

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082522\
 Data File : VU050442.D
 Acq On : 25 Aug 2022 13:27
 Operator : SY/MD
 Sample : N3980-09 0.25PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS-OXYGENATES

Quant Time: Aug 26 06:35:33 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	42146	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	10116	0.705	ug/l	0.00
Spiked Amount 1.000			Recovery	=	70.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	12372	0.729	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	2676	0.153	ug/l	95
3) Chloromethane	1.520	50	4661	0.220	ug/l	98
4) Vinyl Chloride	1.604	62	3407	0.188	ug/l	97
5) Bromomethane	1.858	94	1625	0.219	ug/l	98
6) Chloroethane	1.935	64	2293	0.209	ug/l	95
7) Trichlorofluoromethane	2.138	101	4019	0.178	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	2662	0.210	ug/l	89
9) 1,1-Dichloroethene	2.581	96	2293	0.185	ug/l	91
10) Iodomethane	2.726	142	1285	0.126	ug/l	93
11) Allyl Chloride	2.925	41	4379	0.229	ug/l	99
12) Acrylonitrile	3.330	53	1300	0.349	ug/l	94
13) Acetone	2.630	43	1048	0.403	ug/l	89
14) Carbon Disulfide	2.797	76	7249	0.189	ug/l	95
15) Methylene Chloride	3.051	84	5792	0.345	ug/l	95
16) trans-1,2-Dichloroethene	3.356	96	2617	0.204	ug/l	91
17) 1,1-Dichloroethane	3.871	63	6259	0.234	ug/l #	95
18) 2-Butanone	4.739	43	4773	1.166	ug/l	92
19) Cyclohexane	5.363	56	3991	0.206	ug/l	98
20) Methylcyclohexane	6.761	83	2567	0.168	ug/l	96
21) 2,2-Dichloropropane	4.668	77	4779	0.235	ug/l #	81
22) cis-1,2-Dichloroethene	4.665	96	3297	0.227	ug/l	98
23) Diethyl Ether	2.382	59	2079	0.195	ug/l #	84
24) tert-Butyl Alcohol	3.202	59	1575	1.167	ug/l #	84
25) Methyl tert-Butyl Ether	3.385	73	7554	0.229	ug/l	99
26) Bromochloromethane	4.970	128	1262	0.217	ug/l	84
27) Chloroform	5.080	83	6102	0.236	ug/l	86
28) 1,1,1-Trichloroethane	5.301	97	4545	0.206	ug/l	93
29) 1,1-Dichloropropene	5.501	75	4495	0.254	ug/l	90
30) Carbon Tetrachloride	5.498	117	3487	0.197	ug/l	92
31) Isopropyl Ether	4.012	45	14771	0.356	ug/l	97
32) Ethyl-t-butyl ether	4.523	59	6603	0.203	ug/l	95
33) Tert-Amyl methyl ether	5.954	73	5975	0.281	ug/l #	93
34) Propionitrile	4.793	54	575	0.475	ug/l #	64
35) Benzene	5.755	78	12143	0.233	ug/l	95
36) 1,2-Dichloroethane	5.787	62	4022	0.253	ug/l #	95
37) Trichloroethene	6.536	130	2397	0.192	ug/l	97
38) 1,2-Dichloropropane	6.806	63	2702	0.193	ug/l	98
39) Methacrylonitrile	4.983	41	603	0.121	ug/l #	43
40) Methyl acrylate	4.864	55	1744	0.231	ug/l #	73
41) Tetrahydrofuran	5.080	42	940	0.378	ug/l #	74
42) 1-Chlorobutane	5.440	56	5674	0.225	ug/l	88
43) Dibromomethane	6.932	93	1617	0.215	ug/l	88
44) Bromodichloromethane	7.121	83	3857	0.217	ug/l	100

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Aug 25 14:01:59 2022
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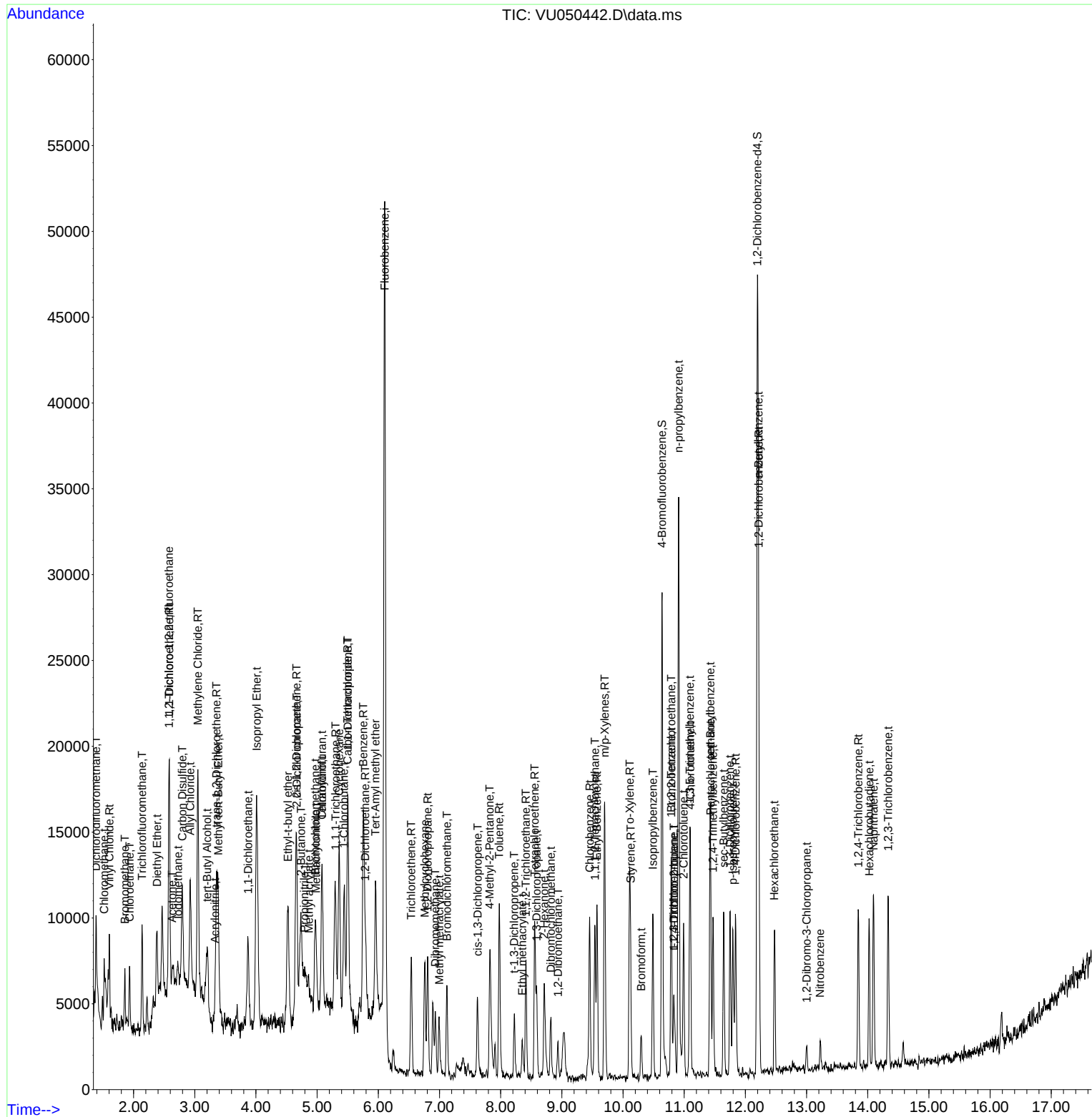
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.822	43	6840	0.905	ug/l #	93
46) t-1,4-Dichloro-2-butene	10.832	75	2826	1.134	ug/l #	36
47) Methyl methacrylate	6.999	69	1757	1.251	ug/l	92
48) Ethyl methacrylate	8.353	69	1568	0.669	ug/l	80
49) Toluene	7.977	92	4820	0.172	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	2295	0.166	ug/l #	75
51) cis-1,3-Dichloropropene	7.623	75	3259	0.206	ug/l #	84
52) 1,1,2-Trichloroethane	8.411	97	2259	0.204	ug/l #	88
53) 1,3-Dichloropropane	8.588	76	3208	0.184	ug/l	100
54) 2-Hexanone	8.713	43	4835	0.919	ug/l	84
55) Dibromochloromethane	8.822	129	2280	0.187	ug/l	99
56) 1,2-Dibromoethane	8.938	107	1816	0.183	ug/l	99
58) Tetrachloroethene	8.555	164	2157	0.184	ug/l	98
59) Chlorobenzene	9.456	112	5637	0.187	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.539	131	2496	0.197	ug/l #	81
61) Pentachloroethane	11.433	117	1980	0.188	ug/l	86
62) Hexachloroethane	12.472	117	1467	0.167	ug/l	96
63) Ethyl Benzene	9.575	91	7780	0.690	ug/l	96
64) m/p-Xylenes	9.700	106	5031	1.281	ug/l	96
65) o-Xylene	10.108	106	2613	0.621	ug/l	94
66) Styrene	10.124	104	4086	0.696	ug/l	97
67) Bromoform	10.298	173	1278	0.185	ug/l #	86
69) Isopropylbenzene	10.488	105	6511	0.672	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.790	83	2967	0.195	ug/l #	96
71) 1,2,3-Trichloropropane	10.832	75	2826	0.247	ug/l #	50
72) Bromobenzene	10.787	156	2164	0.166	ug/l	95
73) n-propylbenzene	10.909	120	5732	0.916	ug/l	99
74) 2-Chlorotoluene	10.989	126	1680	0.497	ug/l	89
75) 1,3,5-Trimethylbenzene	11.092	105	5715	0.625	ug/l	93
76) 4-Chlorotoluene	11.102	126	1527	0.494	ug/l	91
77) tert-Butylbenzene	11.427	119	6516	0.617	ug/l	86
78) 1,2,4-Trimethylbenzene	11.472	105	5558	0.660	ug/l	98
79) sec-Butylbenzene	11.645	105	7291	0.649	ug/l	97
80) Nitrobenzene	13.221	77	1229	1.488	ug/l #	70
81) p-Isopropyltoluene	11.793	119	5613	0.699	ug/l	93
82) 1,3-Dichlorobenzene	11.748	146	4817	0.180	ug/l	98
83) 1,4-Dichlorobenzene	11.841	146	4565	0.171	ug/l	96
84) n-Butylbenzene	12.214	91	5977	0.696	ug/l	93
85) 1,2-Dichlorobenzene	12.218	146	4539	0.172	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	428	0.178	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.848	180	3839	0.255	ug/l	98
88) Hexachlorobutadiene	14.025	225	1680	0.172	ug/l	96
89) Naphthalene	14.095	128	9438	1.170	ug/l	97
90) 1,2,3-Trichlorobenzene	14.333	180	3780	0.678	ug/l	98

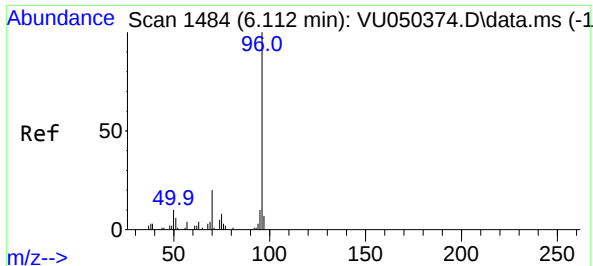
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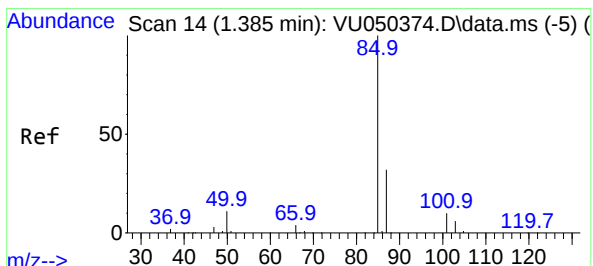
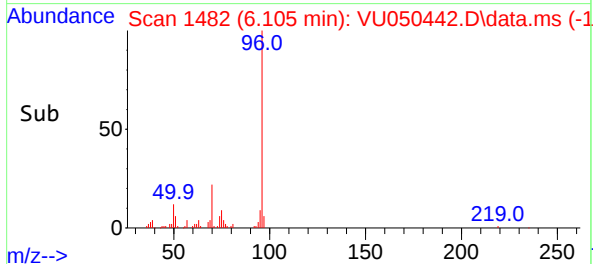
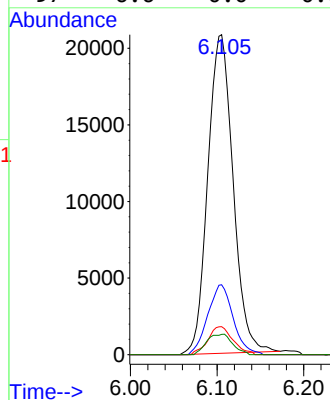
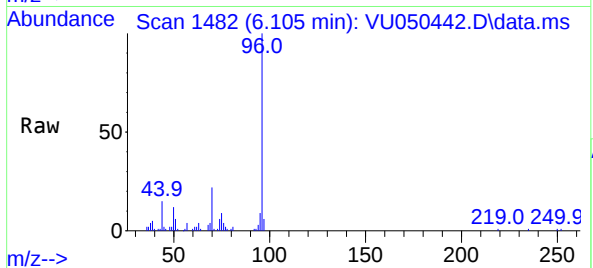


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.105 min Scan# 14
Delta R.T. -0.010 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

Tgt Ion: 96 Resp: 42146

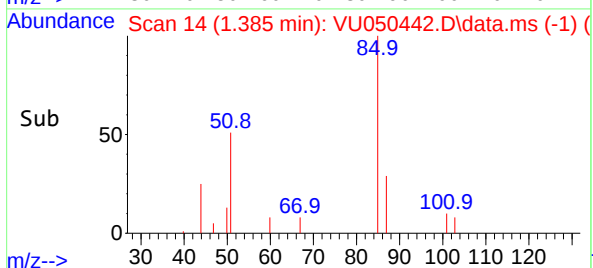
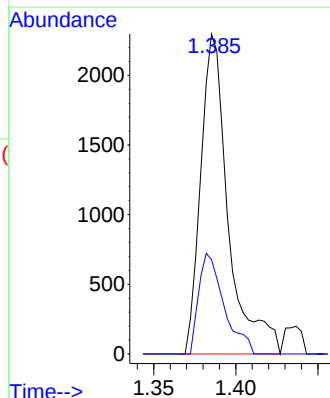
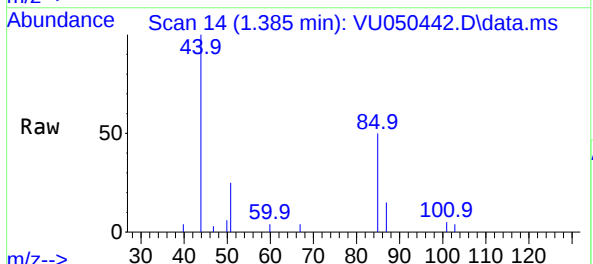
Ion	Ratio	Lower	Upper
96	100		
70	22.1	16.7	25.1
95	8.8	7.4	11.0
97	6.6	0.0	0.0

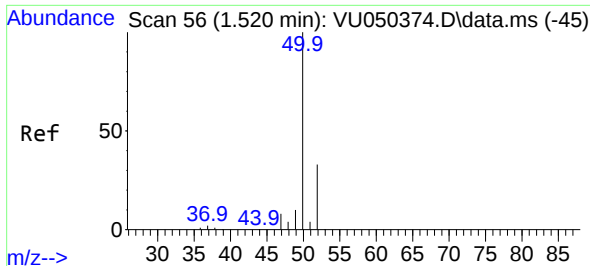


#2
Dichlorodifluoromethane
Concen: 0.153 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 85 Resp: 2676

Ion	Ratio	Lower	Upper
85	100		
87	29.5	16.3	48.8

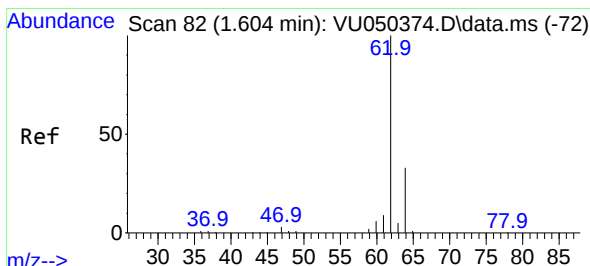
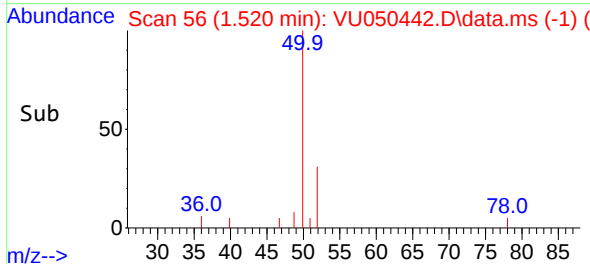
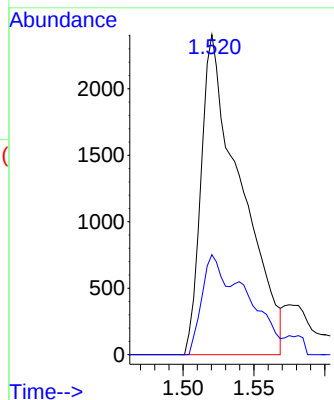
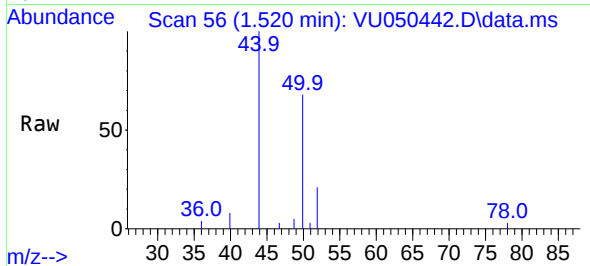




#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

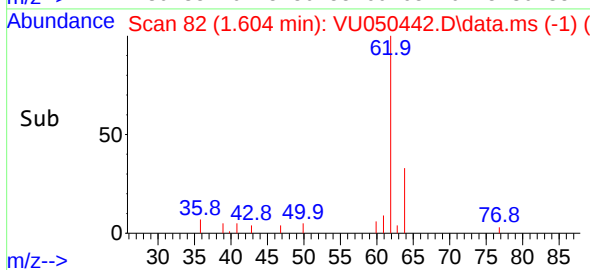
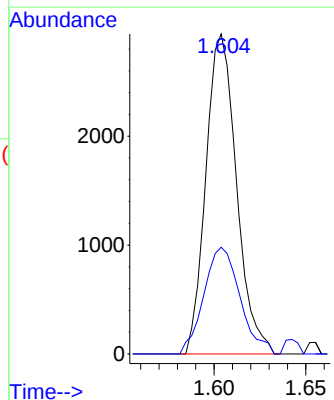
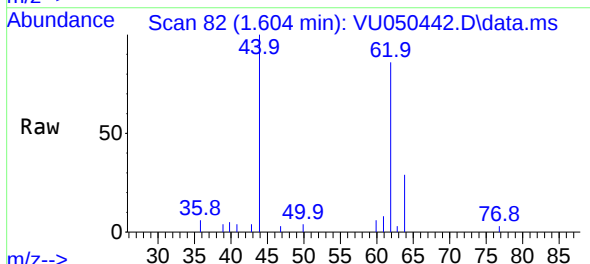
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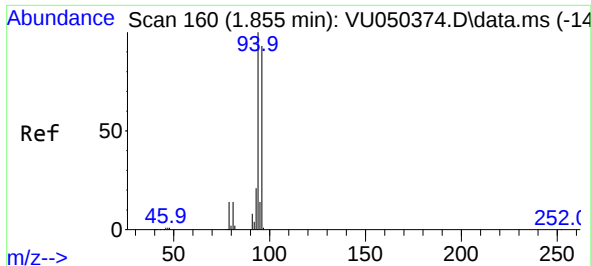
Tgt Ion: 50 Resp: 4661
Ion Ratio Lower Upper
50 100
52 31.2 26.1 39.1



#4
Vinyl Chloride
Concen: 0.188 ug/l
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 62 Resp: 3407
Ion Ratio Lower Upper
62 100
64 33.4 25.5 38.3

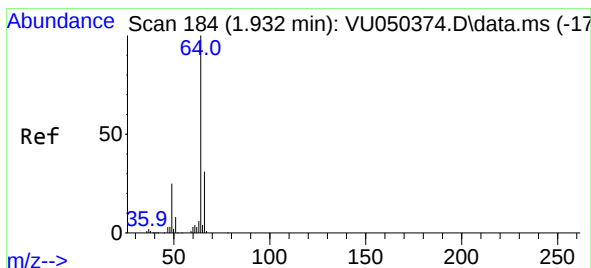
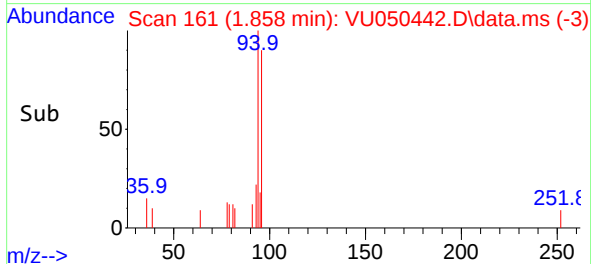
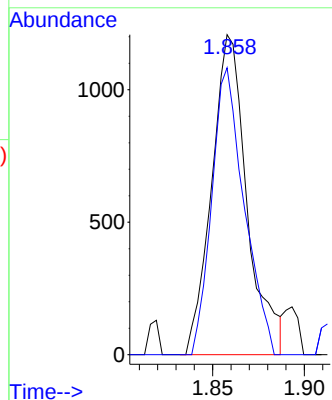
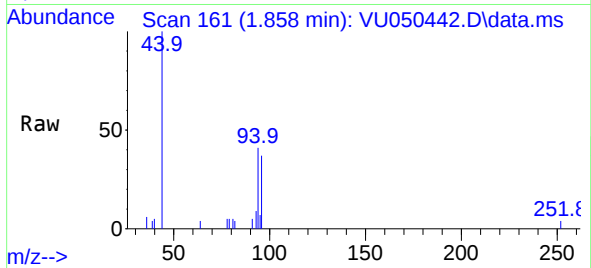




#5
Bromomethane
Concen: 0.219 ug/l
RT: 1.858 min Scan# 161
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

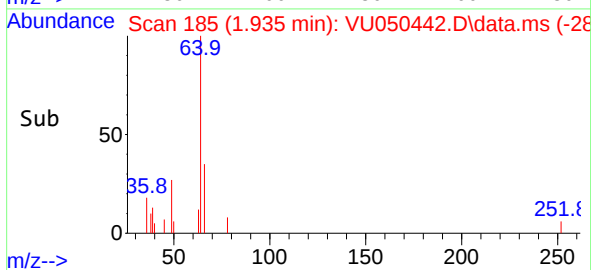
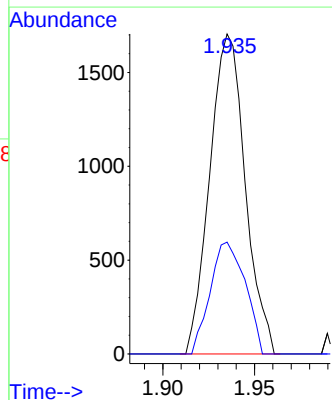
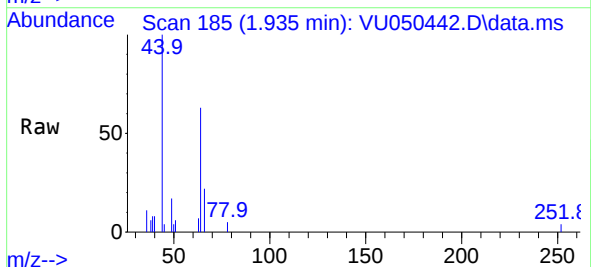
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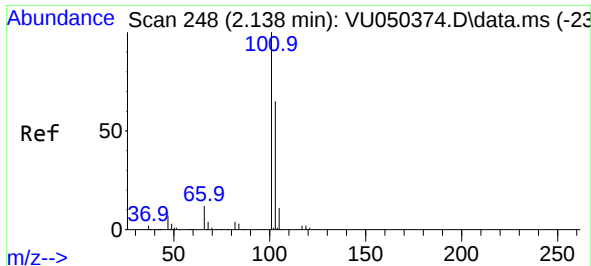
Tgt Ion: 94 Resp: 1625
Ion Ratio Lower Upper
94 100
96 89.7 73.0 109.6



#6
Chloroethane
Concen: 0.209 ug/l
RT: 1.935 min Scan# 185
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 64 Resp: 2293
Ion Ratio Lower Upper
64 100
66 35.0 25.8 38.6

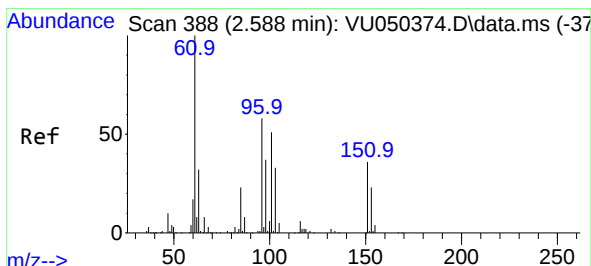
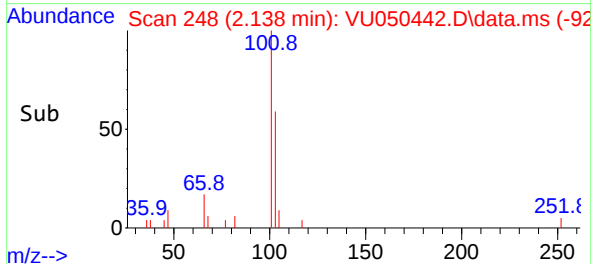
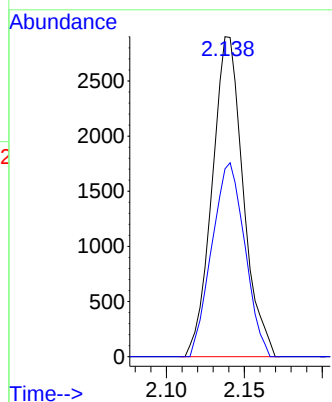
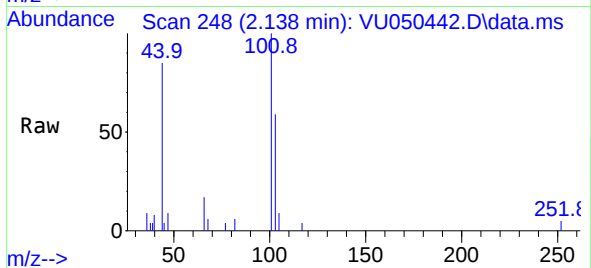




#7
Trichlorofluoromethane
Concen: 0.178 ug/l
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU050442.D
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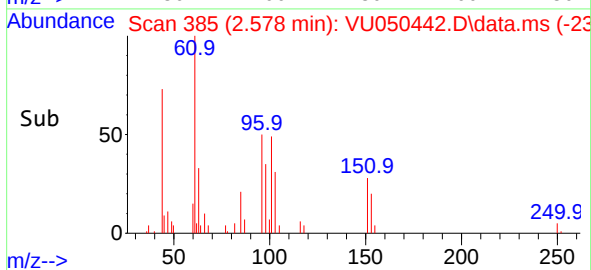
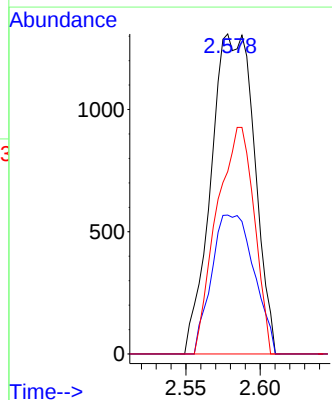
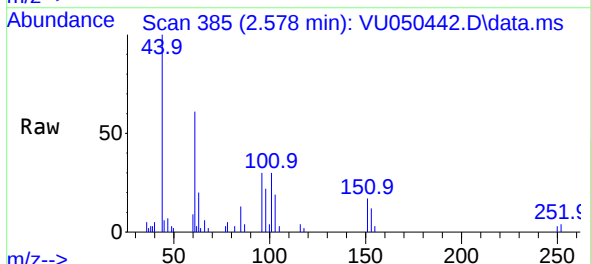
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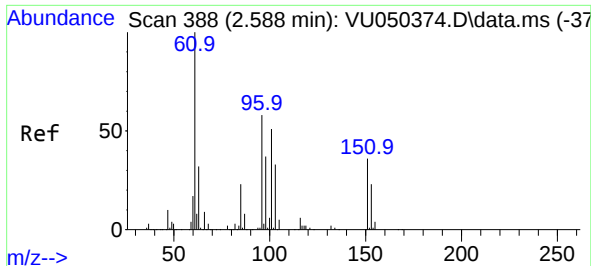
Tgt Ion:101 Resp: 4019
Ion Ratio Lower Upper
101 100
103 58.7 51.8 77.6



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.210 ug/l
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:101 Resp: 2662
Ion Ratio Lower Upper
101 100
85 42.4 36.4 54.6
151 61.0 59.1 88.7

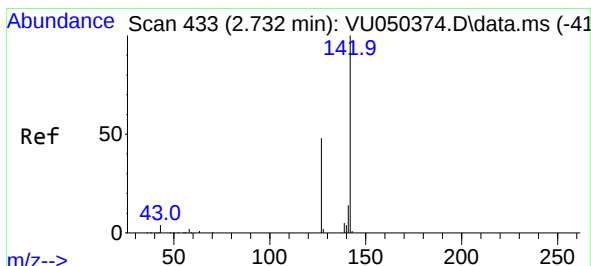
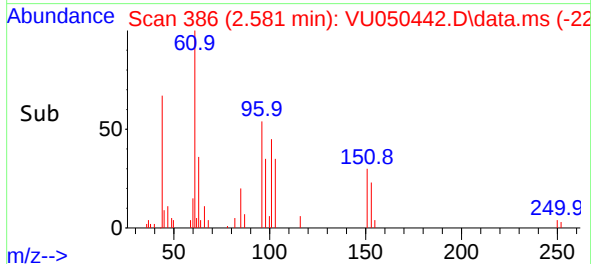
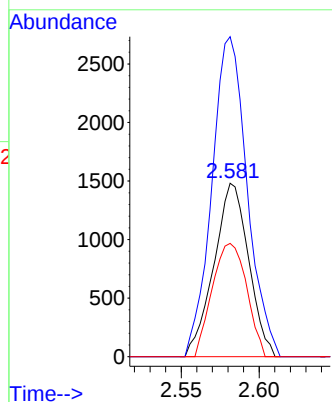
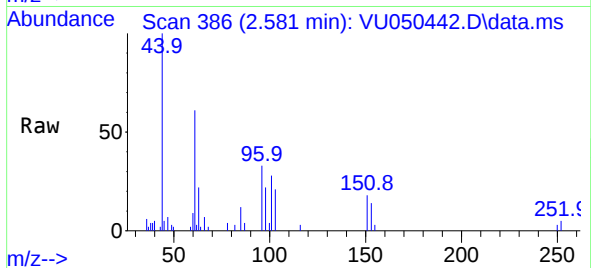




#9
1,1-Dichloroethene
Concen: 0.185 ug/l
RT: 2.581 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

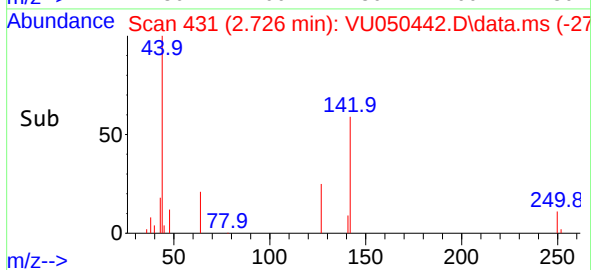
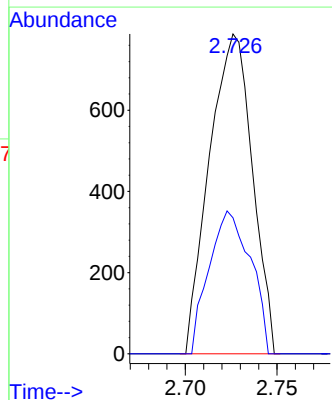
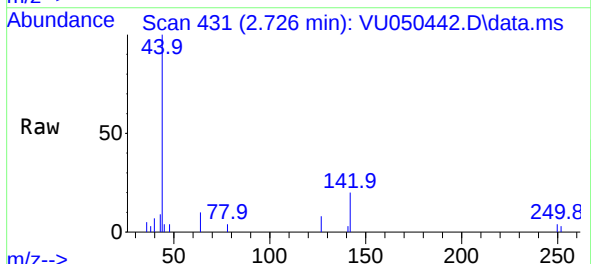
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ClientSampleId :
WS-OXYGENATES

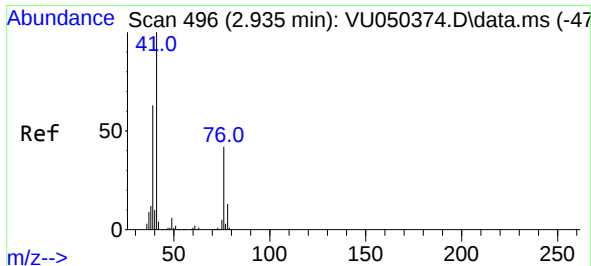
Tgt Ion: 96 Resp: 2293
Ion Ratio Lower Upper
96 100
61 184.4 0.0 510.6
98 65.2 0.0 124.6



#10
Iodomethane
Concen: 0.126 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 142 Resp: 1285
Ion Ratio Lower Upper
142 100
127 43.1 38.2 57.2





#11

Allyl Chloride

Concen: 0.229 ug/l

RT: 2.925 min Scan# 496

Delta R.T. 0.003 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

Instrument :

MSVOA_U

ClientSampleId :

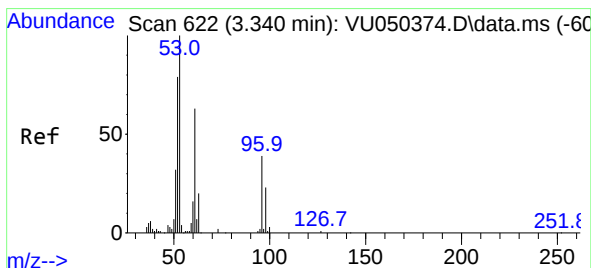
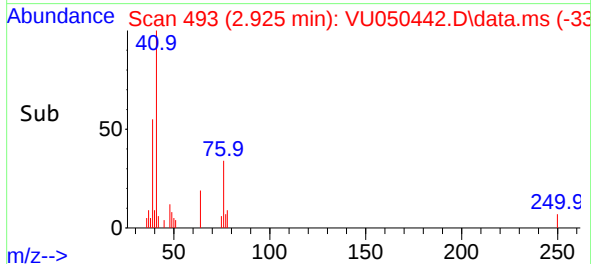
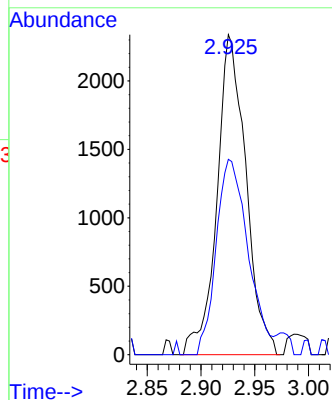
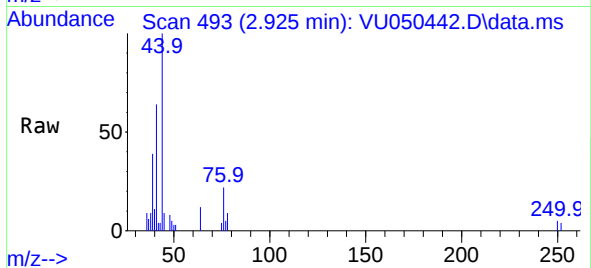
WS-OXYGENATES

Tgt Ion: 41 Resp: 4379

Ion Ratio Lower Upper

41 100

39 67.2 53.2 79.8



#12

Acrylonitrile

Concen: 0.349 ug/l

RT: 3.330 min Scan# 619

Delta R.T. 0.013 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

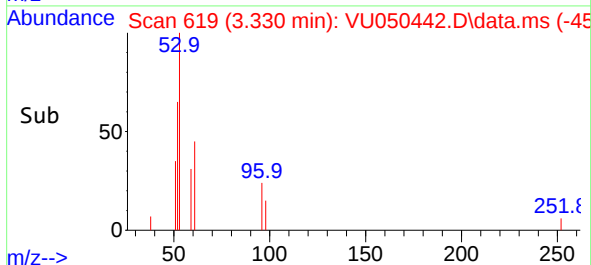
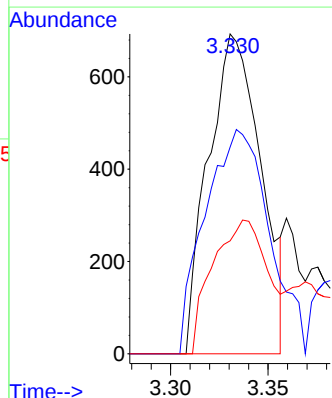
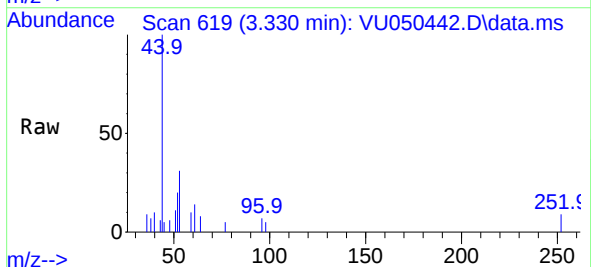
Tgt Ion: 53 Resp: 1300

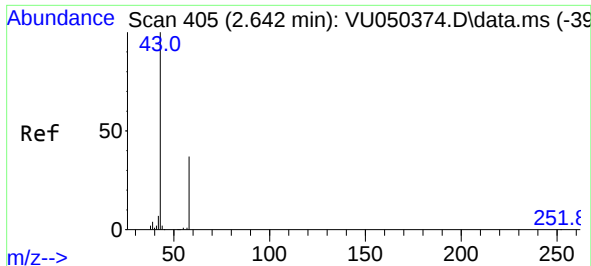
Ion Ratio Lower Upper

53 100

52 85.5 64.6 97.0

51 43.8 30.7 46.1

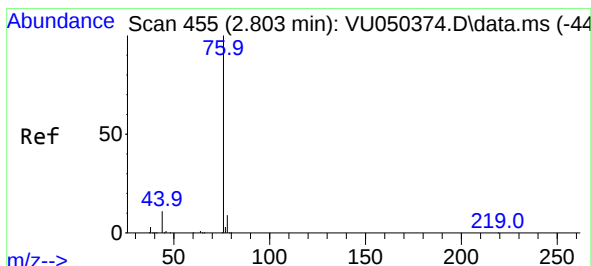
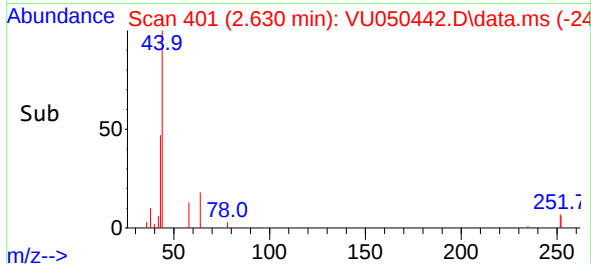
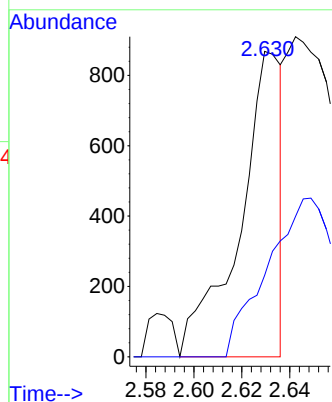
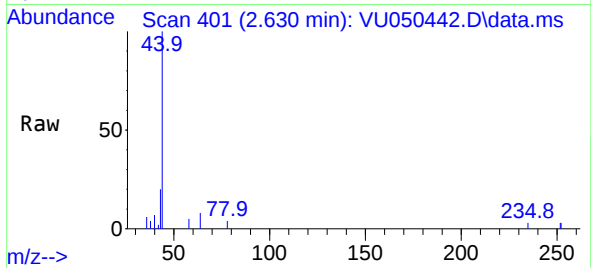




#13
Acetone
Concen: 0.403 ug/l
RT: 2.630 min Scan# 405
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

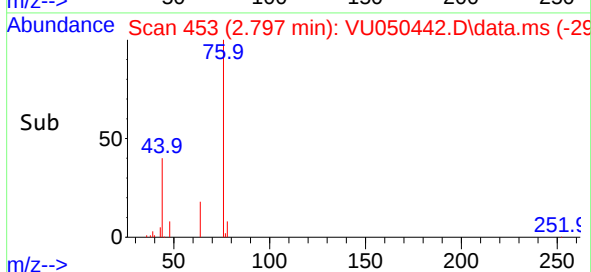
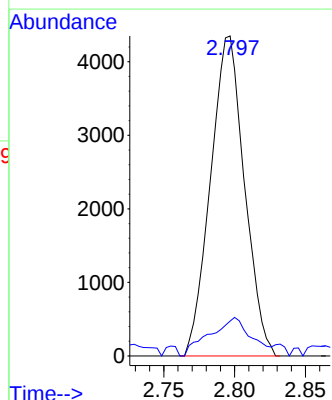
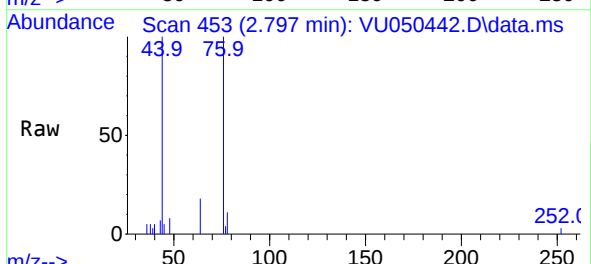
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

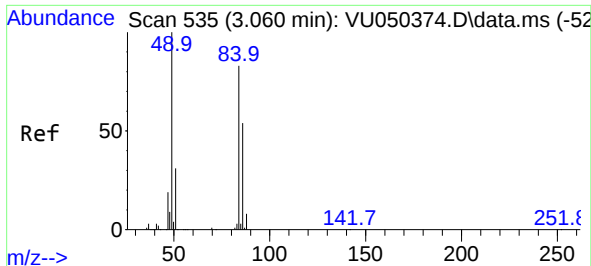
Tgt Ion: 43 Resp: 1048
Ion Ratio Lower Upper
43 100
58 26.7 26.2 39.2



#14
Carbon Disulfide
Concen: 0.189 ug/l
RT: 2.797 min Scan# 453
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 76 Resp: 7249
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.0

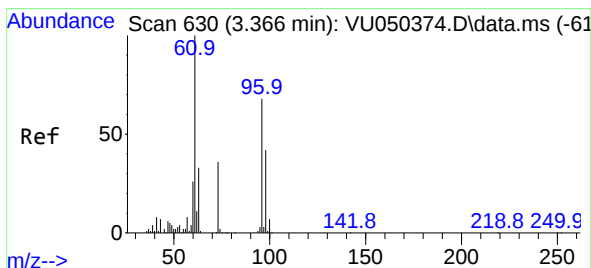
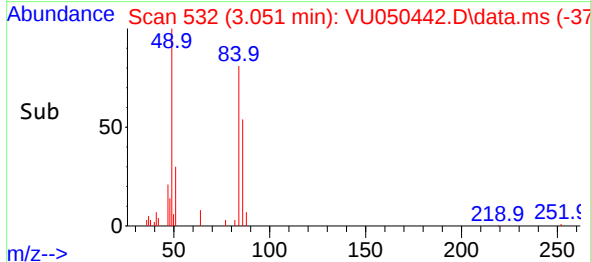
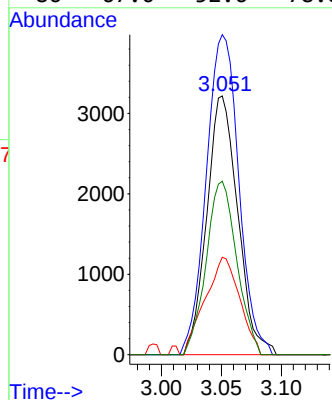
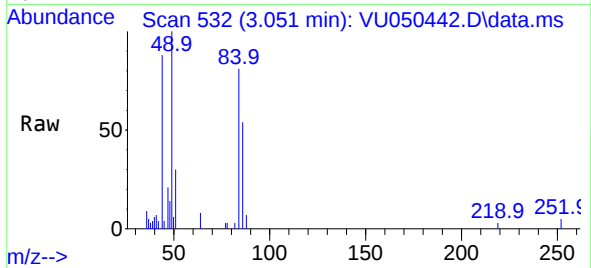




#15
Methylene Chloride
Concen: 0.345 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

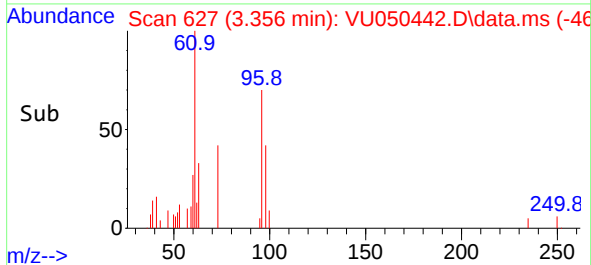
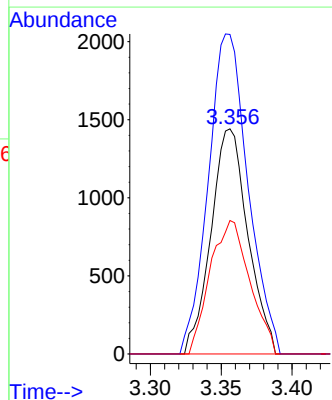
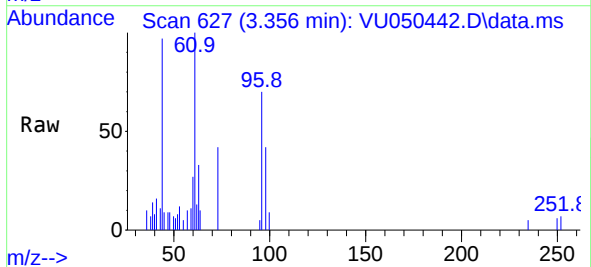
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

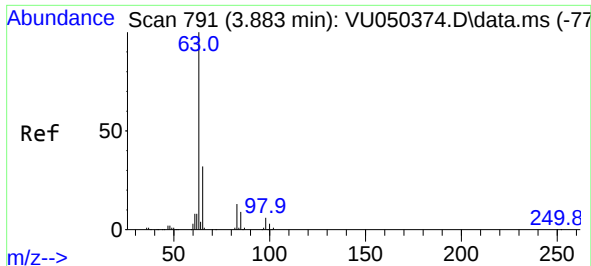
Tgt Ion: 84 Resp: 5792
Ion Ratio Lower Upper
84 100
49 123.7 104.6 157.0
51 37.7 0.0 81.4
86 67.0 52.6 78.8



#16
trans-1,2-Dichloroethene
Concen: 0.204 ug/l
RT: 3.356 min Scan# 627
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 96 Resp: 2617
Ion Ratio Lower Upper
96 100
61 141.9 123.4 185.0
98 59.3 51.6 77.4

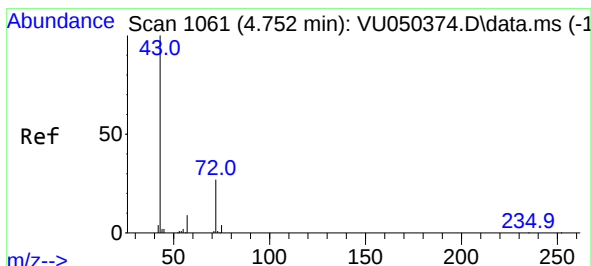
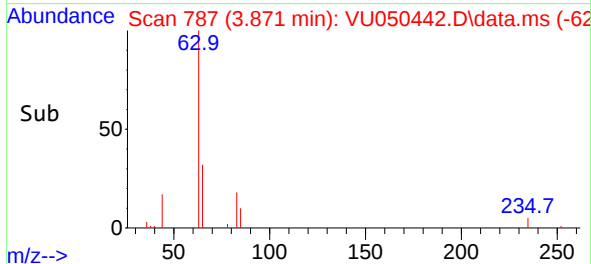
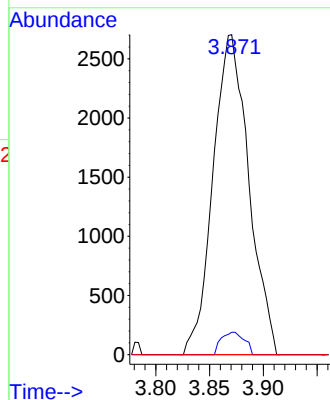
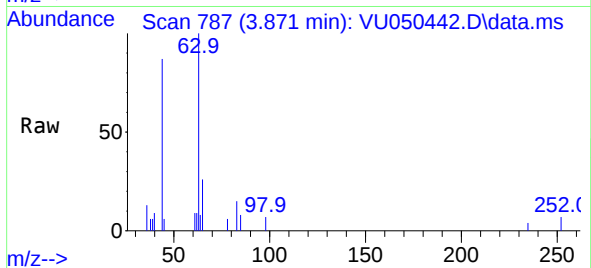




#17
1,1-Dichloroethane
Concen: 0.234 ug/l
RT: 3.871 min Scan# 71
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

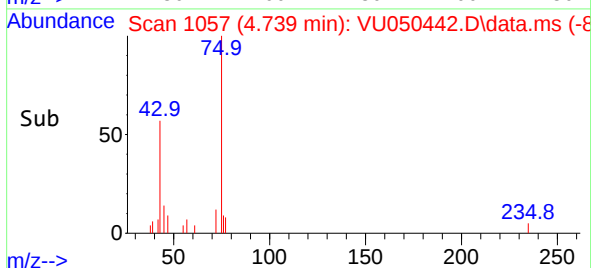
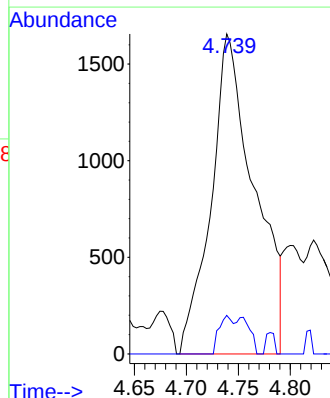
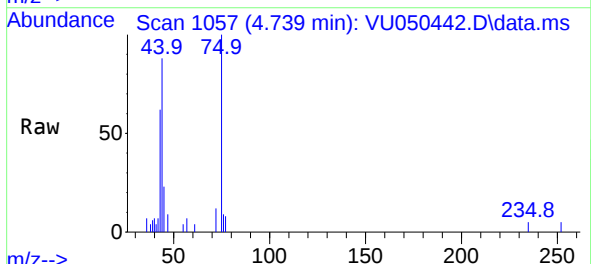
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

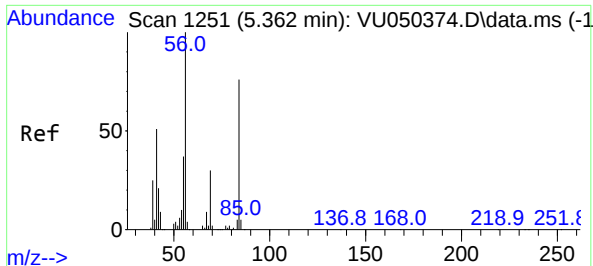
Tgt Ion: 63 Resp: 6259
Ion Ratio Lower Upper
63 100
98 7.0 3.4 10.2
100 0.0 2.0 6.0#



#18
2-Butanone
Concen: 1.166 ug/l
RT: 4.739 min Scan# 1057
Delta R.T. 0.019 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 43 Resp: 4773
Ion Ratio Lower Upper
43 100
57 12.0 0.0 18.0

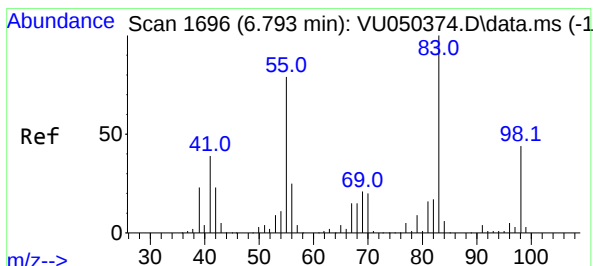
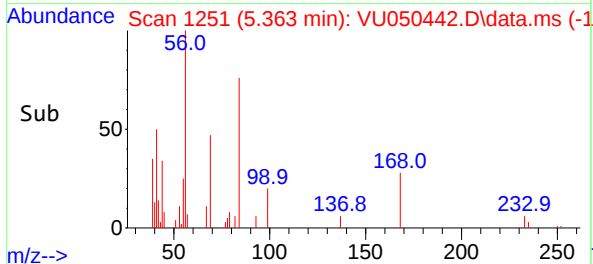
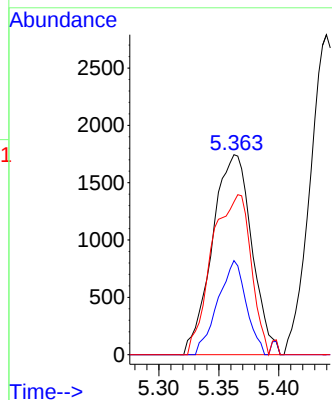
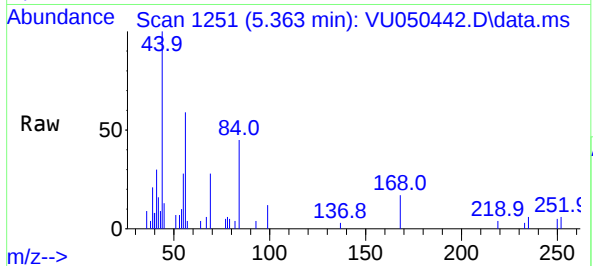




#19
Cyclohexane
Concen: 0.206 ug/l
RT: 5.363 min Scan# 11
Delta R.T. -0.022 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

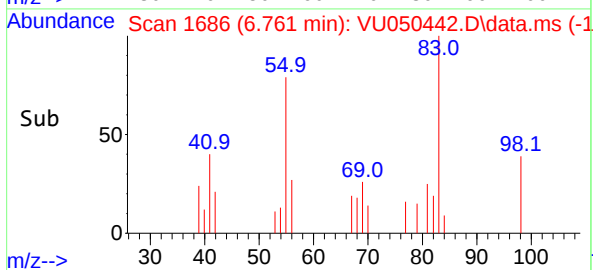
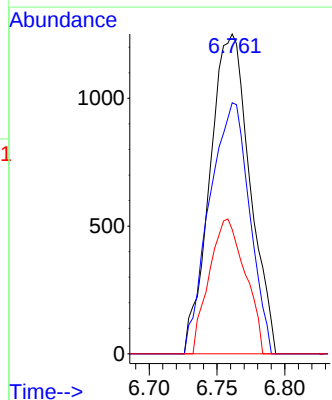
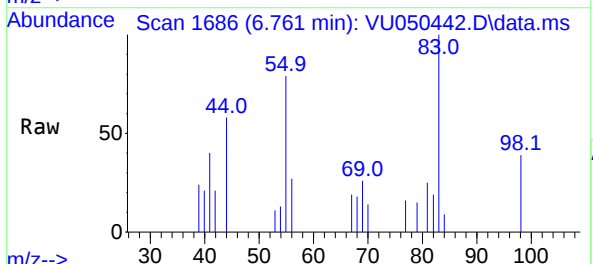
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

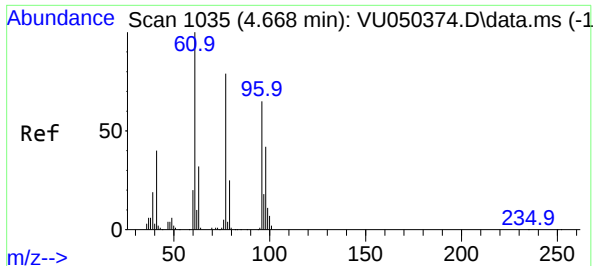
Tgt Ion:	56	Resp:	3991
Ion Ratio	Lower	Upper	
56	100		
69	33.9	24.2	36.4
84	79.3	63.4	95.2



#20
Methylcyclohexane
Concen: 0.168 ug/l
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:	83	Resp:	2567
Ion Ratio	Lower	Upper	
83	100		
55	78.5	63.0	94.4
98	37.9	35.7	53.5

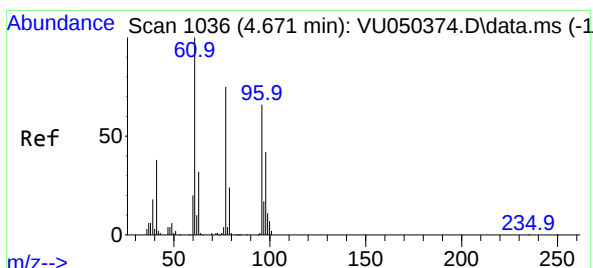
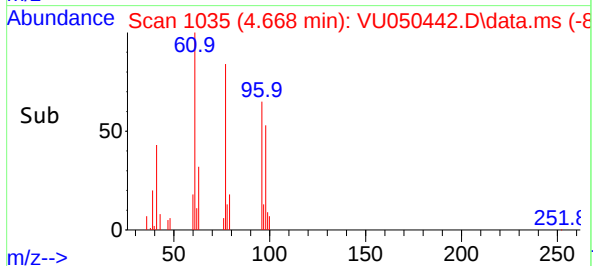
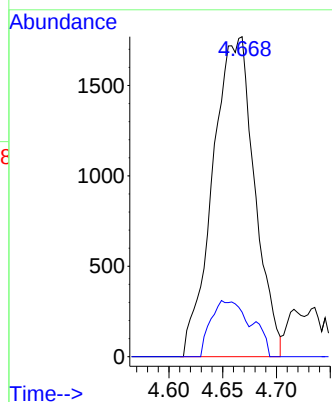
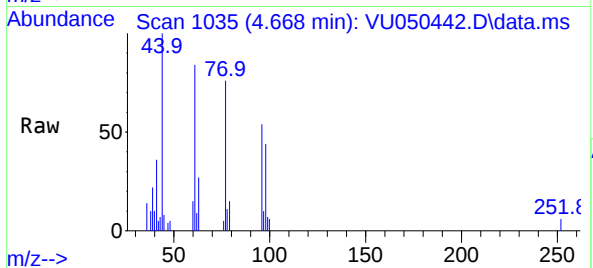




#21
2,2-Dichloropropane
Concen: 0.235 ug/l
RT: 4.668 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

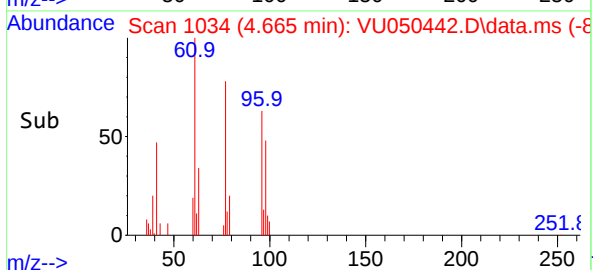
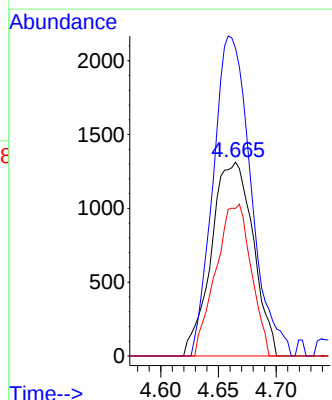
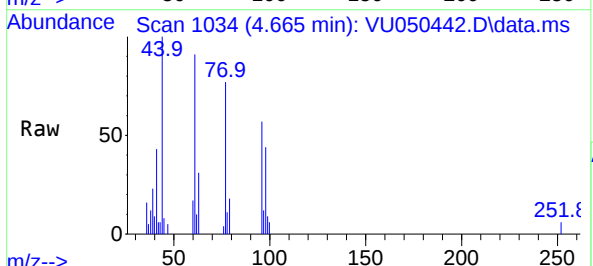
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

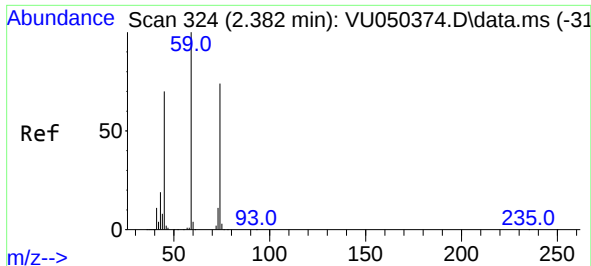
Tgt Ion: 77 Resp: 4779
Ion Ratio Lower Upper
77 100
97 13.7 18.5 27.7#



#22
cis-1,2-Dichloroethene
Concen: 0.227 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 96 Resp: 3297
Ion Ratio Lower Upper
96 100
61 149.6 0.0 375.8
98 66.2 31.6 95.0

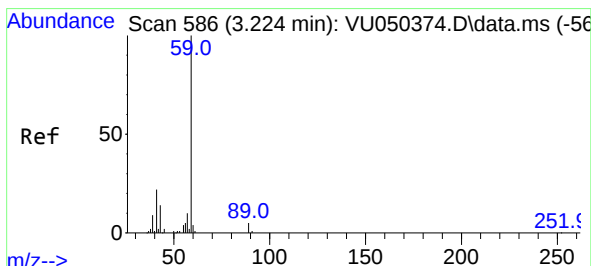
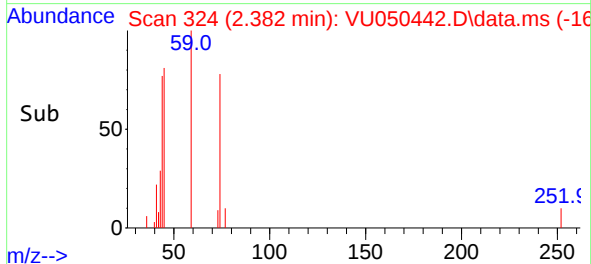
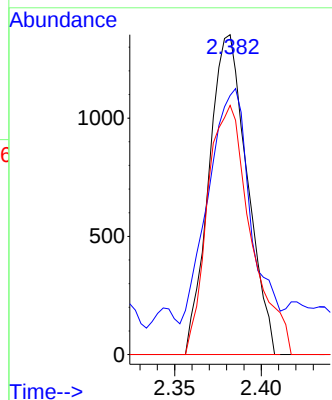
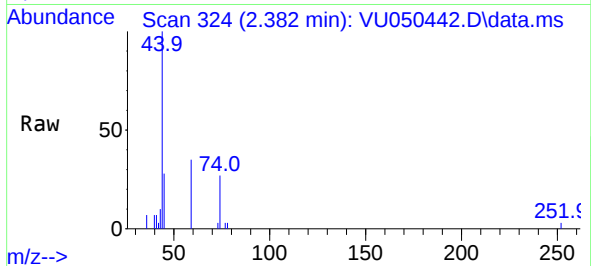




#23
Diethyl Ether
Concen: 0.195 ug/l
RT: 2.382 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

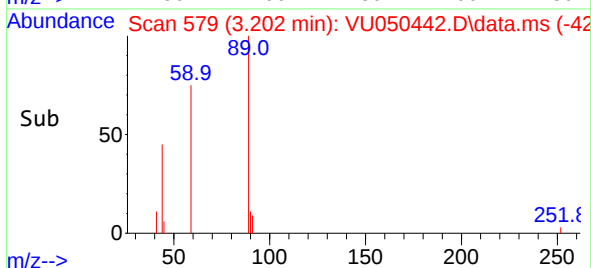
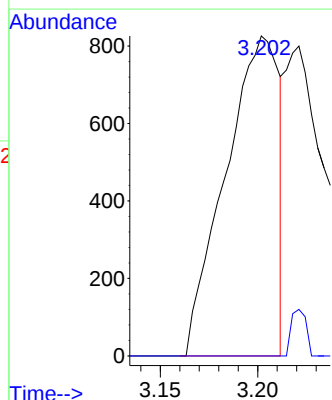
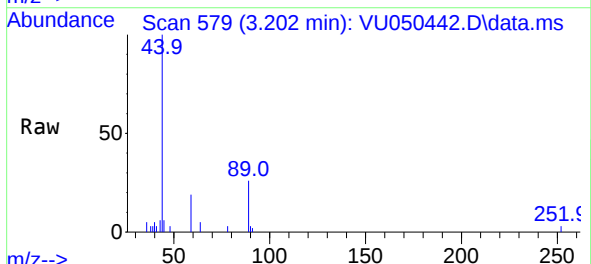
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

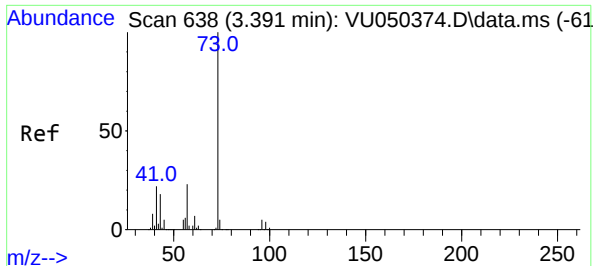
Tgt Ion: 59 Resp: 2079
Ion Ratio Lower Upper
59 100
45 79.5 56.0 84.0
74 88.2 57.6 86.4#



#24
tert-Butyl Alcohol
Concen: 1.167 ug/l
RT: 3.202 min Scan# 579
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 59 Resp: 1575
Ion Ratio Lower Upper
59 100
57 4.1 8.2 12.2#

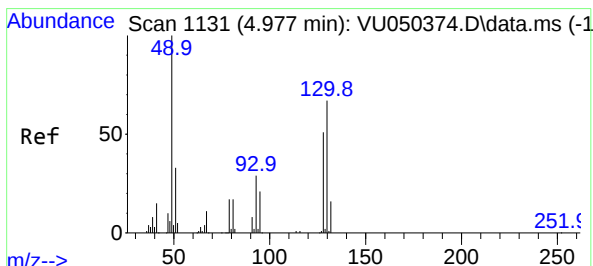
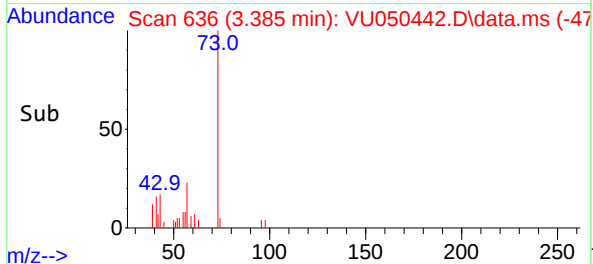
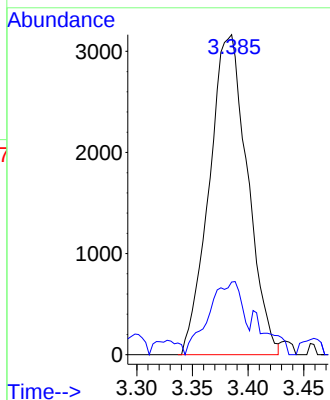
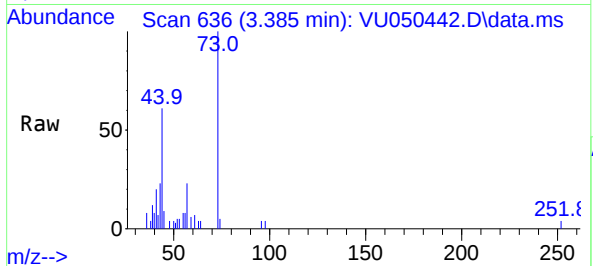




#25
Methyl tert-Butyl Ether
Concen: 0.229 ug/l
RT: 3.385 min Scan# 61
Delta R.T. 0.016 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

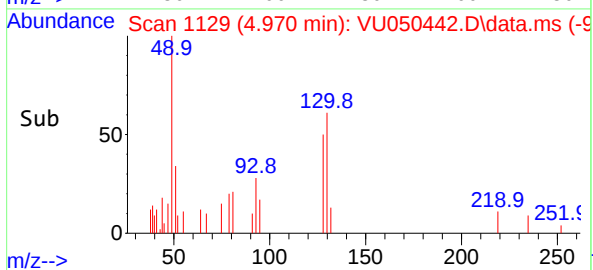
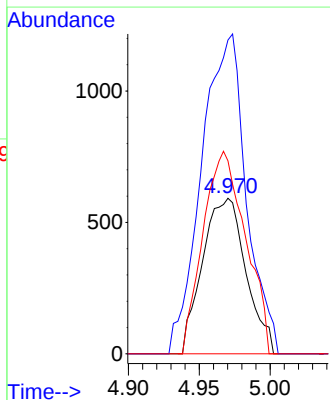
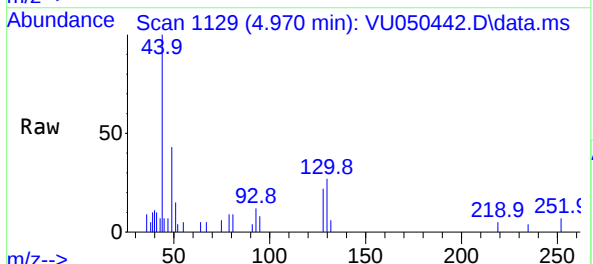
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

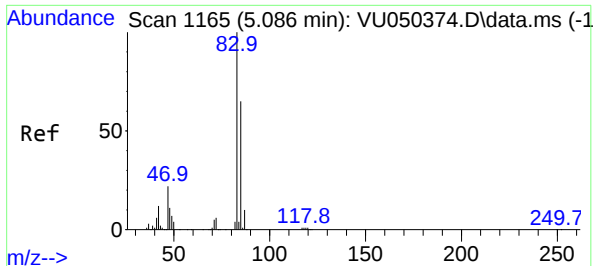
Tgt Ion: 73 Resp: 7554
Ion Ratio Lower Upper
73 100
43 20.4 15.9 23.9



#26
Bromochloromethane
Concen: 0.217 ug/l
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 128 Resp: 1262
Ion Ratio Lower Upper
128 100
49 211.6 0.0 349.2
130 127.8 103.0 154.6

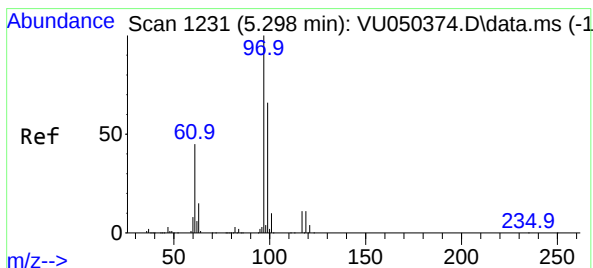
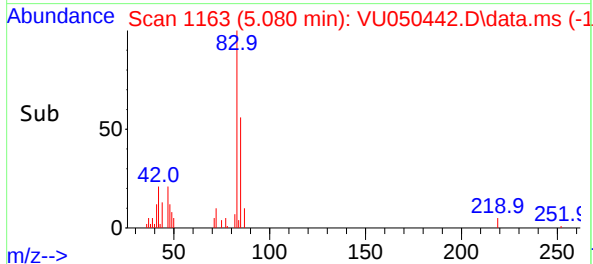
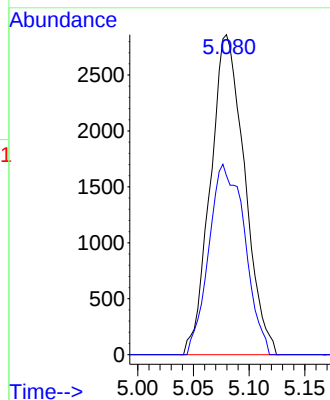
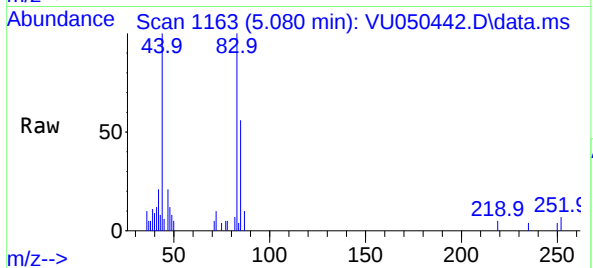




#27
Chloroform
Concen: 0.236 ug/l
RT: 5.080 min Scan# 1163
Delta R.T. -0.009 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

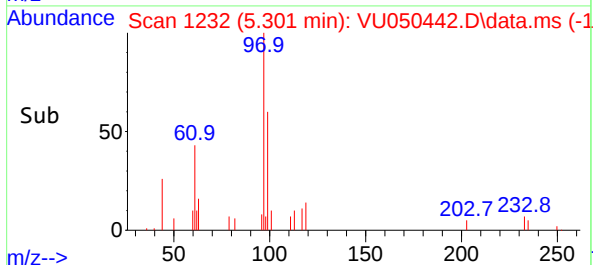
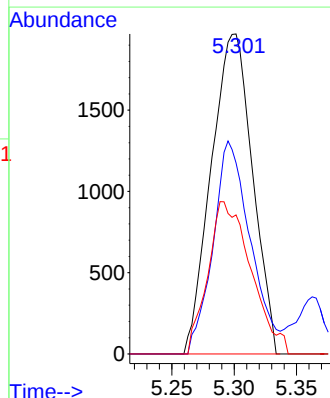
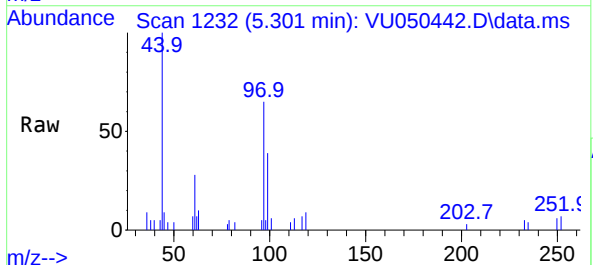
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

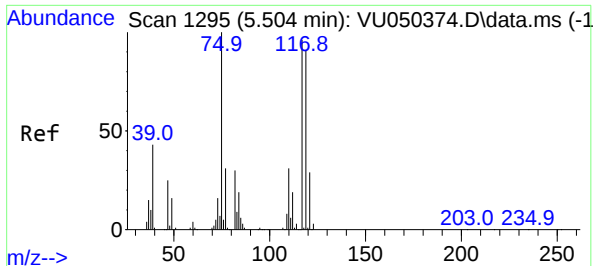
Tgt Ion: 83 Resp: 6102
Ion Ratio Lower Upper
83 100
85 55.9 0.0 133.6



#28
1,1,1-Trichloroethane
Concen: 0.206 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. -0.013 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 97 Resp: 4545
Ion Ratio Lower Upper
97 100
99 60.2 32.1 96.5
61 49.5 21.8 65.4

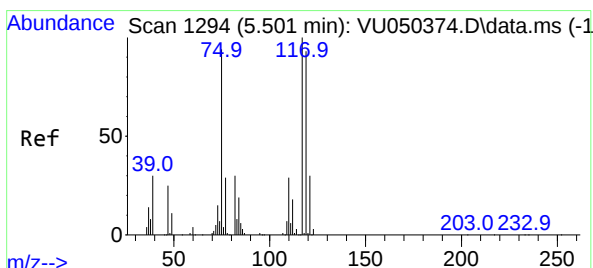
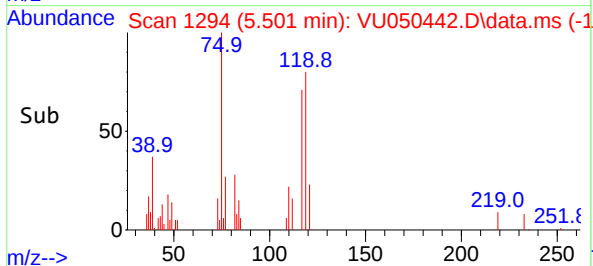
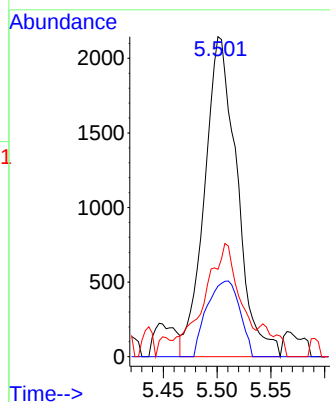
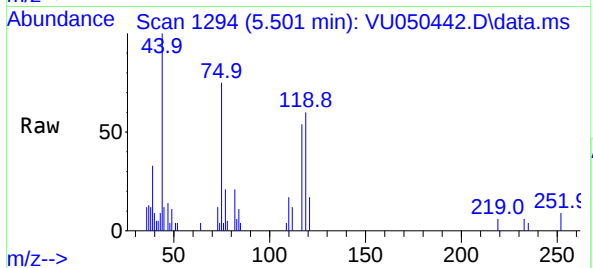




#29
1,1-Dichloropropene
Concen: 0.254 ug/l
RT: 5.501 min Scan# 1295
Delta R.T. -0.022 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

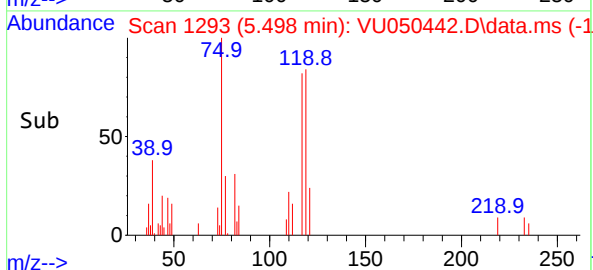
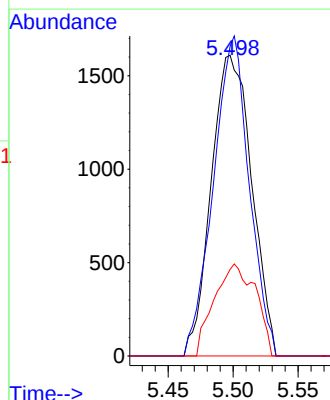
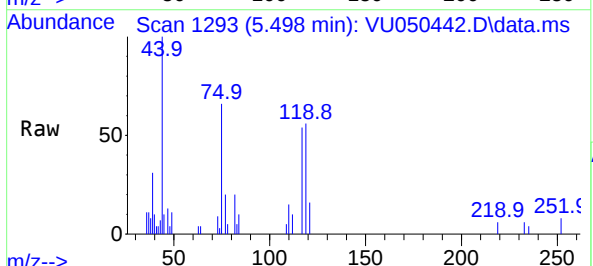
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

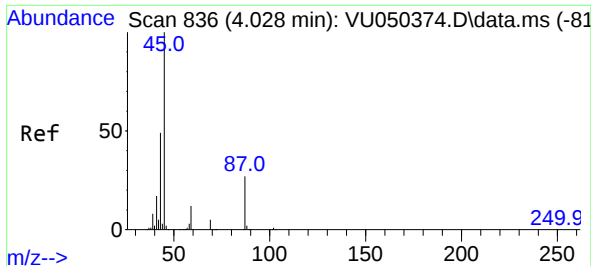
Tgt Ion:	75	Resp:	4495
Ion Ratio	Lower	Upper	
75	100		
110	23.8	17.3	52.0
77	30.3	24.6	37.0



#30
Carbon Tetrachloride
Concen: 0.197 ug/l
RT: 5.498 min Scan# 1293
Delta R.T. -0.022 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:	117	Resp:	3487
Ion Ratio	Lower	Upper	
117	100		
119	103.0	74.6	112.0
121	28.8	24.2	36.4

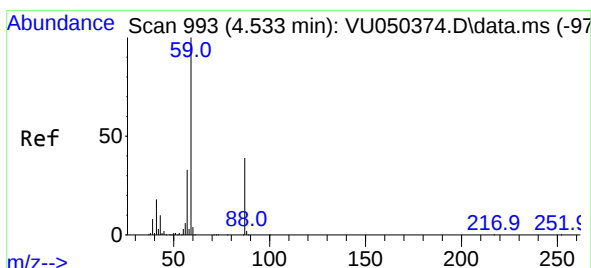
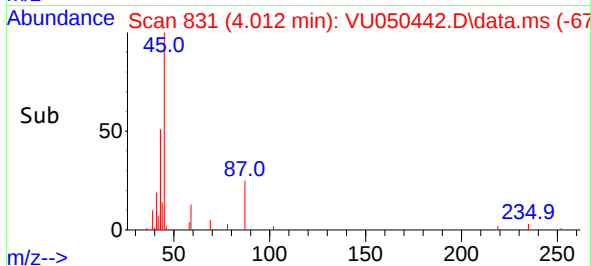
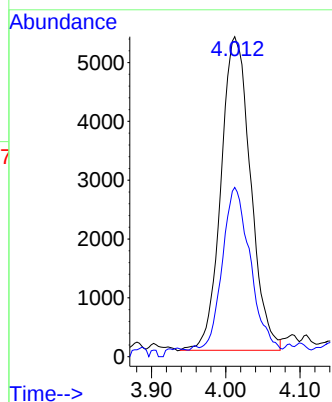
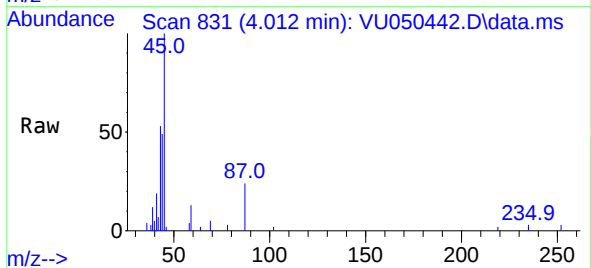




#31
Isopropyl Ether
Concen: 0.356 ug/l
RT: 4.012 min Scan# 81
Delta R.T. 0.010 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

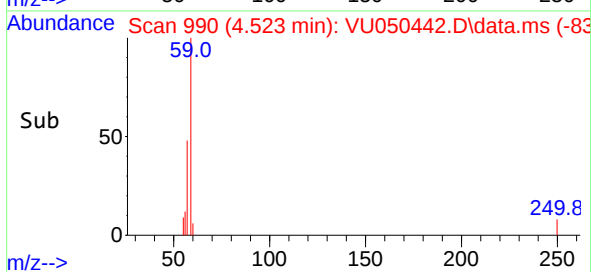
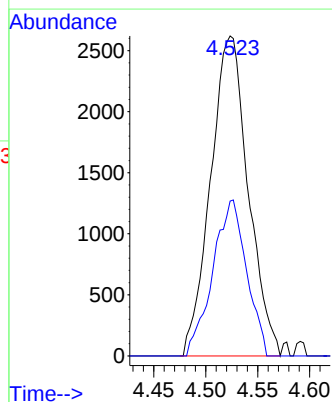
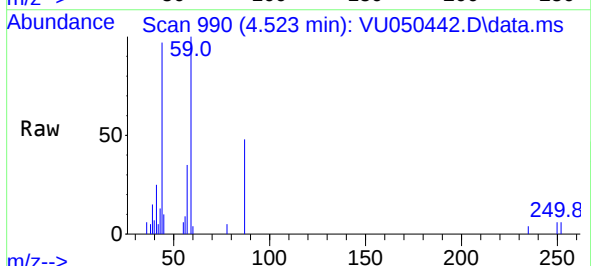
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

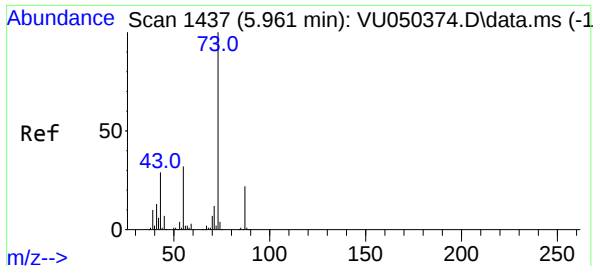
Tgt Ion: 45 Resp: 14771
Ion Ratio Lower Upper
45 100
43 49.7 23.8 71.2



#32
Ethyl-t-butyl ether
Concen: 0.203 ug/l
RT: 4.523 min Scan# 990
Delta R.T. 0.010 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 59 Resp: 6603
Ion Ratio Lower Upper
59 100
87 43.7 32.5 48.7

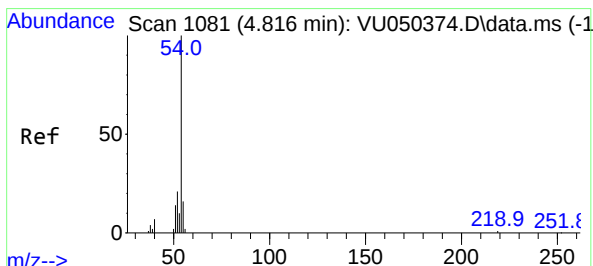
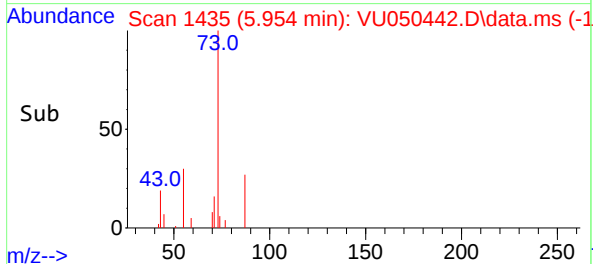
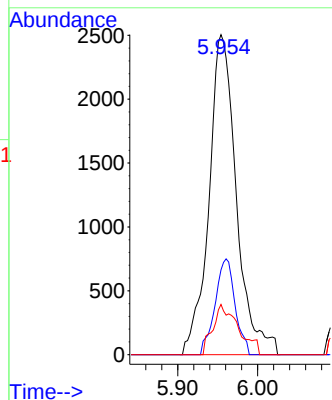
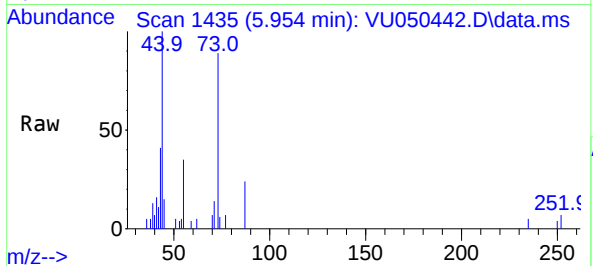




#33
Tert-Amyl methyl ether
Concen: 0.281 ug/l
RT: 5.954 min Scan# 1435
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

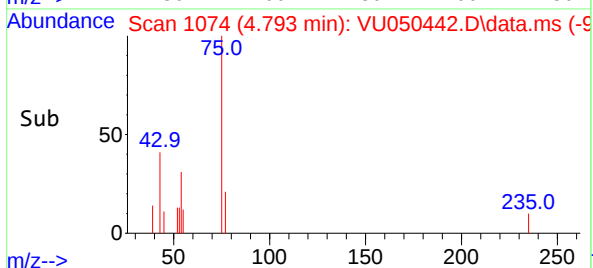
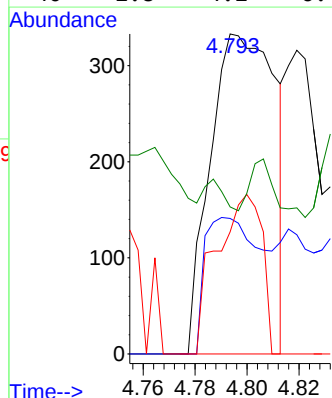
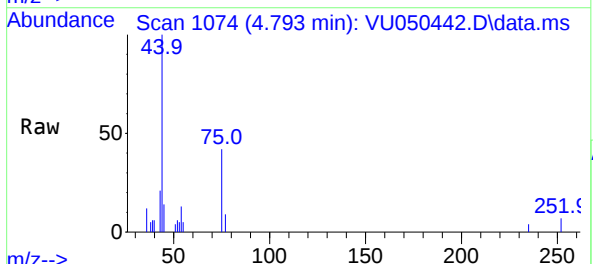
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

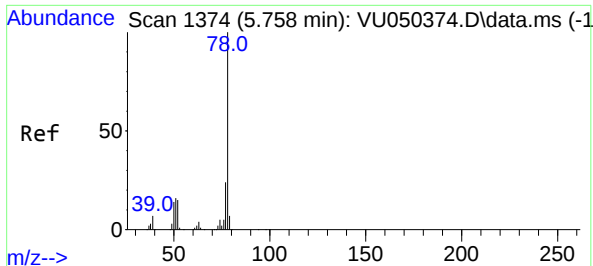
Tgt Ion: 73 Resp: 5975
Ion Ratio Lower Upper
73 100
87 21.8 19.7 29.5
71 14.6 9.0 13.4#



#34
Propionitrile
Concen: 0.475 ug/l
RT: 4.793 min Scan# 1074
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 54 Resp: 575
Ion Ratio Lower Upper
54 100
52 37.7 15.0 22.6#
55 0.0 12.6 19.0#
40 2.8 4.2 6.4#

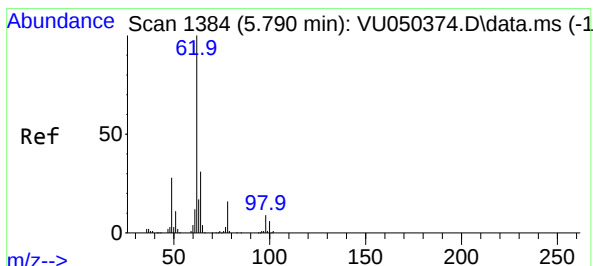
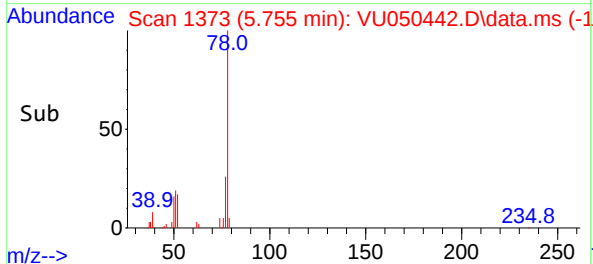
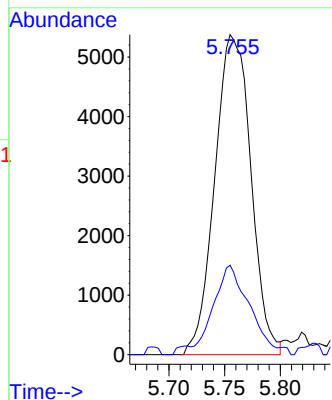
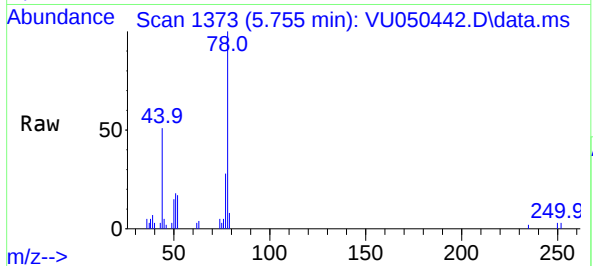




#35
Benzene
Concen: 0.233 ug/l
RT: 5.755 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

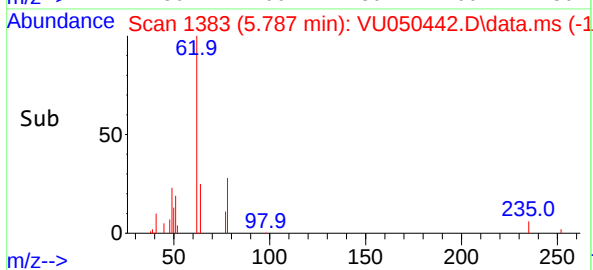
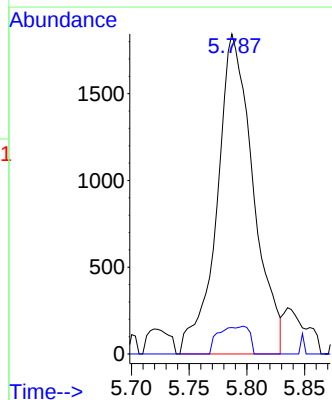
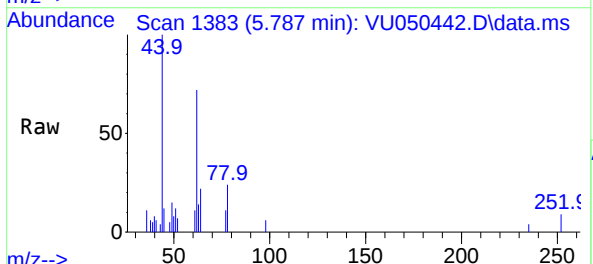
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

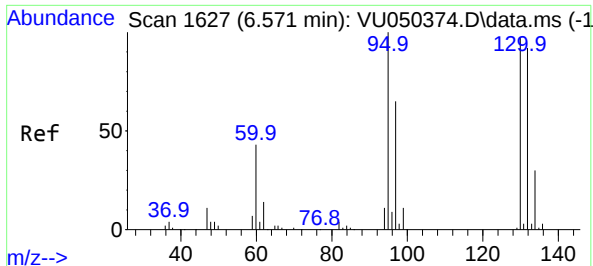
Tgt Ion: 78 Resp: 12143
Ion Ratio Lower Upper
78 100
77 25.8 18.6 28.0



#36
1,2-Dichloroethane
Concen: 0.253 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. -0.009 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 62 Resp: 4022
Ion Ratio Lower Upper
62 100
98 7.3 7.4 11.0#

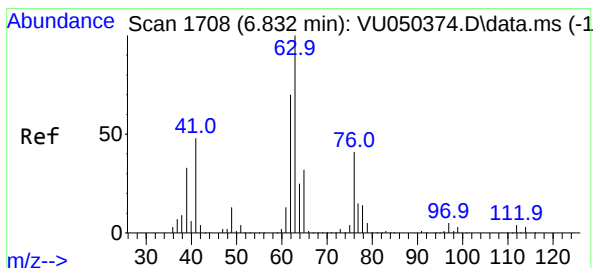
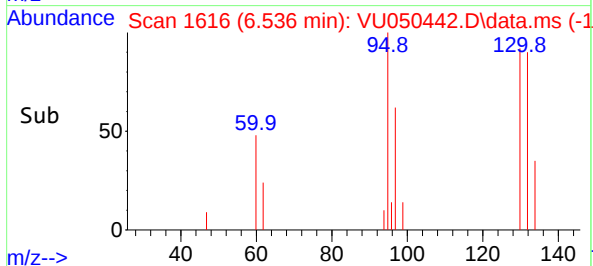
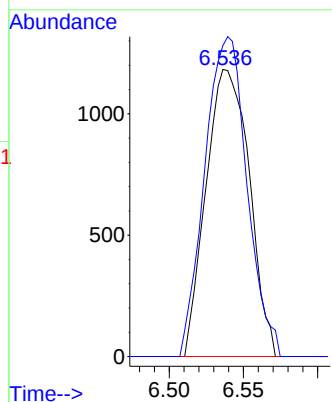
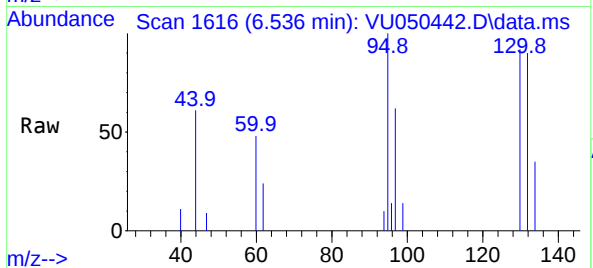




#37
Trichloroethene
Concen: 0.192 ug/l
RT: 6.536 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

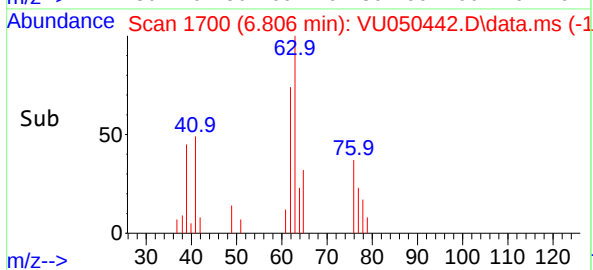
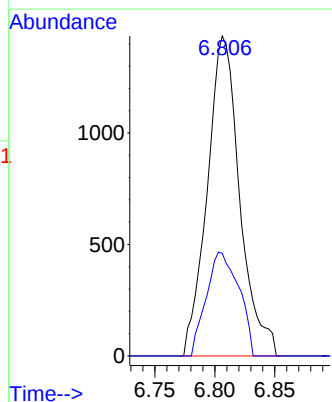
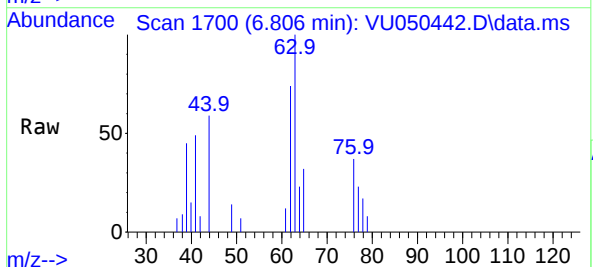
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

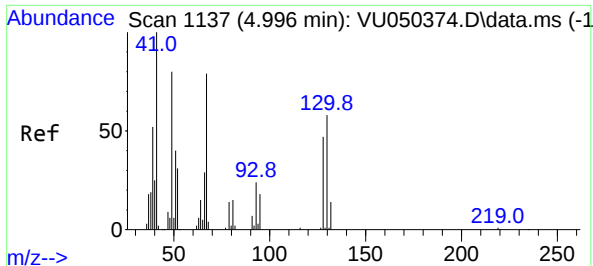
Tgt Ion:130 Resp: 2397
Ion Ratio Lower Upper
130 100
95 108.4 83.8 125.8



#38
1,2-Dichloropropane
Concen: 0.193 ug/l
RT: 6.806 min Scan# 1700
Delta R.T. 0.013 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 63 Resp: 2702
Ion Ratio Lower Upper
63 100
65 32.1 25.0 37.4

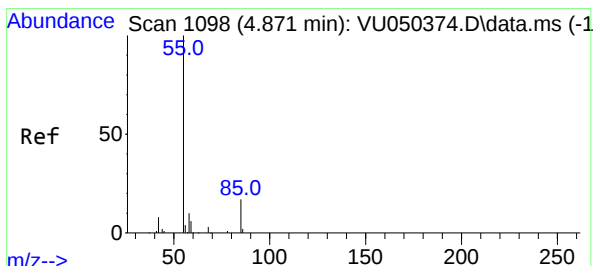
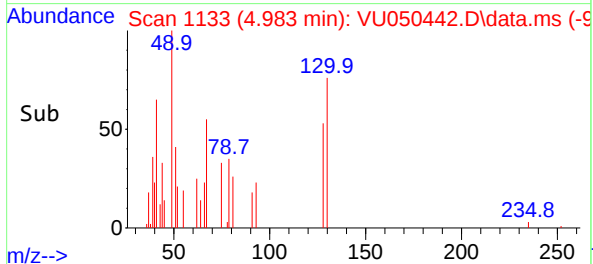
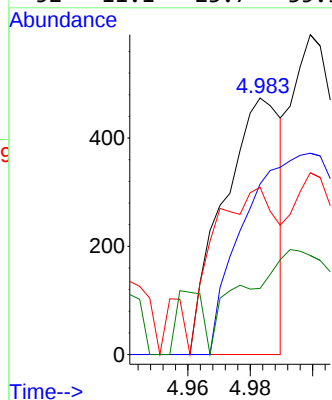
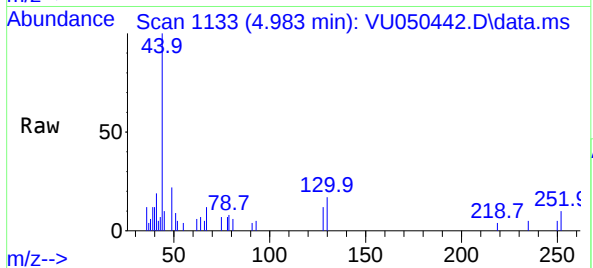




#39
Methacrylonitrile
Concen: 0.121 ug/l
RT: 4.983 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

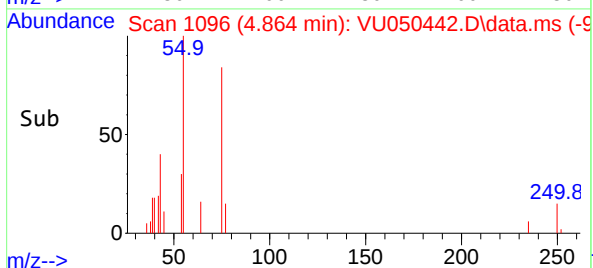
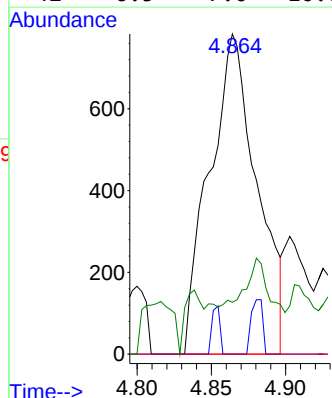
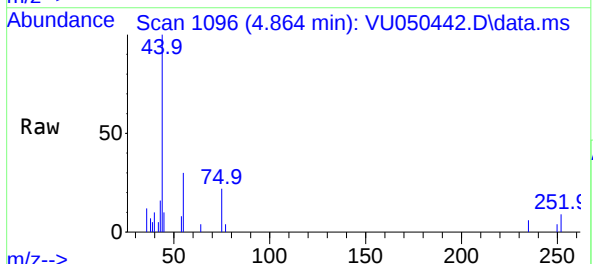
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

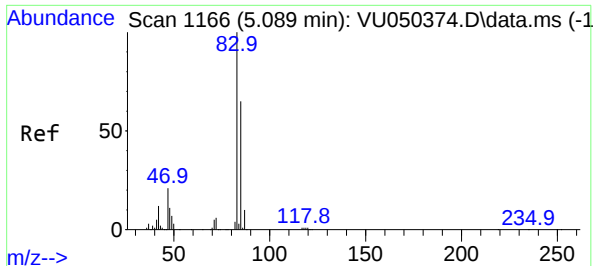
Tgt Ion:	41	Resp:	603
Ion	Ratio	Lower	Upper
41	100		
67	0.0	59.4	89.0#
39	71.8	42.2	63.2#
52	11.1	23.7	35.5#



#40
Methyl acrylate
Concen: 0.231 ug/l
RT: 4.864 min Scan# 1096
Delta R.T. 0.010 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:	55	Resp:	1744
Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.5	20.3#
58	0.0	7.0	10.4#
42	6.5	7.0	10.6#





#41

Tetrahydrofuran

Concen: 0.378 ug/l

RT: 5.080 min Scan# 1166

Delta R.T. 0.013 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES

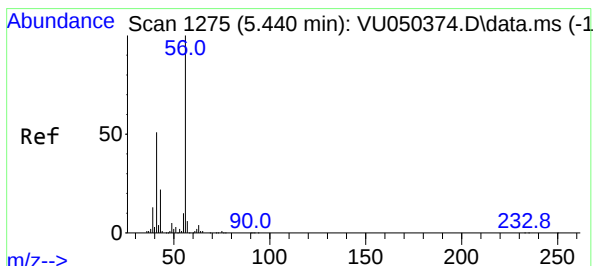
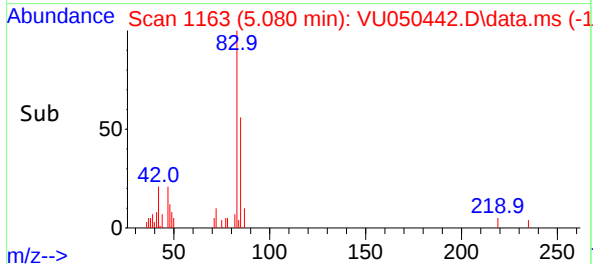
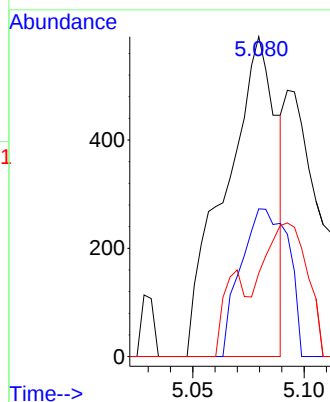
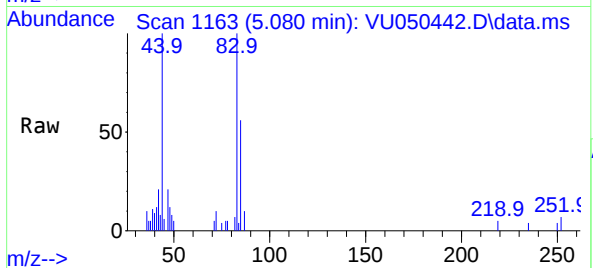
Tgt Ion: 42 Resp: 940

Ion Ratio Lower Upper

42 100

72 43.1 38.9 58.3

71 13.1 33.7 50.5#



#42

1-Chlorobutane

Concen: 0.225 ug/l

RT: 5.440 min Scan# 1275

Delta R.T. -0.016 min

Lab File: VU050442.D

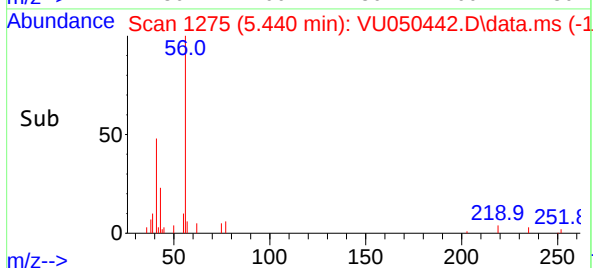
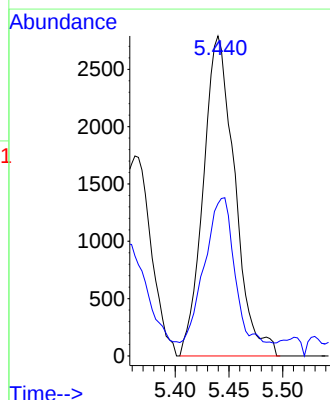
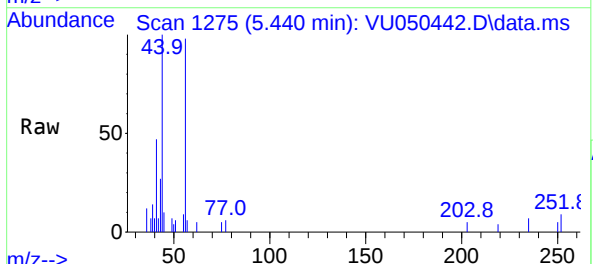
Acq: 25 Aug 2022 13:27

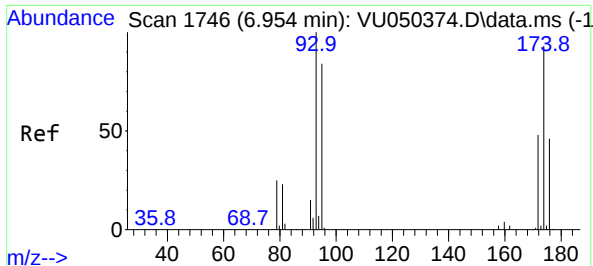
Tgt Ion: 56 Resp: 5674

Ion Ratio Lower Upper

56 100

41 44.4 26.4 79.2



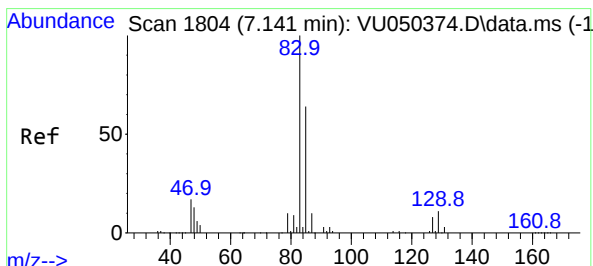
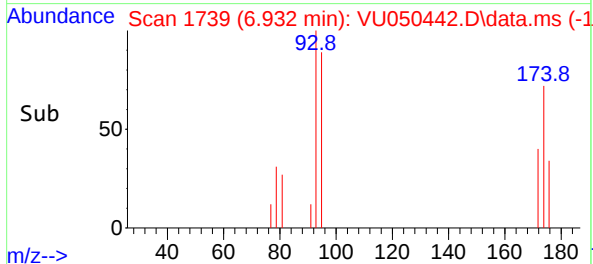
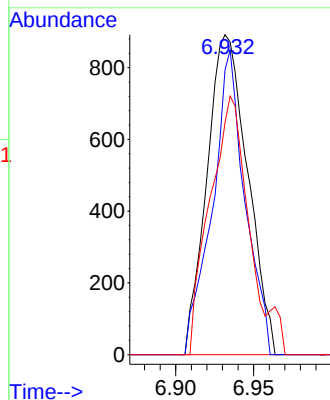
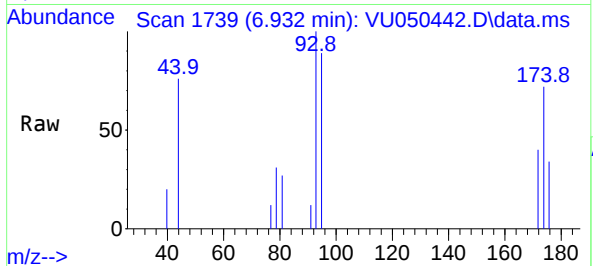


#43
Dibromomethane
Concen: 0.215 ug/l
RT: 6.932 min Scan# 1739
Delta R.T. 0.013 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

Tgt Ion: 93 Resp: 1617

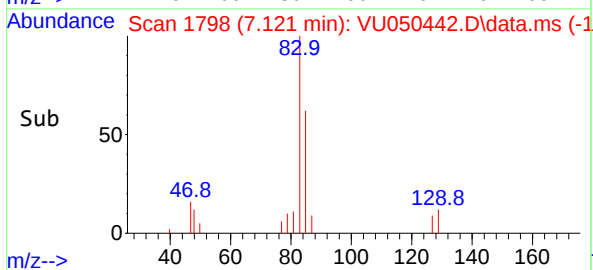
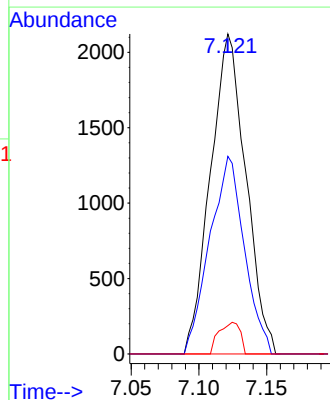
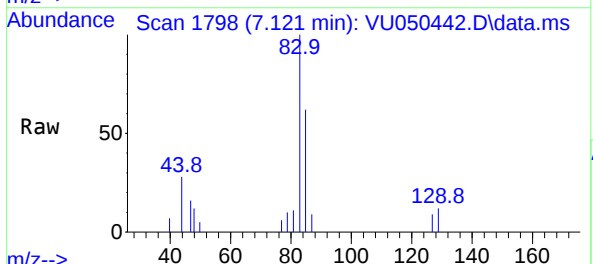
Ion	Ratio	Lower	Upper
93	100		
95	76.6	65.0	97.6
174	78.6	76.3	114.5

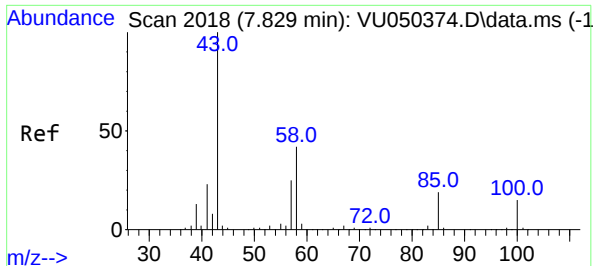


#44
Bromodichloromethane
Concen: 0.217 ug/l
RT: 7.121 min Scan# 1798
Delta R.T. 0.013 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 83 Resp: 3857

Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.4	74.0
127	8.8	6.6	10.0

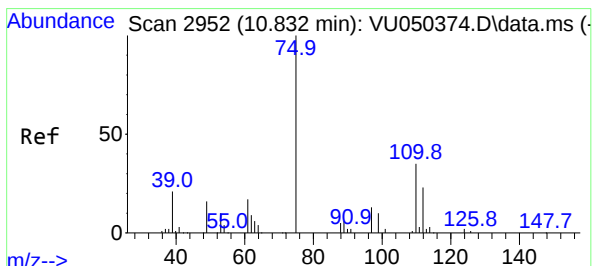
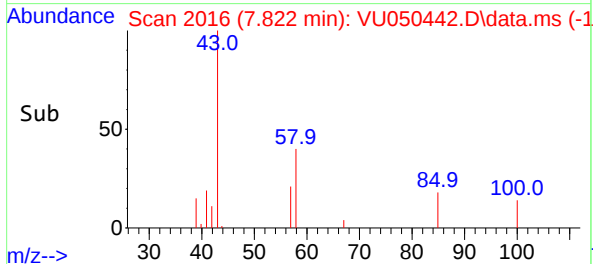
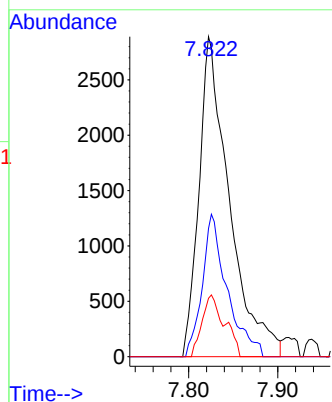
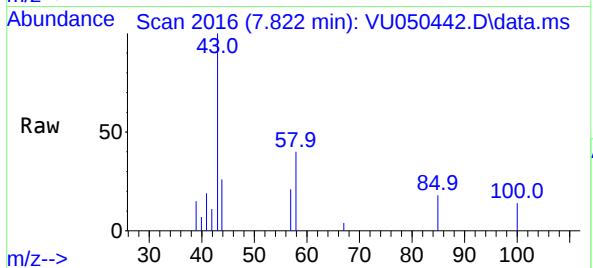




#45
4-Methyl-2-Pentanone
Concen: 0.905 ug/l
RT: 7.822 min Scan# 2016
Delta R.T. 0.026 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

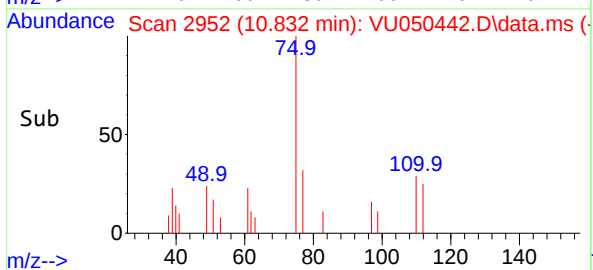
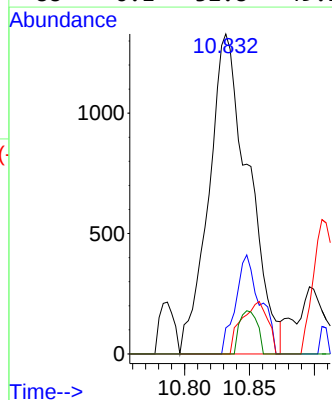
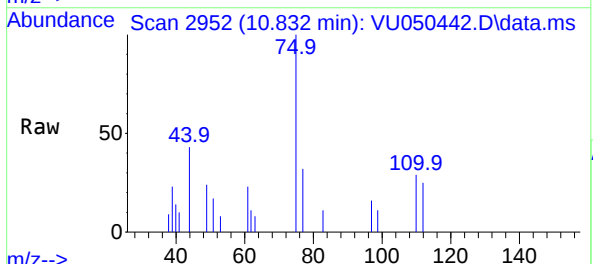
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

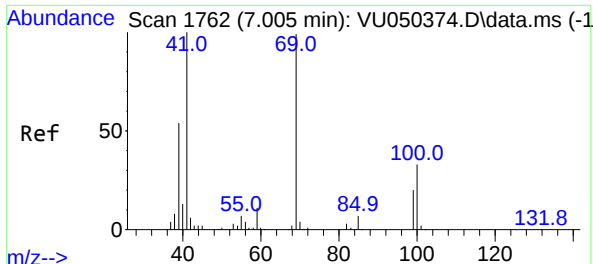
Tgt Ion:	43	Resp:	6840
Ion	Ratio	Lower	Upper
43	100		
58	36.4	20.3	61.0
85	14.3	14.6	21.8#



#46
t-1,4-Dichloro-2-butene
Concen: 1.134 ug/l
RT: 10.832 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:	75	Resp:	2826
Ion	Ratio	Lower	Upper
75	100		
53	19.1	64.4	96.6#
89	10.8	44.2	66.2#
88	6.1	32.8	49.2#





#47

Methyl methacrylate

Concen: 1.251 ug/l

RT: 6.999 min Scan# 1

Delta R.T. 0.032 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES

Tgt Ion: 69 Resp: 1757

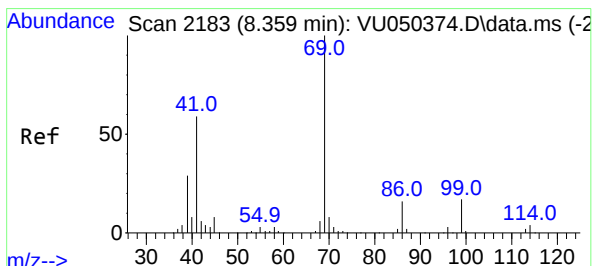
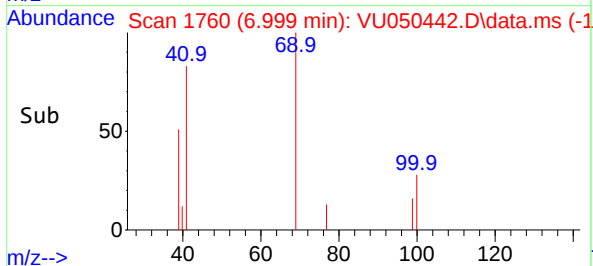
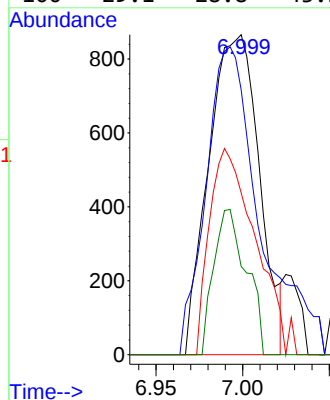
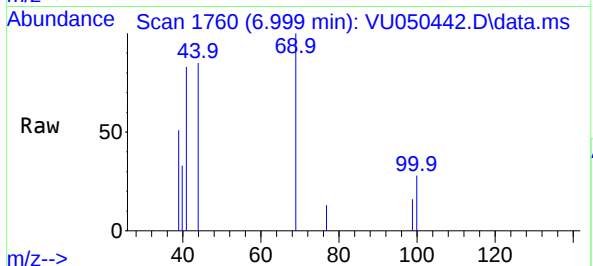
Ion Ratio Lower Upper

69 100

41 103.2 0.0 225.4

39 58.9 45.8 68.8

100 29.1 28.8 43.2



#48

Ethyl methacrylate

Concen: 0.669 ug/l

RT: 8.353 min Scan# 2181

Delta R.T. 0.016 min

Lab File: VU050442.D

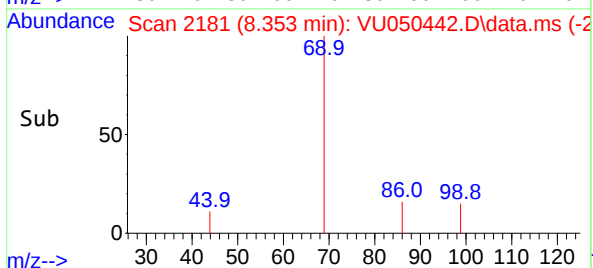
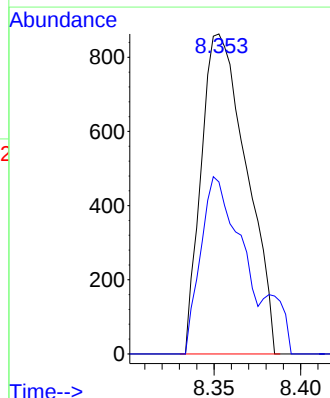
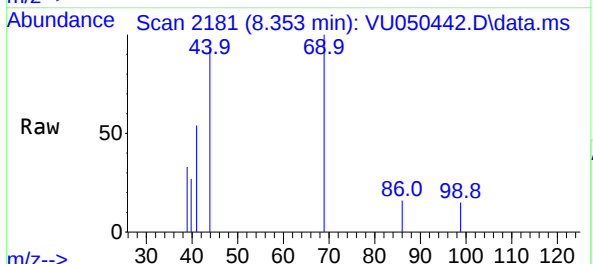
Acq: 25 Aug 2022 13:27

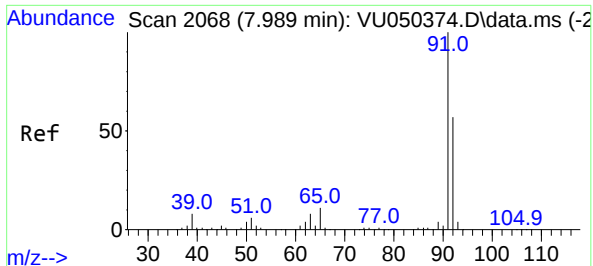
Tgt Ion: 69 Resp: 1568

Ion Ratio Lower Upper

69 100

41 48.8 32.3 96.9





#49

Toluene

Concen: 0.172 ug/l

RT: 7.977 min Scan# 2064

Delta R.T. 0.007 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

Instrument :

MSVOA_U

ClientSampleId :

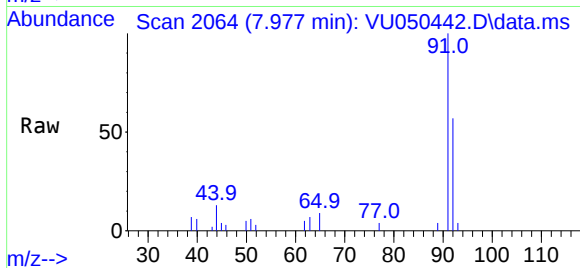
WS-OXYGENATES

Tgt Ion: 92 Resp: 4820

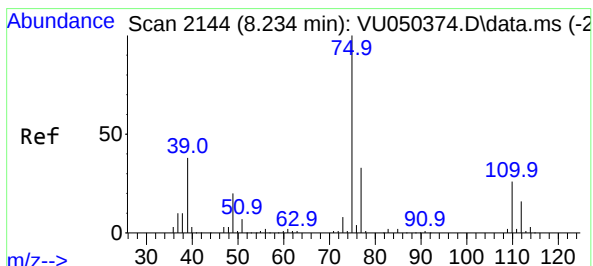
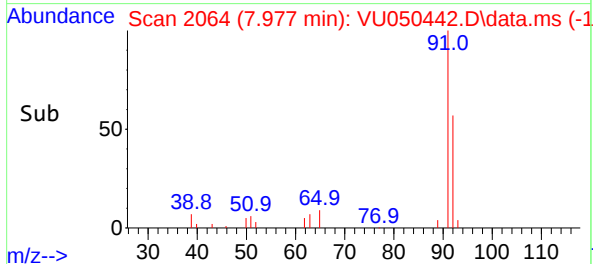
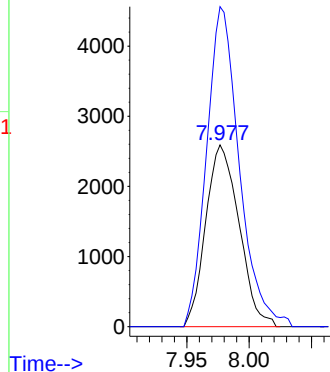
Ion Ratio Lower Upper

92 100

91 172.6 138.6 207.8



Abundance



#50

t-1,3-Dichloropropene

Concen: 0.166 ug/l

RT: 8.221 min Scan# 2140

Delta R.T. 0.010 min

Lab File: VU050442.D

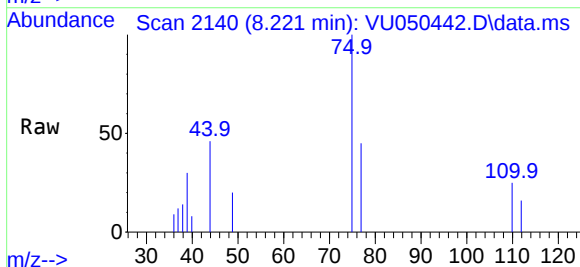
Acq: 25 Aug 2022 13:27

Tgt Ion: 75 Resp: 2295

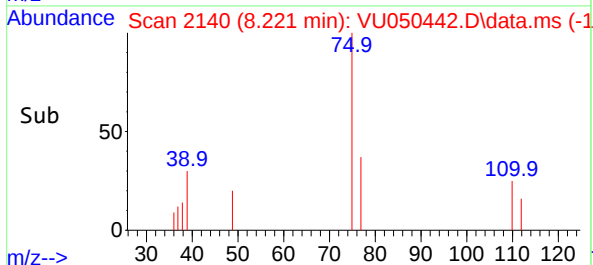
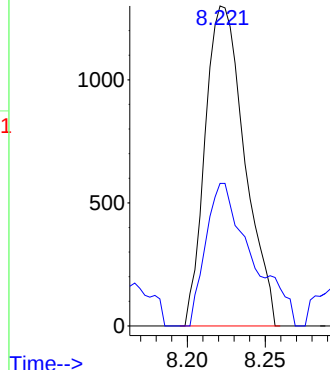
Ion Ratio Lower Upper

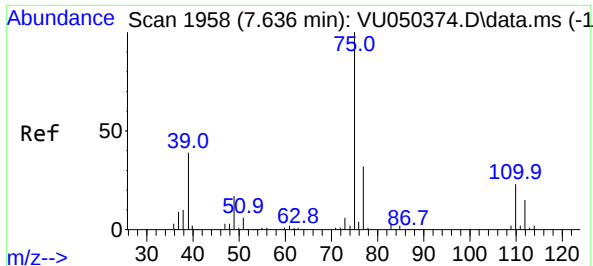
75 100

77 44.5 24.7 37.1#



Abundance

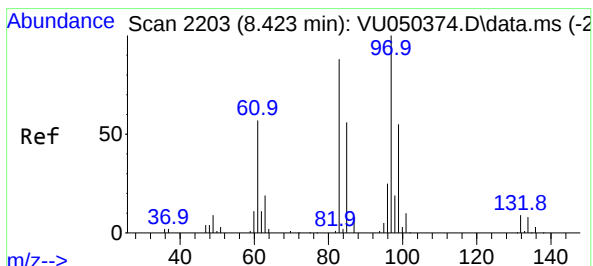
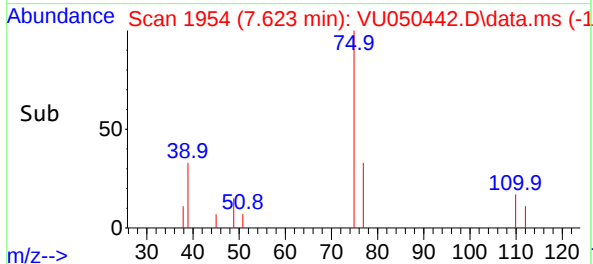
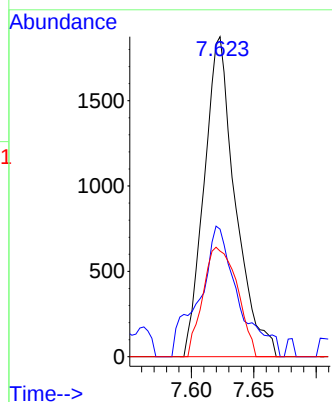
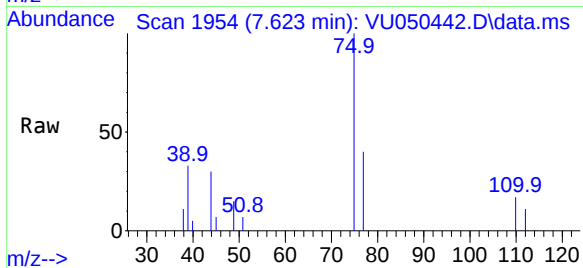




#51
 cis-1,3-Dichloropropene
 Concen: 0.206 ug/l
 RT: 7.623 min Scan# 1954
 Delta R.T. 0.013 min
 Lab File: VU050442.D
 Acq: 25 Aug 2022 13:27

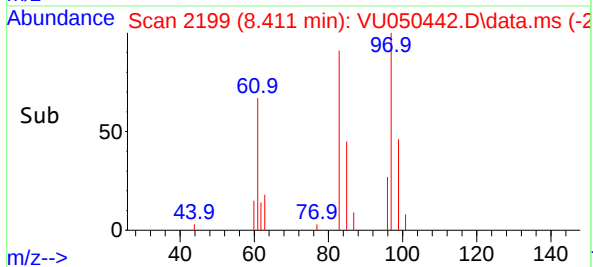
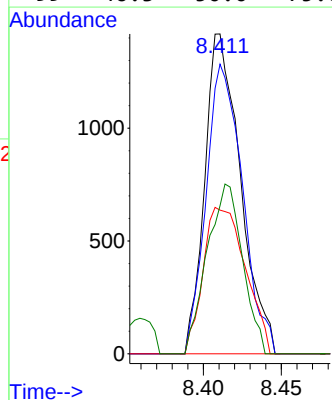
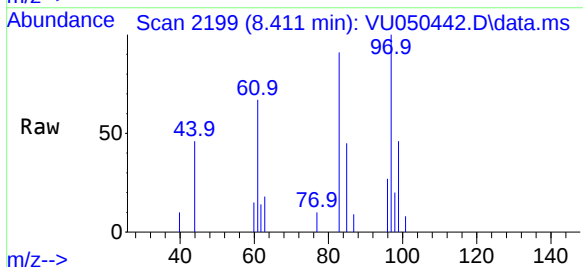
Instrument :
 MSVOA_U
 ClientSampleId :
 WS-OXYGENATES

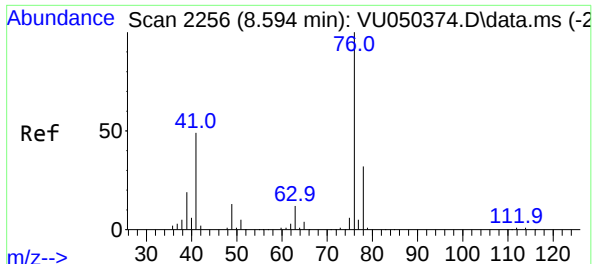
Tgt Ion: 75 Resp: 3259
 Ion Ratio Lower Upper
 75 100
 77 39.8 25.4 38.0#
 39 33.0 35.1 52.7#



#52
 1,1,2-Trichloroethane
 Concen: 0.204 ug/l
 RT: 8.411 min Scan# 2199
 Delta R.T. 0.010 min
 Lab File: VU050442.D
 Acq: 25 Aug 2022 13:27

Tgt Ion: 97 Resp: 2259
 Ion Ratio Lower Upper
 97 100
 83 90.6 70.6 106.0
 85 44.9 46.2 69.4#
 99 46.3 50.0 75.0#

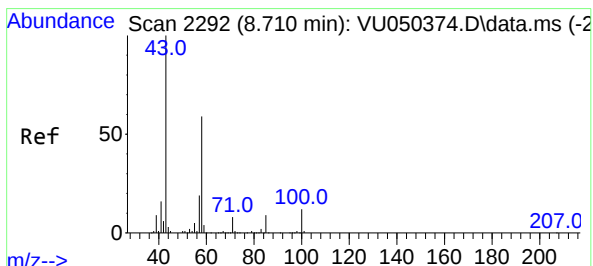
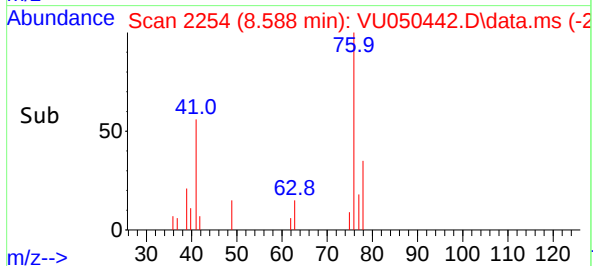
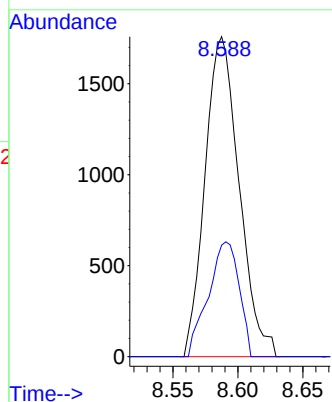
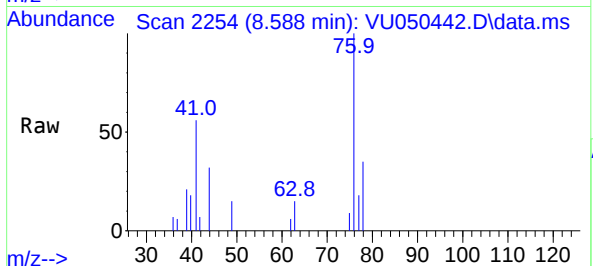




#53
1,3-Dichloropropane
Concen: 0.184 ug/l
RT: 8.588 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

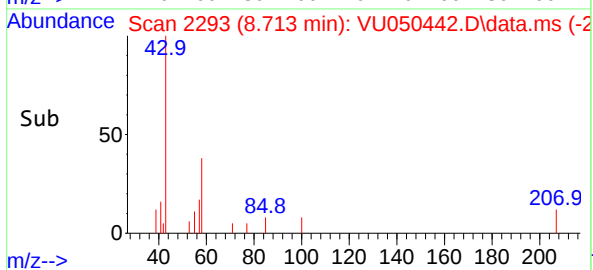
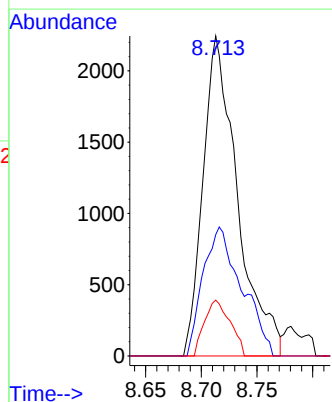
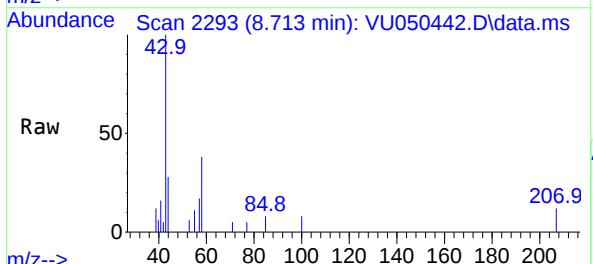
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

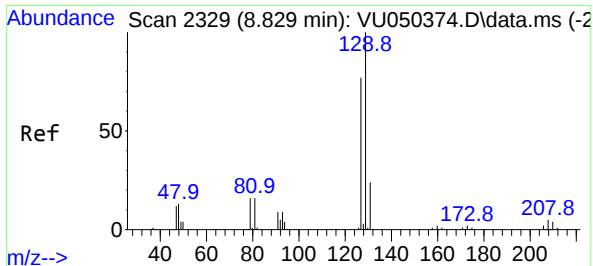
Tgt Ion: 76 Resp: 3208
Ion Ratio Lower Upper
76 100
78 32.4 26.0 39.0



#54
2-Hexanone
Concen: 0.919 ug/l
RT: 8.713 min Scan# 2293
Delta R.T. 0.023 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 43 Resp: 4835
Ion Ratio Lower Upper
43 100
58 45.2 37.1 77.1
57 13.0 0.0 39.5

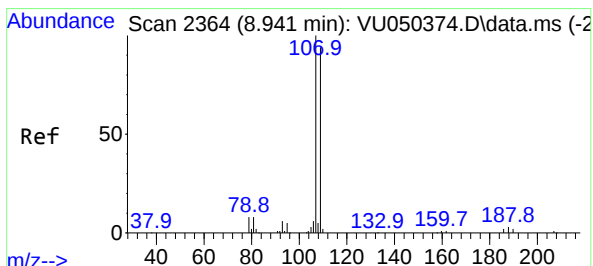
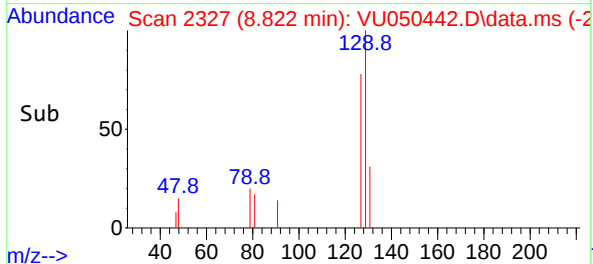
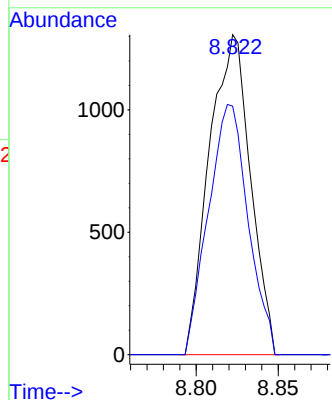
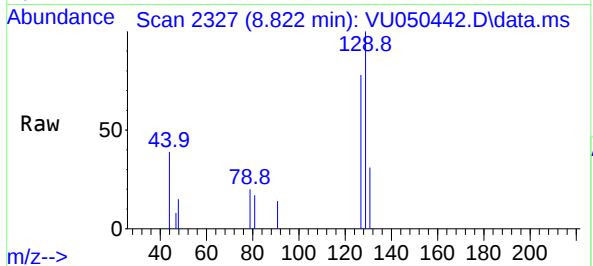




#55
Dibromochloromethane
Concen: 0.187 ug/l
RT: 8.822 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

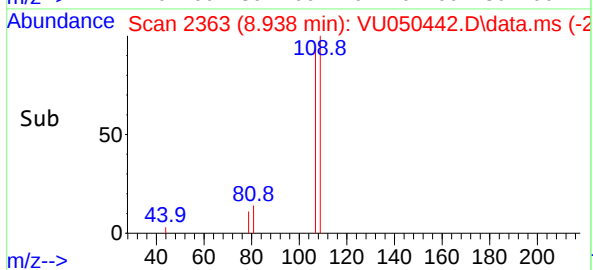
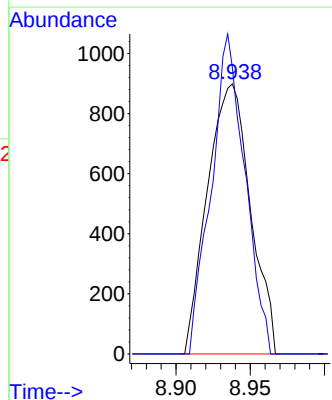
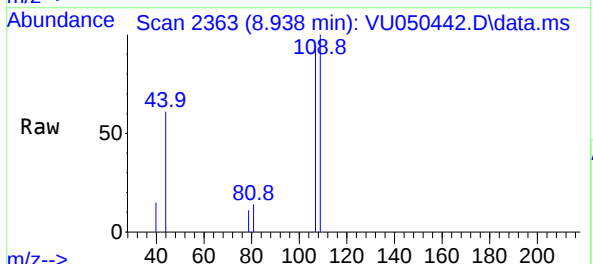
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

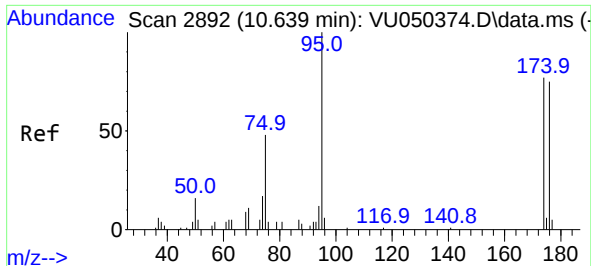
Tgt Ion:129 Resp: 2280
Ion Ratio Lower Upper
129 100
127 75.4 61.2 91.8



#56
1,2-Dibromoethane
Concen: 0.183 ug/l
RT: 8.938 min Scan# 2363
Delta R.T. 0.013 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:107 Resp: 1816
Ion Ratio Lower Upper
107 100
109 92.3 0.0 187.2





#57

4-Bromofluorobenzene

Concen: 0.705 ug/l

RT: 10.639 min Scan# 2892

Delta R.T. 0.007 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES

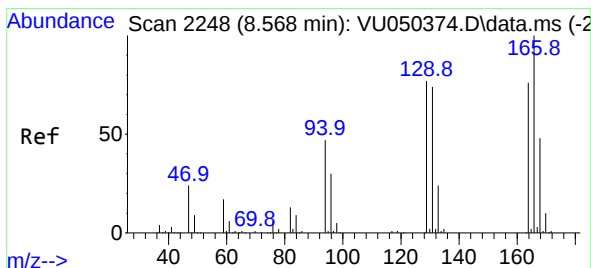
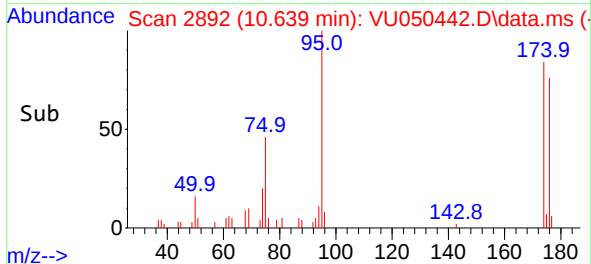
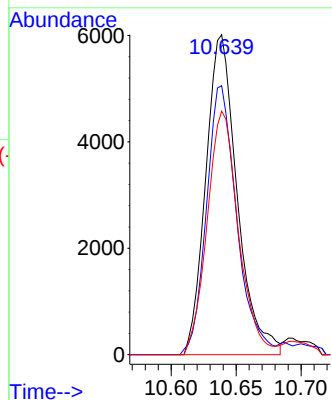
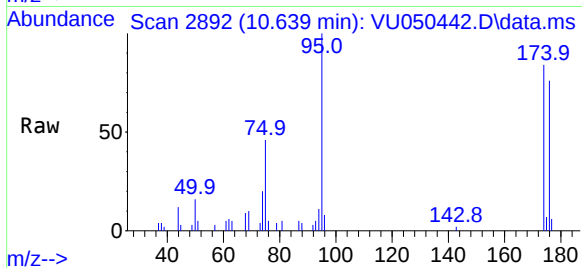
Tgt Ion: 95 Resp: 10116

Ion Ratio Lower Upper

95 100

174 81.1 62.4 93.6

176 75.9 56.2 84.2



#58

Tetrachloroethene

Concen: 0.184 ug/l

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

Tgt Ion: 164 Resp: 2157

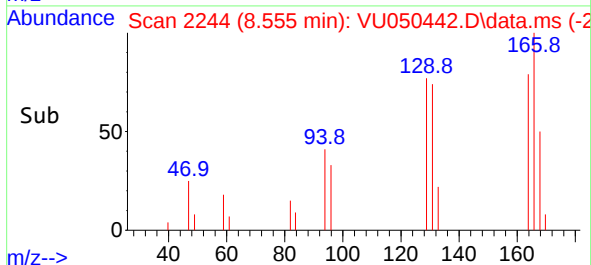
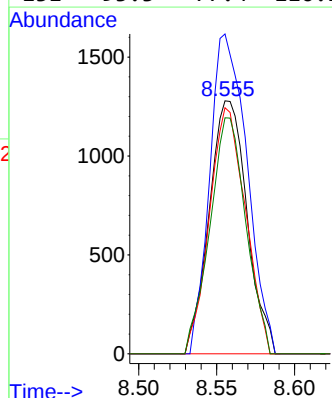
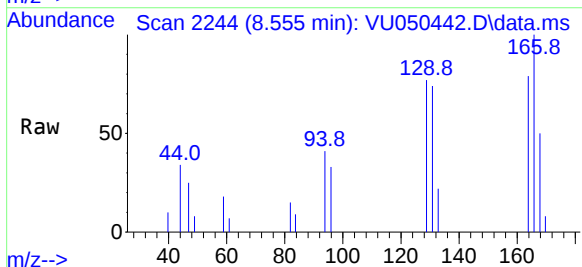
Ion Ratio Lower Upper

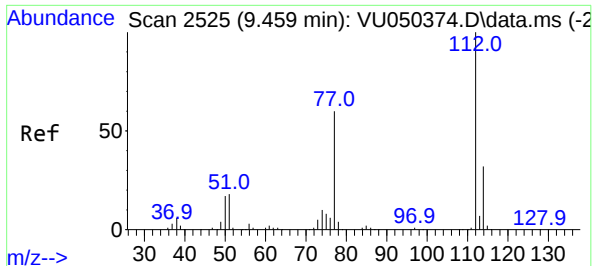
164 100

166 126.4 102.4 153.6

129 97.3 79.5 119.3

131 93.3 77.4 116.2





#59

Chlorobenzene

Concen: 0.187 ug/l

RT: 9.456 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

Instrument :

MSVOA_U

ClientSampleId :

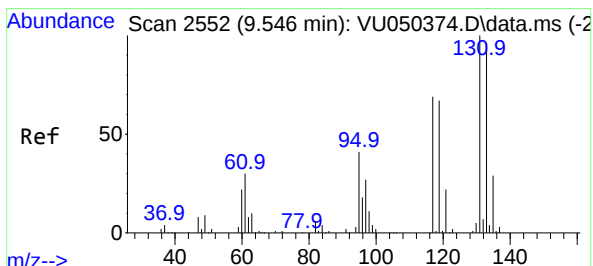
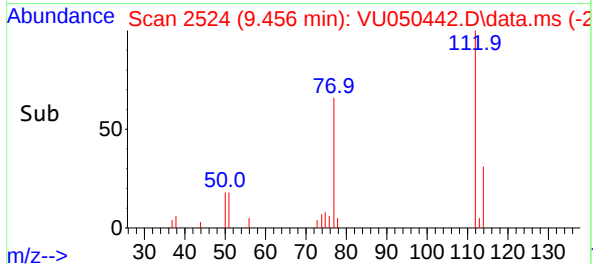
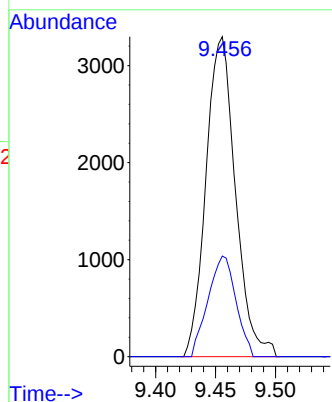
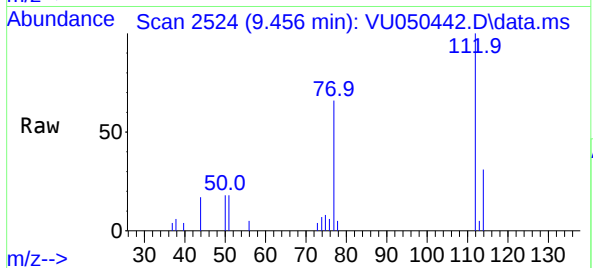
WS-OXYGENATES

Tgt Ion:112 Resp: 5637

Ion Ratio Lower Upper

112 100

114 31.4 24.9 37.3



#60

1,1,1,2-Tetrachloroethane

Concen: 0.197 ug/l

RT: 9.539 min Scan# 2550

Delta R.T. 0.003 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

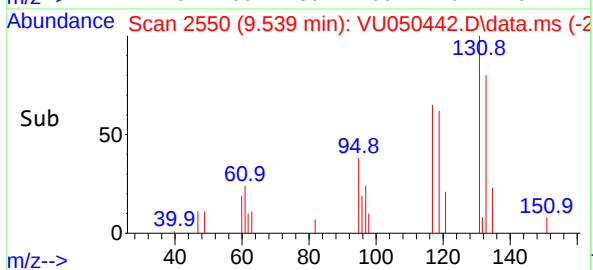
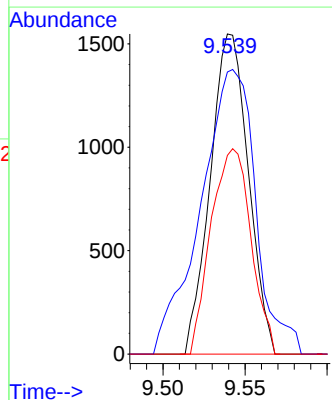
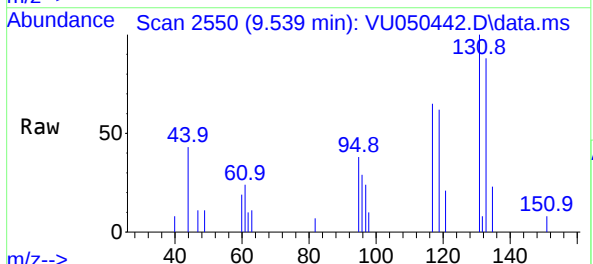
Tgt Ion:131 Resp: 2496

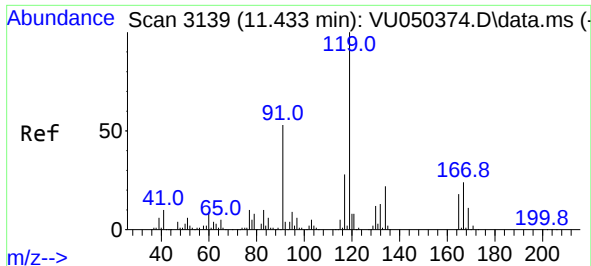
Ion Ratio Lower Upper

131 100

133 128.4 78.3 117.5#

119 67.3 53.2 79.8

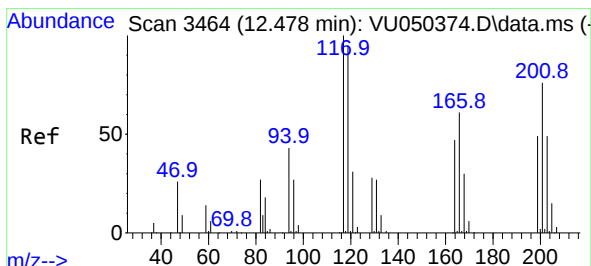
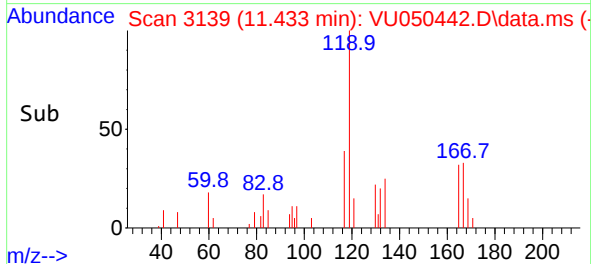
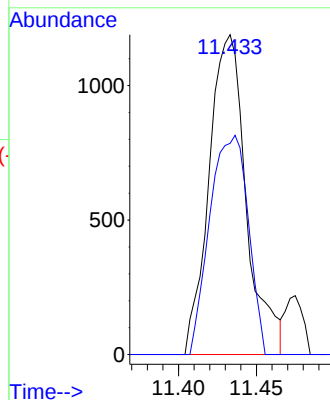
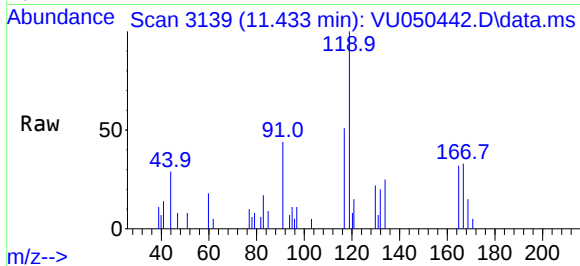




#61
Pentachloroethane
Concen: 0.188 ug/l
RT: 11.433 min Scan# 3139
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

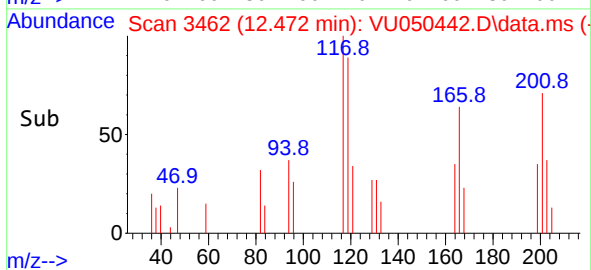
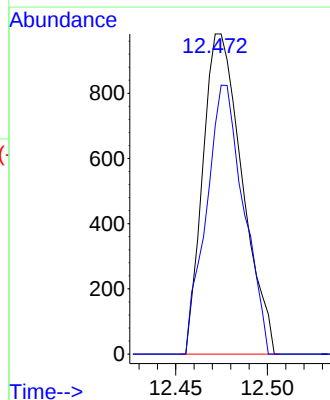
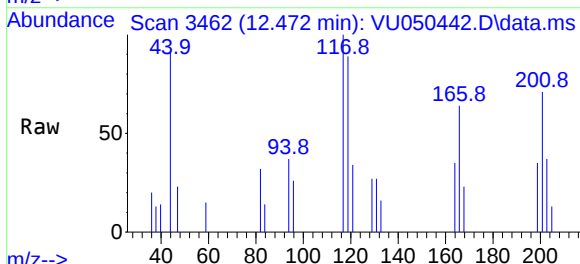
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

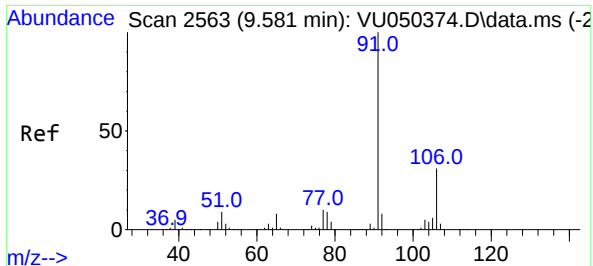
Tgt Ion:117 Resp: 1980
Ion Ratio Lower Upper
117 100
167 70.4 66.2 99.4



#62
Hexachloroethane
Concen: 0.167 ug/l
RT: 12.472 min Scan# 3462
Delta R.T. -0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:117 Resp: 1467
Ion Ratio Lower Upper
117 100
201 79.7 61.0 91.4





#63

Ethyl Benzene

Concen: 0.690 ug/l

RT: 9.575 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

Instrument :

MSVOA_U

ClientSampleId :

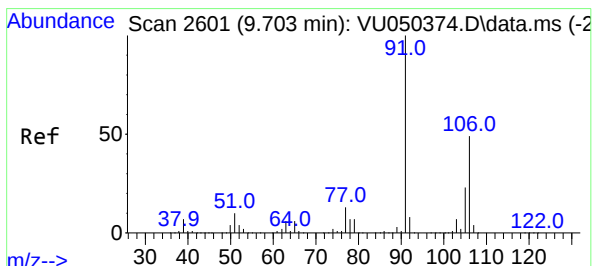
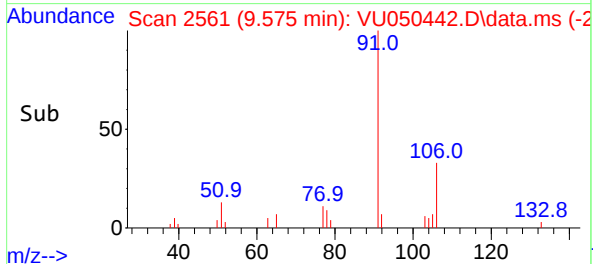
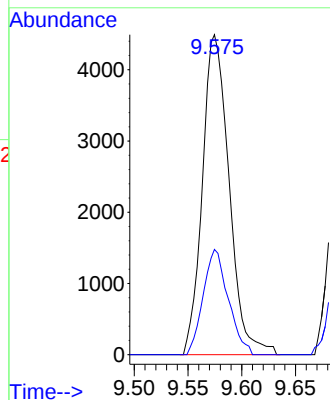
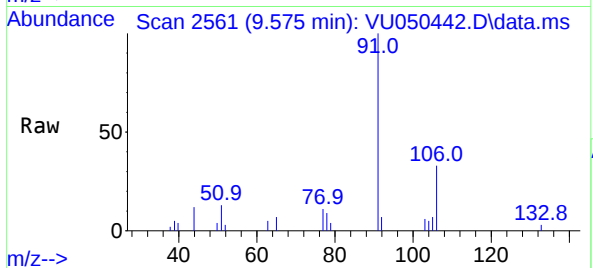
WS-OXYGENATES

Tgt Ion: 91 Resp: 7780

Ion Ratio Lower Upper

91 100

106 32.9 24.4 36.6



#64

m/p-Xylenes

Concen: 1.281 ug/l

RT: 9.700 min Scan# 2600

Delta R.T. 0.007 min

Lab File: VU050442.D

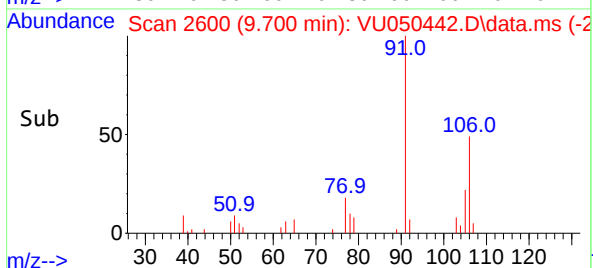
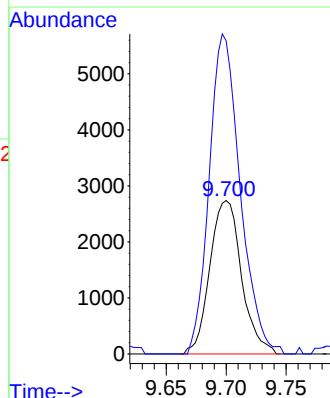
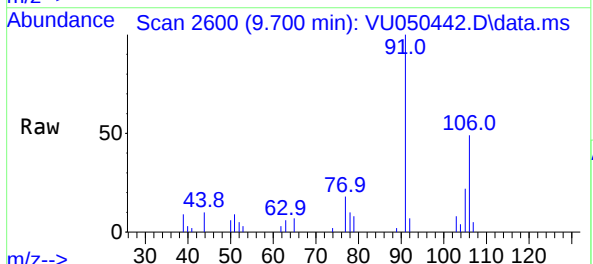
Acq: 25 Aug 2022 13:27

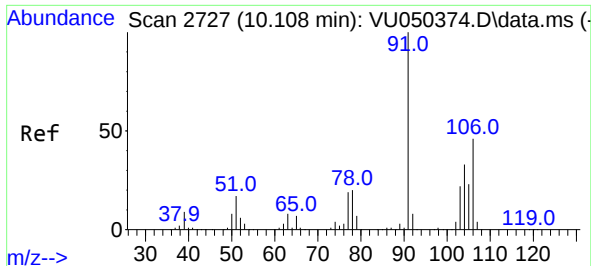
Tgt Ion: 106 Resp: 5031

Ion Ratio Lower Upper

106 100

91 204.0 167.8 251.6

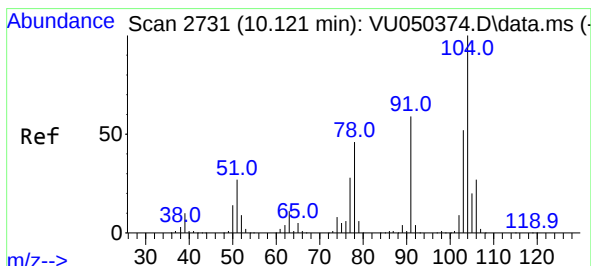
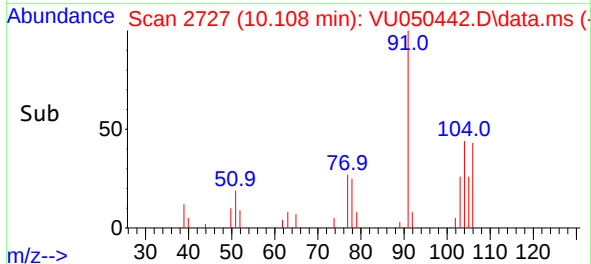
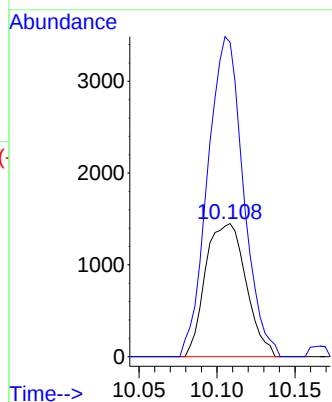
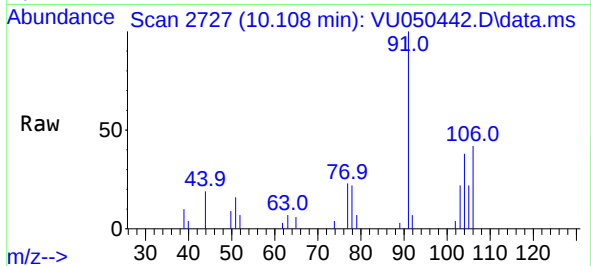




#65
o-Xylene
Concen: 0.621 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

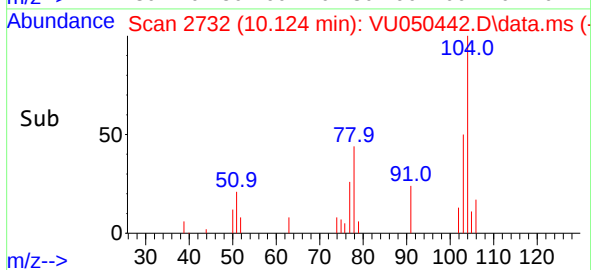
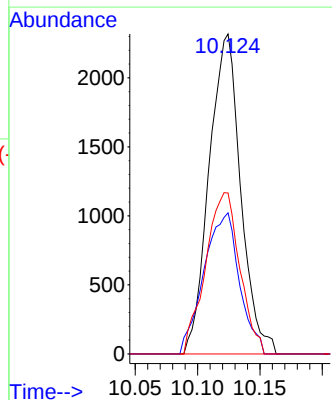
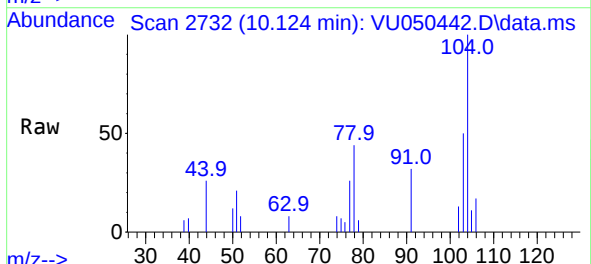
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

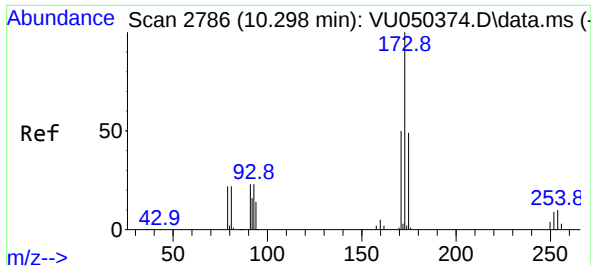
Tgt Ion:106 Resp: 2613
Ion Ratio Lower Upper
106 100
91 212.6 111.1 333.2



#66
Styrene
Concen: 0.696 ug/l
RT: 10.124 min Scan# 2732
Delta R.T. 0.010 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

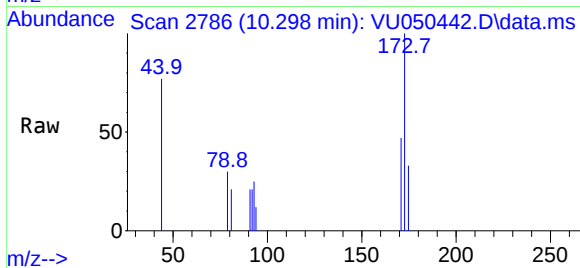
Tgt Ion:104 Resp: 4086
Ion Ratio Lower Upper
104 100
78 49.5 42.1 63.1
103 54.6 44.5 66.7



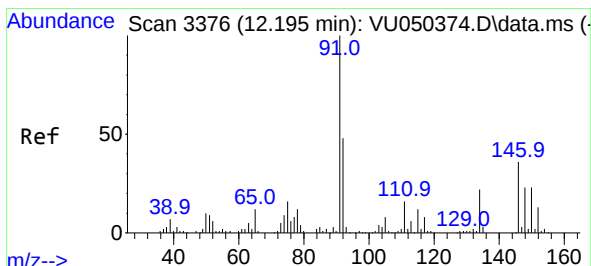
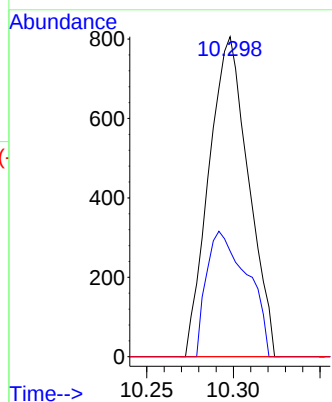
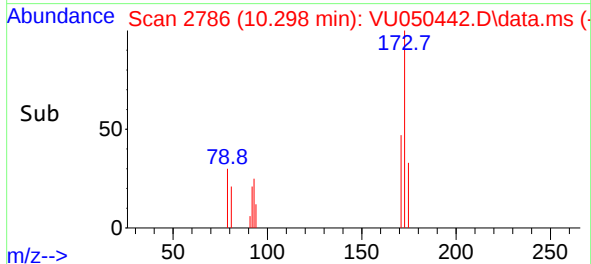


#67
Bromoform
Concen: 0.185 ug/l
RT: 10.298 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

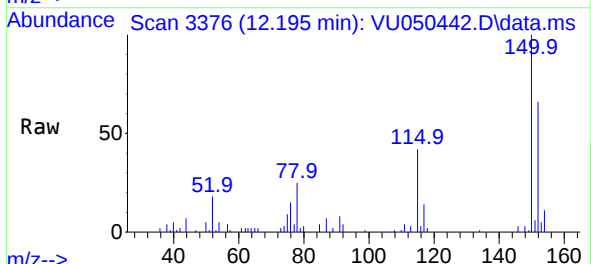
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES



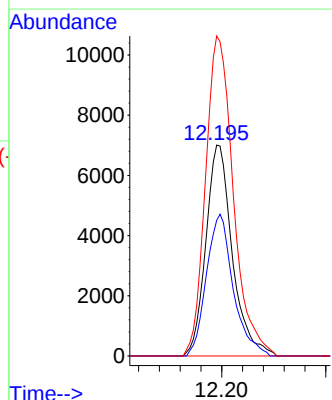
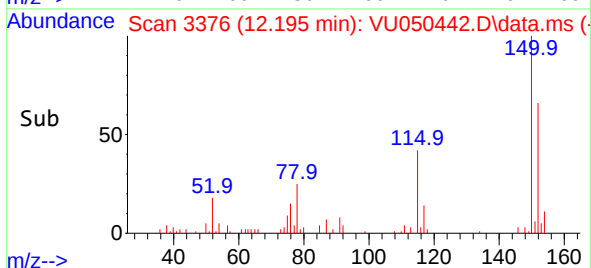
Tgt Ion:173 Resp: 1278
Ion Ratio Lower Upper
173 100
175 40.5 38.4 57.6
254 0.0 7.7 11.5#

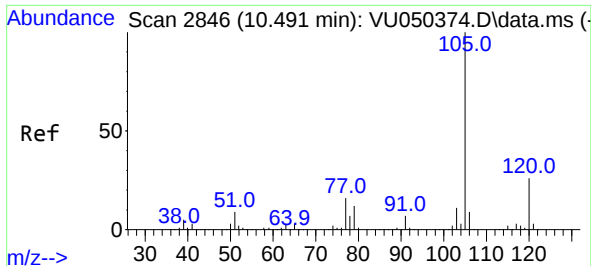


#68
1,2-Dichlorobenzene-d4
Concen: 0.729 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27



Tgt Ion:152 Resp: 12372
Ion Ratio Lower Upper
152 100
115 68.0 0.0 254.6
150 159.3 0.0 623.6

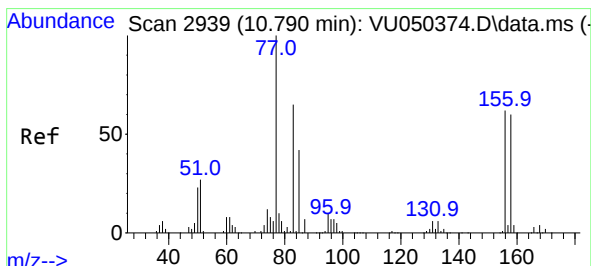
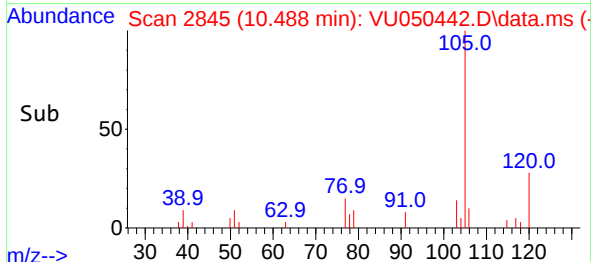
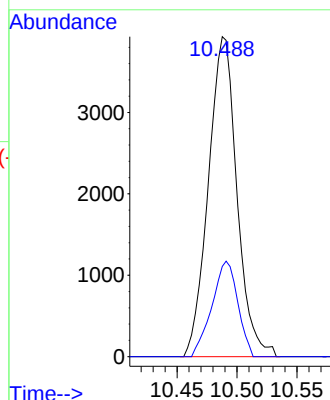
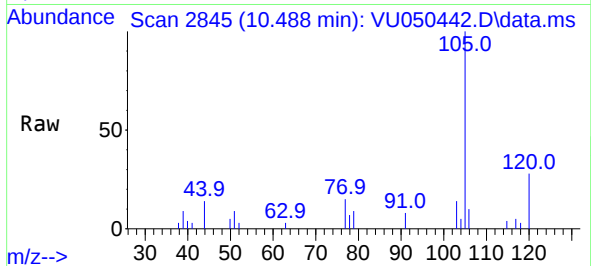




#69
Isopropylbenzene
Concen: 0.672 ug/l
RT: 10.488 min Scan# 2846
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

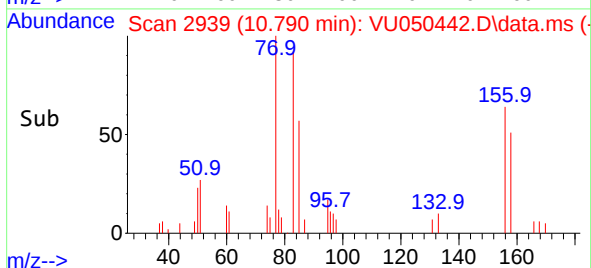
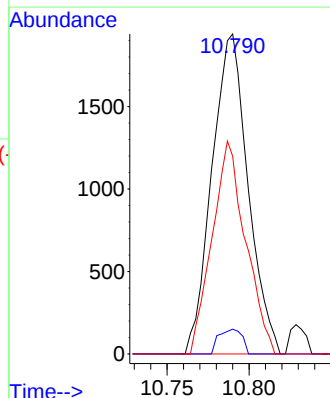
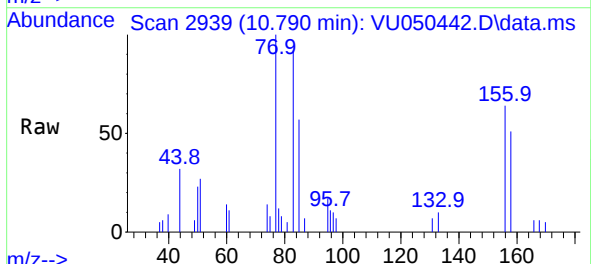
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

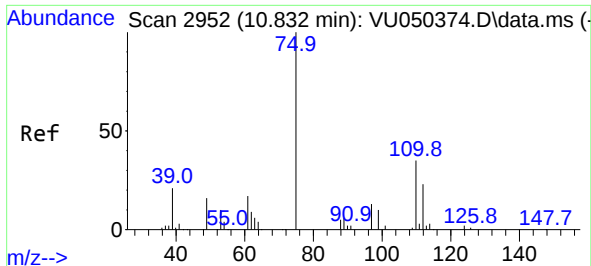
Tgt Ion:105 Resp: 6511
Ion Ratio Lower Upper
105 100
120 26.8 12.6 37.8



#70
1,1,2,2-Tetrachloroethane
Concen: 0.195 ug/l
RT: 10.790 min Scan# 2939
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 83 Resp: 2967
Ion Ratio Lower Upper
83 100
131 5.0 7.7 11.5#
85 61.6 51.2 76.8



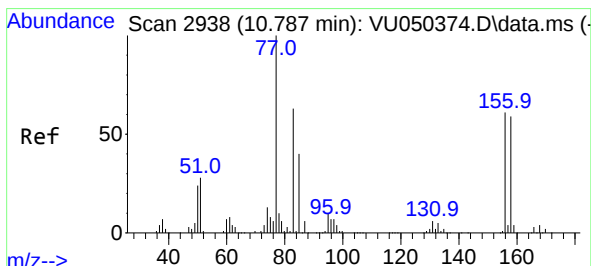
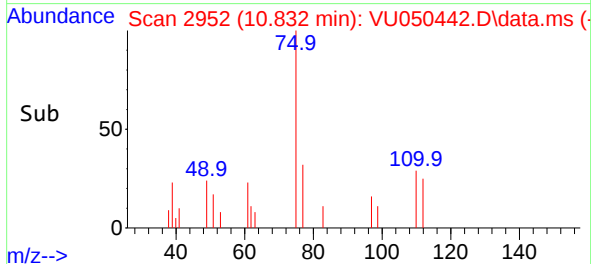
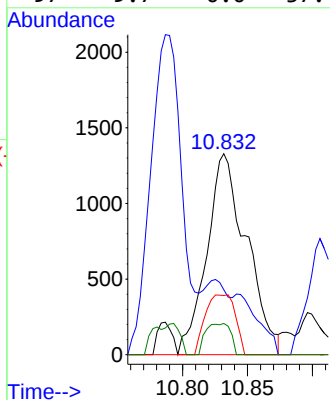
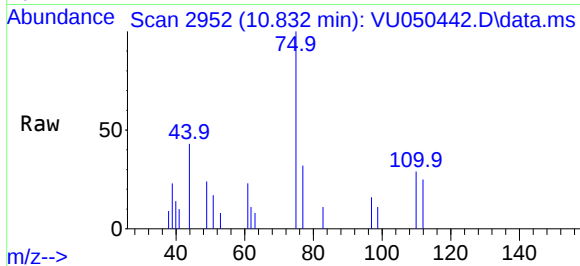


#71
1,2,3-Trichloropropane
Concen: 0.247 ug/l
RT: 10.832 min Scan# 2952
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

Tgt Ion: 75 Resp: 2826

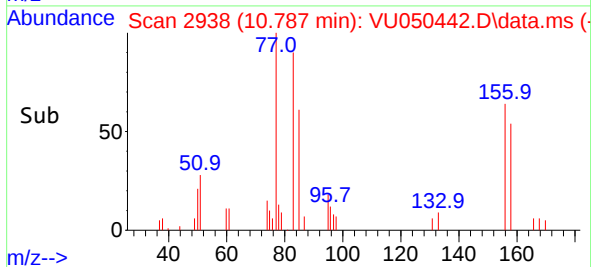
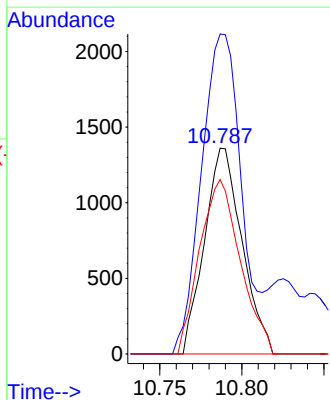
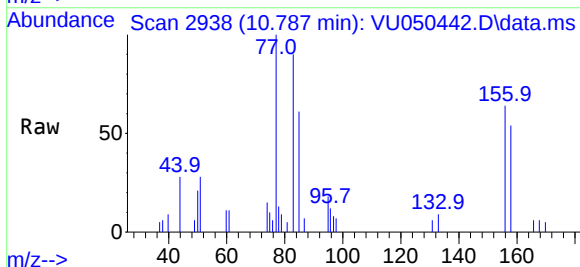
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	112.4
110	22.4	0.0	70.6
97	9.7	0.0	37.4

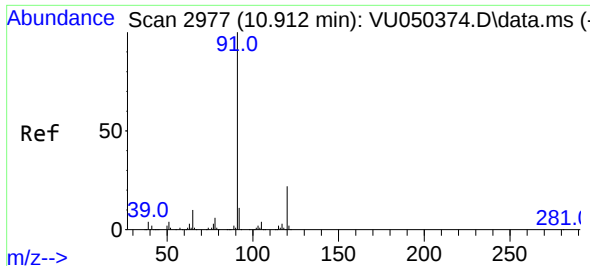


#72
Bromobenzene
Concen: 0.166 ug/l
RT: 10.787 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion: 156 Resp: 2164

Ion	Ratio	Lower	Upper
156	100		
77	165.2	0.0	344.4
158	91.8	0.0	192.2

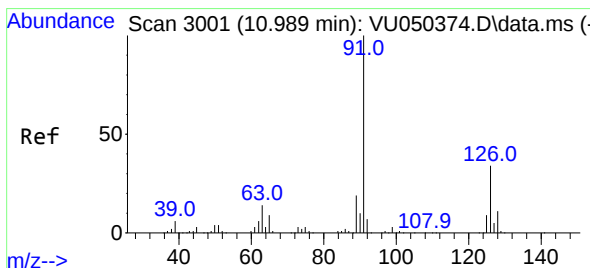
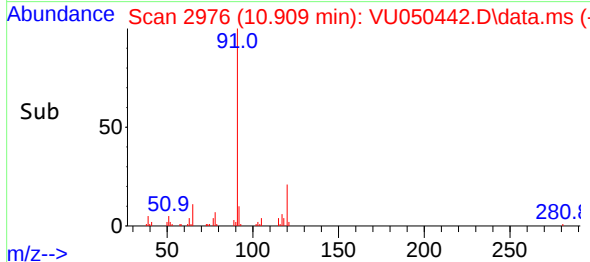
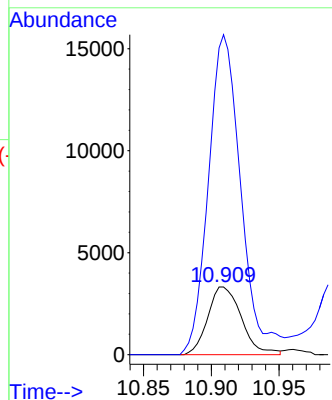
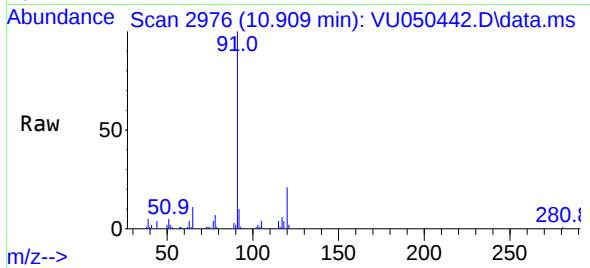




#73
n-propylbenzene
Concen: 0.916 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

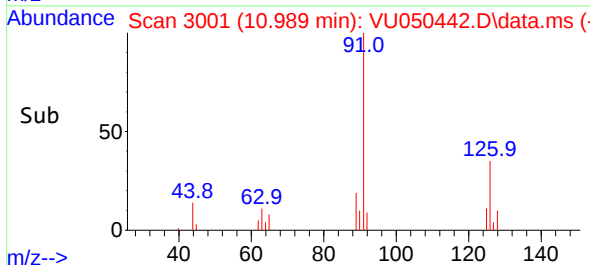
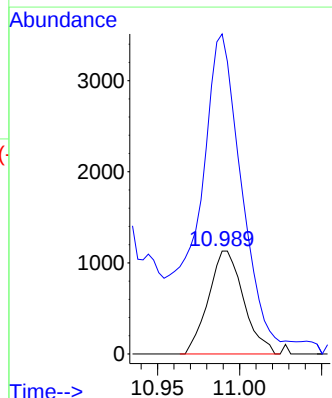
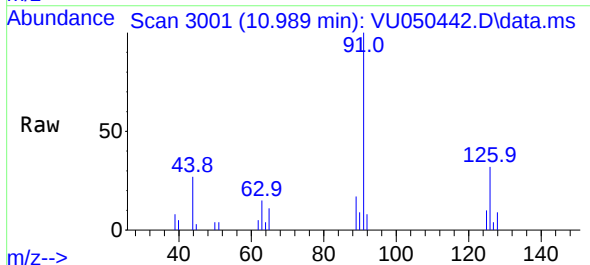
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

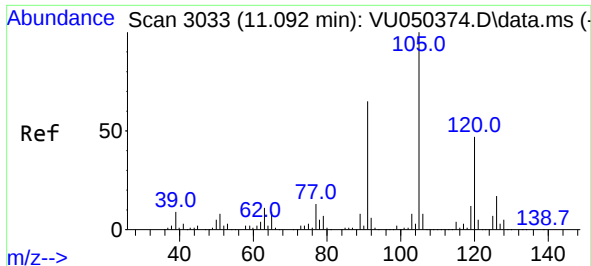
Tgt Ion:120 Resp: 5732
Ion Ratio Lower Upper
120 100
91 456.5 367.8 551.6



#74
2-Chlorotoluene
Concen: 0.497 ug/l
RT: 10.989 min Scan# 3001
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:126 Resp: 1680
Ion Ratio Lower Upper
126 100
91 333.3 0.0 620.6

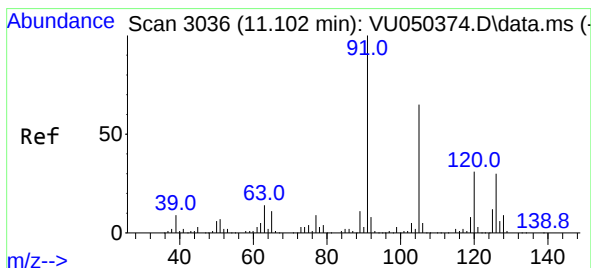
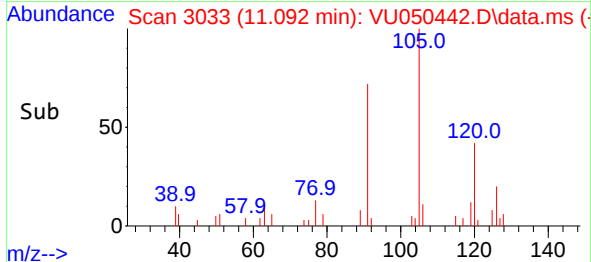
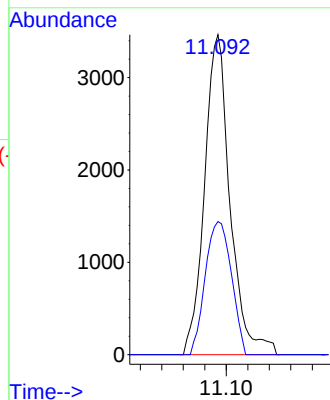
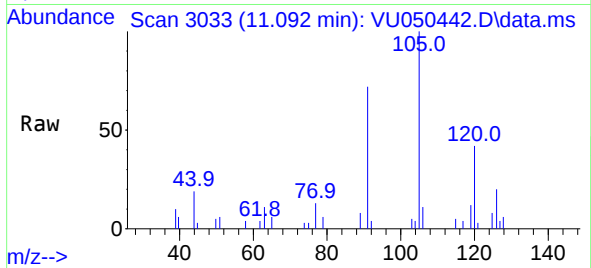




#75
1,3,5-Trimethylbenzene
Concen: 0.625 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

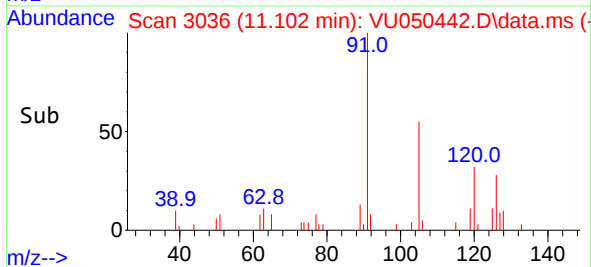
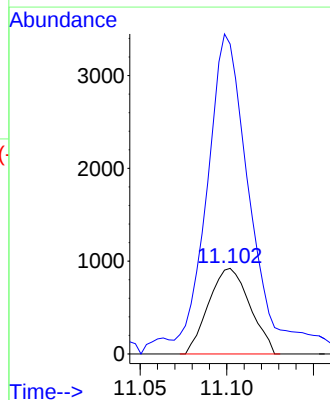
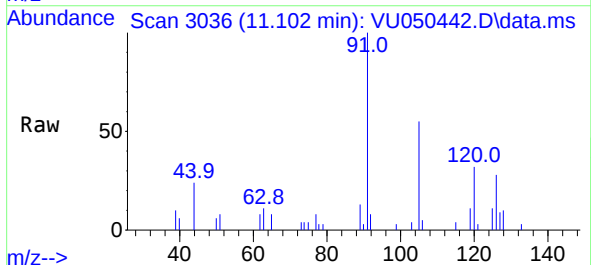
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

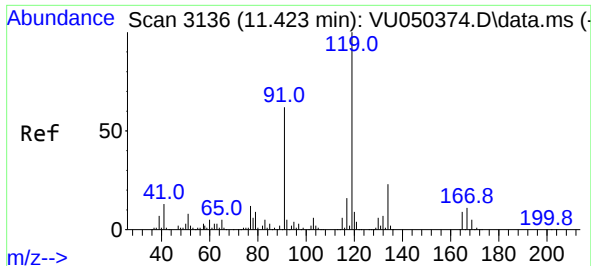
Tgt Ion:105 Resp: 5715
Ion Ratio Lower Upper
105 100
120 42.4 37.6 56.4



#76
4-Chlorotoluene
Concen: 0.494 ug/l
RT: 11.102 min Scan# 3036
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:126 Resp: 1527
Ion Ratio Lower Upper
126 100
91 390.7 0.0 738.8

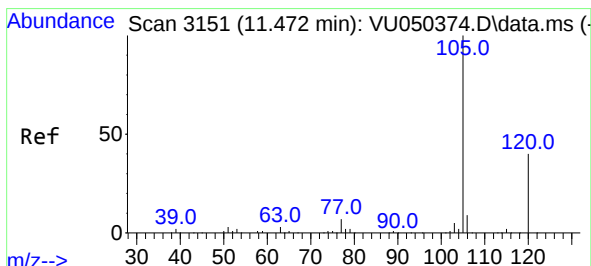
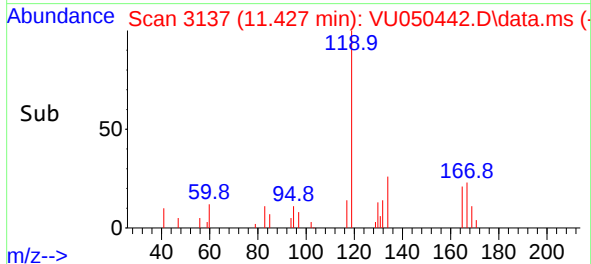
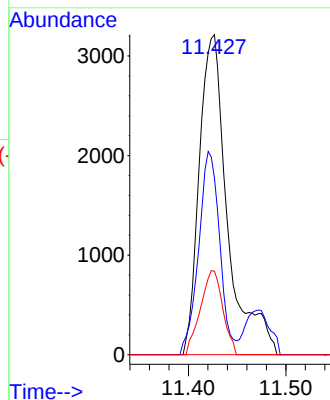
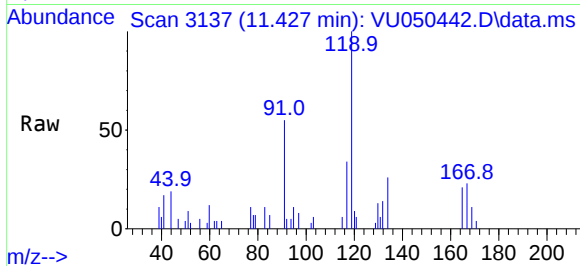




#77
tert-Butylbenzene
Concen: 0.617 ug/l
RT: 11.427 min Scan# 3136
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

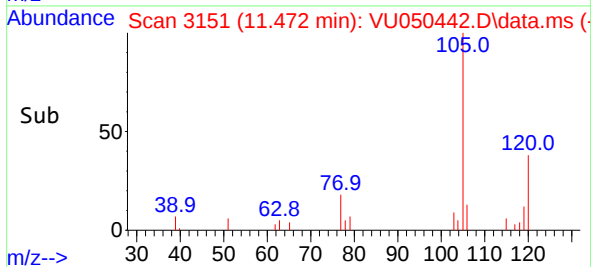
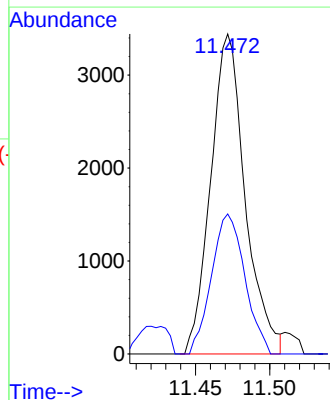
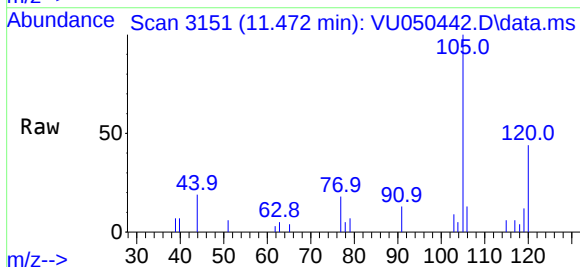
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

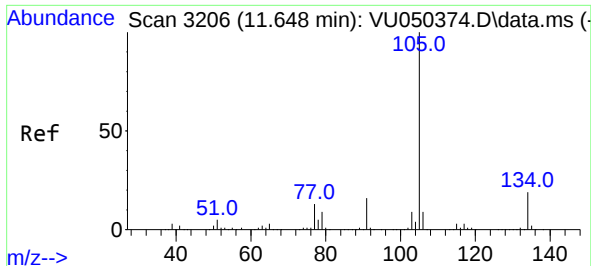
Tgt Ion:119 Resp: 6516
Ion Ratio Lower Upper
119 100
91 47.2 30.4 91.3
134 20.7 17.8 26.6



#78
1,2,4-Trimethylbenzene
Concen: 0.660 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:105 Resp: 5558
Ion Ratio Lower Upper
105 100
120 42.3 21.6 65.0

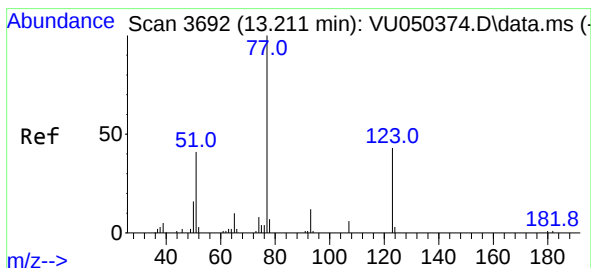
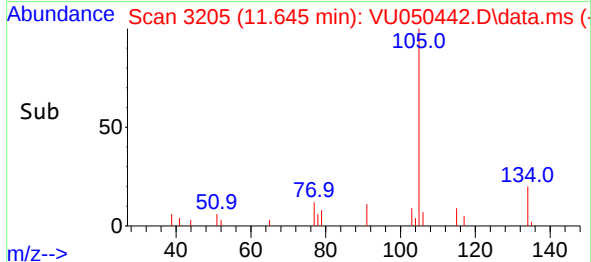
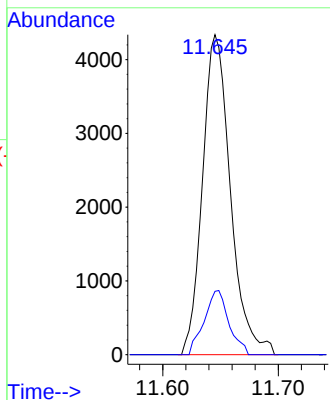
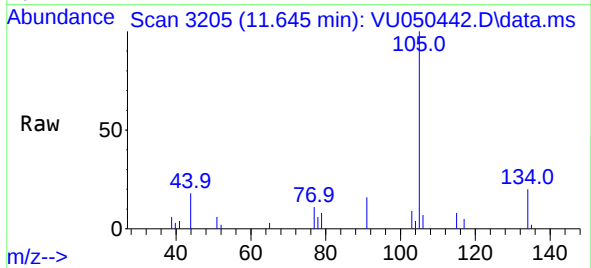




#79
 sec-Butylbenzene
 Concen: 0.649 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU050442.D
 Acq: 25 Aug 2022 13:27

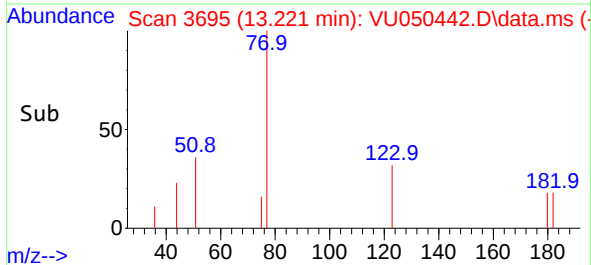
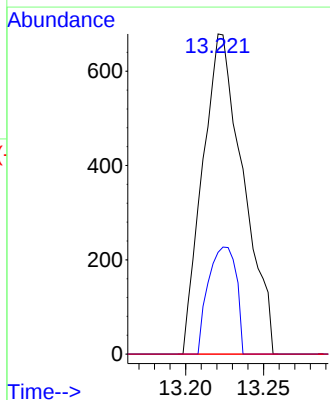
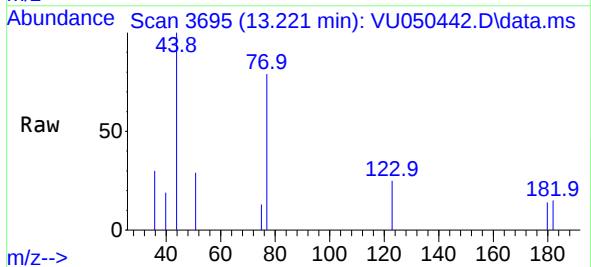
Instrument :
 MSVOA_U
 ClientSampleId :
 WS-OXYGENATES

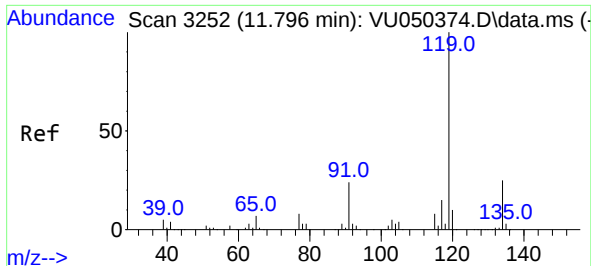
Tgt Ion:105 Resp: 7291
 Ion Ratio Lower Upper
 105 100
 134 17.7 15.4 23.0



#80
 Nitrobenzene
 Concen: 1.488 ug/l
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.013 min
 Lab File: VU050442.D
 Acq: 25 Aug 2022 13:27

Tgt Ion: 77 Resp: 1229
 Ion Ratio Lower Upper
 77 100
 123 23.0 18.1 64.3
 65 0.0 10.8 13.8#

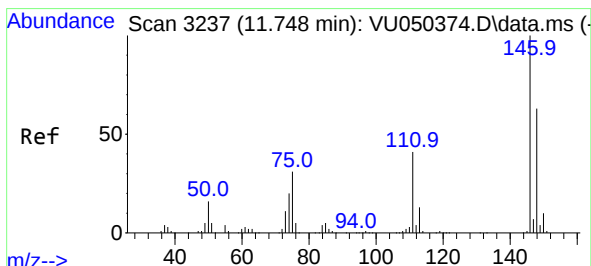
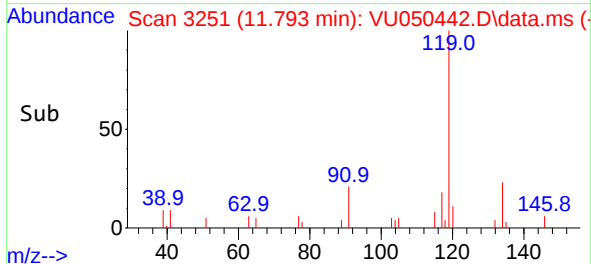
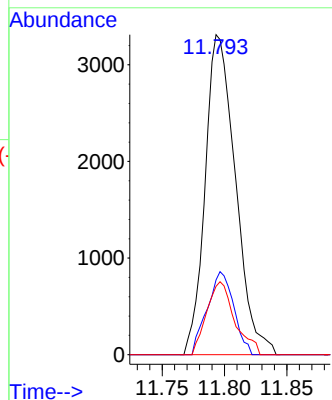
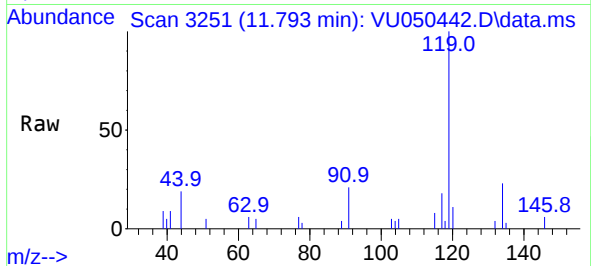




#81
p-Isopropyltoluene
Concen: 0.699 ug/l
RT: 11.793 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

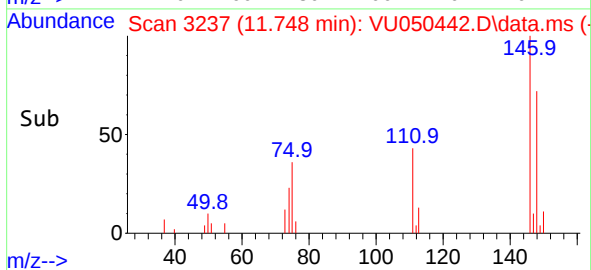
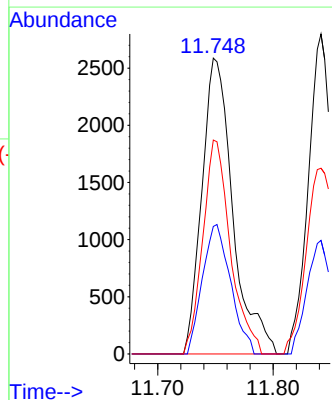
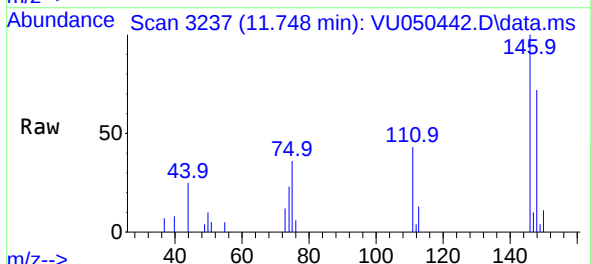
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

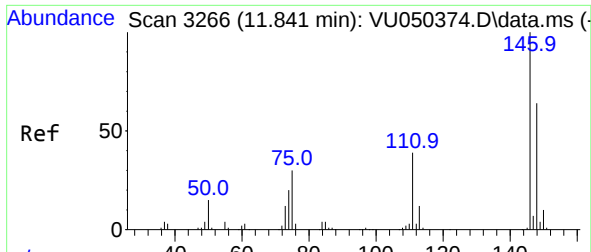
Tgt Ion:	119	Resp:	5613
Ion	Ratio	Lower	Upper
119	100		
134	22.6	20.5	30.7
91	21.1	19.8	29.6



#82
1,3-Dichlorobenzene
Concen: 0.180 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:	146	Resp:	4817
Ion	Ratio	Lower	Upper
146	100		
111	39.9	33.4	50.2
148	64.5	51.2	76.8





#83

1,4-Dichlorobenzene

Concen: 0.171 ug/l

RT: 11.841 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU050442.D

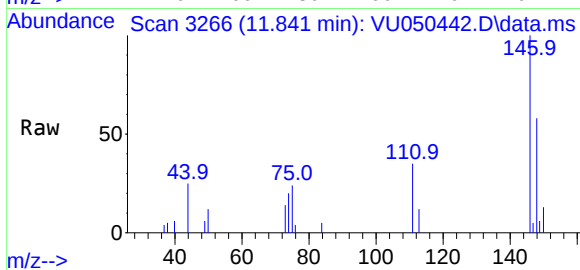
Acq: 25 Aug 2022 13:27

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES



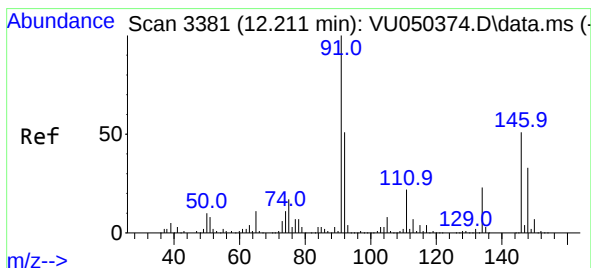
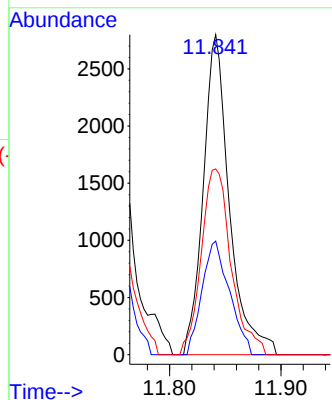
Tgt Ion:146 Resp: 4565

Ion	Ratio	Lower	Upper
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146	100		
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111	37.2	32.6	49.0
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148	66.4	51.6	77.4
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#84

n-Butylbenzene

Concen: 0.696 ug/l

RT: 12.214 min Scan# 3382

Delta R.T. 0.003 min

Lab File: VU050442.D

Acq: 25 Aug 2022 13:27

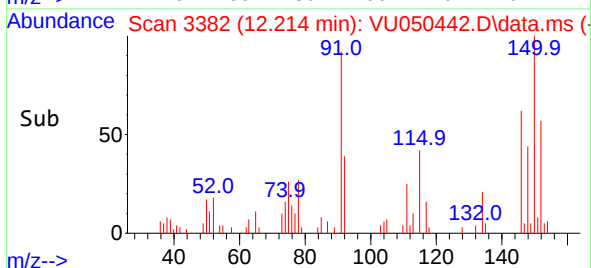
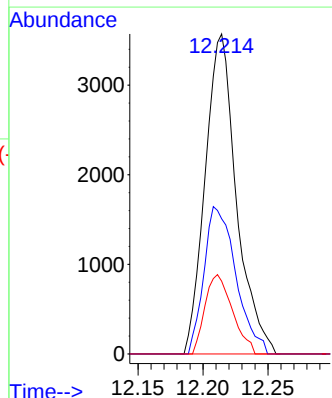
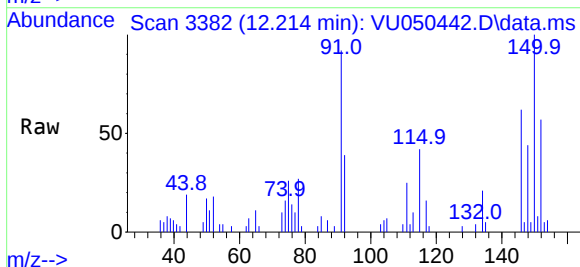
Tgt Ion: 91 Resp: 5977

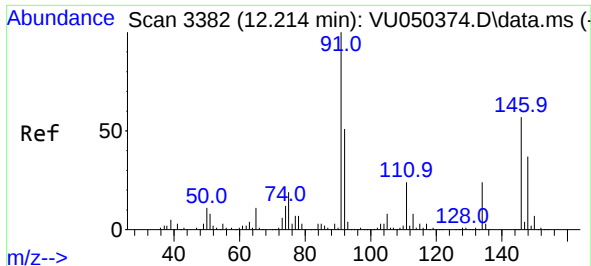
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

91	100		
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92	47.0	42.3	63.5
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134	21.8	19.6	29.4
-----	------	------	------

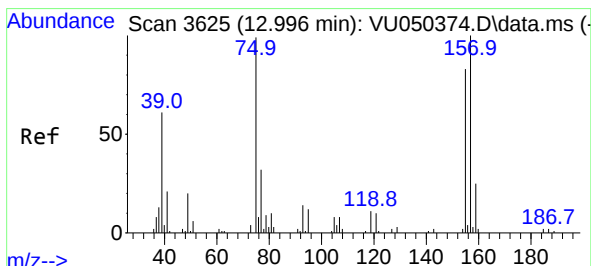
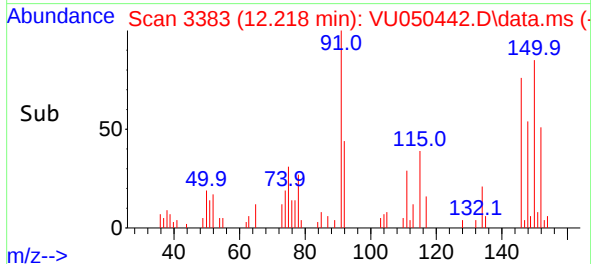
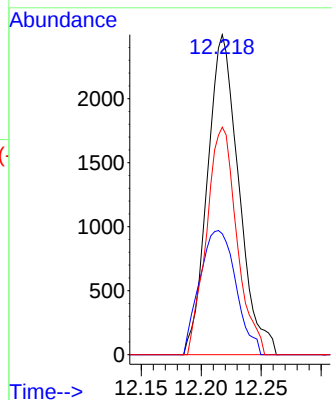
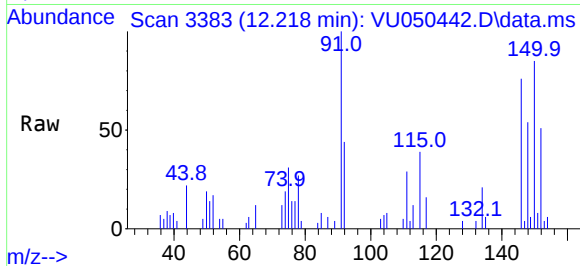




#85
1,2-Dichlorobenzene
Concen: 0.172 ug/l
RT: 12.218 min Scan# 311
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

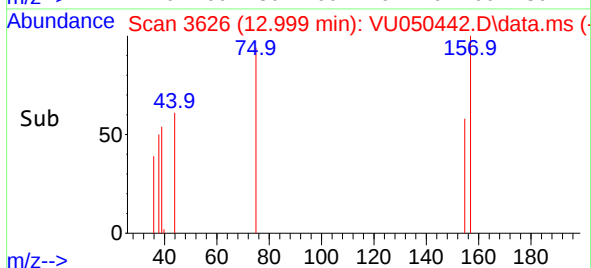
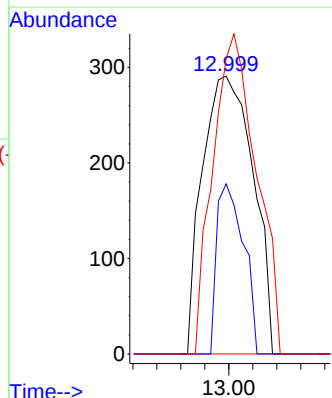
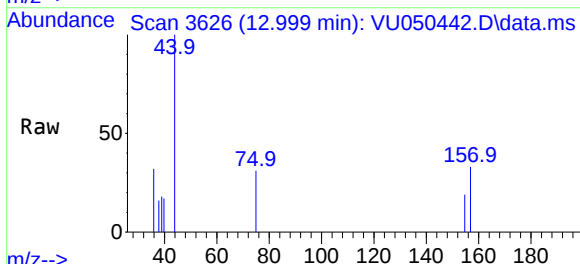
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

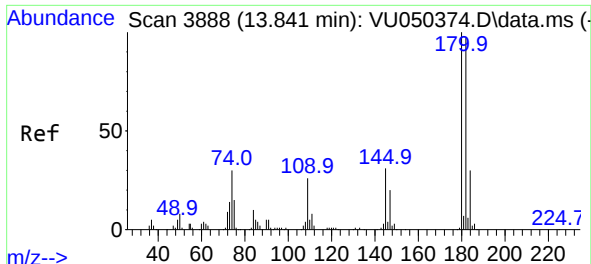
Tgt Ion:	146	Resp:	4539
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.1	66.1
148	68.7	32.1	96.3



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.178 ug/l
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:	75	Resp:	428
Ion	Ratio	Lower	Upper
75	100		
155	32.2	66.8	100.2#
157	98.6	83.8	125.8

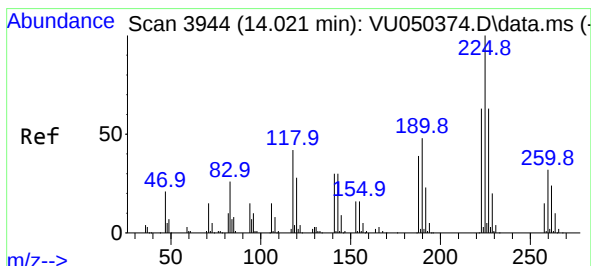
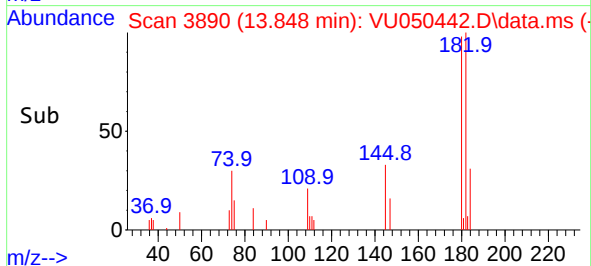
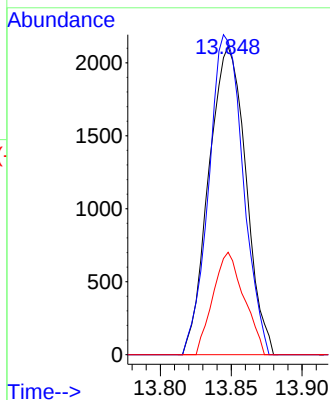
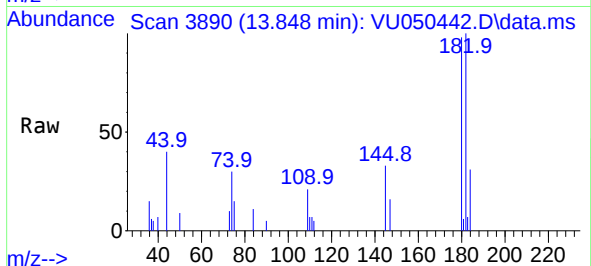




#87
1,2,4-Trichlorobenzene
Concen: 0.255 ug/l
RT: 13.848 min Scan# 3888
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

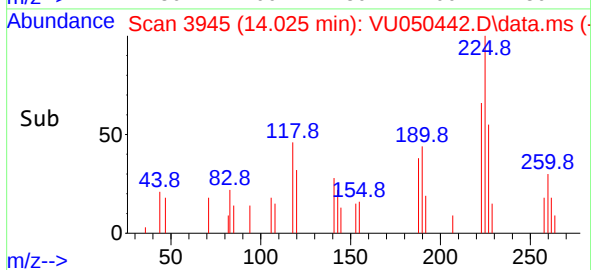
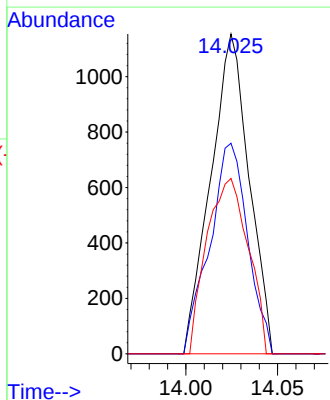
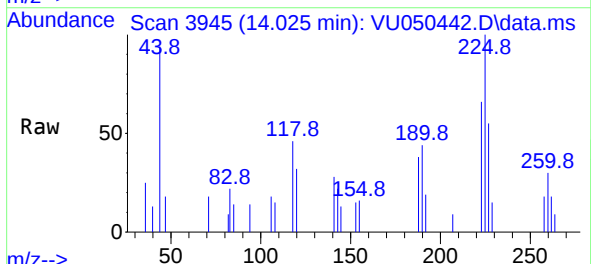
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

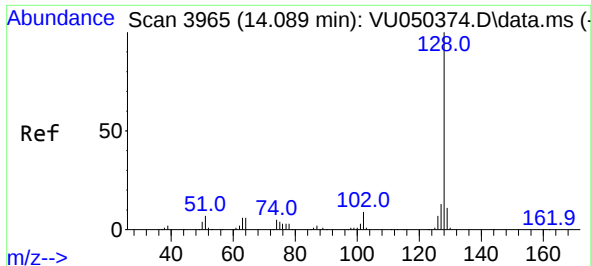
Tgt Ion:180 Resp: 3839
Ion Ratio Lower Upper
180 100
182 96.2 77.0 115.6
145 27.8 25.7 38.5



#88
Hexachlorobutadiene
Concen: 0.172 ug/l
RT: 14.025 min Scan# 3945
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:225 Resp: 1680
Ion Ratio Lower Upper
225 100
223 65.4 50.6 76.0
227 59.3 50.7 76.1

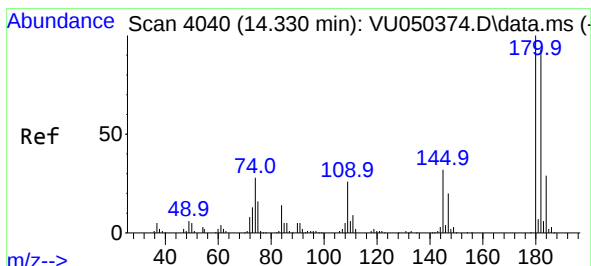
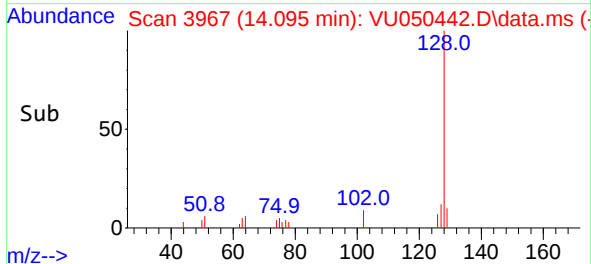
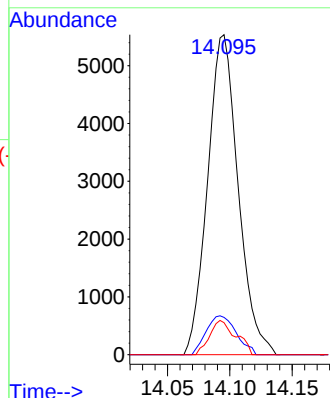
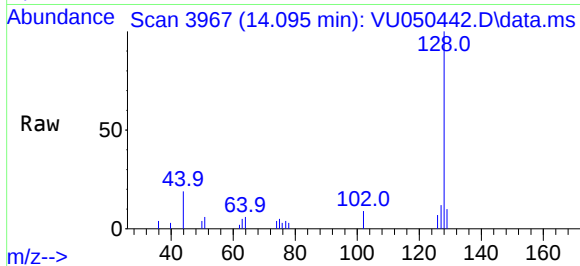




#89
Naphthalene
Concen: 1.170 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.007 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

Tgt Ion:	128	Resp:	9438
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.1	15.1
129	9.2	8.6	12.8



#90
1,2,3-Trichlorobenzene
Concen: 0.678 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU050442.D
Acq: 25 Aug 2022 13:27

Tgt Ion:	180	Resp:	3780
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	31.0	27.3	40.9

