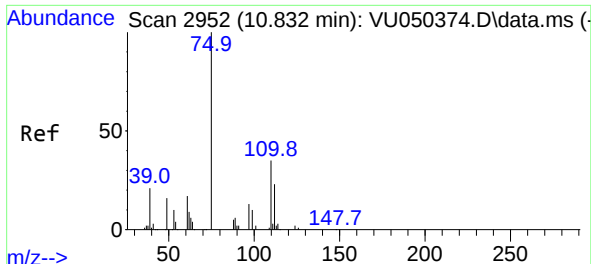
Tgt Ion:104 Resp: 281
Ion Ratio Lower Upper
104 100
78 0.0 42.1 63.1#
103 26.0 44.5 66.7#



#68
1,2-Dichlorobenzene-d4
Concen: 0.730 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion:152 Resp: 11419
Ion Ratio Lower Upper
152 100
115 67.8 0.0 254.6
150 163.5 0.0 623.6

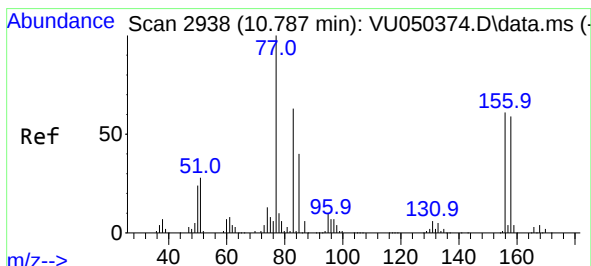
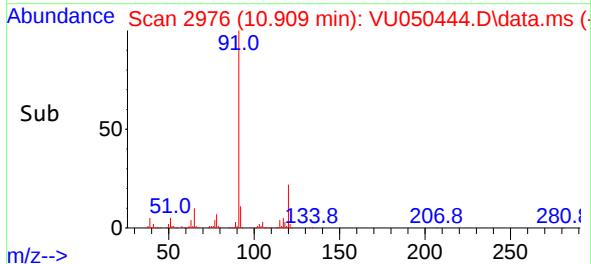
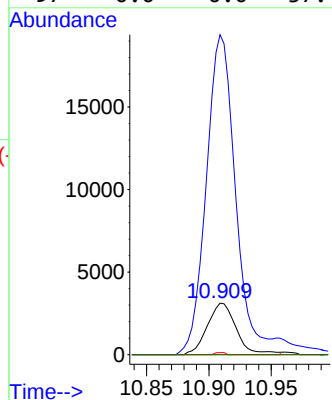
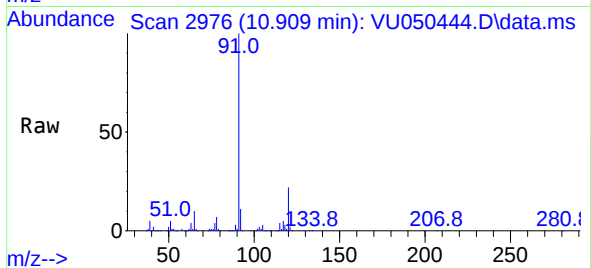




#71
1,2,3-Trichloropropane
Concen: 0.478 ug/l
RT: 10.909 min Scan# 2952
Delta R.T. 0.084 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

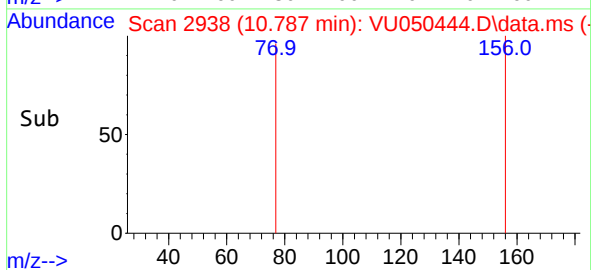
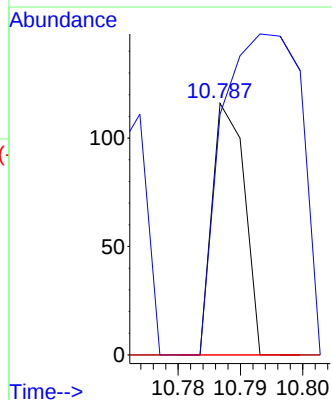
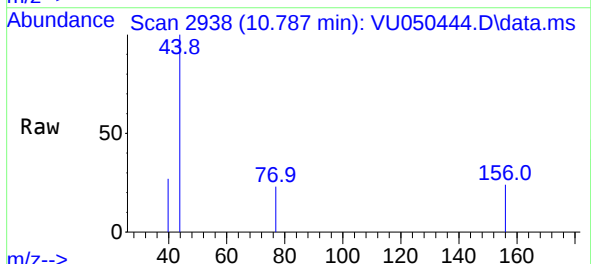
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

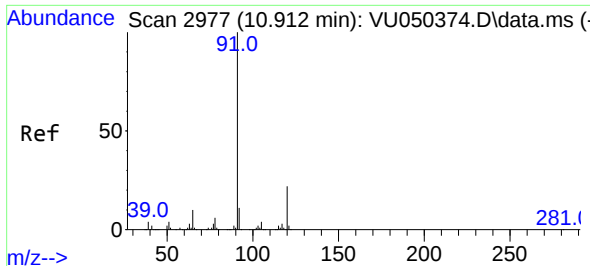
Tgt Ion:	75	Resp:	5046
Ion	Ratio	Lower	Upper
75	100		
77	623.8	0.0	112.4#
110	1.4	0.0	70.6
97	0.0	0.0	37.4



#72
Bromobenzene
Concen: 0.003 ug/l
RT: 10.787 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion:	156	Resp:	42
Ion	Ratio	Lower	Upper
156	100		
77	74940.5	0.0	344.4#
158	0.0	0.0	192.2

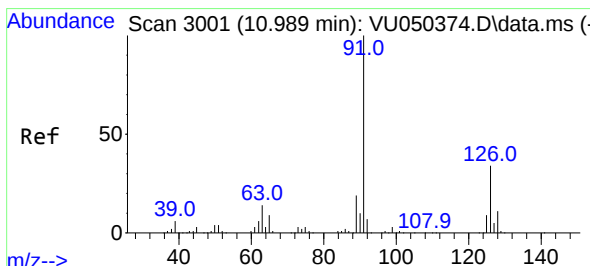
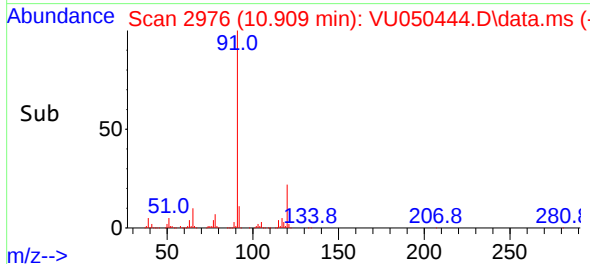
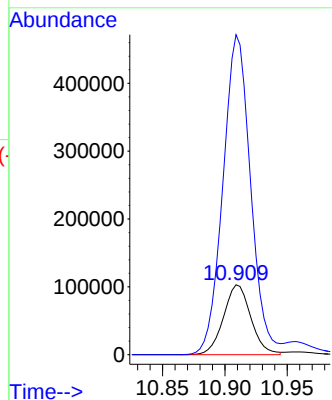
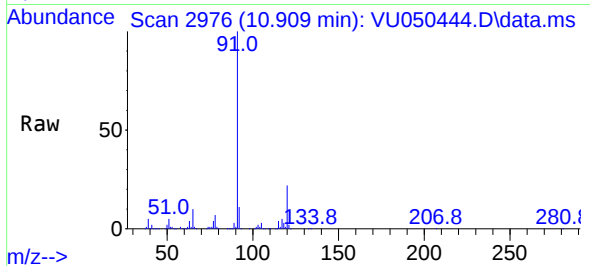




#73
n-propylbenzene
Concen: 10.245 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

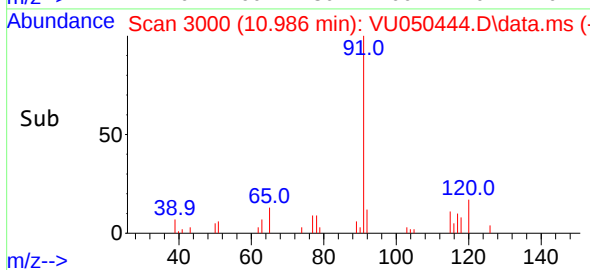
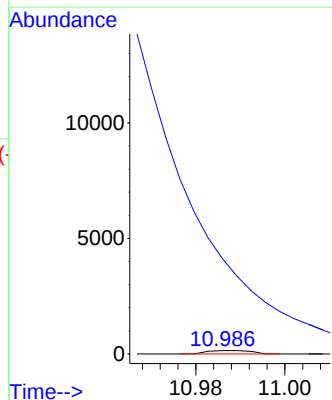
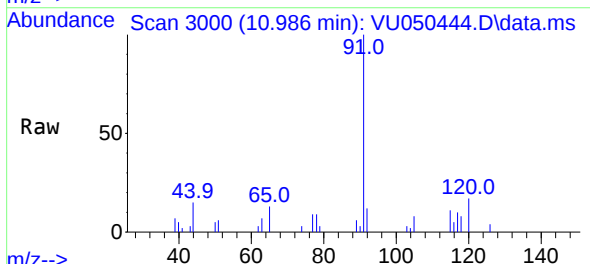
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

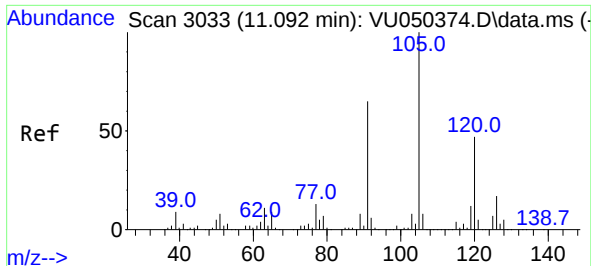
Tgt Ion:120 Resp: 157645
Ion Ratio Lower Upper
120 100
91 462.3 367.8 551.6



#74
2-Chlorotoluene
Concen: 0.397 ug/l
RT: 10.986 min Scan# 3000
Delta R.T. 0.000 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion:126 Resp: 101
Ion Ratio Lower Upper
126 100
91 721509.9 0.0 620.6#

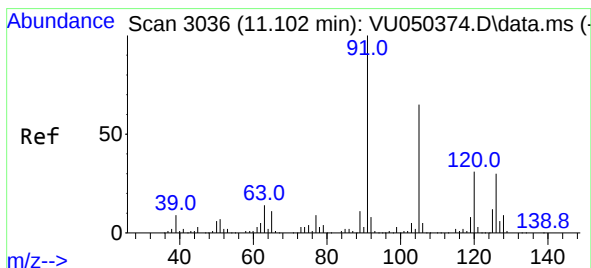
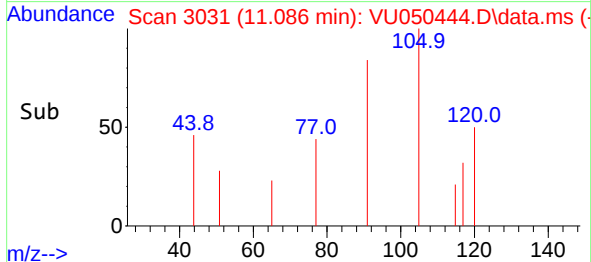
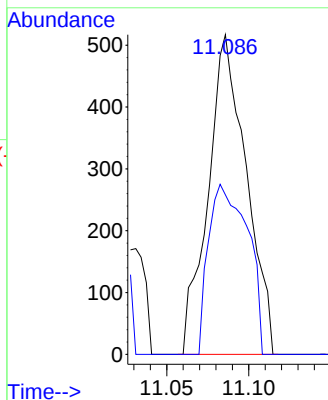
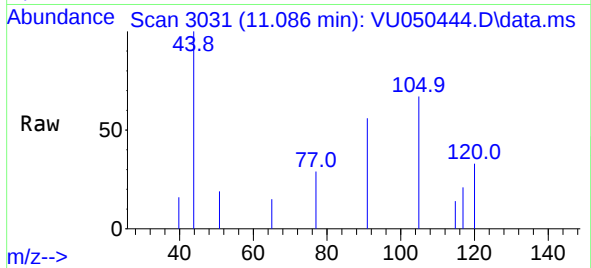




#75
1,3,5-Trimethylbenzene
Concen: 0.540 ug/l
RT: 11.086 min Scan# 3031
Delta R.T. -0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

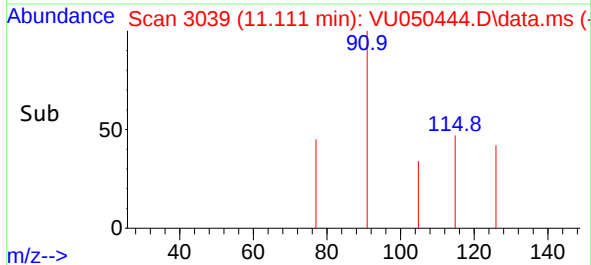
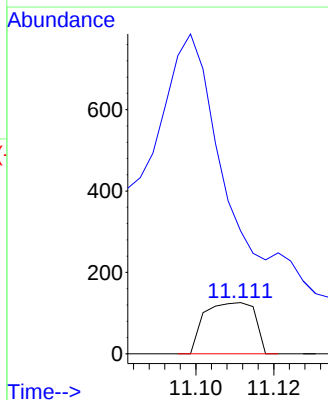
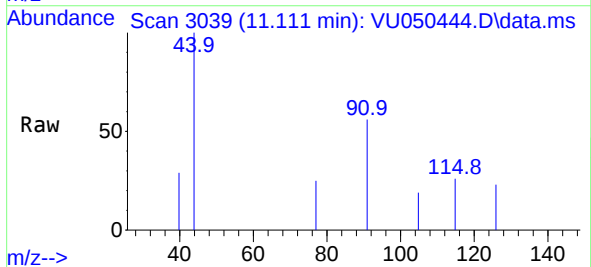
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

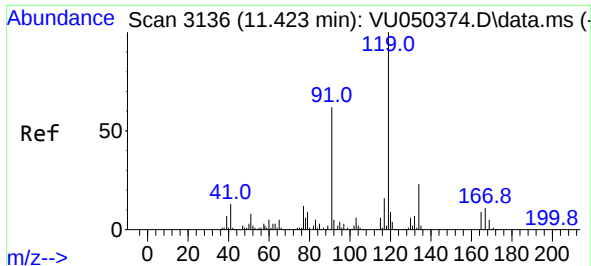
Tgt Ion:105 Resp: 839
Ion Ratio Lower Upper
105 100
120 0.0 37.6 56.4#



#76
4-Chlorotoluene
Concen: 0.409 ug/l
RT: 11.111 min Scan# 3039
Delta R.T. 0.013 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion:126 Resp: 113
Ion Ratio Lower Upper
126 100
91 0.0 0.0 738.8





#77

tert-Butylbenzene

Concen: 0.504 ug/l

RT: 11.417 min Scan# 3136

Delta R.T. -0.003 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2022

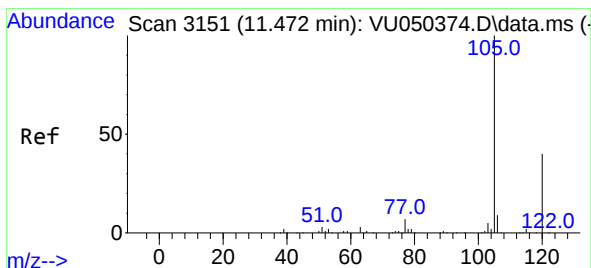
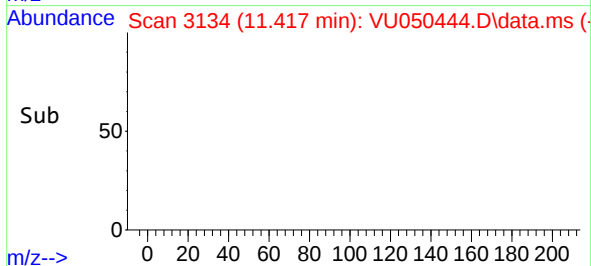
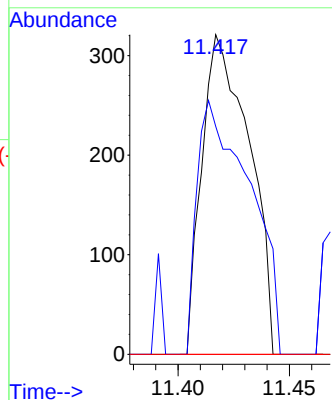
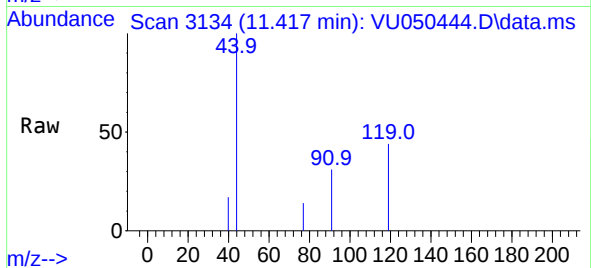
Tgt Ion:119 Resp: 473

Ion Ratio Lower Upper

119 100

91 0.0 30.4 91.3#

134 0.0 17.8 26.6#



#78

1,2,4-Trimethylbenzene

Concen: 0.583 ug/l

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050444.D

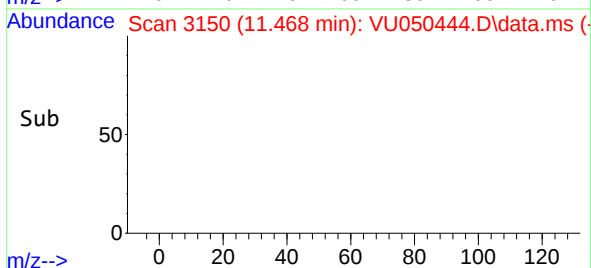
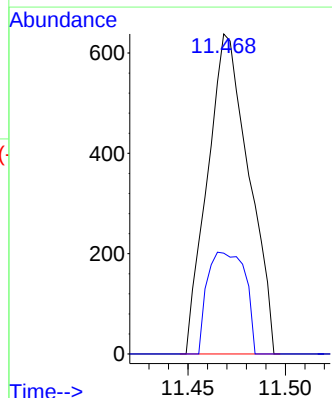
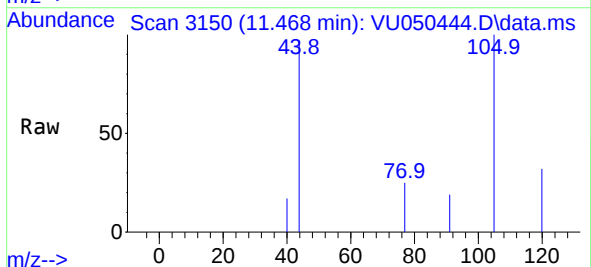
Acq: 25 Aug 2022 14:44

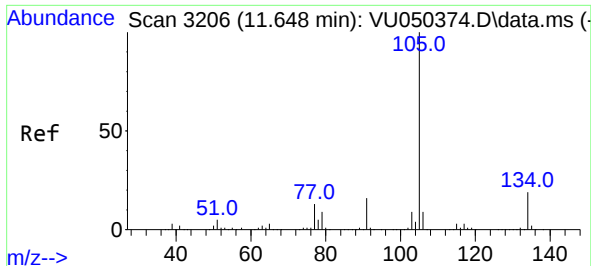
Tgt Ion:105 Resp: 940

Ion Ratio Lower Upper

105 100

120 29.0 21.6 65.0

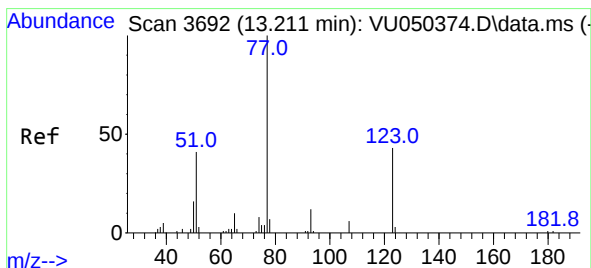
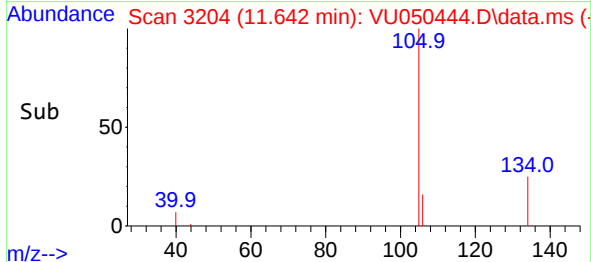
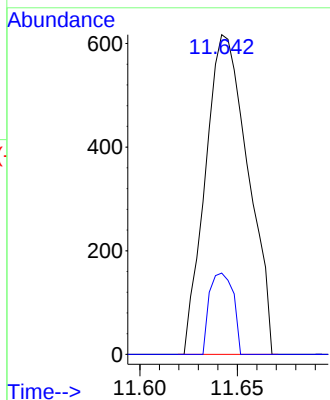
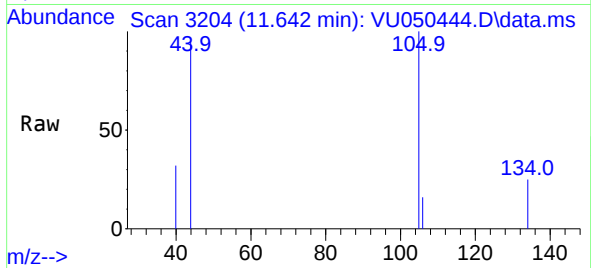




#79
 sec-Butylbenzene
 Concen: 0.563 ug/l
 RT: 11.642 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

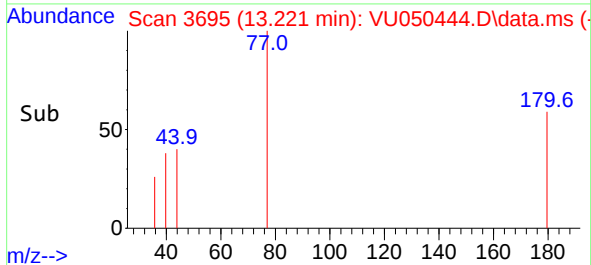
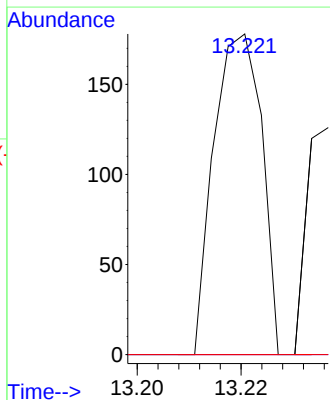
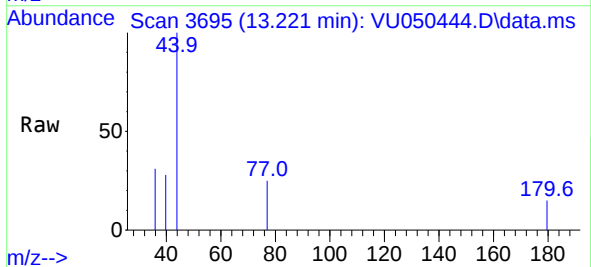
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2022

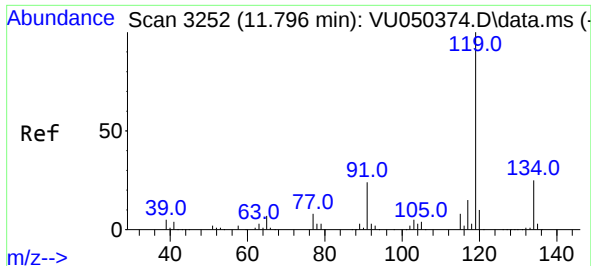
Tgt Ion:105 Resp: 942
 Ion Ratio Lower Upper
 105 100
 134 14.1 15.4 23.0#



#80
 Nitrobenzene
 Concen: 0.150 ug/l
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.013 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

Tgt Ion: 77 Resp: 114
 Ion Ratio Lower Upper
 77 100
 123 0.0 18.1 64.3#
 65 0.0 10.8 13.8#

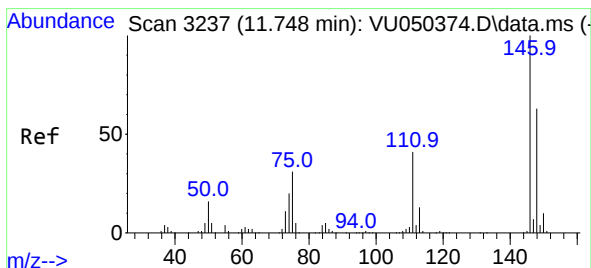
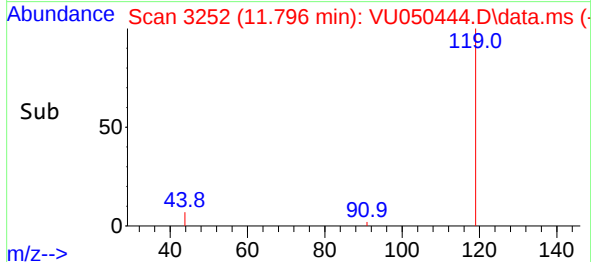
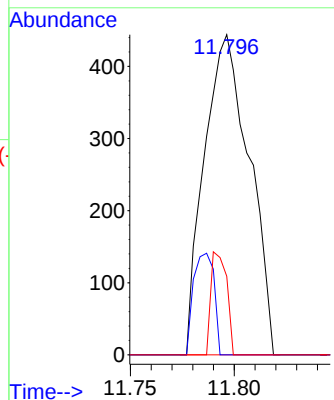
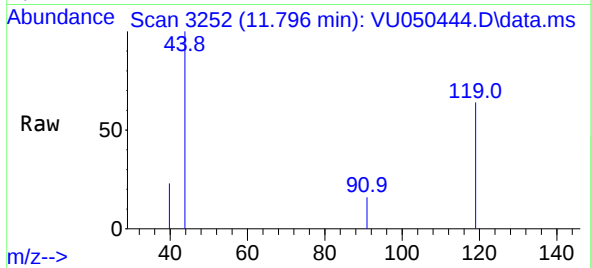




#81
 p-Isopropyltoluene
 Concen: 0.617 ug/l
 RT: 11.796 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

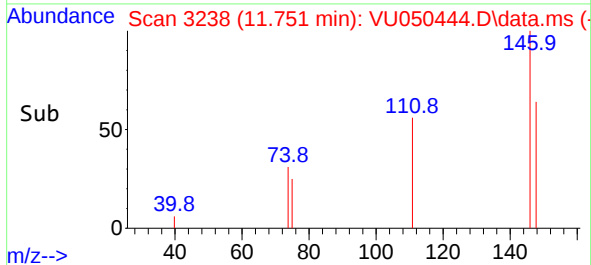
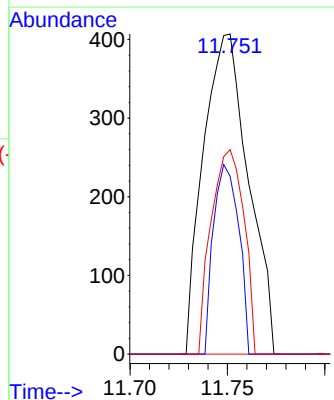
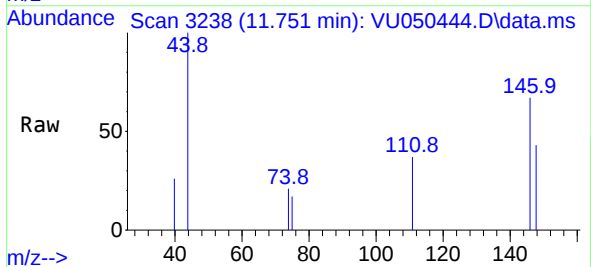
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2022

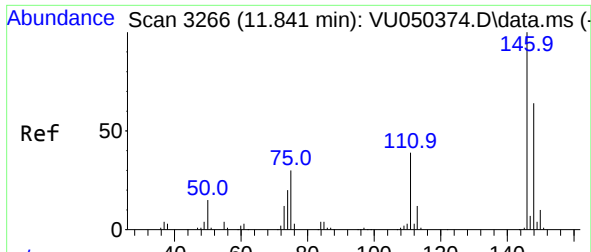
Tgt Ion:119 Resp: 668
 Ion Ratio Lower Upper
 119 100
 134 14.5 20.5 30.7#
 91 11.2 19.8 29.6#



#82
 1,3-Dichlorobenzene
 Concen: 0.026 ug/l
 RT: 11.751 min Scan# 3238
 Delta R.T. 0.007 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

Tgt Ion:146 Resp: 654
 Ion Ratio Lower Upper
 146 100
 111 33.2 33.4 50.2#
 148 46.3 51.2 76.8#





#83

1,4-Dichlorobenzene

Concen: 0.033 ug/l

RT: 11.838 min Scan# 3265

Delta R.T. 0.003 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2022

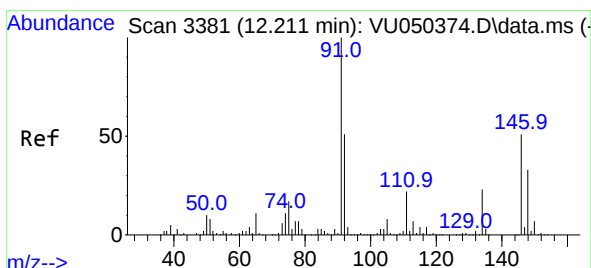
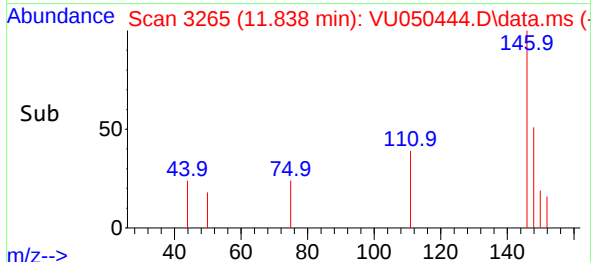
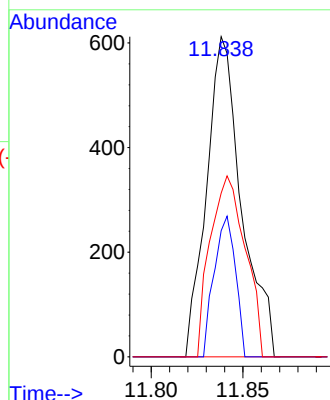
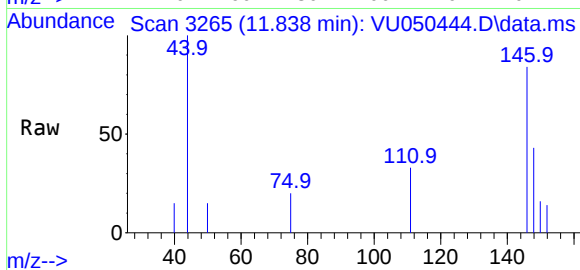
Tgt Ion:146 Resp: 813

Ion Ratio Lower Upper

146 100

111 26.4 32.6 49.0#

148 56.6 51.6 77.4



#84

n-Butylbenzene

Concen: 0.621 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050444.D

Acq: 25 Aug 2022 14:44

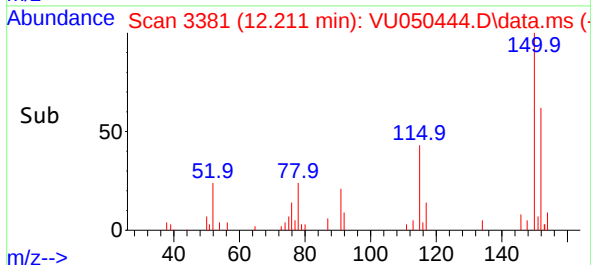
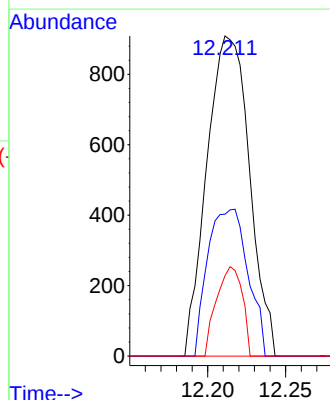
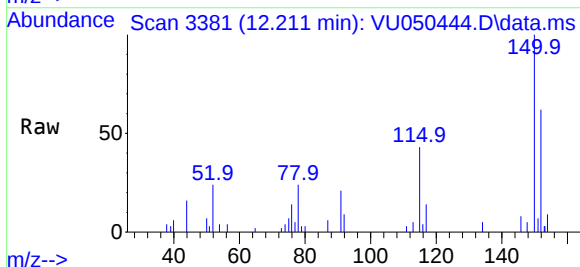
Tgt Ion: 91 Resp: 1727

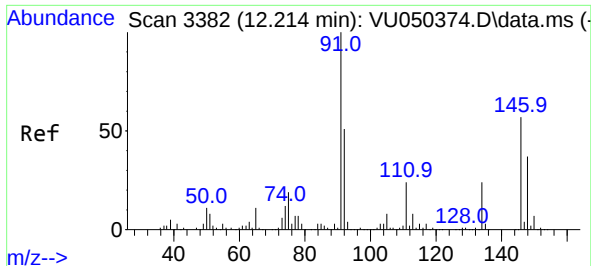
Ion Ratio Lower Upper

91 100

92 43.1 42.3 63.5

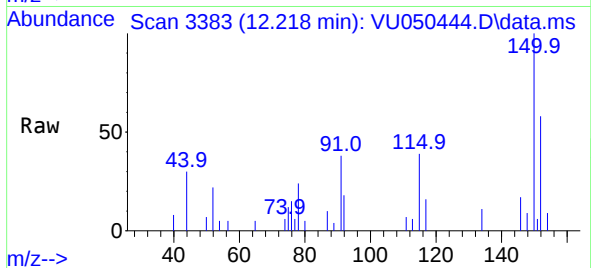
134 16.9 19.6 29.4#





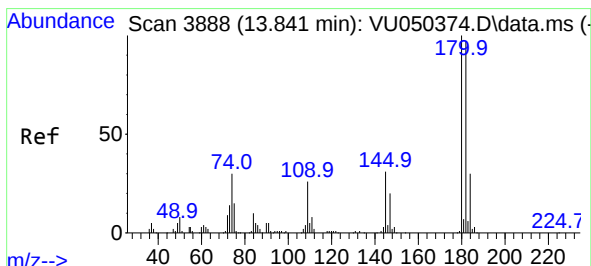
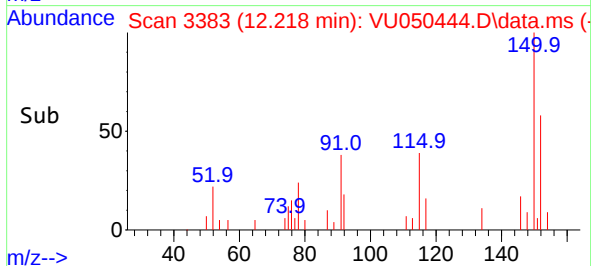
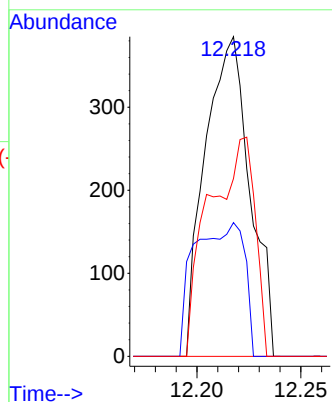
#85
 1,2-Dichlorobenzene
 Concen: 0.024 ug/l
 RT: 12.218 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2022



Tgt Ion:146 Resp: 576

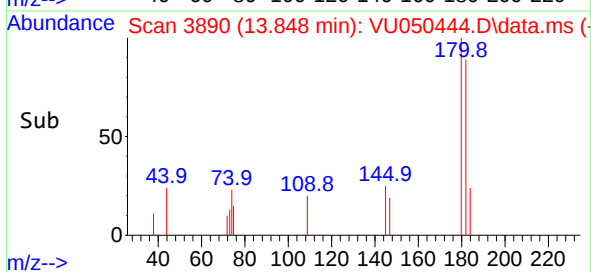
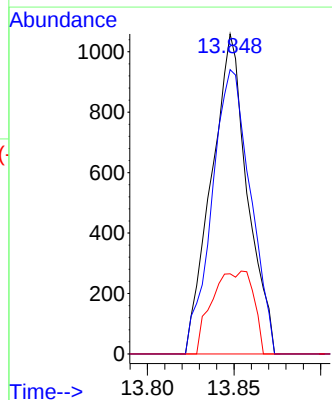
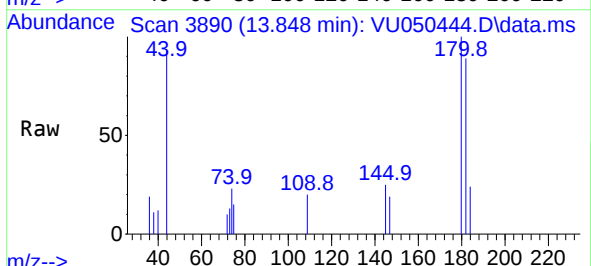
Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.1	66.1
148	69.6	32.1	96.3

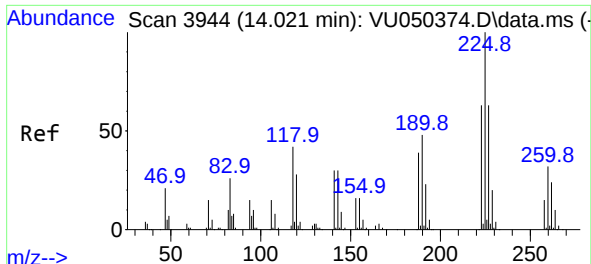


#87
 1,2,4-Trichlorobenzene
 Concen: 0.110 ug/l
 RT: 13.848 min Scan# 3890
 Delta R.T. 0.007 min
 Lab File: VU050444.D
 Acq: 25 Aug 2022 14:44

Tgt Ion:180 Resp: 1526

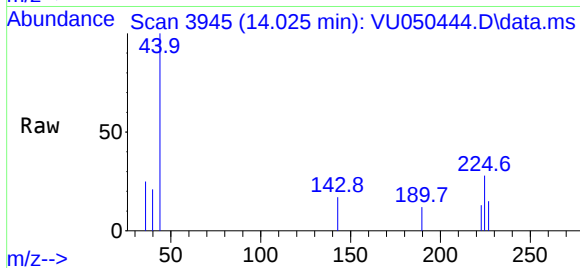
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.6
145	29.8	25.7	38.5



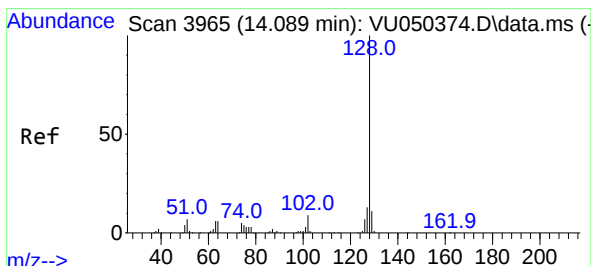
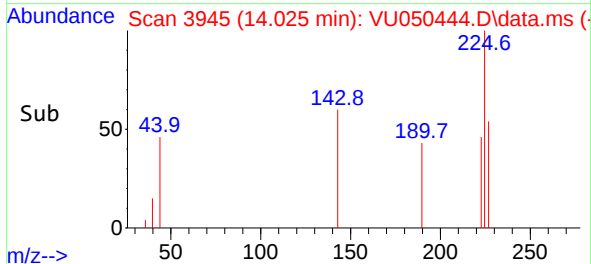
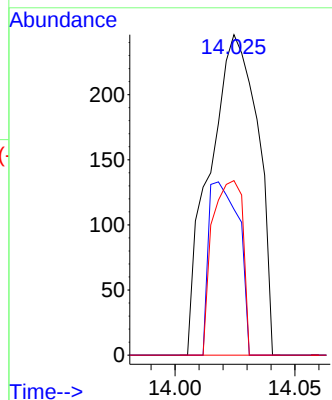


#88
Hexachlorobutadiene
Concen: 0.038 ug/l
RT: 14.025 min Scan# 3944
Delta R.T. 0.003 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2022

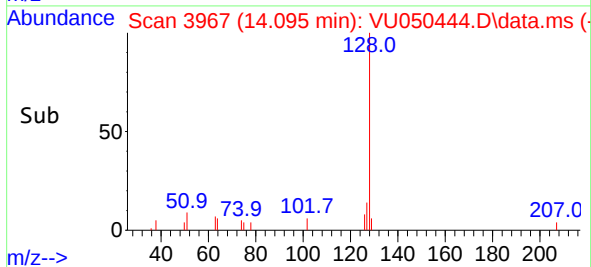
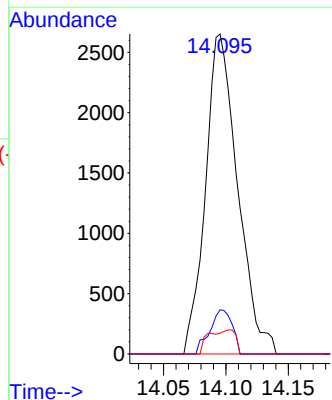
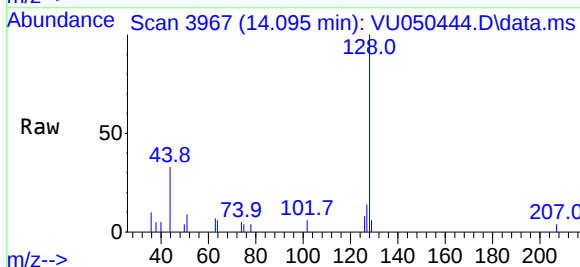


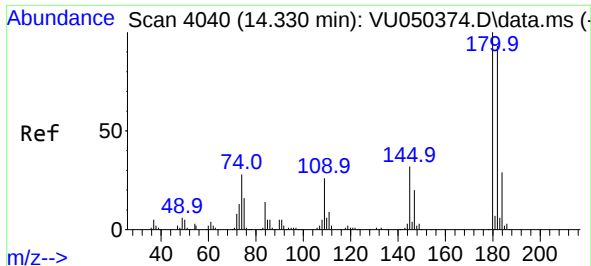
Tgt Ion:225 Resp: 344
Ion Ratio Lower Upper
225 100
223 33.7 50.6 76.0#
227 34.0 50.7 76.1#



#89
Naphthalene
Concen: 1.075 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.007 min
Lab File: VU050444.D
Acq: 25 Aug 2022 14:44

Tgt Ion:128 Resp: 4762
Ion Ratio Lower Upper
128 100
127 9.6 10.1 15.1#
129 6.3 8.6 12.8#





#90

1,2,3-Trichlorobenzene

Concen: 0.564 ug/l

RT: 14.336 min Scan# 4042

Delta R.T. 0.007 min

Lab File: VU050444.D

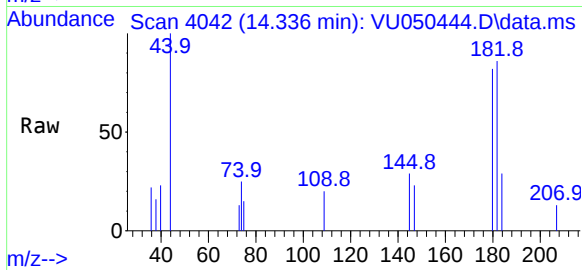
Acq: 25 Aug 2022 14:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2022



Tgt Ion:180 Resp: 1353

Ion Ratio Lower Upper

180 100

182 93.1 76.6 114.8

145 31.1 27.3 40.9

