

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050388.D
 Acq On : 20 Aug 2022 00:37
 Operator : SY/MD
 Sample : N3734-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS-UNREGULATED-VOCS

Quant Time: Aug 20 06:31:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Aug 19 15:06:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.128	96	34728	1.000	ug/l	# 0.02
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	13719	1.160	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	15527	1.111	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	165771	9.475	ug/l	100
5) Bromomethane	1.858	94	53724	8.782	ug/l	99
6) Chloroethane	1.932	64	268632	29.709	ug/l	99
7) Trichlorofluoromethane	2.137	101	819835	43.947	ug/l	100
9) 1,1-Dichloroethene	2.581	96	693	0.068	ug/l	72
10) Iodomethane	2.726	142	2980	0.353	ug/l	98
12) Acrylonitrile	3.407	53	11598	3.781	ug/l	# 31
13) Acetone	2.639	43	11957	5.573	ug/l	97
14) Carbon Disulfide	2.803	76	958	0.030	ug/l	# 39
15) Methylene Chloride	3.060	84	16505	1.193	ug/l	94
16) trans-1,2-Dichloroethene	3.369	96	84	0.008	ug/l	# 64
17) 1,1-Dichloroethane	3.896	63	213978	9.719	ug/l	98
18) 2-Butanone	4.809	43	124	0.037	ug/l	75
19) Cyclohexane	5.375	56	92	0.006	ug/l	# 19
21) 2,2-Dichloropropane	4.674	77	254140	15.188	ug/l	92
22) cis-1,2-Dichloroethene	4.681	96	2698	0.226	ug/l	# 1
23) Diethyl Ether	2.137	59	789	0.090	ug/l	# 81
24) tert-Butyl Alcohol	3.215	59	29949	32.227	ug/l	# 73
25) Methyl tert-Butyl Ether	3.407	73	987538	36.348	ug/l	95
26) Bromochloromethane	4.983	128	108534	22.619	ug/l	93
27) Chloroform	5.092	83	781	0.037	ug/l	67
28) 1,1,1-Trichloroethane	5.305	97	396	0.022	ug/l	75
29) 1,1-Dichloropropene	5.517	75	266127	18.248	ug/l	98
30) Carbon Tetrachloride	5.517	117	148	0.010	ug/l	# 71
31) Isopropyl Ether	3.973	45	211	0.006	ug/l	84
32) Ethyl-t-butyl ether	4.533	59	297	0.011	ug/l	90
34) Propionitrile	4.780	54	70	0.070	ug/l	# 2
35) Benzene	5.771	78	1389	0.032	ug/l	# 83
37) Trichloroethene	6.571	130	2033	0.198	ug/l	99
38) 1,2-Dichloropropane	6.825	63	294	0.026	ug/l	# 43
40) Methyl acrylate	4.758	55	46	0.007	ug/l	# 1
41) Tetrahydrofuran	5.079	42	231	0.113	ug/l	# 31
42) 1-Chlorobutane	5.478	56	20	0.001	ug/l	# 1
43) Dibromomethane	6.948	93	82926	13.369	ug/l	98
44) Bromodichloromethane	7.134	83	400	0.027	ug/l	# 97
45) 4-Methyl-2-Pentanone	7.832	43	1025	0.165	ug/l	# 47
46) t-1,4-Dichloro-2-butene	10.828	75	61901	16.735	ug/l	# 20
49) Toluene	7.983	92	1553	0.067	ug/l	94
50) t-1,3-Dichloropropene	8.230	75	224227	19.674	ug/l	99
51) cis-1,3-Dichloropropene	7.632	75	261993	20.080	ug/l	95
52) 1,1,2-Trichloroethane	8.420	97	495	0.054	ug/l	# 52
53) 1,3-Dichloropropane	8.591	76	223198	15.547	ug/l	99
54) 2-Hexanone	8.719	43	156	0.036	ug/l	# 31

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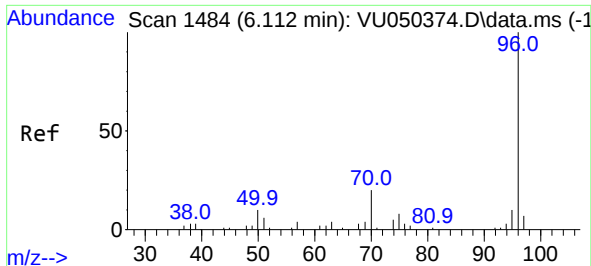
Instrument :
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

58) Tetrachloroethene	8.565	164	1724	0.178	ug/l	88
59) Chlorobenzene	9.459	112	703	0.028	ug/l #	83
60) 1,1,1,2-Tetrachloroethane	9.542	131	145775	13.954	ug/l	98
61) Pentachloroethane	11.423	117	27543	3.168	ug/l #	17
62) Hexachloroethane	12.475	117	2296	0.317	ug/l	97
63) Ethyl Benzene	9.581	91	1328	0.595	ug/l	100
64) m/p-Xylenes	9.703	106	730	1.119	ug/l	94
69) Isopropylbenzene	10.491	105	890077	23.298	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.787	83	192342	15.331	ug/l	98
71) 1,2,3-Trichloropropane	10.828	75	61901	6.561	ug/l	83
73) n-propylbenzene	10.912	120	78944	6.005	ug/l	98
75) 1,3,5-Trimethylbenzene	11.092	105	407975	9.323	ug/l	99
77) tert-Butylbenzene	11.423	119	384285	9.324	ug/l	92
78) 1,2,4-Trimethylbenzene	11.645	105	860138	18.223	ug/l #	40
79) sec-Butylbenzene	11.645	105	860138	14.905	ug/l	99
80) Nitrobenzene	13.250	77	41	0.060	ug/l #	42
81) p-Isopropyltoluene	11.796	119	414083	11.887	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	189867	8.593	ug/l	99
83) 1,4-Dichlorobenzene	11.748	146	189867	8.644	ug/l	100
84) n-Butylbenzene	12.211	91	550619	12.833	ug/l	98
87) 1,2,4-Trichlorobenzene	13.841	180	10058	0.812	ug/l	95
88) Hexachlorobutadiene	14.021	225	306736	38.028	ug/l	99
89) Naphthalene	14.092	128	8791	1.197	ug/l	97
90) 1,2,3-Trichlorobenzene	14.330	180	349908	21.270	ug/l	99

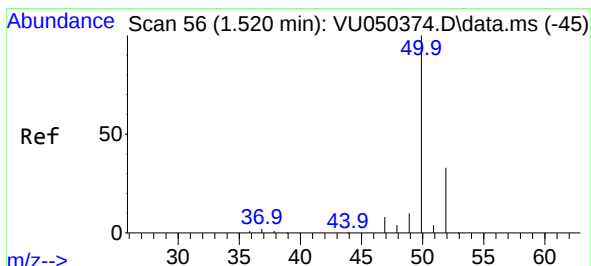
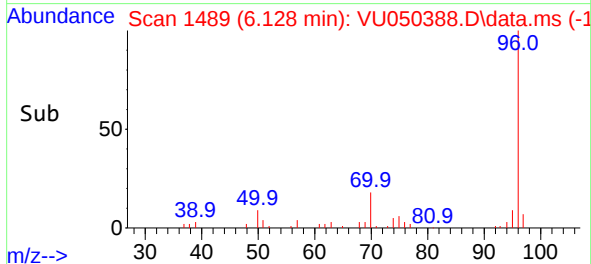
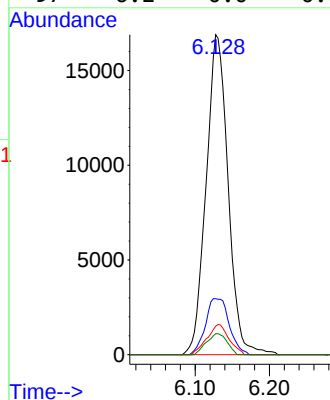
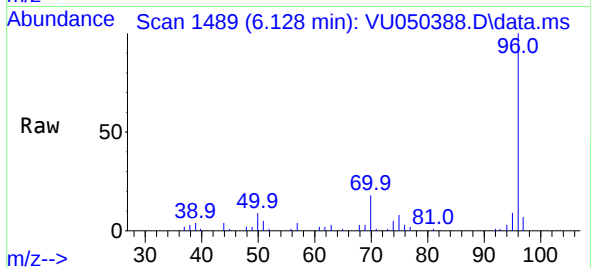
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.128 min Scan# 1484
Delta R.T. 0.016 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

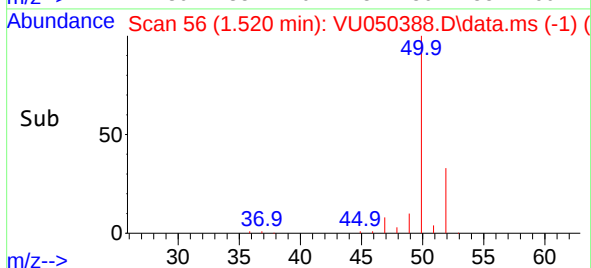
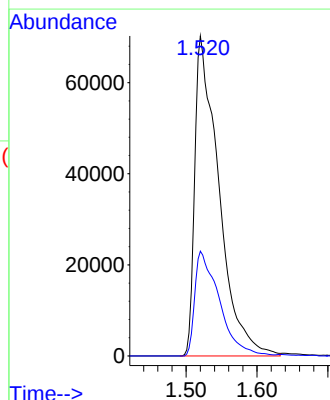
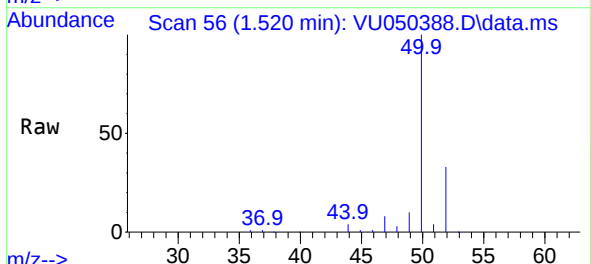
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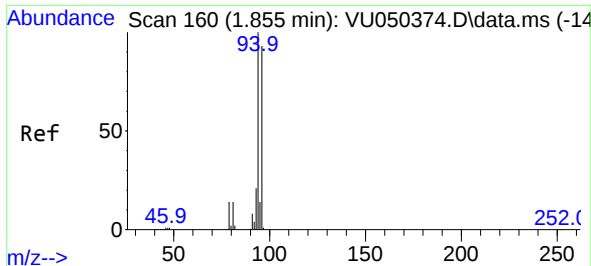
Tgt Ion: 96	Resp: 34728
Ion Ratio	Lower Upper
96 100	
70 18.9	16.7 25.1
95 9.4	7.4 11.0
97 6.2	0.0 0.0#



#3
Chloromethane
Concen: 9.475 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 50	Resp: 165771
Ion Ratio	Lower Upper
50 100	
52 32.7	26.1 39.1

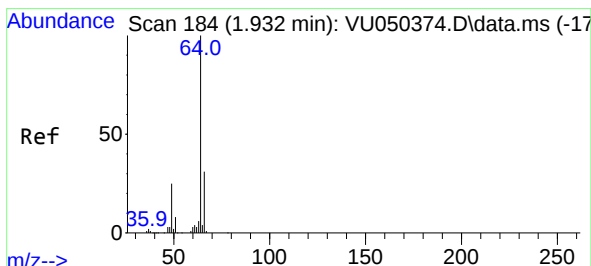
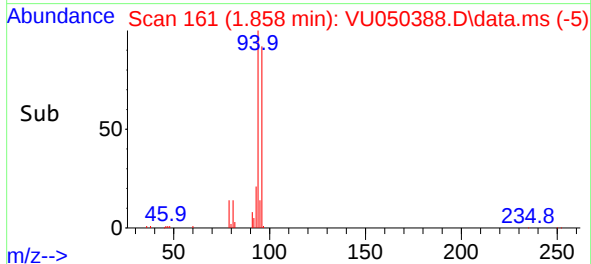
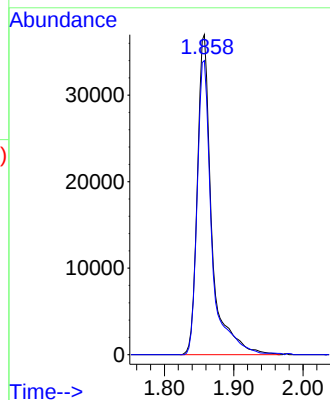
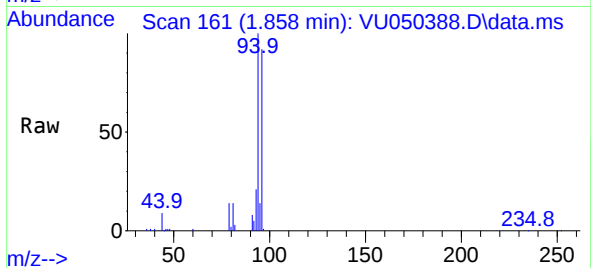




#5
Bromomethane
Concen: 8.782 ug/l
RT: 1.858 min Scan# 160
Delta R.T. 0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

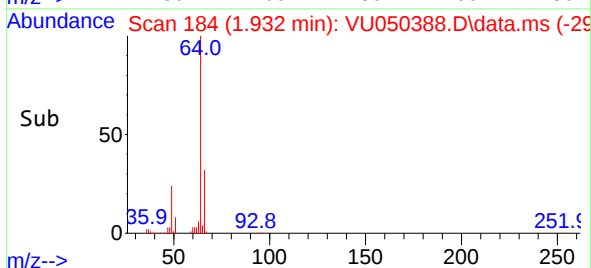
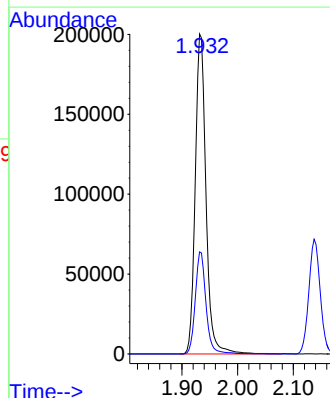
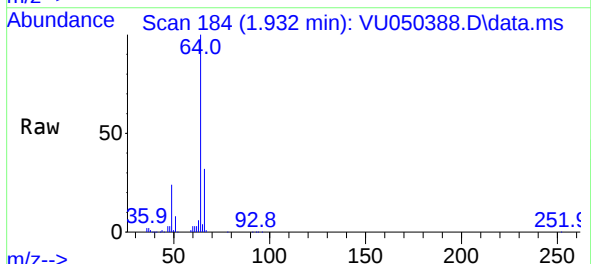
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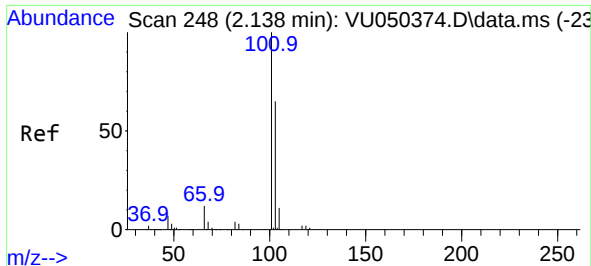
Tgt Ion: 94 Resp: 53724
Ion Ratio Lower Upper
94 100
96 91.9 73.0 109.6



#6
Chloroethane
Concen: 29.709 ug/l
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 64 Resp: 268632
Ion Ratio Lower Upper
64 100
66 31.9 25.8 38.6

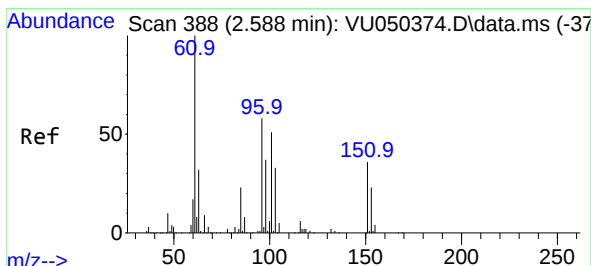
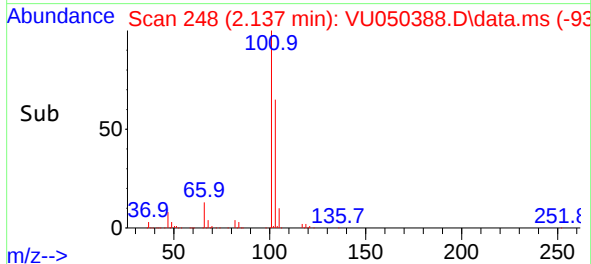
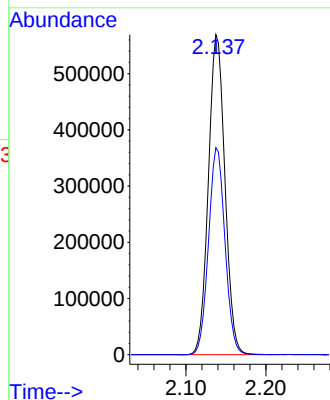
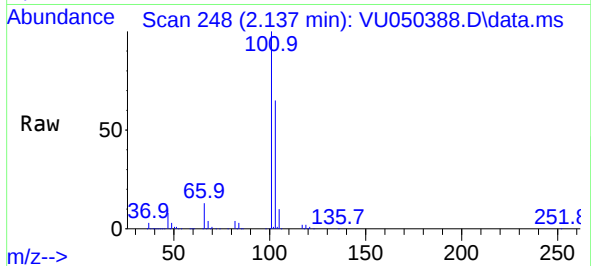




#7
 Trichlorofluoromethane
 Concen: 43.947 ug/l
 RT: 2.137 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: VU050388.D
 Acq: 20 Aug 2022 00:37

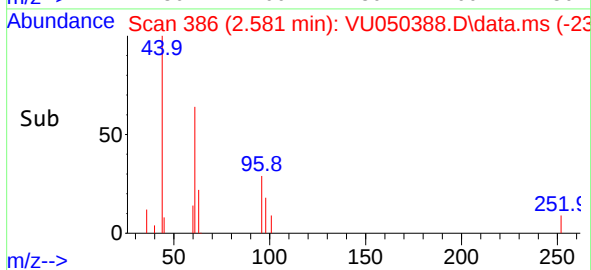
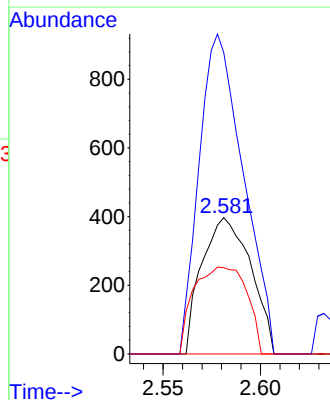
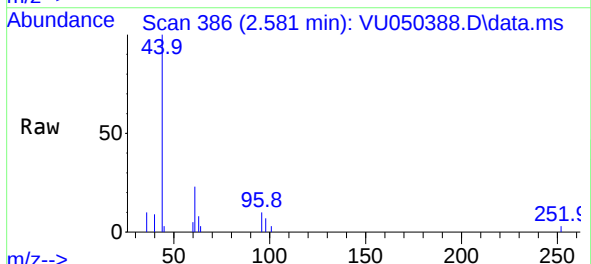
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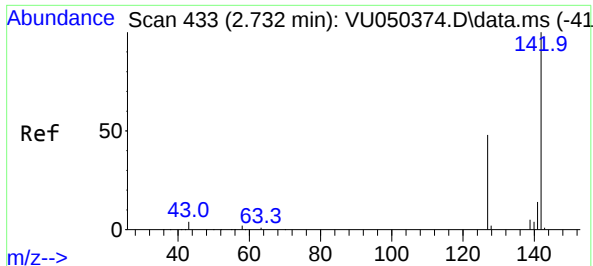
Tgt Ion:101 Resp: 819835
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.8 77.6



#9
 1,1-Dichloroethene
 Concen: 0.068 ug/l
 RT: 2.581 min Scan# 386
 Delta R.T. -0.007 min
 Lab File: VU050388.D
 Acq: 20 Aug 2022 00:37

Tgt Ion: 96 Resp: 693
 Ion Ratio Lower Upper
 96 100
 61 221.2 0.0 510.6
 98 63.2 0.0 124.6

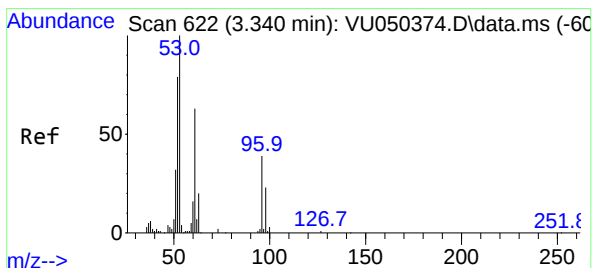
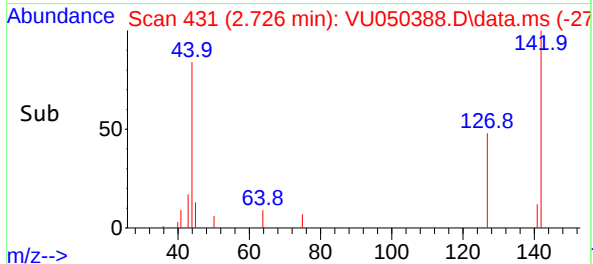
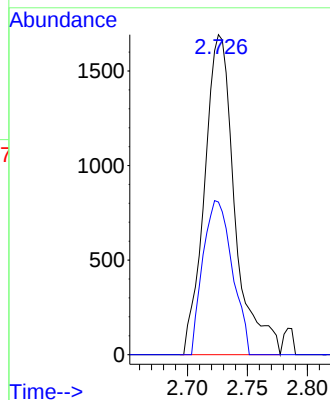
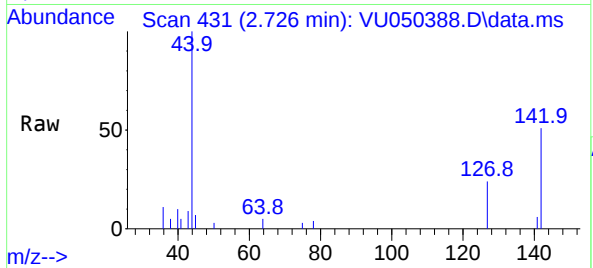




#10
Iodomethane
Concen: 0.353 ug/l
RT: 2.726 min Scan# 41
Delta R.T. -0.007 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

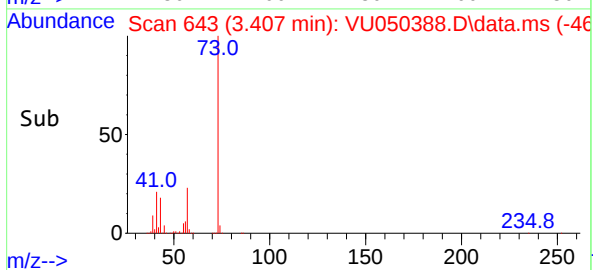
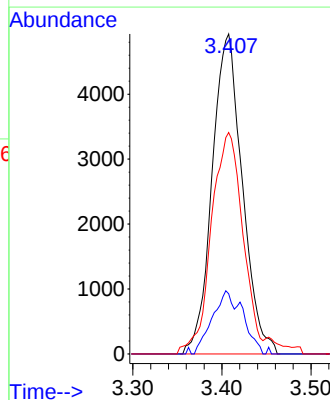
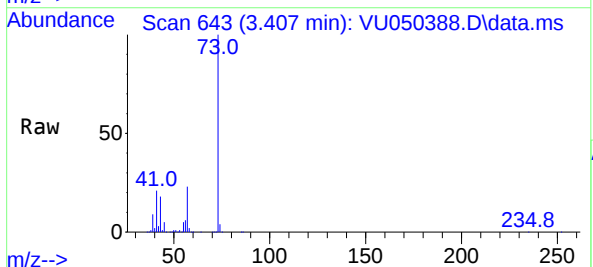
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WS-UNREGULATED-VOCS

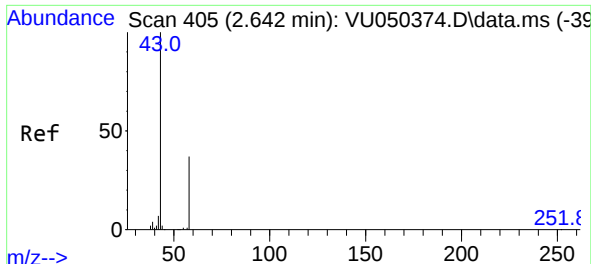
Tgt Ion:142 Resp: 2980
Ion Ratio Lower Upper
142 100
127 46.3 38.2 57.2



#12
Acrylonitrile
Concen: 3.781 ug/l
RT: 3.407 min Scan# 643
Delta R.T. 0.067 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 53 Resp: 11598
Ion Ratio Lower Upper
53 100
52 13.6 64.6 97.0#
51 72.1 30.7 46.1#

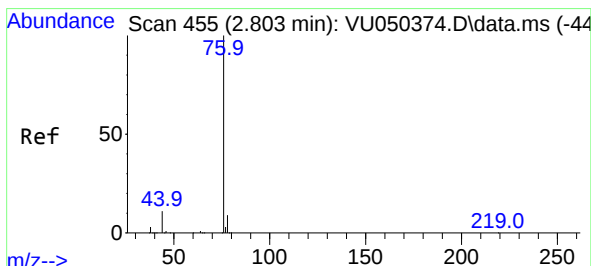
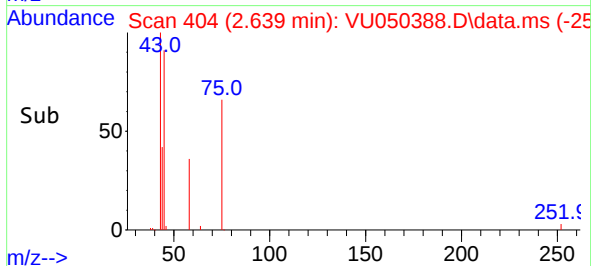
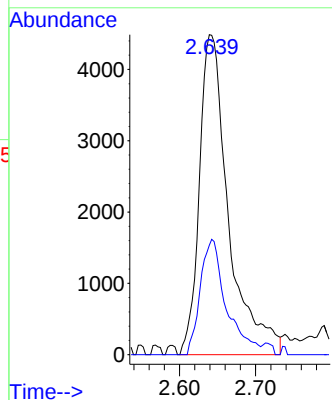
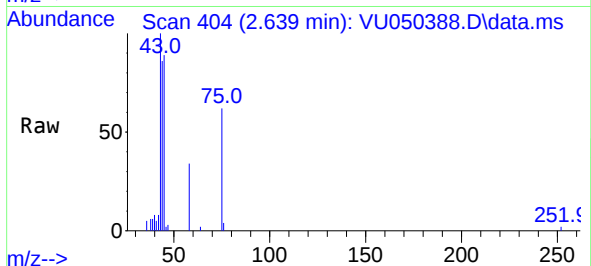




#13
Acetone
Concen: 5.573 ug/l
RT: 2.639 min Scan# 405
Delta R.T. -0.003 min
Lab File: VU050388.D
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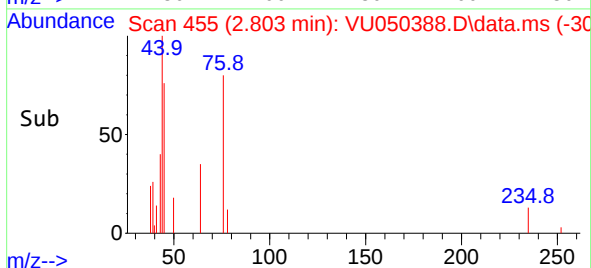
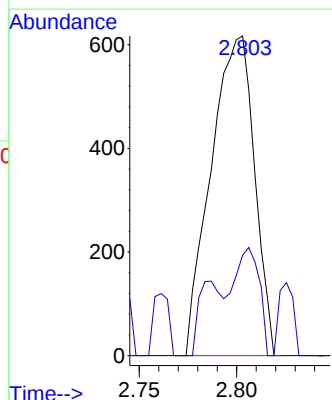
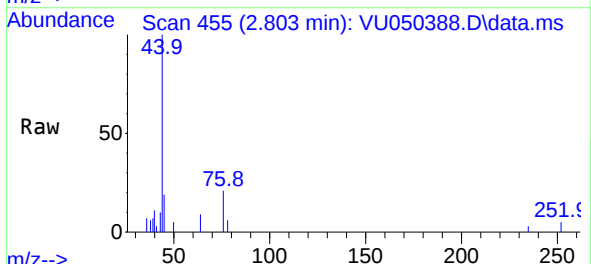
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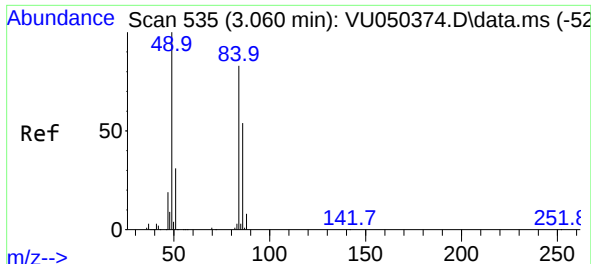
Tgt Ion: 43 Resp: 11957
Ion Ratio Lower Upper
43 100
58 34.2 26.2 39.2



#14
Carbon Disulfide
Concen: 0.030 ug/l
RT: 2.803 min Scan# 455
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 76 Resp: 958
Ion Ratio Lower Upper
76 100
78 31.4 7.4 11.0#



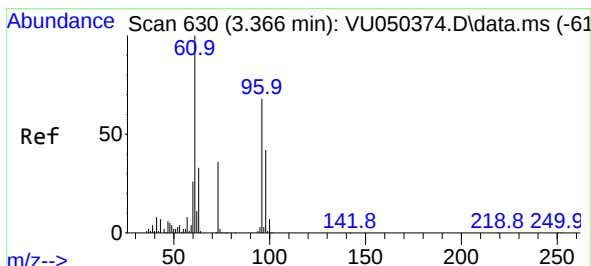
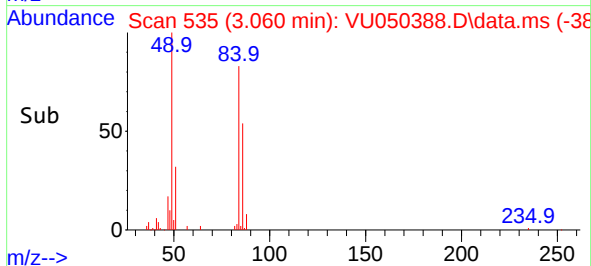
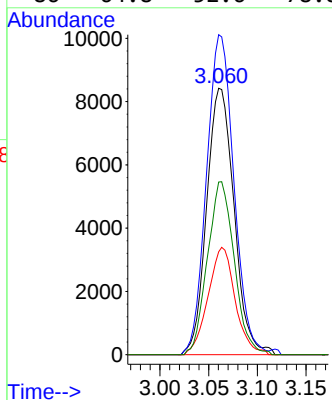
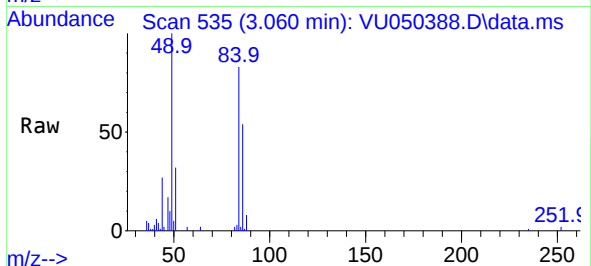


#15
Methylene Chloride
Concen: 1.193 ug/l
RT: 3.060 min Scan# 511
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

Tgt Ion: 84 Resp: 16505

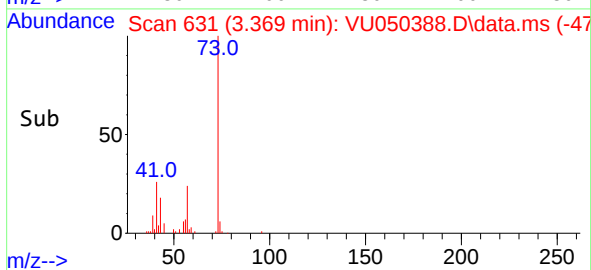
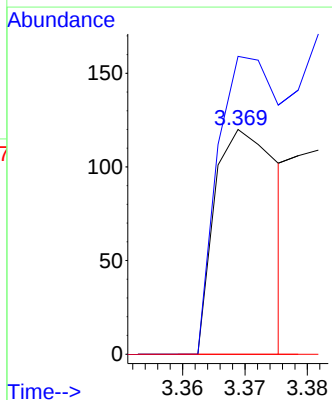
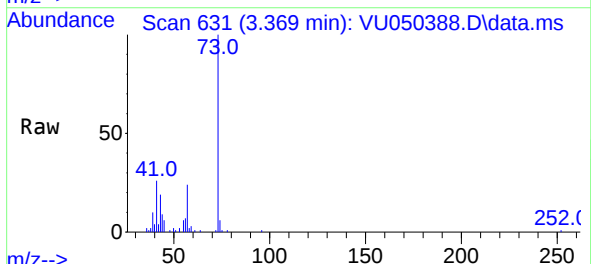
Ion	Ratio	Lower	Upper
84	100		
49	120.1	104.6	157.0
51	38.6	0.0	81.4
86	64.8	52.6	78.8

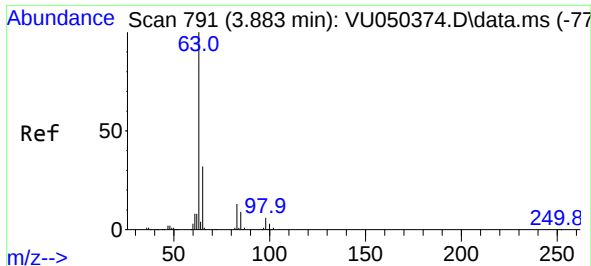


#16
trans-1,2-Dichloroethene
Concen: 0.008 ug/l
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 96 Resp: 84

Ion	Ratio	Lower	Upper
96	100		
61	132.5	123.4	185.0
98	0.0	51.6	77.4

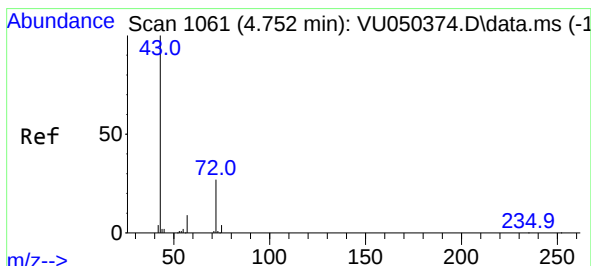
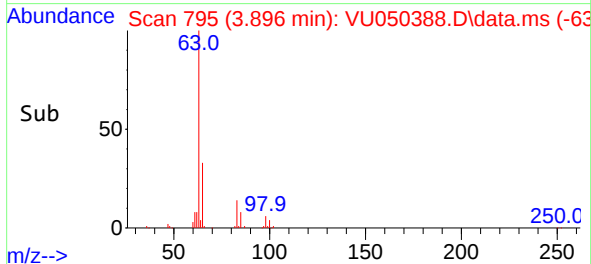
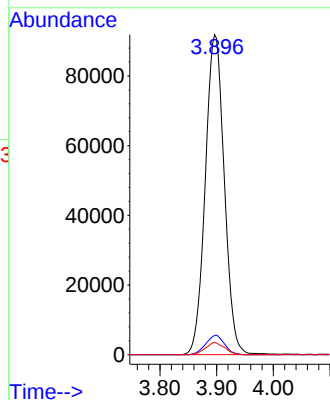
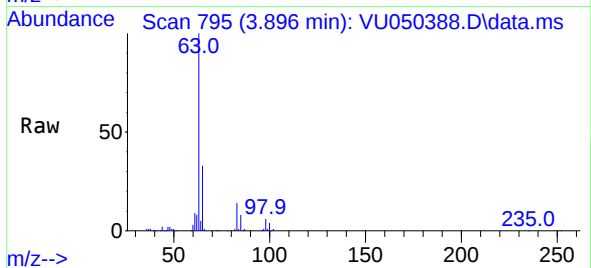




#17
1,1-Dichloroethane
Concen: 9.719 ug/l
RT: 3.896 min Scan# 791
Delta R.T. 0.013 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

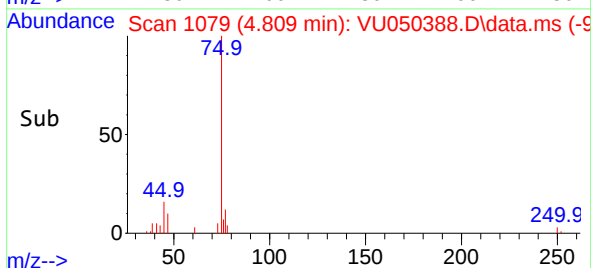
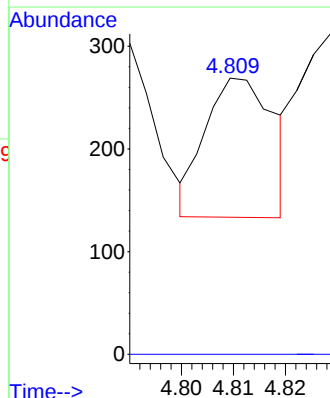
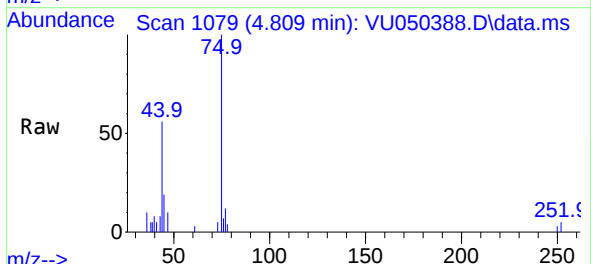
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

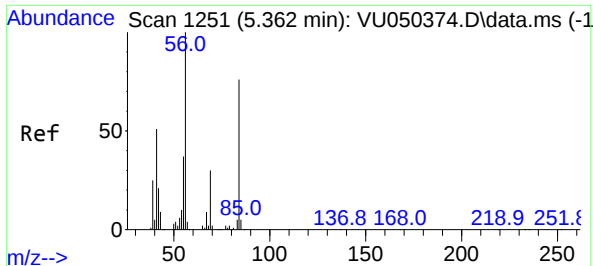
Tgt Ion: 63 Resp: 213978
Ion Ratio Lower Upper
63 100
98 6.0 3.4 10.2
100 3.8 2.0 6.0



#18
2-Butanone
Concen: 0.037 ug/l
RT: 4.809 min Scan# 1079
Delta R.T. 0.058 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
57 0.0 0.0 18.0





#19

Cyclohexane

Concen: 0.006 ug/l

RT: 5.375 min Scan# 11

Delta R.T. 0.013 min

Lab File: VU050388.D

Acq: 20 Aug 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

WS-UNREGULATED-VOCS

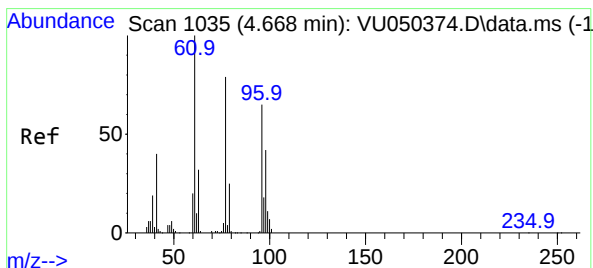
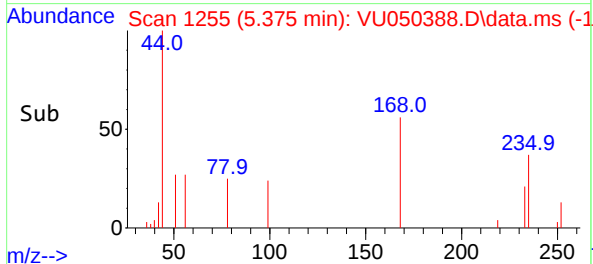
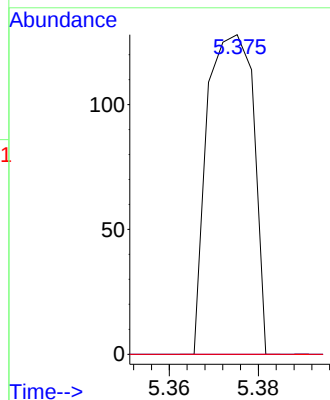
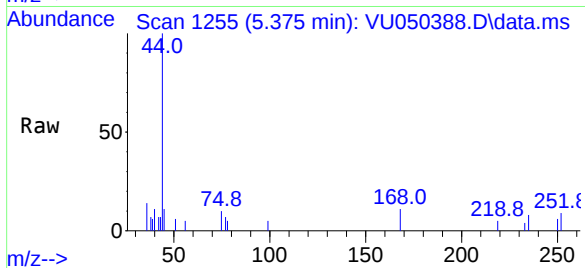
Tgt Ion: 56 Resp: 92

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: 15.188 ug/l

RT: 4.674 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VU050388.D

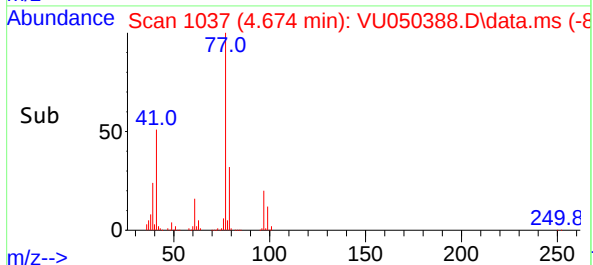
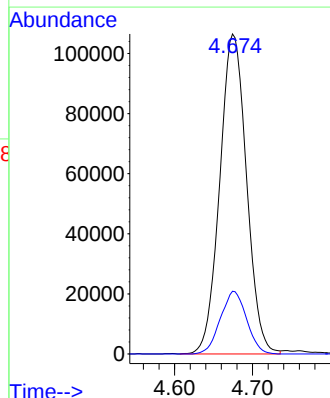
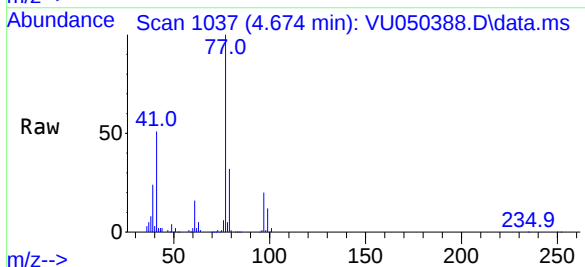
Acq: 20 Aug 2022 00:37

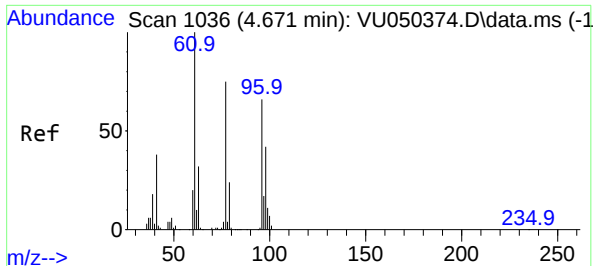
Tgt Ion: 77 Resp: 254140

Ion Ratio Lower Upper

77 100

97 19.2 18.5 27.7

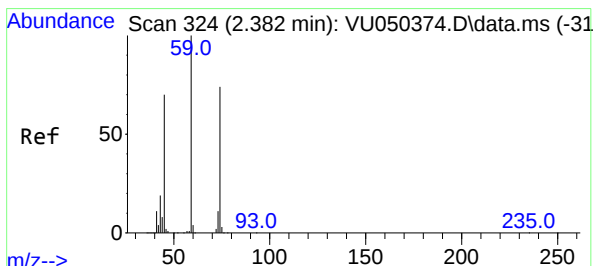
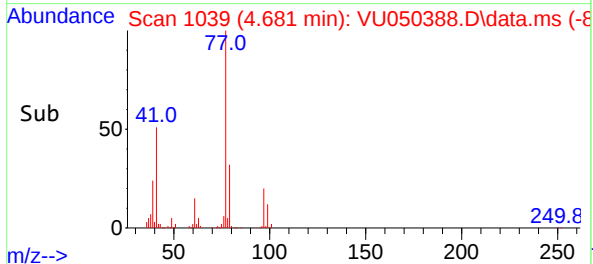
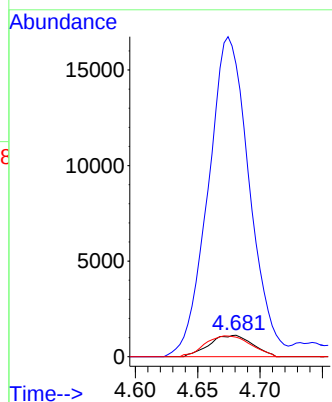
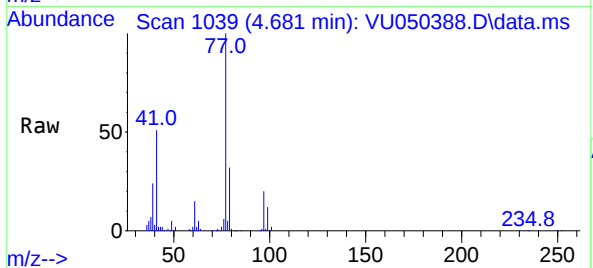




#22
cis-1,2-Dichloroethene
Concen: 0.226 ug/l
RT: 4.681 min Scan# 1036
Delta R.T. 0.010 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

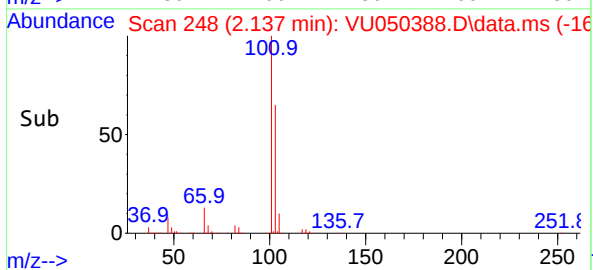
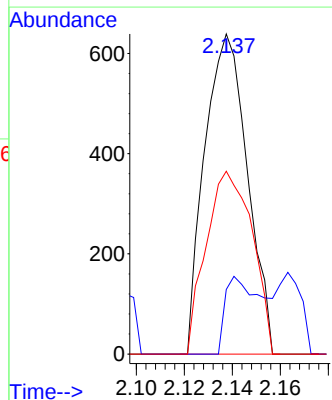
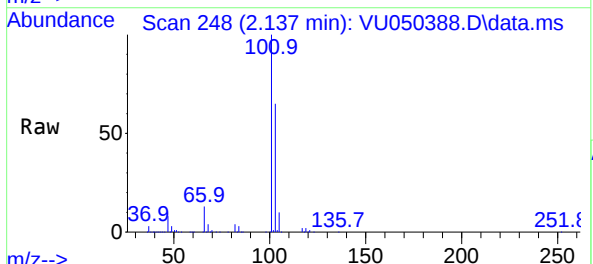
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

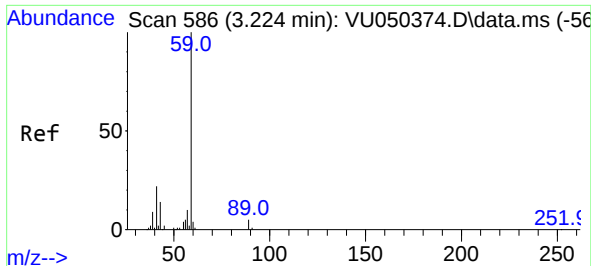
Tgt Ion: 96 Resp: 2698
Ion Ratio Lower Upper
96 100
61 1428.2 0.0 375.8#
98 102.4 31.6 95.0#



#23
Diethyl Ether
Concen: 0.090 ug/l
RT: 2.137 min Scan# 248
Delta R.T. -0.244 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 59 Resp: 789
Ion Ratio Lower Upper
59 100
45 48.8 56.0 84.0#
74 61.9 57.6 86.4

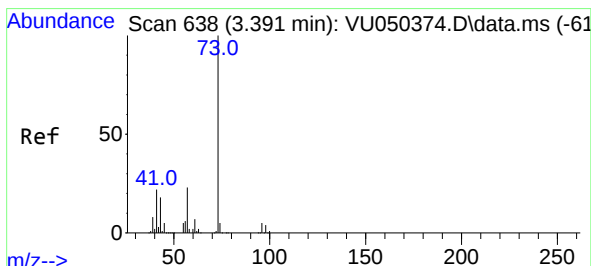
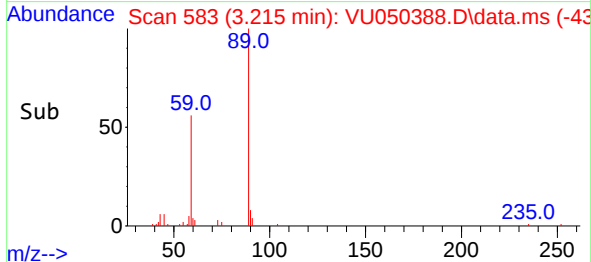
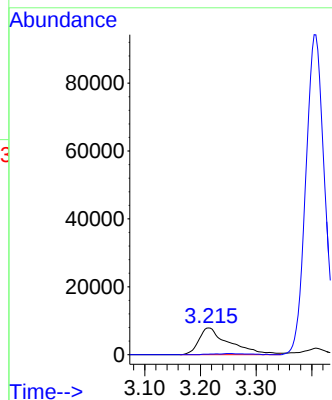
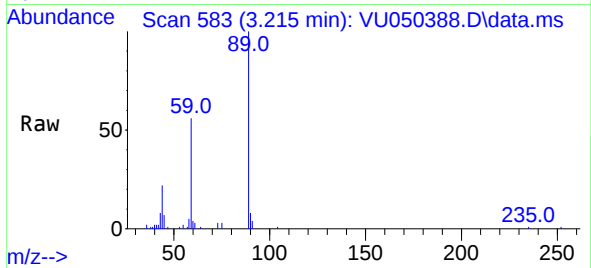




#24
tert-Butyl Alcohol
Concen: 32.227 ug/l
RT: 3.215 min Scan# 51
Delta R.T. -0.010 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

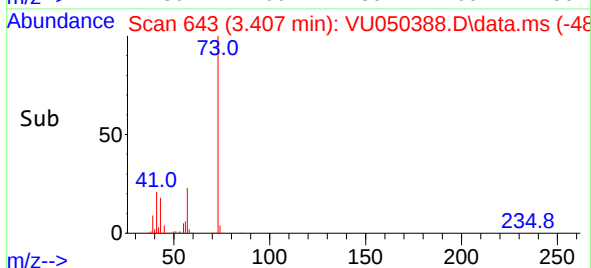
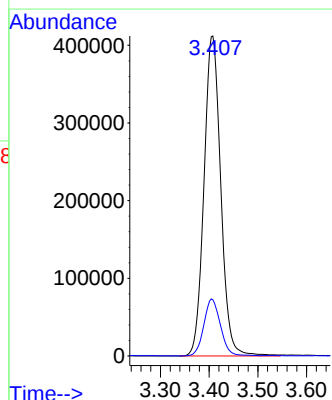
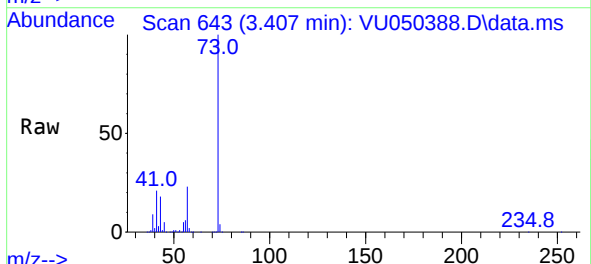
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

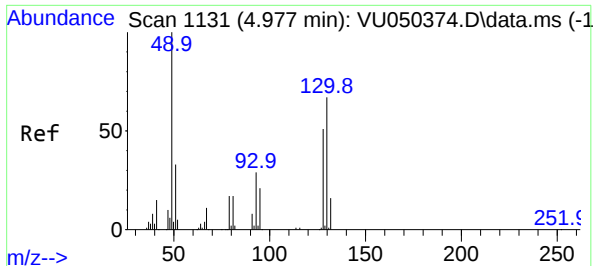
Tgt Ion: 59 Resp: 29949
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#25
Methyl tert-Butyl Ether
Concen: 36.348 ug/l
RT: 3.407 min Scan# 643
Delta R.T. 0.016 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 73 Resp: 987538
Ion Ratio Lower Upper
73 100
43 17.6 15.9 23.9

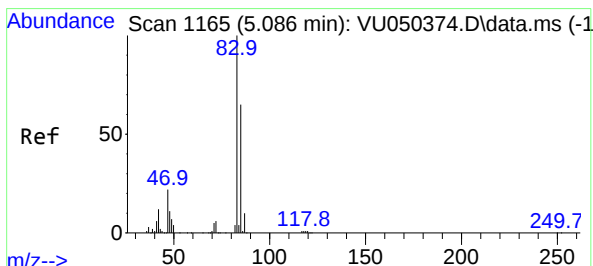
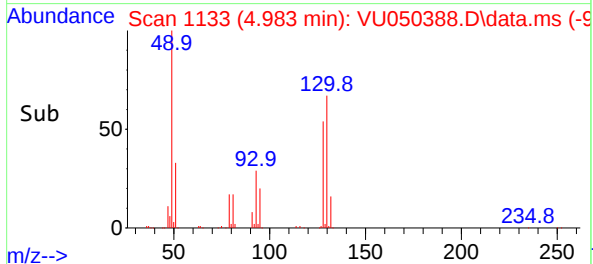
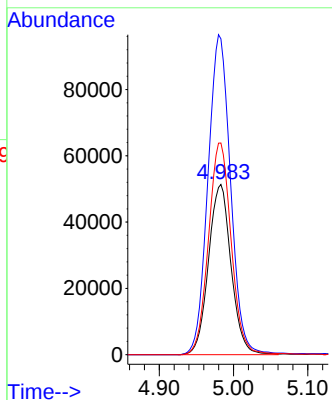
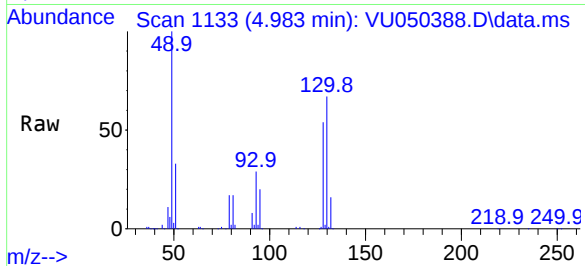




#26
Bromochloromethane
Concen: 22.619 ug/l
RT: 4.983 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

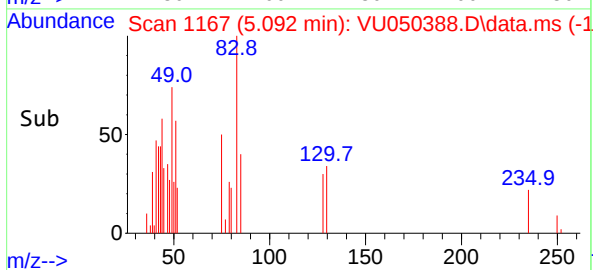
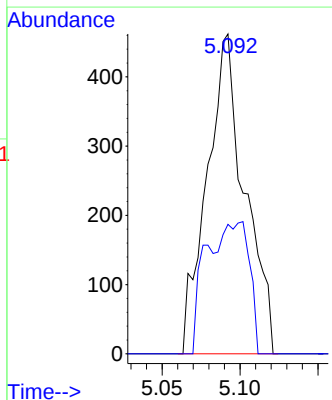
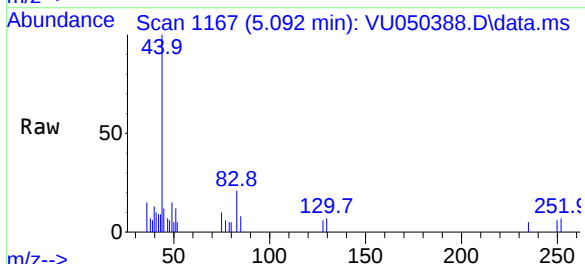
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

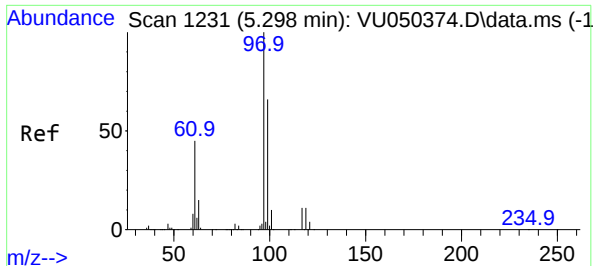
Tgt Ion:128 Resp: 108534
Ion Ratio Lower Upper
128 100
49 188.4 0.0 349.2
130 125.6 103.0 154.6



#27
Chloroform
Concen: 0.037 ug/l
RT: 5.092 min Scan# 1167
Delta R.T. 0.006 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 83 Resp: 781
Ion Ratio Lower Upper
83 100
85 40.5 0.0 133.6

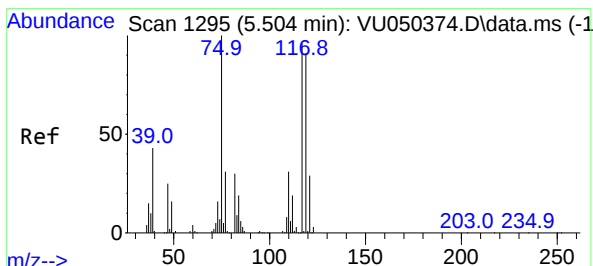
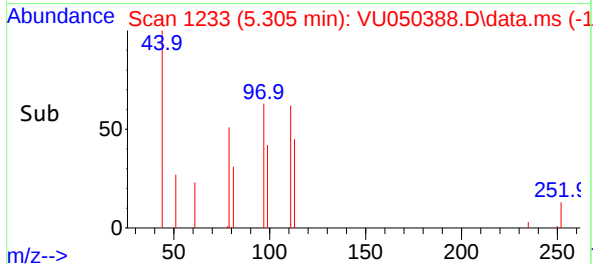
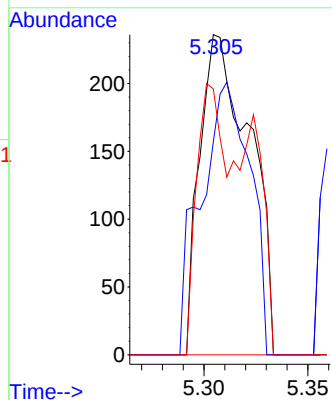
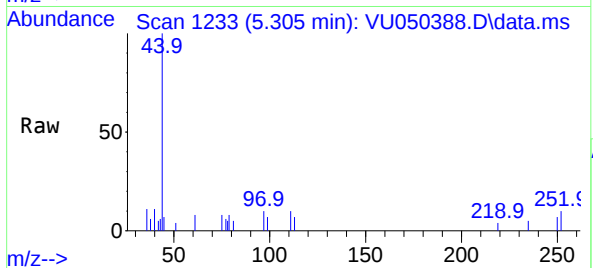




#28
1,1,1-Trichloroethane
Concen: 0.022 ug/l
RT: 5.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

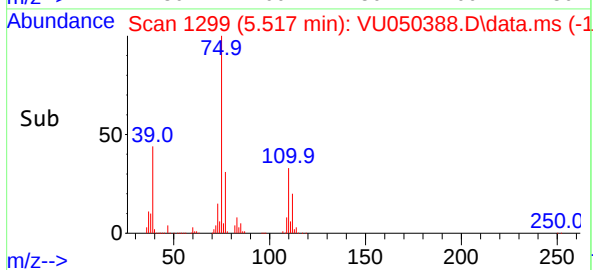
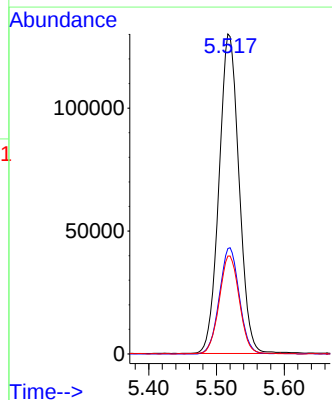
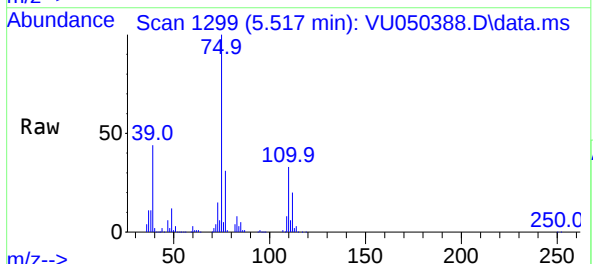
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

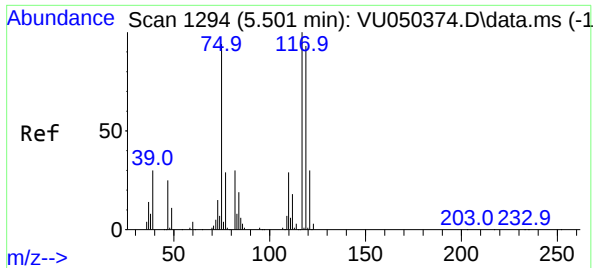
Tgt Ion: 97	Resp:	396
Ion Ratio	Lower	Upper
97	100	
99	83.6	32.1 96.5
61	59.8	21.8 65.4



#29
1,1-Dichloropropene
Concen: 18.248 ug/l
RT: 5.517 min Scan# 1299
Delta R.T. 0.013 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 75	Resp:	266127
Ion Ratio	Lower	Upper
75	100	
110	33.1	17.3 52.0
77	31.0	24.6 37.0

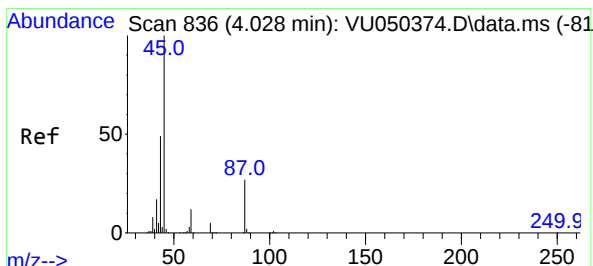
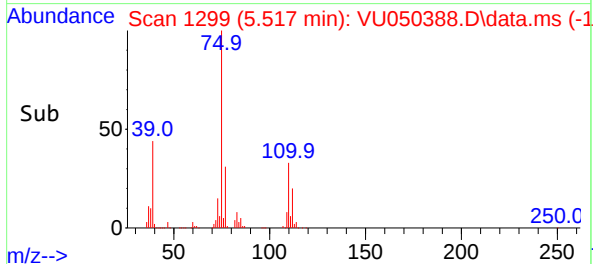
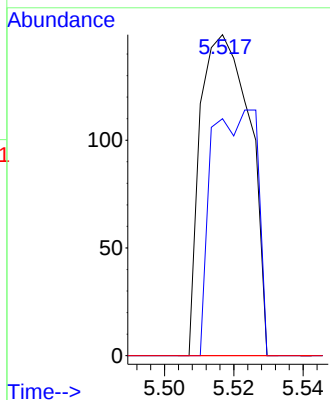
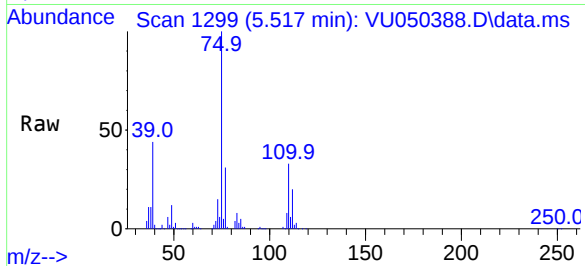




#30
Carbon Tetrachloride
Concen: 0.010 ug/l
RT: 5.517 min Scan# 117
Delta R.T. 0.016 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

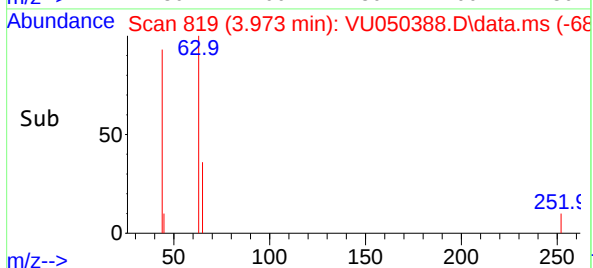
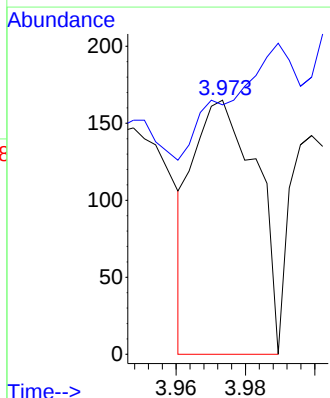
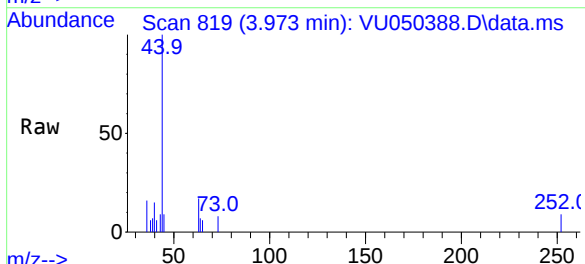
Instrument :
MSVOA_U
ClientSampleId :
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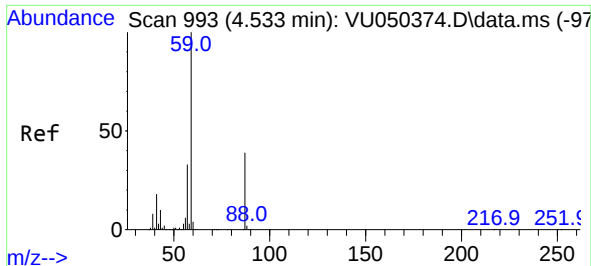
Tgt Ion:117 Resp: 148
Ion Ratio Lower Upper
117 100
119 73.8 74.6 112.0#
121 0.0 24.2 36.4#



#31
Isopropyl Ether
Concen: 0.006 ug/l
RT: 3.973 min Scan# 819
Delta R.T. -0.055 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 45 Resp: 211
Ion Ratio Lower Upper
45 100
43 37.0 23.8 71.2

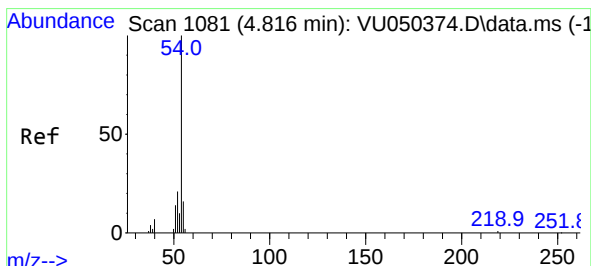
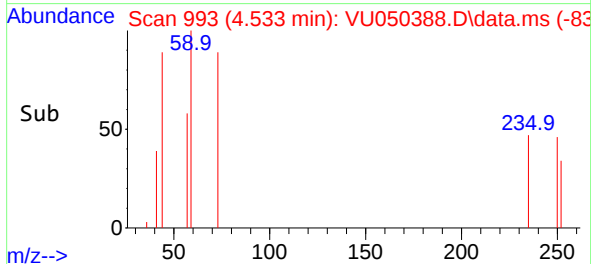
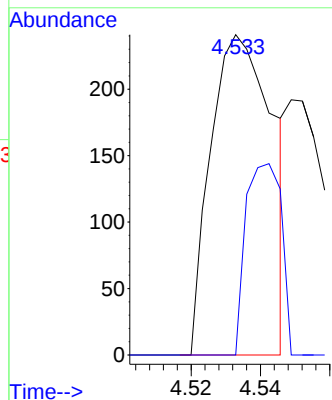
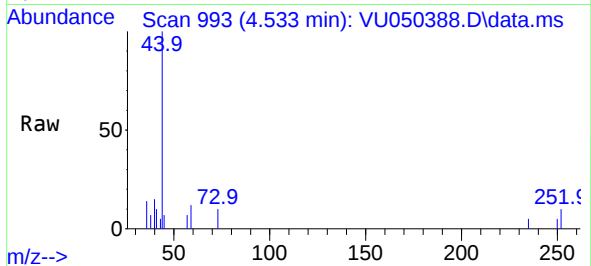




#32
Ethyl-t-butyl ether
Concen: 0.011 ug/l
RT: 4.533 min Scan# 993
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

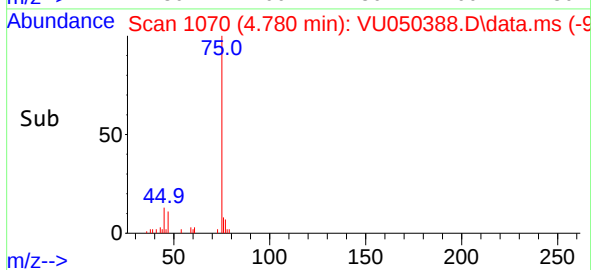
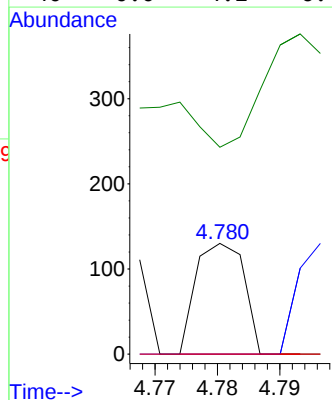
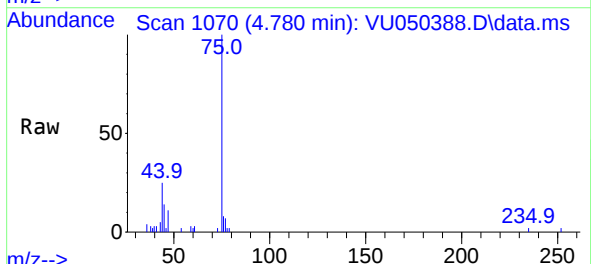
Instrument :
MSVOA_U
ClientSampleId :
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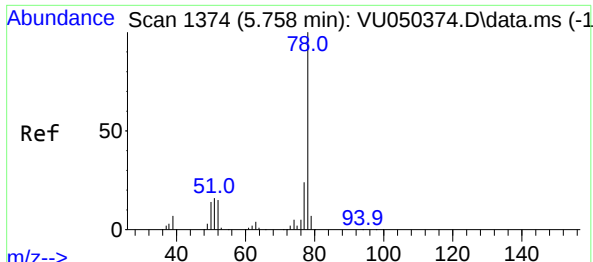
Tgt Ion: 59 Resp: 297
Ion Ratio Lower Upper
59 100
87 34.3 32.5 48.7



#34
Propionitrile
Concen: 0.070 ug/l
RT: 4.780 min Scan# 1070
Delta R.T. -0.035 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 54 Resp: 70
Ion Ratio Lower Upper
54 100
52 95.7 15.0 22.6#
55 0.0 12.6 19.0#
40 0.0 4.2 6.4#

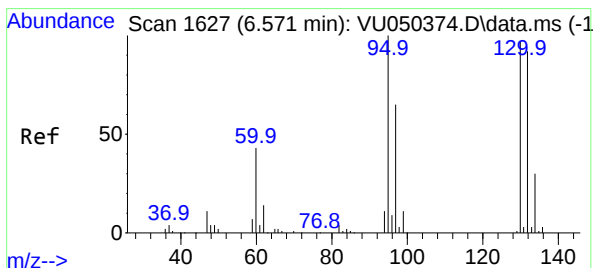
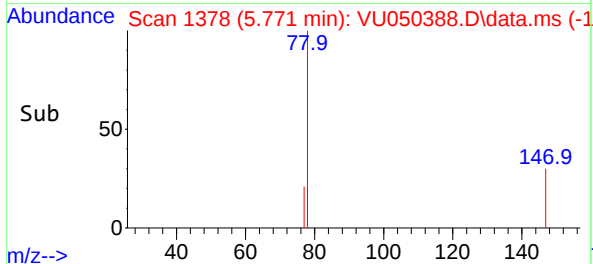
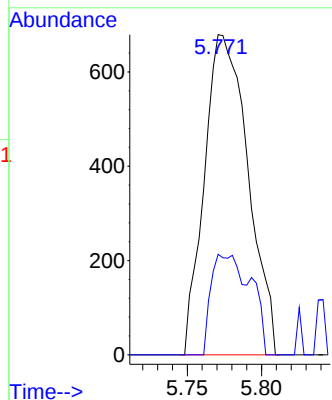
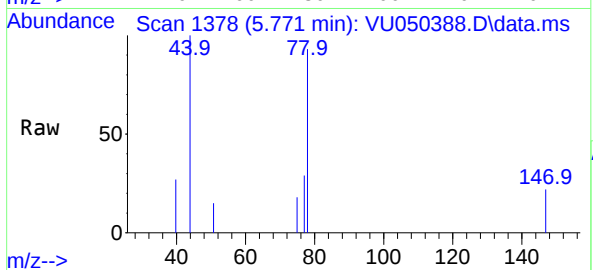




#35
Benzene
Concen: 0.032 ug/l
RT: 5.771 min Scan# 1374
Delta R.T. 0.013 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

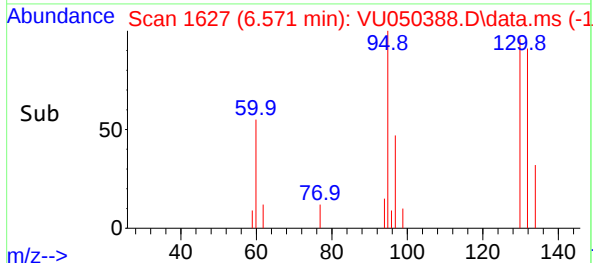
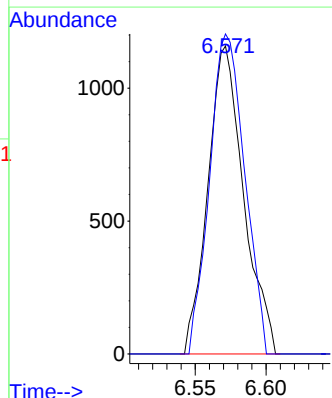
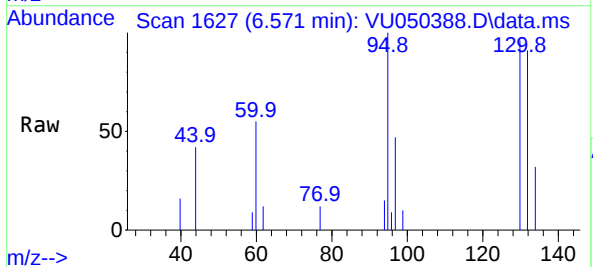
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

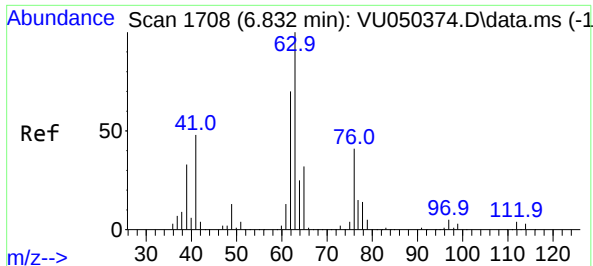
Tgt Ion: 78 Resp: 1389
Ion Ratio Lower Upper
78 100
77 31.4 18.6 28.0#



#37
Trichloroethene
Concen: 0.198 ug/l
RT: 6.571 min Scan# 1627
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion:130 Resp: 2033
Ion Ratio Lower Upper
130 100
95 103.9 83.8 125.8

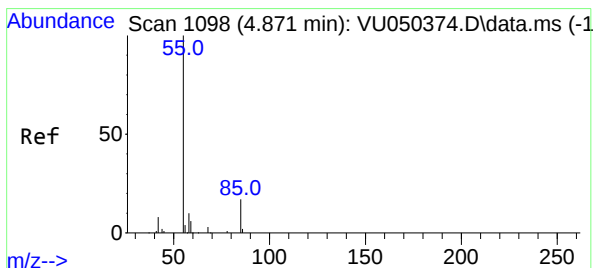
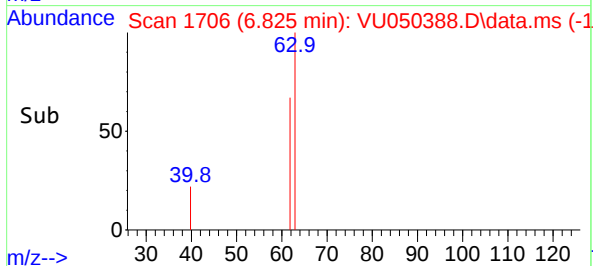
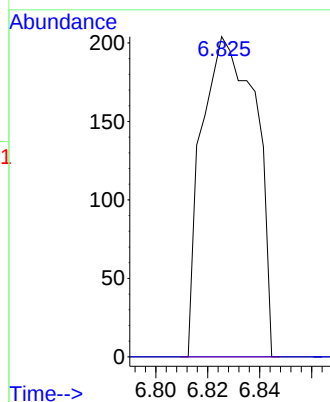
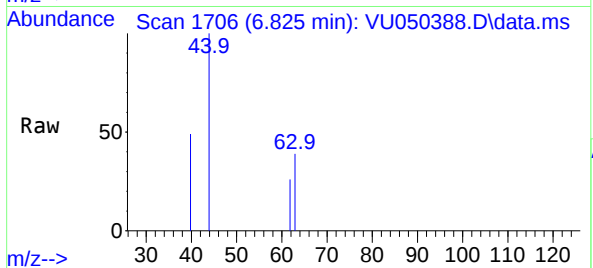




#38
1,2-Dichloropropane
Concen: 0.026 ug/l
RT: 6.825 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

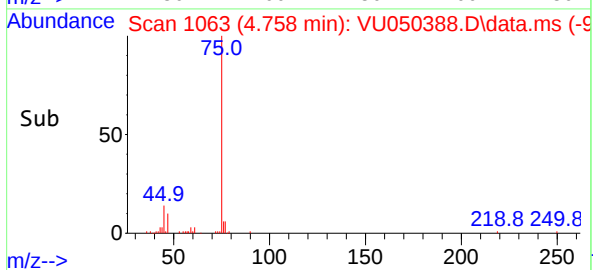
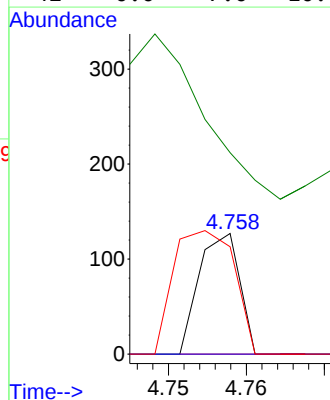
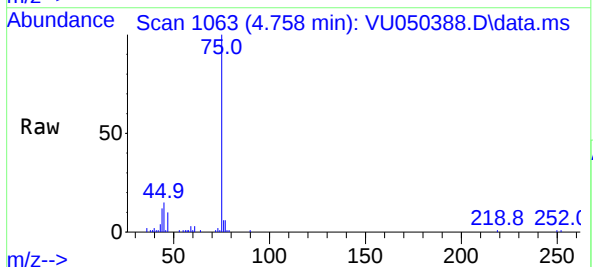
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

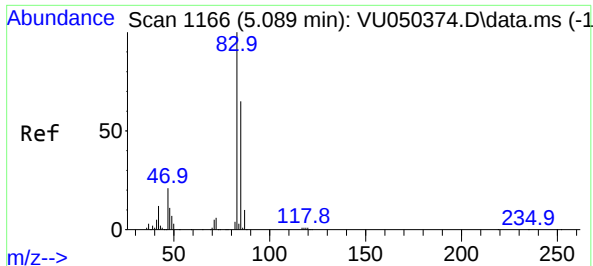
Tgt Ion: 63 Resp: 294
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#40
Methyl acrylate
Concen: 0.007 ug/l
RT: 4.758 min Scan# 1063
Delta R.T. -0.113 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 55 Resp: 46
Ion Ratio Lower Upper
55 100
85 0.0 13.5 20.3#
58 152.2 7.0 10.4#
42 0.0 7.0 10.6#





#41

Tetrahydrofuran

Concen: 0.113 ug/l

RT: 5.079 min Scan# 1166

Delta R.T. -0.010 min

Lab File: VU050388.D

Acq: 20 Aug 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

WS-UNREGULATED-VOCS

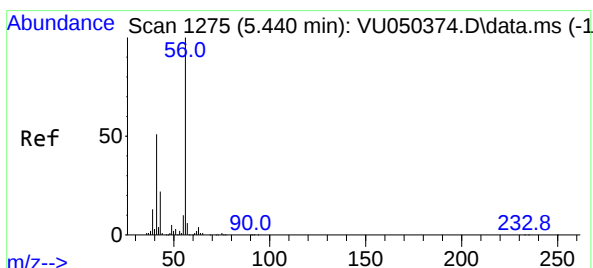
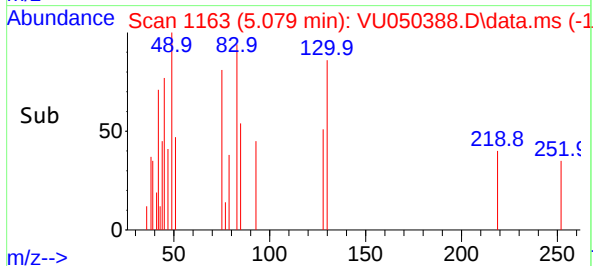
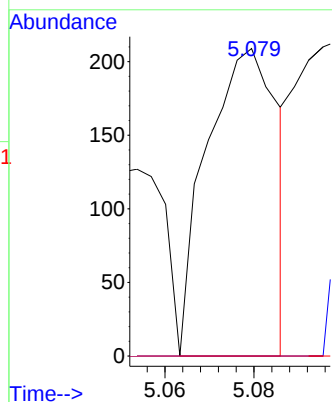
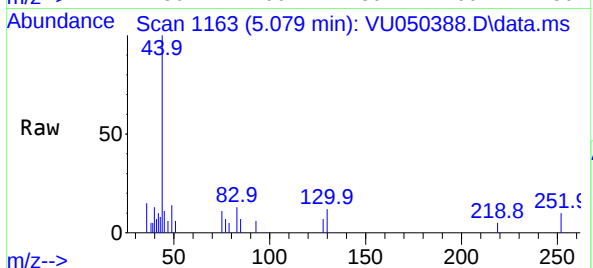
Tgt Ion: 42 Resp: 231

Ion Ratio Lower Upper

42 100

72 0.0 38.9 58.3#

71 0.0 33.7 50.5#



#42

1-Chlorobutane

Concen: 0.001 ug/l

RT: 5.478 min Scan# 1287

Delta R.T. 0.038 min

Lab File: VU050388.D

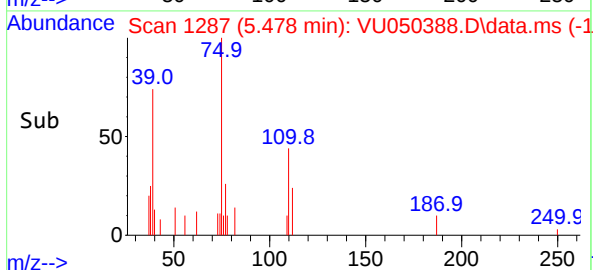
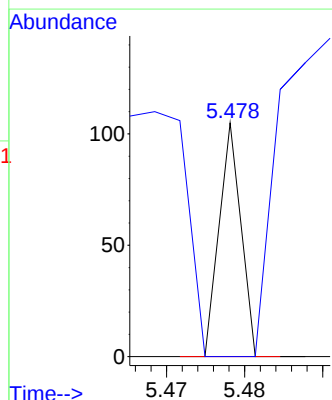
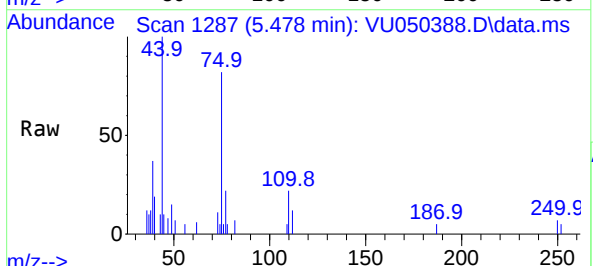
Acq: 20 Aug 2022 00:37

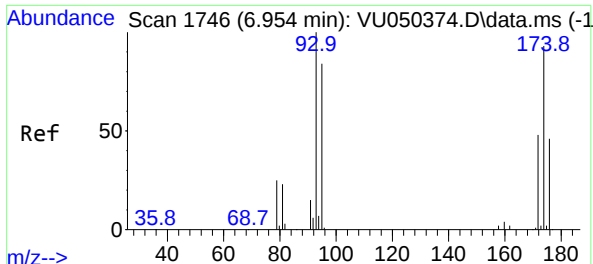
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

41 315.0 26.4 79.2#

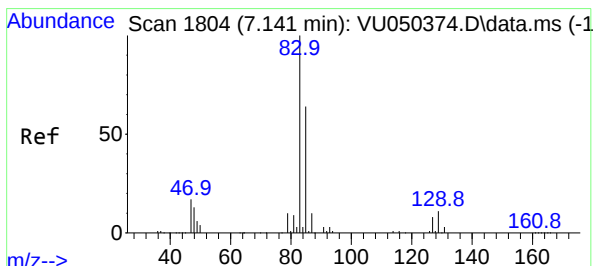
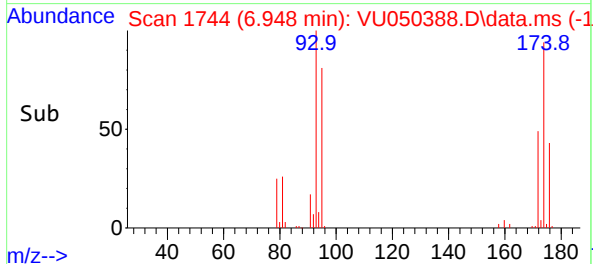
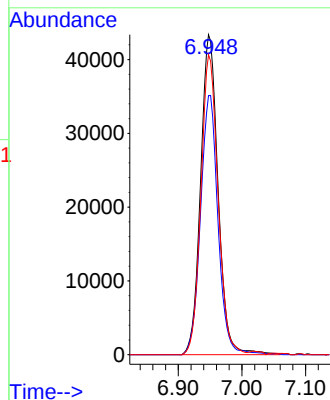
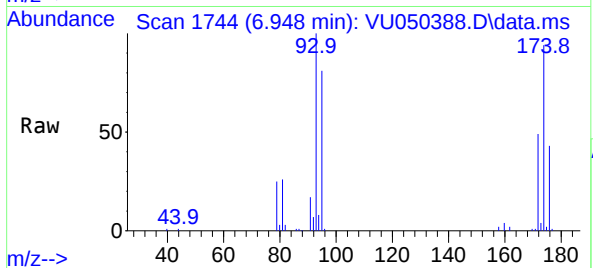




#43
Dibromomethane
Concen: 13.369 ug/l
RT: 6.948 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

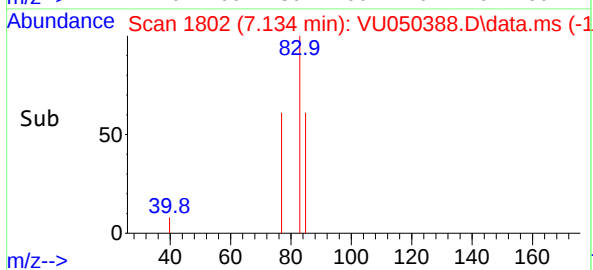
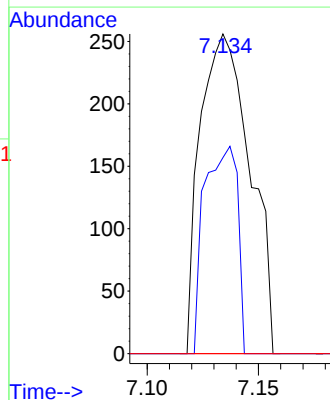
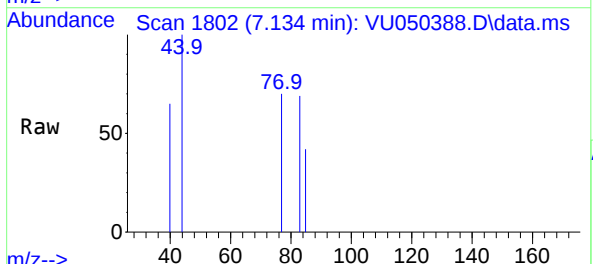
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

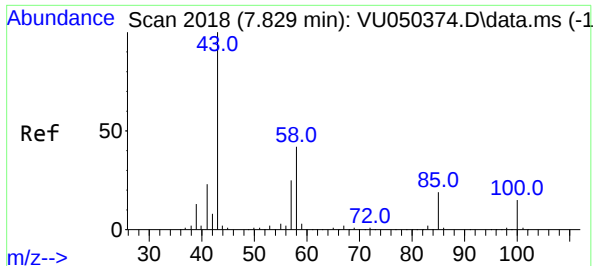
Tgt Ion: 93 Resp: 82926
Ion Ratio Lower Upper
93 100
95 81.0 65.0 97.6
174 91.7 76.3 114.5



#44
Bromodichloromethane
Concen: 0.027 ug/l
RT: 7.134 min Scan# 1802
Delta R.T. -0.007 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 83 Resp: 400
Ion Ratio Lower Upper
83 100
85 61.3 49.4 74.0
127 0.0 6.6 10.0#





#45

4-Methyl-2-Pentanone

Concen: 0.165 ug/l

RT: 7.832 min Scan# 2018

Delta R.T. 0.003 min

Lab File: VU050388.D

Acq: 20 Aug 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

WS-UNREGULATED-VOCS

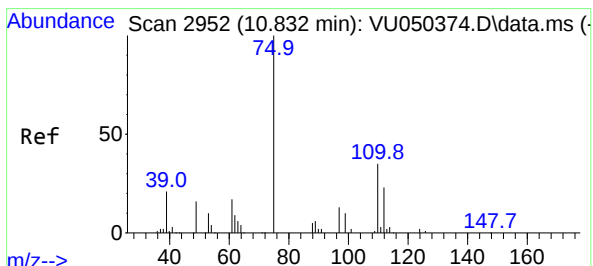
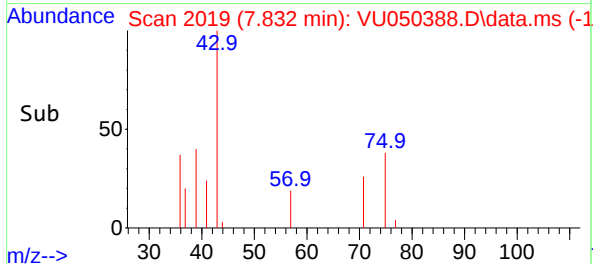
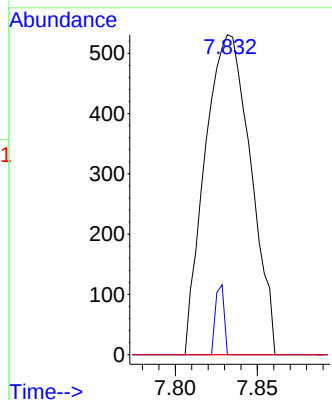
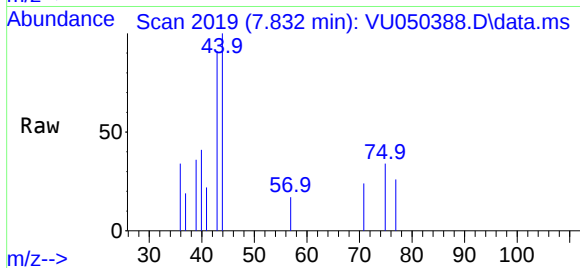
Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

58 4.1 20.3 61.0#

85 0.0 14.6 21.8#



#46

t-1,4-Dichloro-2-butene

Concen: 16.735 ug/l

RT: 10.828 min Scan# 2951

Delta R.T. -0.004 min

Lab File: VU050388.D

Acq: 20 Aug 2022 00:37

Tgt Ion: 75 Resp: 61901

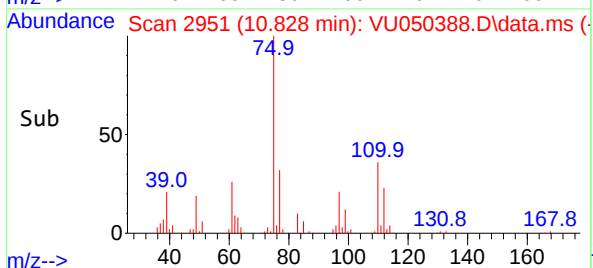
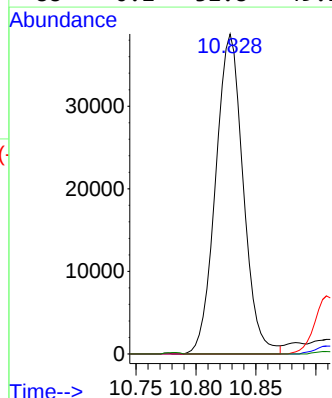
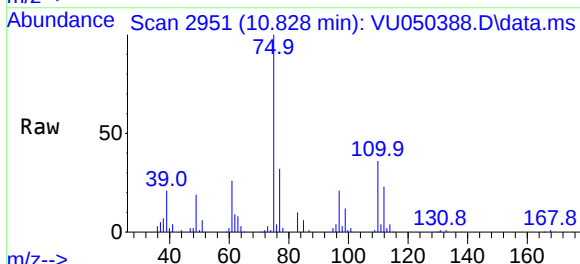
Ion Ratio Lower Upper

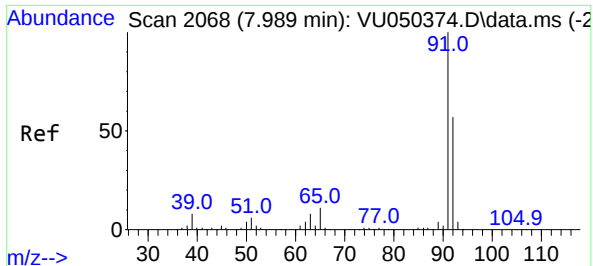
75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.2#

88 0.2 32.8 49.2#

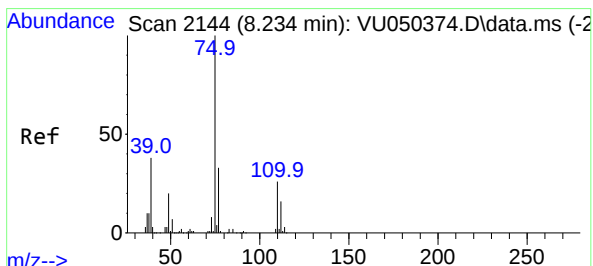
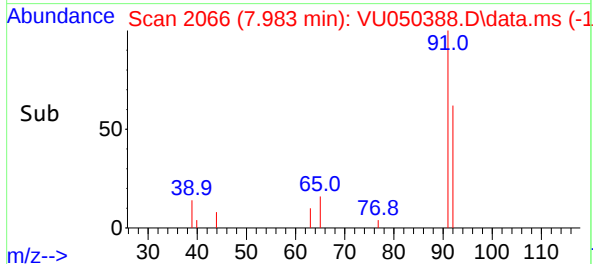
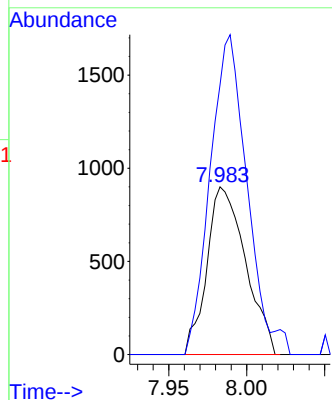
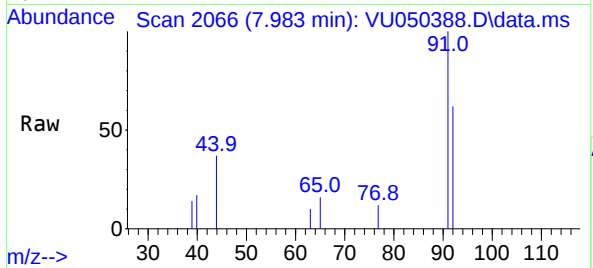




#49
Toluene
Concen: 0.067 ug/l
RT: 7.983 min Scan# 2066
Delta R.T. -0.007 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

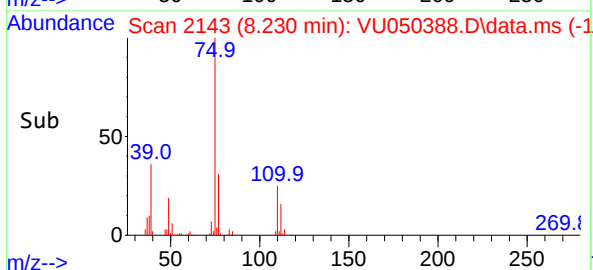
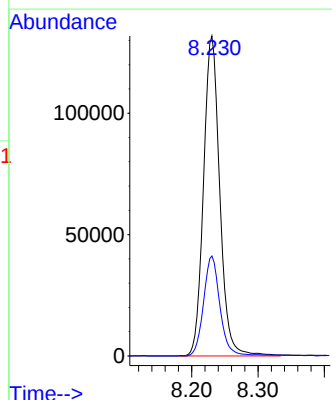
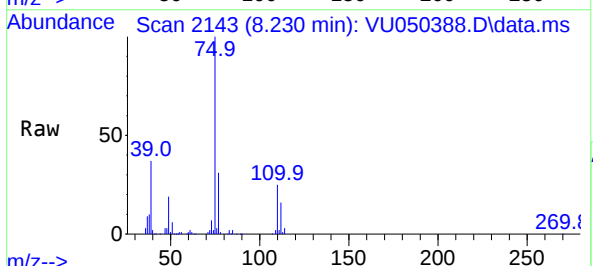
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

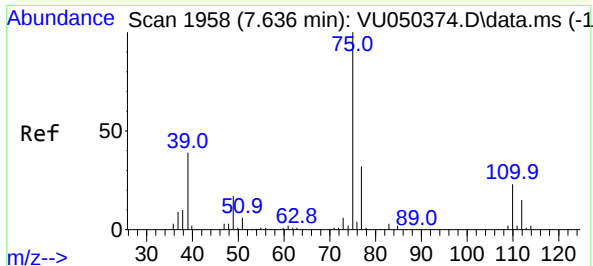
Tgt Ion: 92 Resp: 1553
Ion Ratio Lower Upper
92 100
91 181.8 138.6 207.8



#50
t-1,3-Dichloropropene
Concen: 19.674 ug/l
RT: 8.230 min Scan# 2143
Delta R.T. -0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 75 Resp: 224227
Ion Ratio Lower Upper
75 100
77 31.2 24.7 37.1

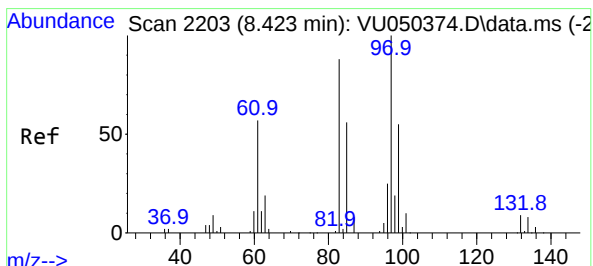
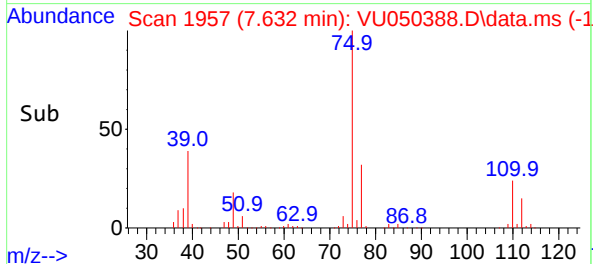
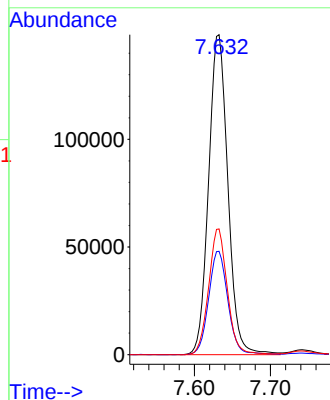
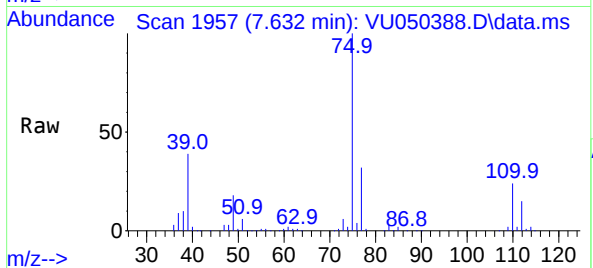




#51
cis-1,3-Dichloropropene
Concen: 20.080 ug/l
RT: 7.632 min Scan# 1958
Delta R.T. -0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

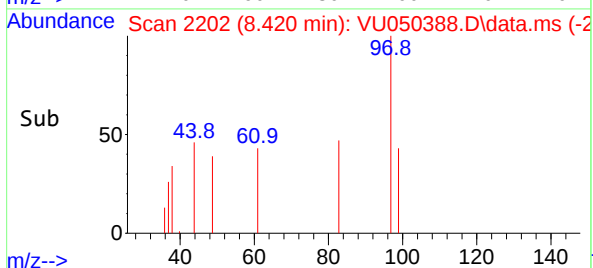
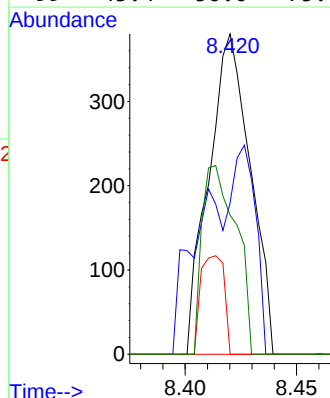
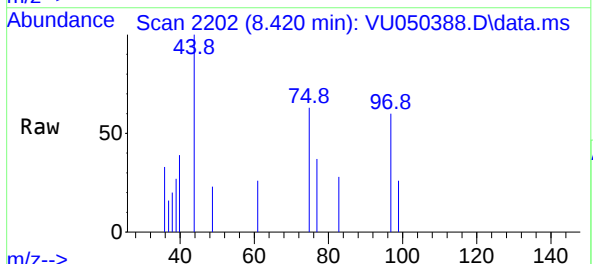
Instrument : MSVOA_U
ClientSampleId : WS-UNREGULATED-VOCS

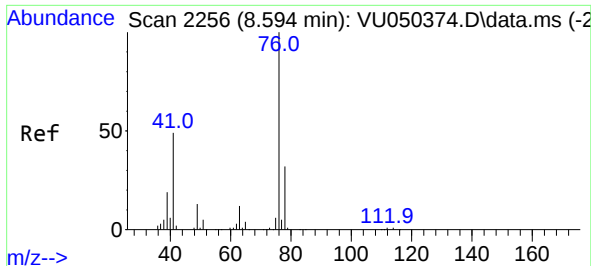
Tgt Ion: 75 Resp: 261993
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
39 39.3 35.1 52.7



#52
1,1,2-Trichloroethane
Concen: 0.054 ug/l
RT: 8.420 min Scan# 2202
Delta R.T. -0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 97 Resp: 495
Ion Ratio Lower Upper
97 100
83 47.4 70.6 106.0#
85 0.0 46.2 69.4#
99 43.4 50.0 75.0#





#53

1,3-Dichloropropane

Concen: 15.547 ug/l

RT: 8.591 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU050388.D

Acq: 20 Aug 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

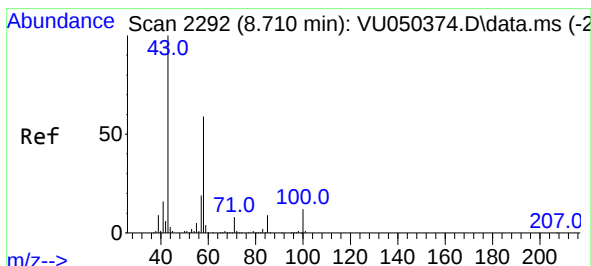
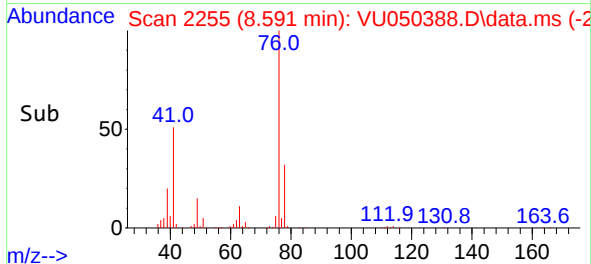
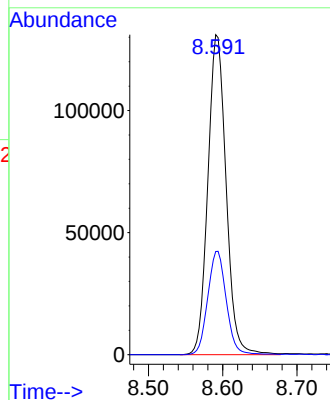
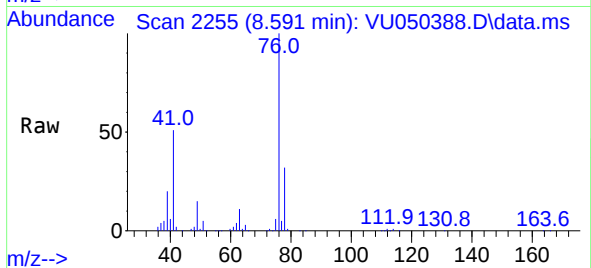
WS-UNREGULATED-VOCS

Tgt Ion: 76 Resp: 223198

Ion Ratio Lower Upper

76 100

78 32.8 26.0 39.0



#54

2-Hexanone

Concen: 0.036 ug/l

RT: 8.719 min Scan# 2295

Delta R.T. 0.010 min

Lab File: VU050388.D

Acq: 20 Aug 2022 00:37

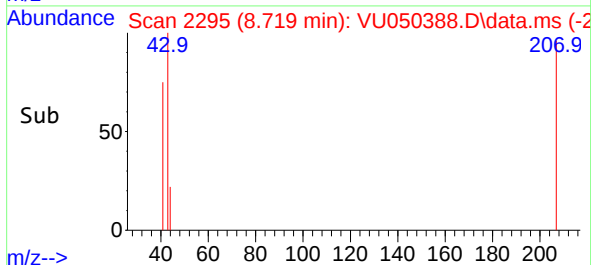
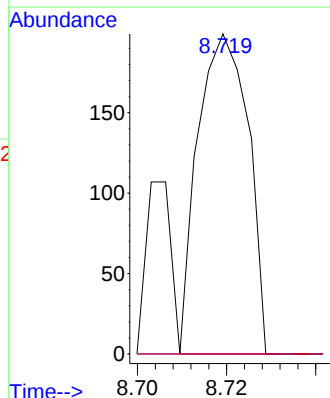
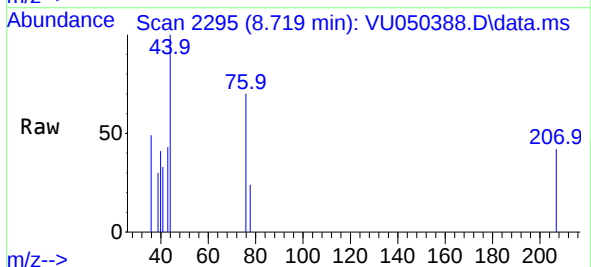
Tgt Ion: 43 Resp: 156

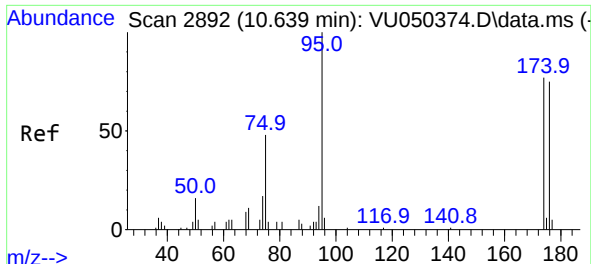
Ion Ratio Lower Upper

43 100

58 0.0 37.1 77.1#

57 0.0 0.0 39.5



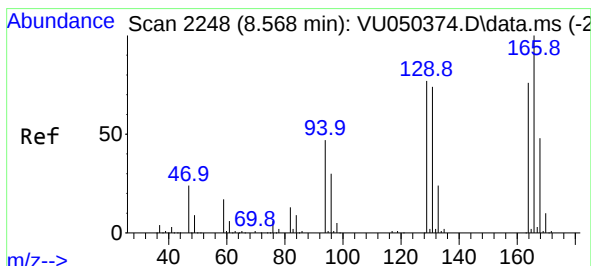
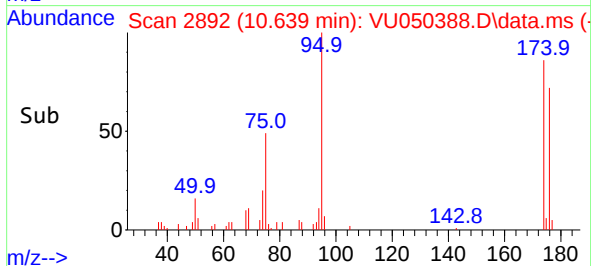
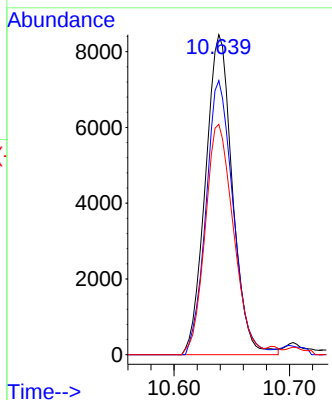
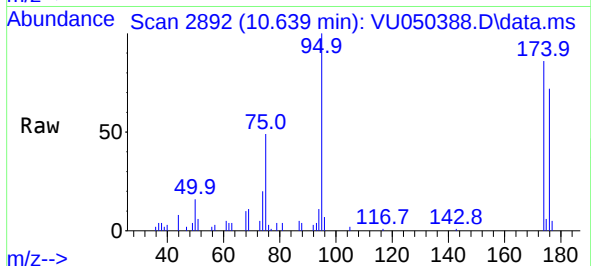


#57
4-Bromofluorobenzene
Concen: 1.160 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Instrument : MSVOA_U
ClientSampleId : WS-UNREGULATED-VOCS

Tgt Ion: 95 Resp: 13719

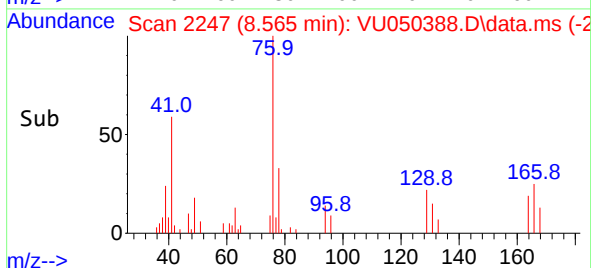
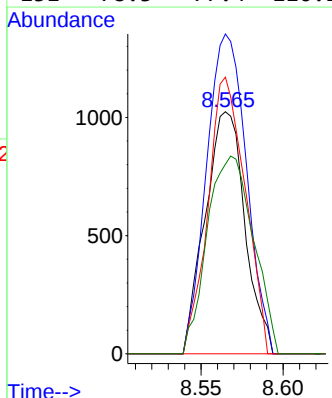
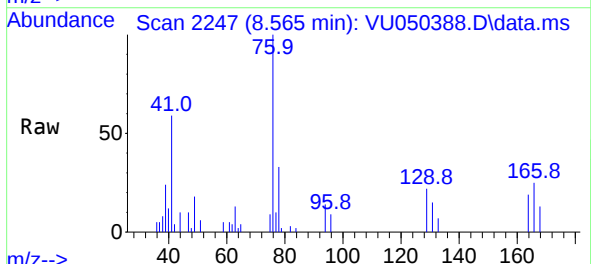
Ion	Ratio	Lower	Upper
95	100		
174	86.2	62.4	93.6
176	75.3	56.2	84.2

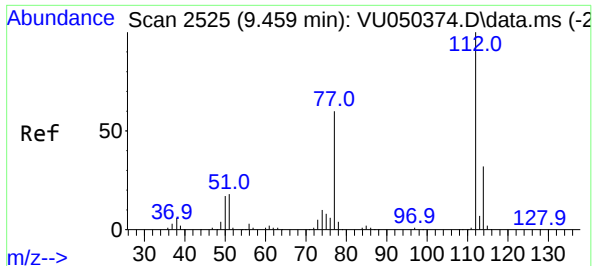


#58
Tetrachloroethene
Concen: 0.178 ug/l
RT: 8.565 min Scan# 2247
Delta R.T. -0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 164 Resp: 1724

Ion	Ratio	Lower	Upper
164	100		
166	132.1	102.4	153.6
129	114.3	79.5	119.3
131	78.3	77.4	116.2





#59

Chlorobenzene

Concen: 0.028 ug/l

RT: 9.459 min Scan# 2525

Delta R.T. -0.000 min

Lab File: VU050388.D

Acq: 20 Aug 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

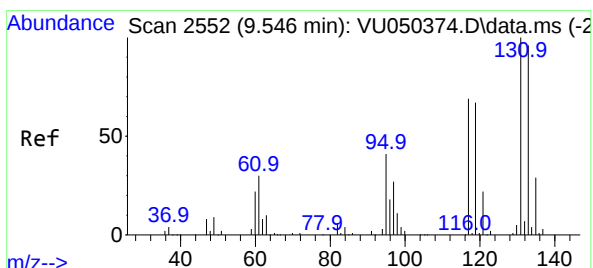
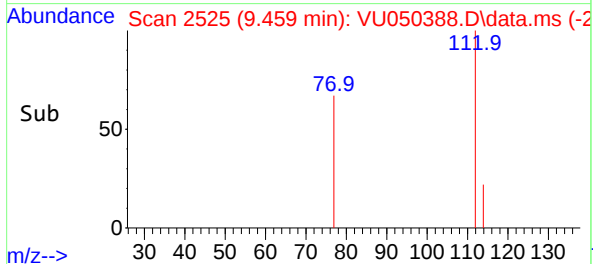
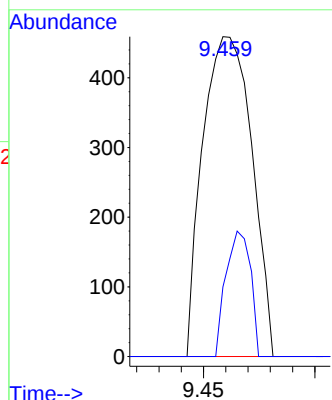
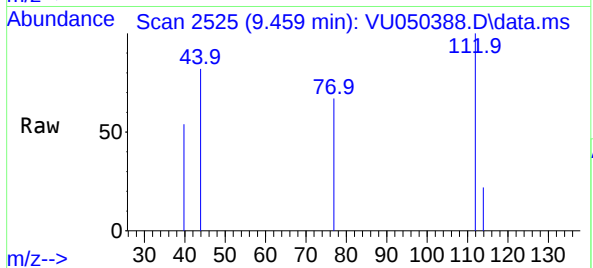
WS-UNREGULATED-VOCS

Tgt Ion:112 Resp: 703

Ion Ratio Lower Upper

112 100

114 21.8 24.9 37.3#



#60

1,1,1,2-Tetrachloroethane

Concen: 13.954 ug/l

RT: 9.542 min Scan# 2551

Delta R.T. -0.003 min

Lab File: VU050388.D

Acq: 20 Aug 2022 00:37

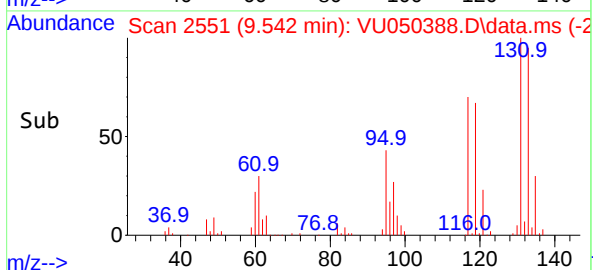
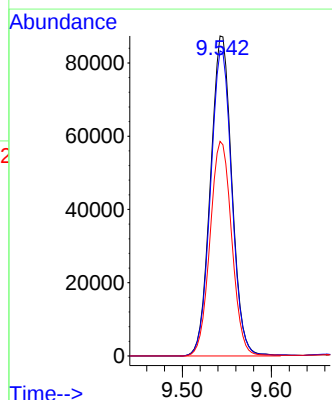
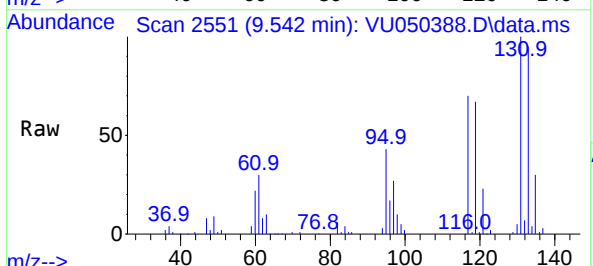
Tgt Ion:131 Resp: 145775

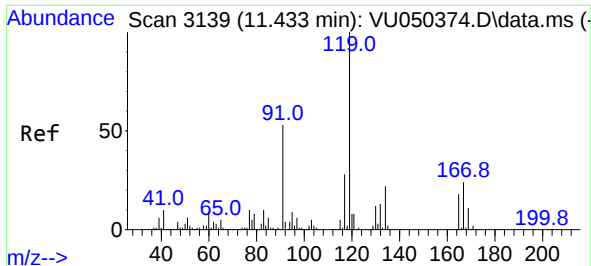
Ion Ratio Lower Upper

131 100

133 95.2 78.3 117.5

119 68.2 53.2 79.8

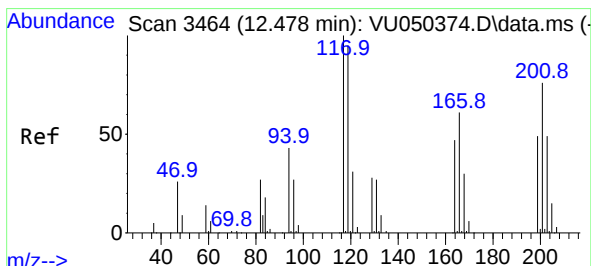
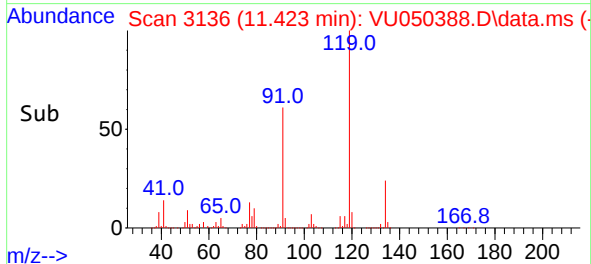
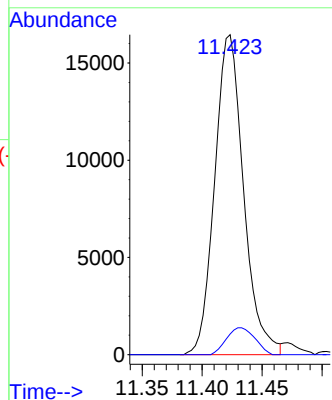
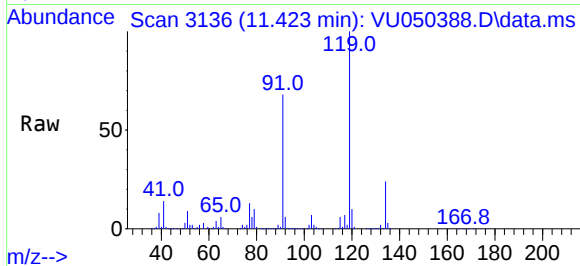




#61
Pentachloroethane
Concen: 3.168 ug/l
RT: 11.423 min Scan# 3139
Delta R.T. -0.010 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

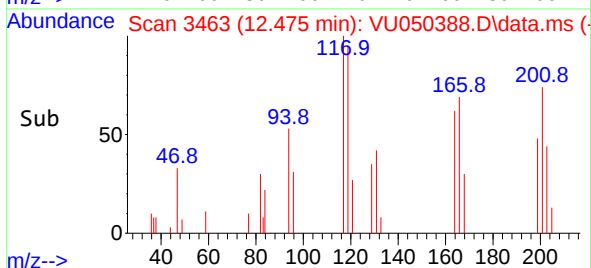
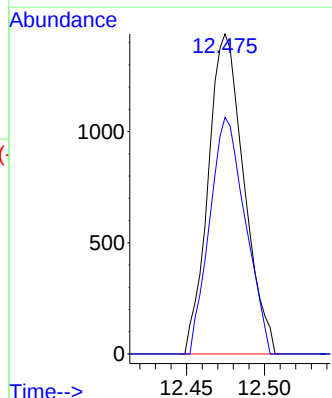
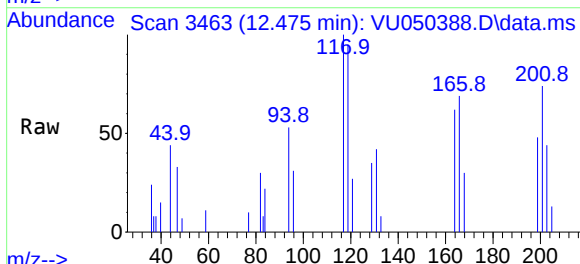
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

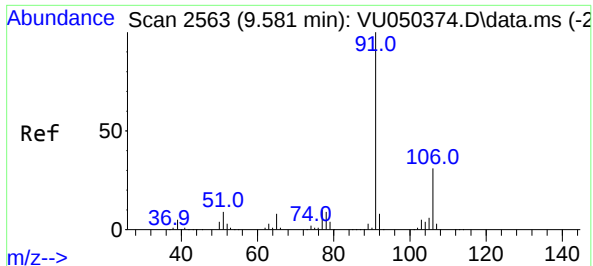
Tgt Ion:117 Resp: 27543
Ion Ratio Lower Upper
117 100
167 8.3 66.2 99.4#



#62
Hexachloroethane
Concen: 0.317 ug/l
RT: 12.475 min Scan# 3463
Delta R.T. -0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion:117 Resp: 2296
Ion Ratio Lower Upper
117 100
201 73.6 61.0 91.4





#63

Ethyl Benzene

Concen: 0.595 ug/l

RT: 9.581 min Scan# 2563

Delta R.T. -0.000 min

Lab File: VU050388.D

Acq: 20 Aug 2022 00:37

Instrument :

MSVOA_U

ClientSampleId :

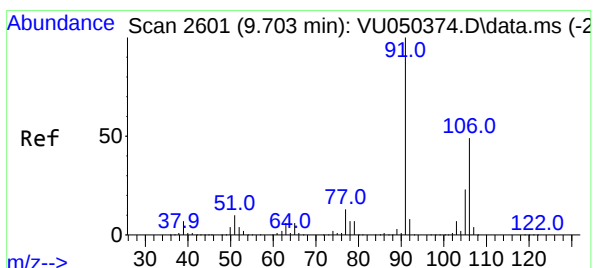
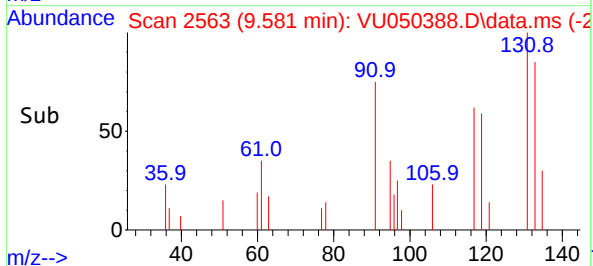
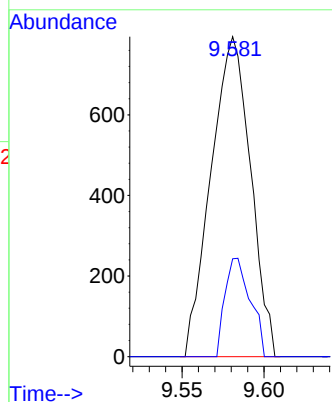
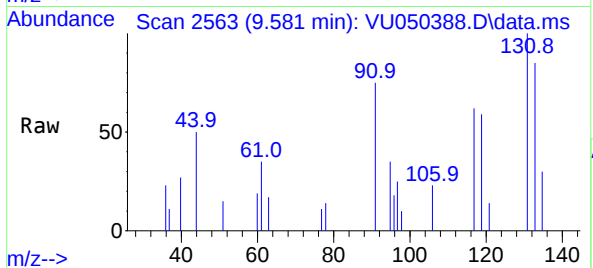
WS-UNREGULATED-VOCS

Tgt Ion: 91 Resp: 1328

Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6



#64

m/p-Xylenes

Concen: 1.119 ug/l

RT: 9.703 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VU050388.D

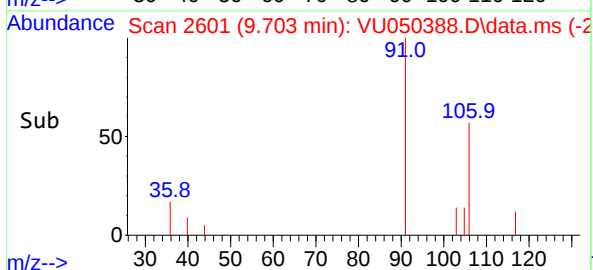
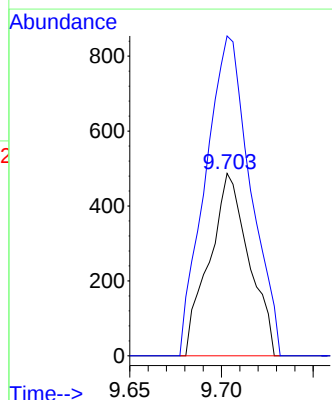
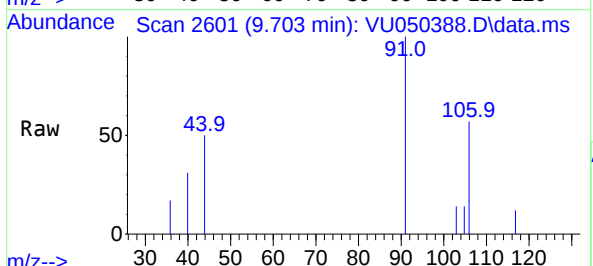
Acq: 20 Aug 2022 00:37

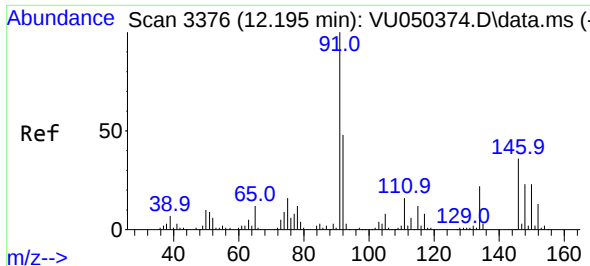
Tgt Ion: 106 Resp: 730

Ion Ratio Lower Upper

106 100

91 200.1 167.8 251.6

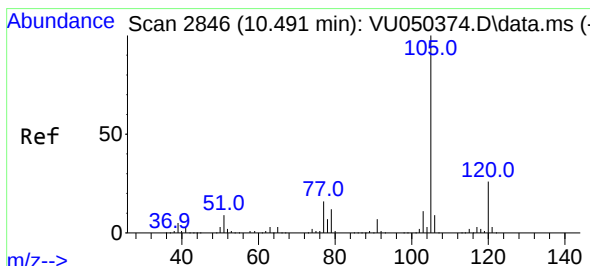
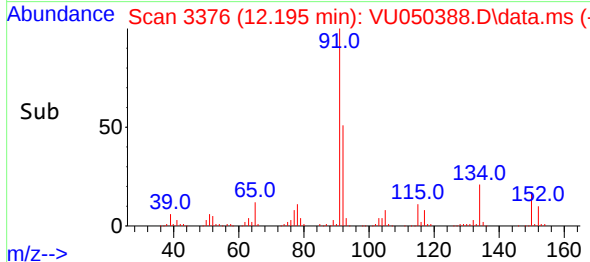
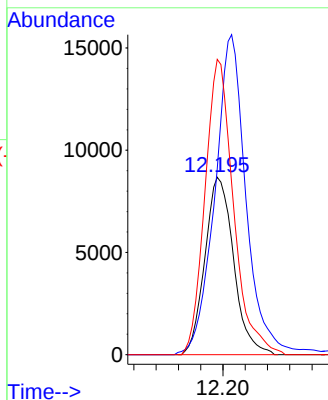
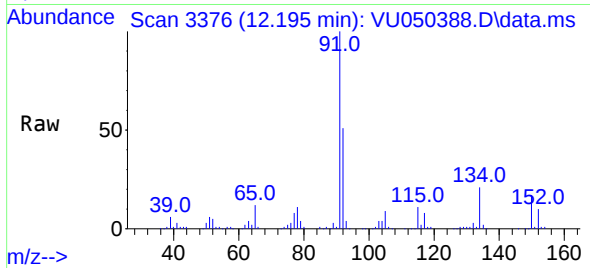




#68
1,2-Dichlorobenzene-d4
Concen: 1.111 ug/l
RT: 12.195 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

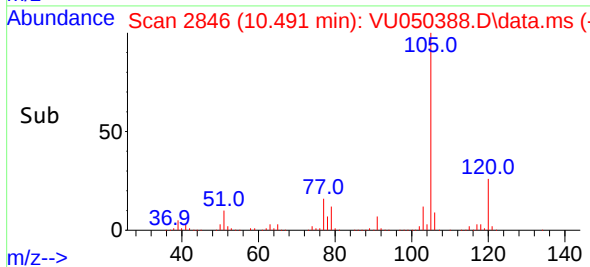
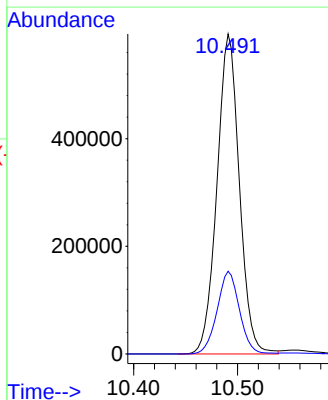
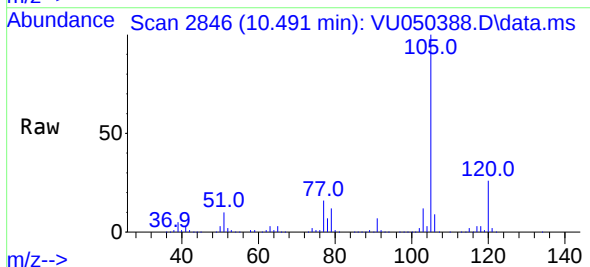
Instrument : MSVOA_U
ClientSampleId : WS-UNREGULATED-VOCS

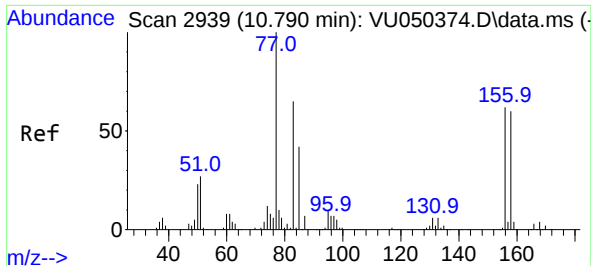
Tgt Ion:152 Resp: 15527
Ion Ratio Lower Upper
152 100
115 197.1 0.0 254.6
150 165.3 0.0 623.6



#69
Isopropylbenzene
Concen: 23.298 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion:105 Resp: 890077
Ion Ratio Lower Upper
105 100
120 25.8 12.6 37.8

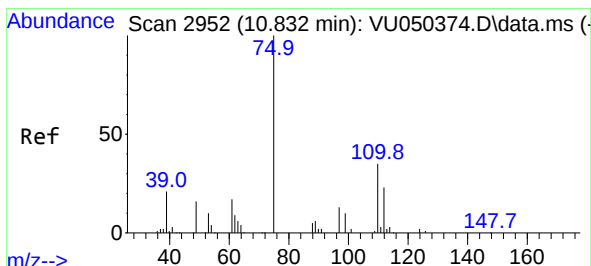
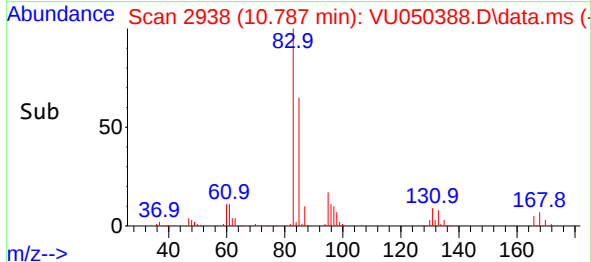
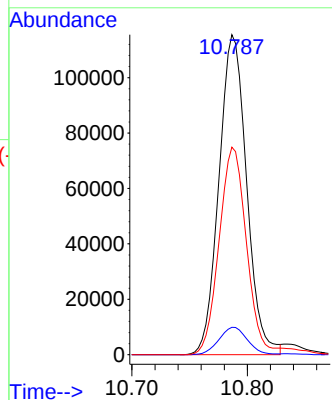
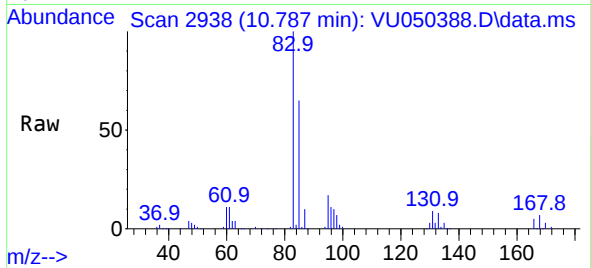




#70
1,1,2,2-Tetrachloroethane
Concen: 15.331 ug/l
RT: 10.787 min Scan# 2938
Delta R.T. -0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

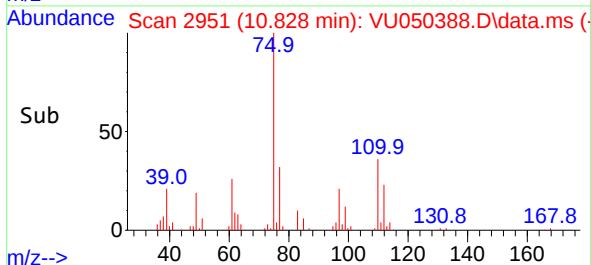
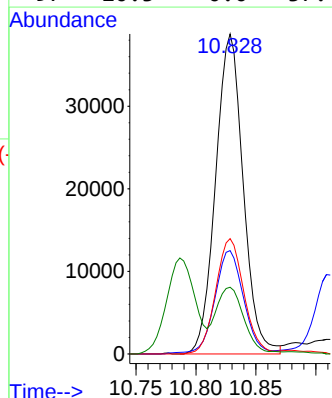
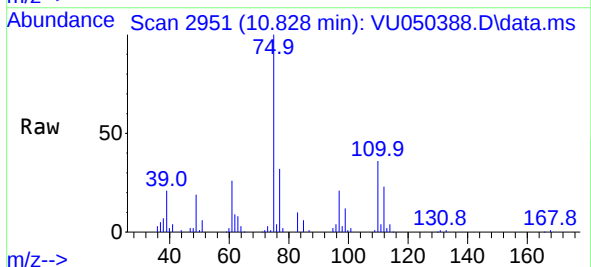
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

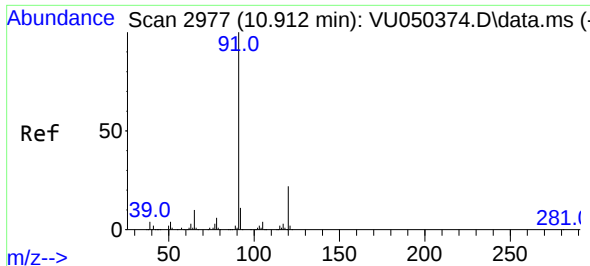
Tgt Ion: 83 Resp: 192342
Ion Ratio Lower Upper
83 100
131 8.8 7.7 11.5
85 65.7 51.2 76.8



#71
1,2,3-Trichloropropane
Concen: 6.561 ug/l
RT: 10.828 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 75 Resp: 61901
Ion Ratio Lower Upper
75 100
77 33.7 0.0 112.4
110 36.8 0.0 70.6
97 20.3 0.0 37.4

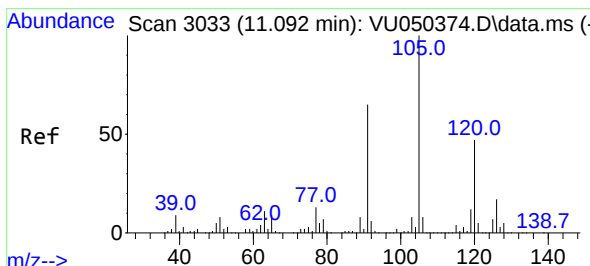
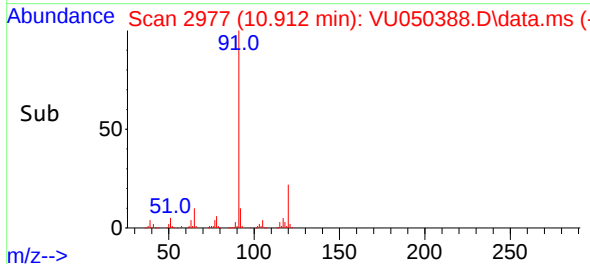
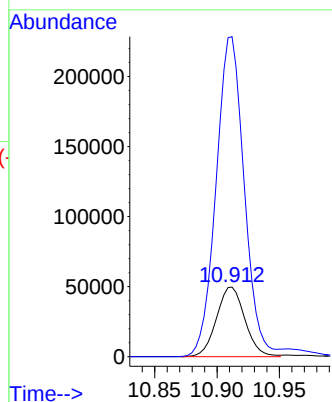
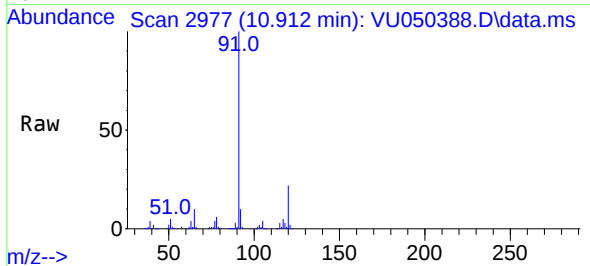




#73
n-propylbenzene
Concen: 6.005 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

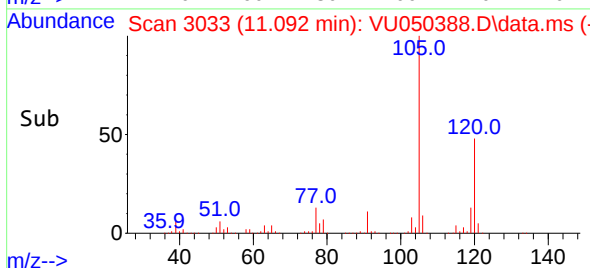
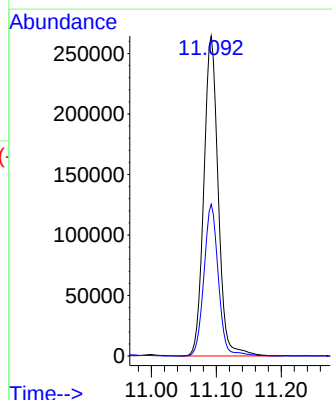
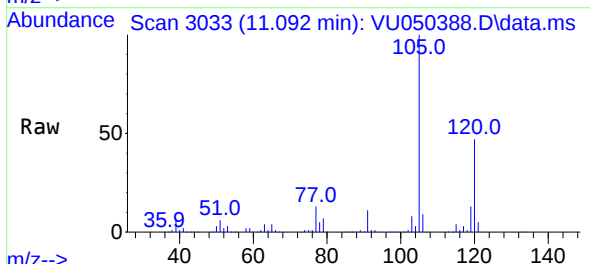
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

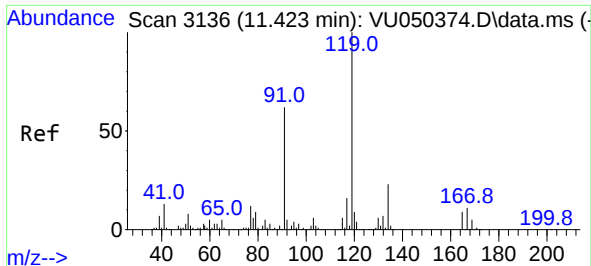
Tgt Ion:120 Resp: 78944
Ion Ratio Lower Upper
120 100
91 453.8 367.8 551.6



#75
1,3,5-Trimethylbenzene
Concen: 9.323 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion:105 Resp: 407975
Ion Ratio Lower Upper
105 100
120 47.4 37.6 56.4

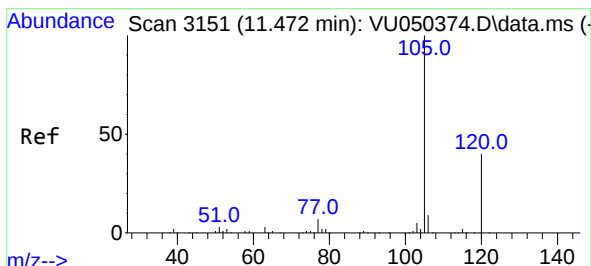
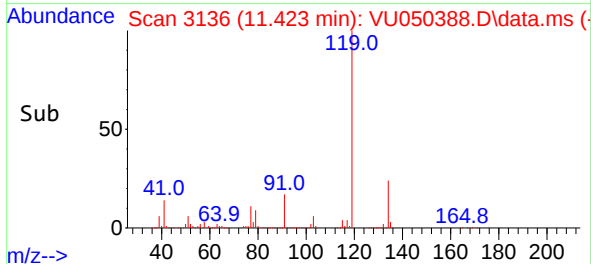
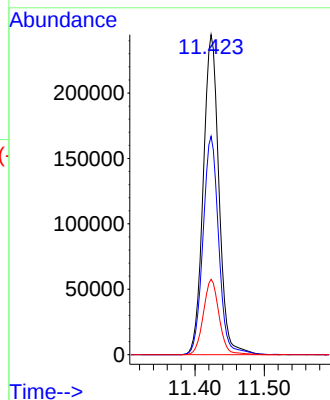
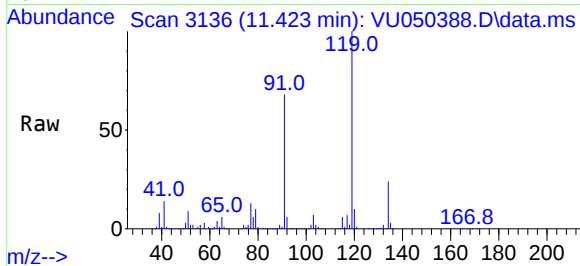




#77
tert-Butylbenzene
Concen: 9.324 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

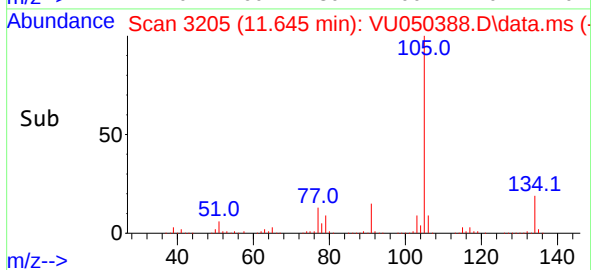
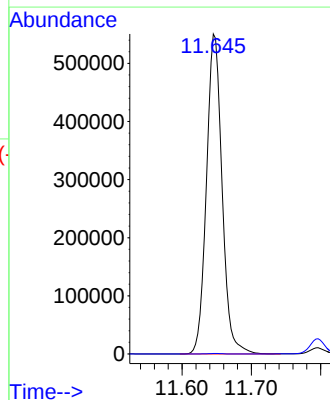
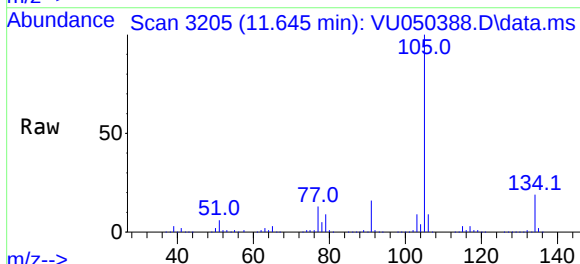
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

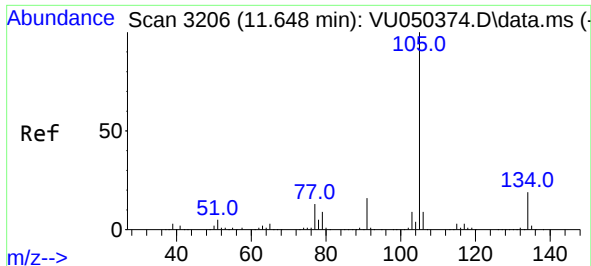
Tgt Ion:119 Resp: 384285
Ion Ratio Lower Upper
119 100
91 68.2 30.4 91.3
134 23.5 17.8 26.6



#78
1,2,4-Trimethylbenzene
Concen: 18.223 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. 0.173 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion:105 Resp: 860138
Ion Ratio Lower Upper
105 100
120 4.7 21.6 65.0#

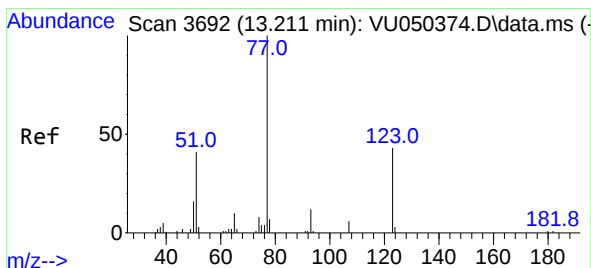
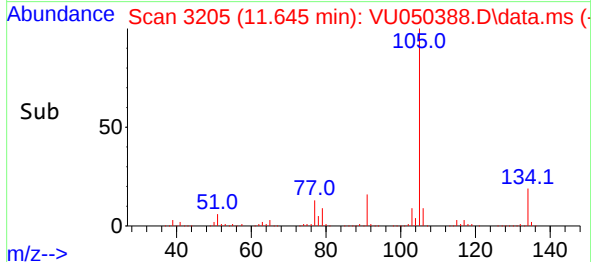
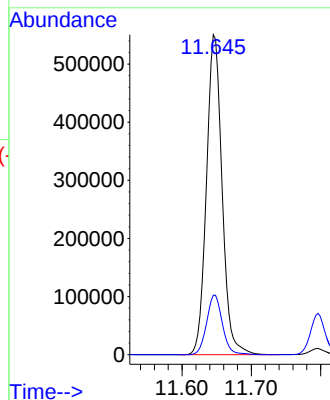
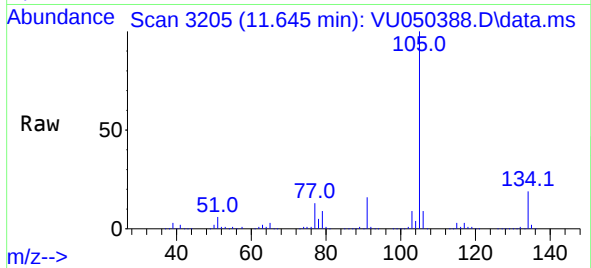




#79
 sec-Butylbenzene
 Concen: 14.905 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU050388.D
 Acq: 20 Aug 2022 00:37

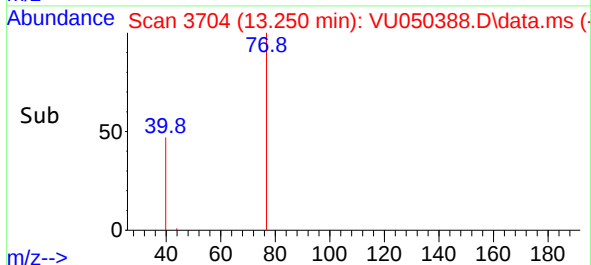
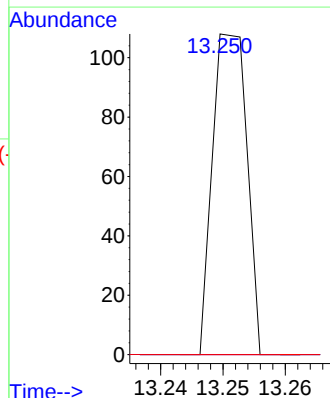
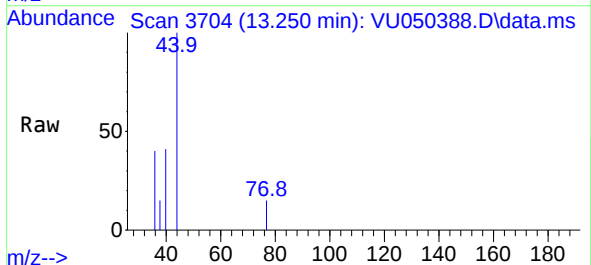
Instrument :
 MSVOA_U
 ClientSampleId :
 WS-UNREGULATED-VOCS

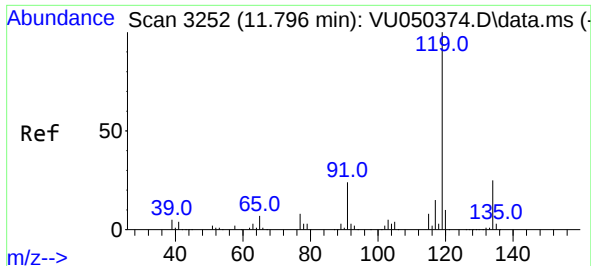
Tgt Ion:105 Resp: 860138
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.4 23.0



#80
 Nitrobenzene
 Concen: 0.060 ug/l
 RT: 13.250 min Scan# 3704
 Delta R.T. 0.039 min
 Lab File: VU050388.D
 Acq: 20 Aug 2022 00:37

Tgt Ion: 77 Resp: 41
 Ion Ratio Lower Upper
 77 100
 123 0.0 18.1 64.3#
 65 0.0 10.8 13.8#



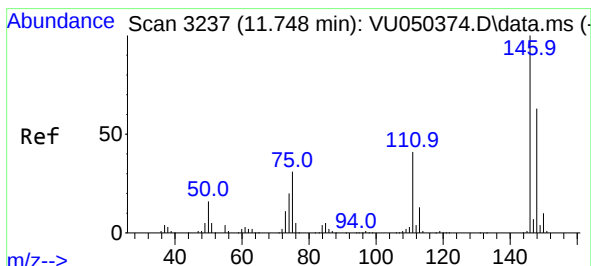
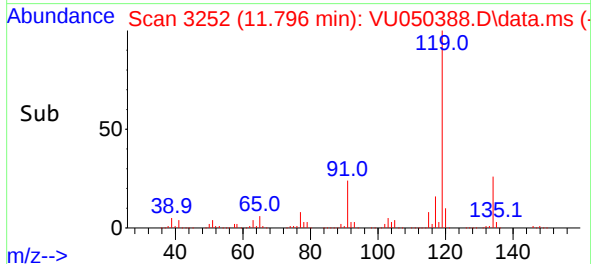
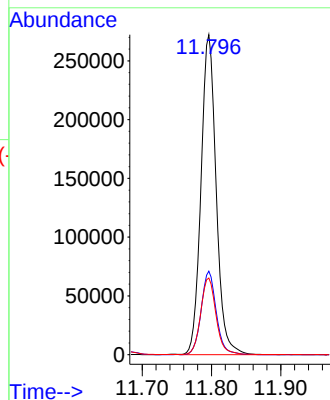
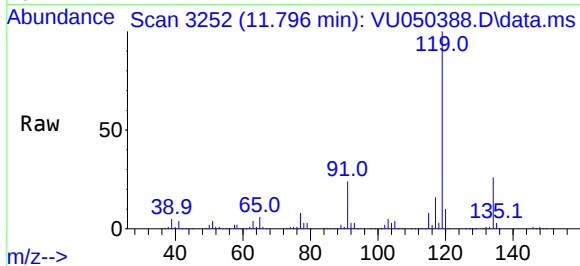


#81
p-Isopropyltoluene
Concen: 11.887 ug/l
RT: 11.796 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

Tgt Ion:119 Resp: 414083

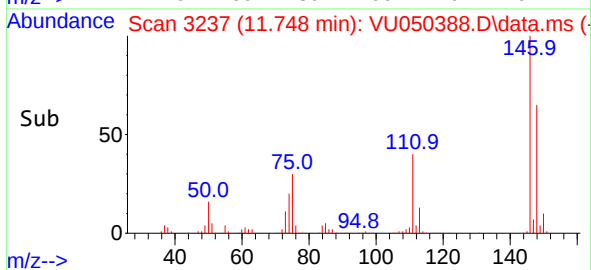
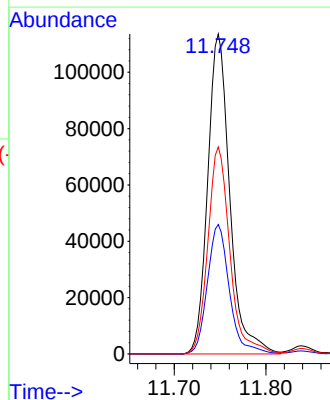
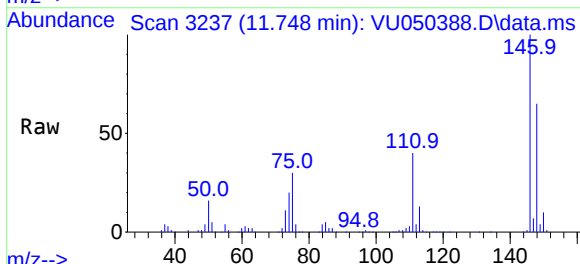
Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.5	30.7
91	24.2	19.8	29.6

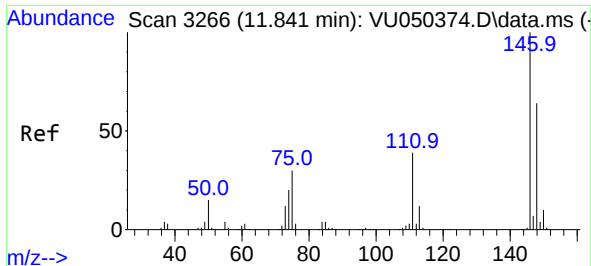


#82
1,3-Dichlorobenzene
Concen: 8.593 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion:146 Resp: 189867

Ion	Ratio	Lower	Upper
146	100		
111	40.4	33.4	50.2
148	64.8	51.2	76.8

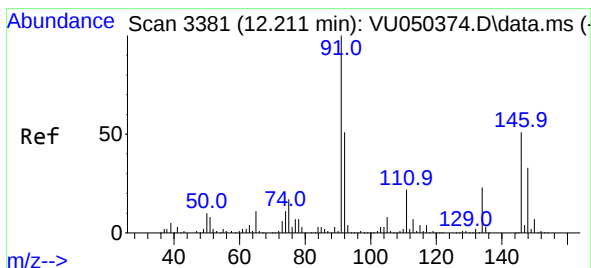
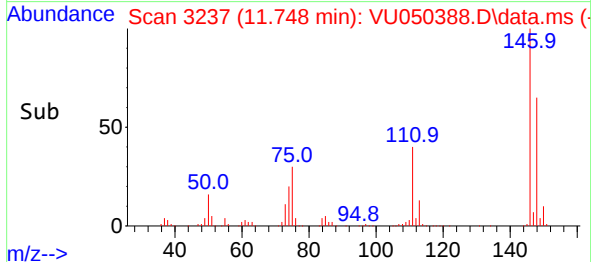
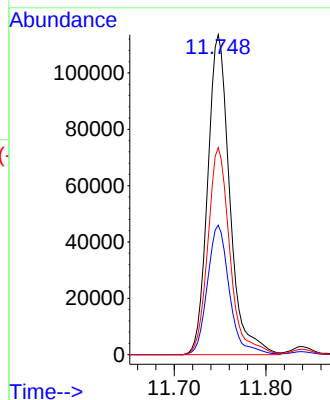
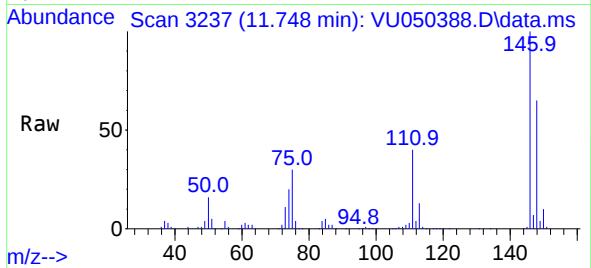




#83
1,4-Dichlorobenzene
Concen: 8.644 ug/l
RT: 11.748 min Scan# 31
Delta R.T. -0.093 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

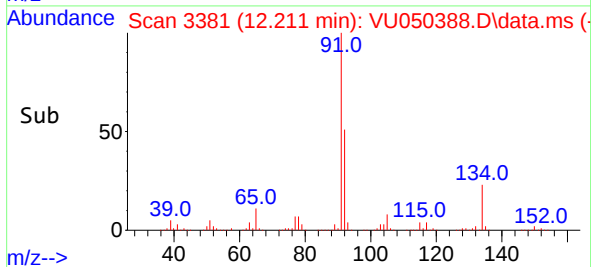
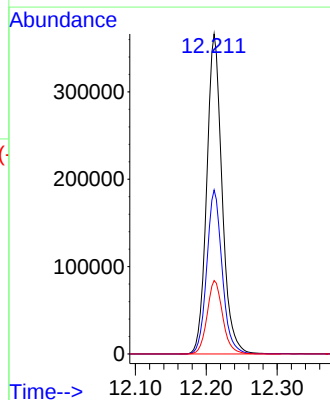
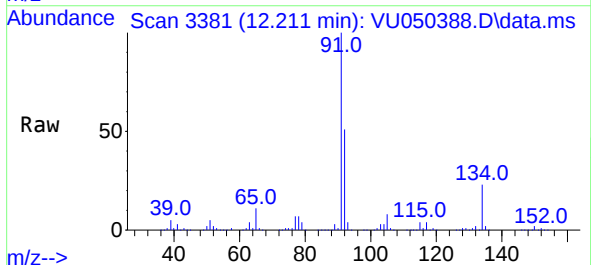
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

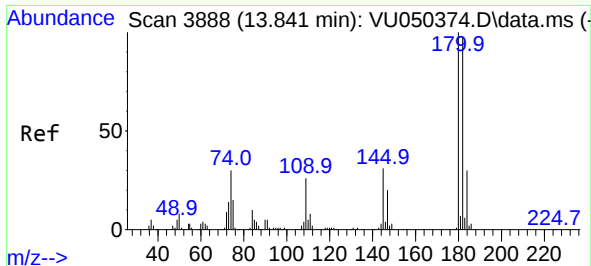
Tgt Ion:146 Resp: 189867
Ion Ratio Lower Upper
146 100
111 40.4 32.6 49.0
148 64.8 51.6 77.4



#84
n-Butylbenzene
Concen: 12.833 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion: 91 Resp: 550619
Ion Ratio Lower Upper
91 100
92 51.3 42.3 63.5
134 23.2 19.6 29.4

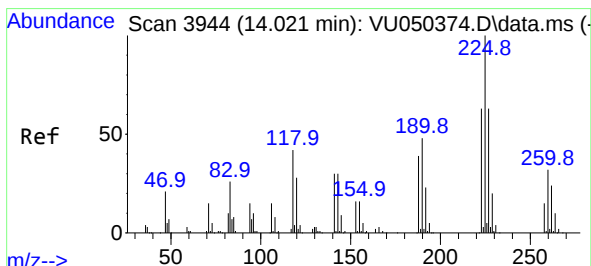
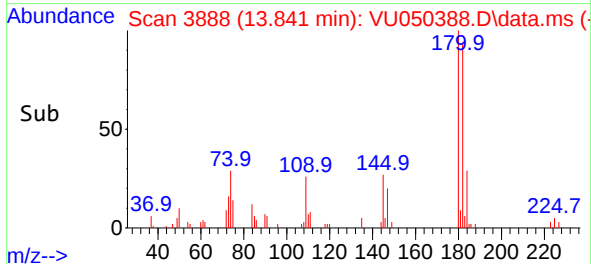
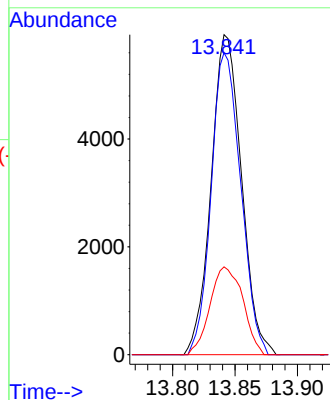
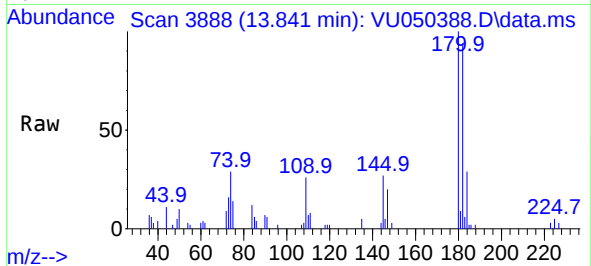




#87
1,2,4-Trichlorobenzene
Concen: 0.812 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

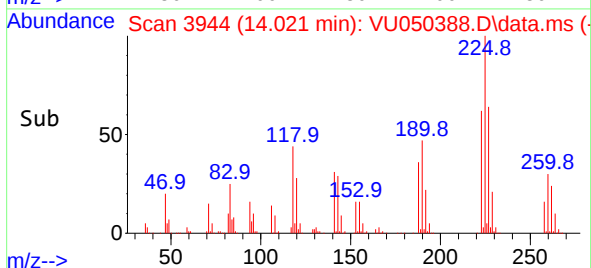
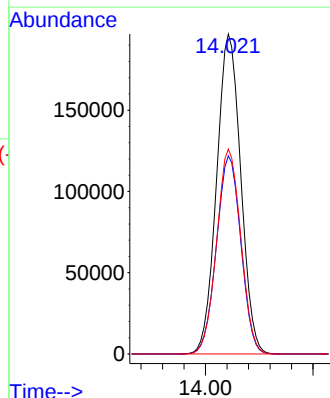
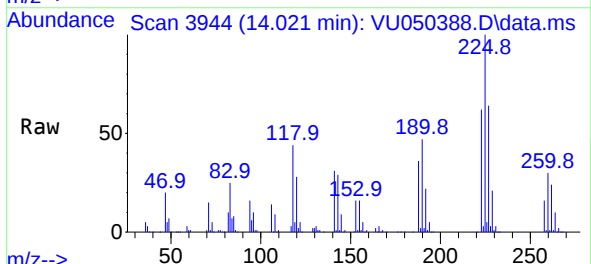
Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

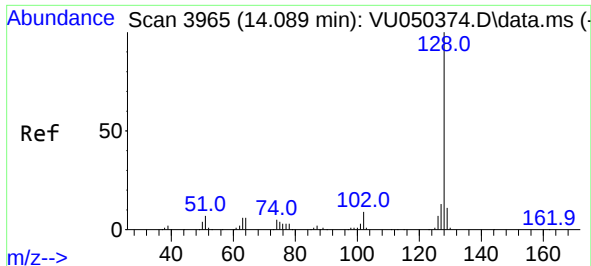
Tgt Ion:	180	Resp:	10058
Ion Ratio	Lower	Upper	
180	100		
182	91.8	77.0	115.6
145	29.6	25.7	38.5



#88
Hexachlorobutadiene
Concen: 38.028 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion:	225	Resp:	306736
Ion Ratio	Lower	Upper	
225	100		
223	62.5	50.6	76.0
227	64.3	50.7	76.1

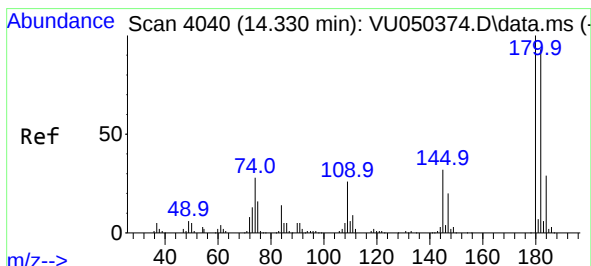
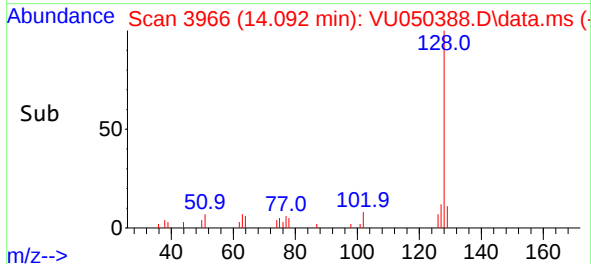
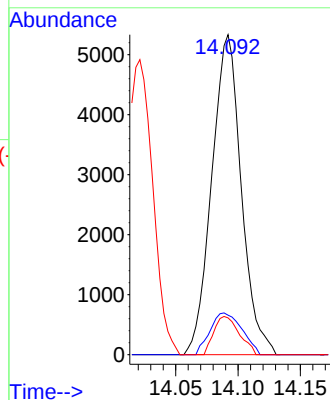
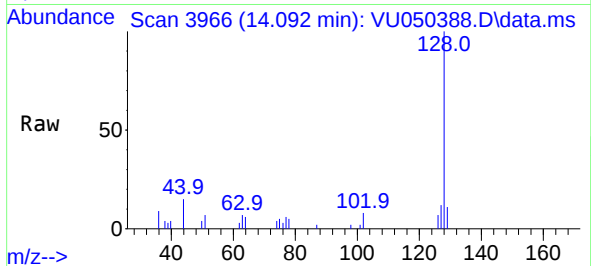




#89
Naphthalene
Concen: 1.197 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Instrument :
MSVOA_U
ClientSampleId :
WS-UNREGULATED-VOCS

Tgt Ion:	128	Resp:	8791
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.1	15.1
129	10.3	8.6	12.8



#90
1,2,3-Trichlorobenzene
Concen: 21.270 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU050388.D
Acq: 20 Aug 2022 00:37

Tgt Ion:	180	Resp:	349908
Ion Ratio	Lower	Upper	
180	100		
182	95.8	76.6	114.8
145	32.4	27.3	40.9

