

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050384.D
 Acq On : 19 Aug 2022 22:47
 Operator : SY/MD
 Sample : N3734-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS-OXYGENATES

Quant Time: Aug 24 15:57:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Aug 24 15:57:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.128	96	38714	1.000	ug/l	# 0.01
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	8418	0.639	ug/l	0.00
Spiked Amount 1.000			Recovery	=	64.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	11918	0.765	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1022	0.052	ug/l	# 82
4) Vinyl Chloride	1.607	62	144	0.009	ug/l	# 43
6) Chloroethane	1.935	64	19	0.002	ug/l	# 42
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	162200	13.945	ug/l	97
9) 1,1-Dichloroethene	2.581	96	511	0.045	ug/l	41
12) Acrylonitrile	3.202	53	710	0.208	ug/l	# 1
13) Acetone	2.584	43	1736	0.726	ug/l	89
14) Carbon Disulfide	2.793	76	3485	0.099	ug/l	# 92
15) Methylene Chloride	3.054	84	12215	0.792	ug/l	95
17) 1,1-Dichloroethane	3.887	63	64	0.003	ug/l	# 83
18) 2-Butanone	4.941	43	2004	0.533	ug/l	81
19) Cyclohexane	5.362	56	135	0.008	ug/l	# 19
21) 2,2-Dichloropropane	4.713	77	1742	0.093	ug/l	# 52
24) tert-Butyl Alcohol	3.211	59	91174	73.729	ug/l	# 73
25) Methyl tert-Butyl Ether	3.388	73	1214561	40.101	ug/l	95
27) Chloroform	5.073	83	194	0.008	ug/l	83
29) 1,1-Dichloropropene	5.517	75	379	0.023	ug/l	# 42
31) Isopropyl Ether	4.025	45	1809050	47.504	ug/l	99
32) Ethyl-t-butyl ether	4.533	59	563048	18.820	ug/l	100
33) Tert-Amyl methyl ether	5.970	73	811326	41.600	ug/l	99
35) Benzene	5.777	78	276	0.006	ug/l	# 15
36) 1,2-Dichloroethane	5.970	62	1439	0.099	ug/l	# 75
37) Trichloroethene	6.568	130	20	0.002	ug/l	# 1
41) Tetrahydrofuran	5.073	42	481	0.211	ug/l	# 31
45) 4-Methyl-2-Pentanone	7.825	43	1863	0.268	ug/l	# 86
46) t-1,4-Dichloro-2-butene	10.912	75	5464	1.807	ug/l	# 1
49) Toluene	7.986	92	570	0.022	ug/l	78
50) t-1,3-Dichloropropene	8.237	75	45	0.004	ug/l	# 1
54) 2-Hexanone	8.719	43	184	0.038	ug/l	# 42
55) Dibromochloromethane	8.565	129	53	0.005	ug/l	# 11
59) Chlorobenzene	9.455	112	186	0.007	ug/l	# 44
61) Pentachloroethane	11.449	117	152	0.016	ug/l	# 8
63) Ethyl Benzene	9.578	91	295	0.575	ug/l	# 44
64) m/p-Xylenes	9.706	106	153	1.091	ug/l	# 60
66) Styrene	10.124	104	40	0.602	ug/l	# 25
70) 1,1,2,2-Tetrachloroethane	10.787	83	20	0.001	ug/l	# 1
71) 1,2,3-Trichloropropane	10.912	75	5464	0.520	ug/l	# 1
73) n-propylbenzene	10.912	120	180656	11.704	ug/l	98
74) 2-Chlorotoluene	11.102	126	110	0.397	ug/l	# 1
75) 1,3,5-Trimethylbenzene	10.912	105	28601	1.077	ug/l	# 1
76) 4-Chlorotoluene	11.102	126	110	0.408	ug/l	# 1
77) tert-Butylbenzene	11.423	119	182	0.498	ug/l	# 29
78) 1,2,4-Trimethylbenzene	11.471	105	625	0.577	ug/l	# 33

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

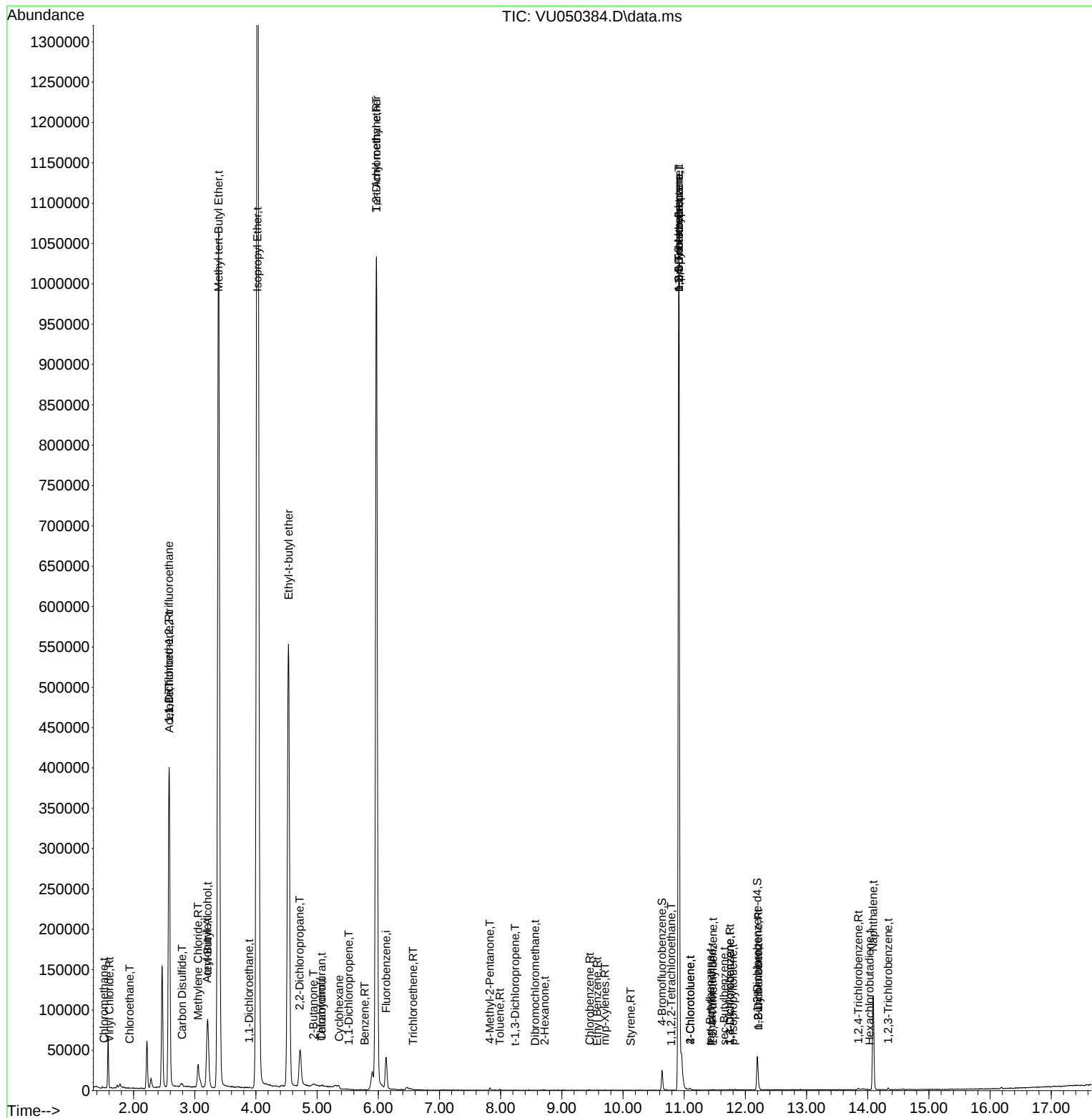
79) sec-Butylbenzene	11.652	105	531	0.557	ug/l #	66
81) p-Isopropyltoluene	11.799	119	466	0.613	ug/l #	55
82) 1,3-Dichlorobenzene	11.748	146	396	0.016	ug/l	87
83) 1,4-Dichlorobenzene	11.748	146	396	0.016	ug/l	88
84) n-Butylbenzene	12.211	91	1116	0.609	ug/l #	84
85) 1,2-Dichlorobenzene	12.211	146	284	0.012	ug/l #	82
87) 1,2,4-Trichlorobenzene	13.844	180	773	0.056	ug/l	86
88) Hexachlorobutadiene	14.031	225	43	0.005	ug/l #	19
89) Naphthalene	14.089	128	99333	3.358	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	820	0.536	ug/l	92

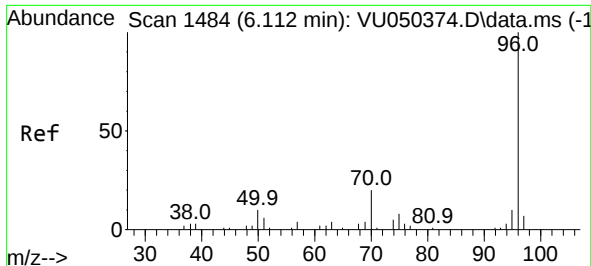
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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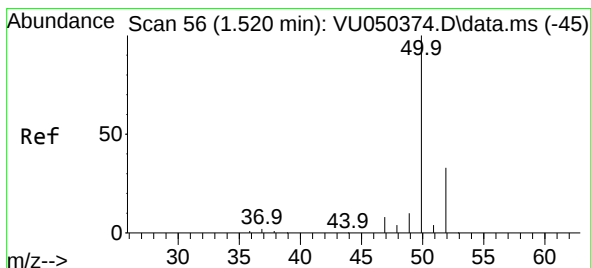
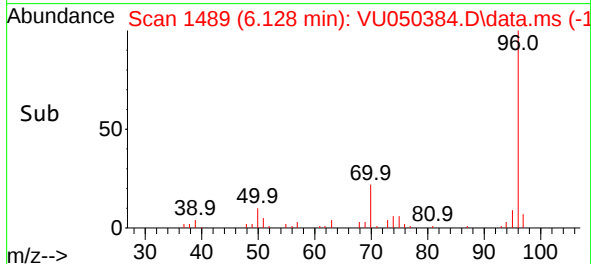
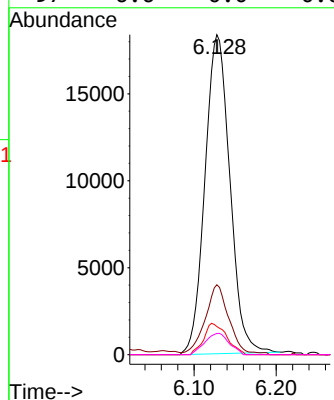
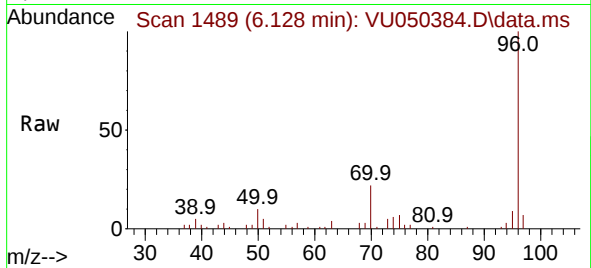




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.128 min Scan# 1484
Delta R.T. 0.013 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

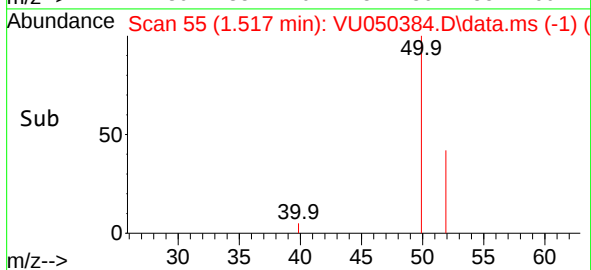
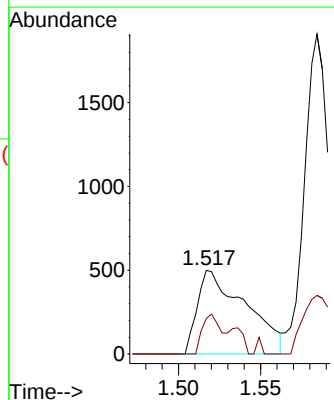
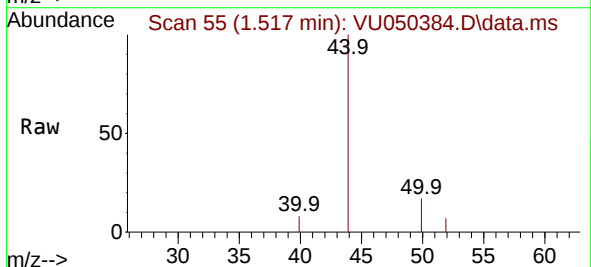
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

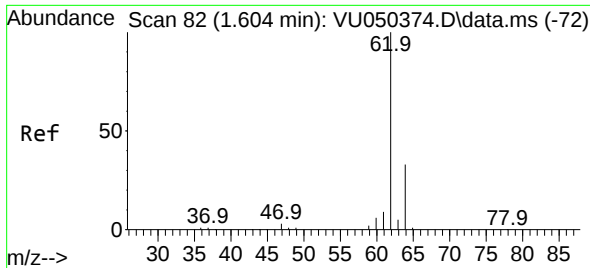
Tgt Ion: 96	Resp: 38714
Ion Ratio	Lower Upper
96 100	
70 20.0	16.7 25.1
95 9.1	7.4 11.0
97 6.6	0.0 0.0



#3
Chloromethane
Concen: 0.052 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion: 50	Resp: 1022
Ion Ratio	Lower Upper
50 100	
52 42.5	26.1 39.1

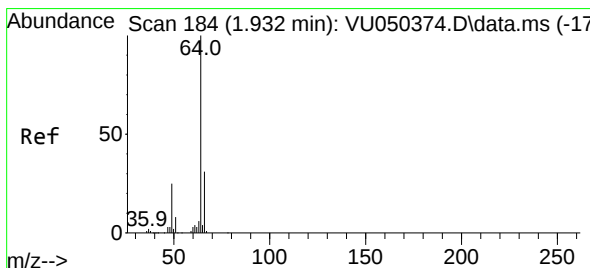
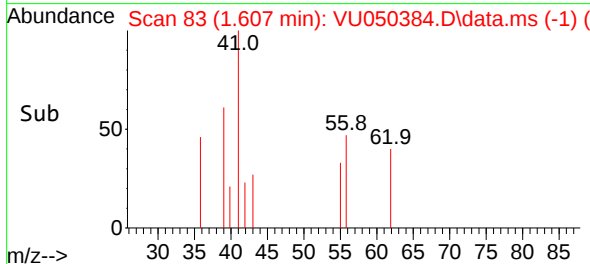
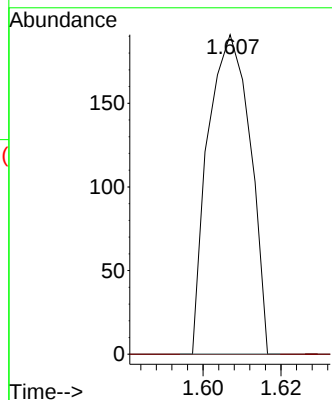
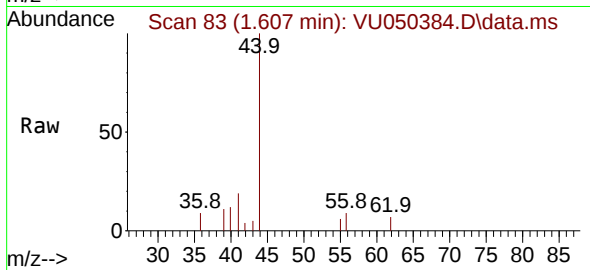




#4
 Vinyl Chloride
 Concen: 0.009 ug/l
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050384.D
 Acq: 19 Aug 2022 22:47

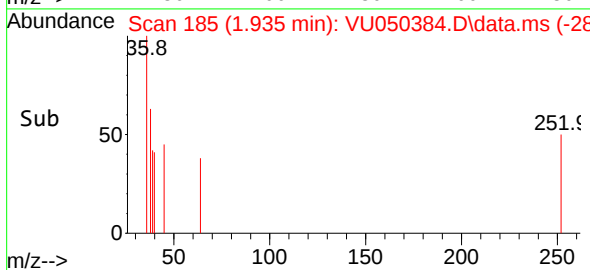
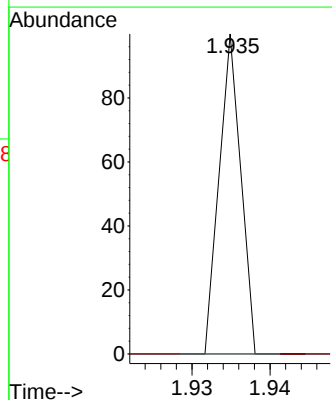
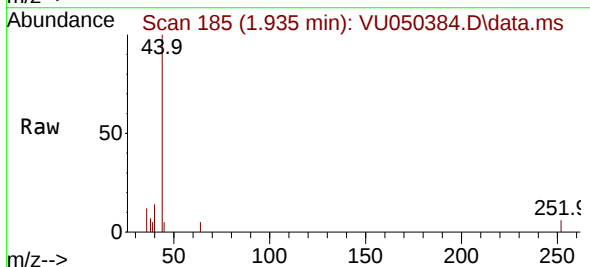
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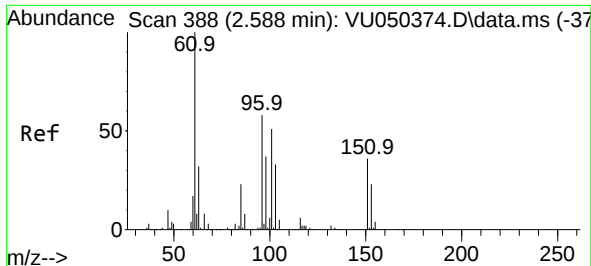
Tgt Ion: 62 Resp: 144
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.5 38.3#



#6
 Chloroethane
 Concen: 0.002 ug/l
 RT: 1.935 min Scan# 185
 Delta R.T. 0.003 min
 Lab File: VU050384.D
 Acq: 19 Aug 2022 22:47

Tgt Ion: 64 Resp: 19
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.8 38.6#

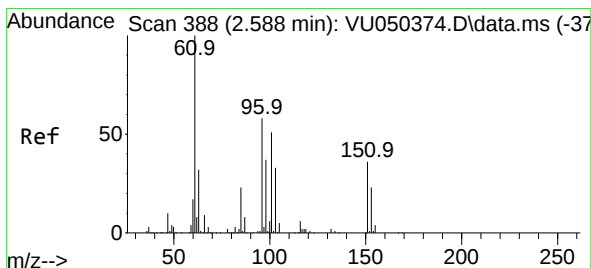
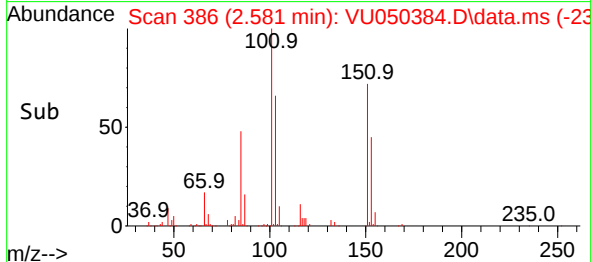
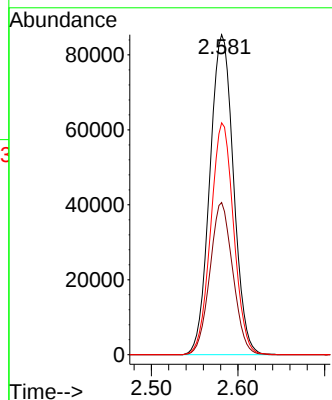
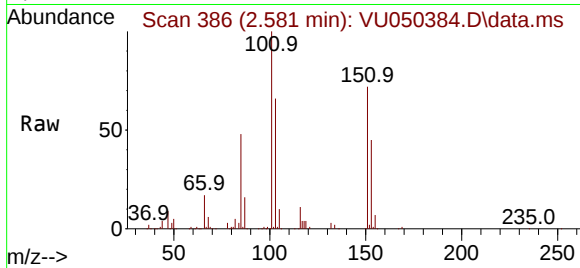




#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 13.945 ug/l
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU050384.D
 Acq: 19 Aug 2022 22:47

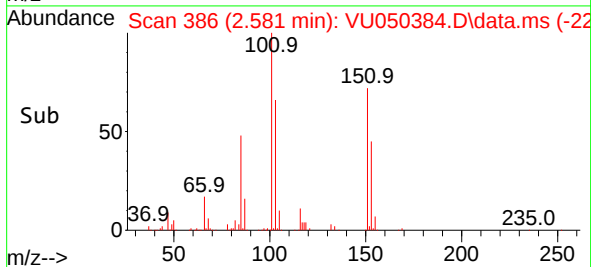
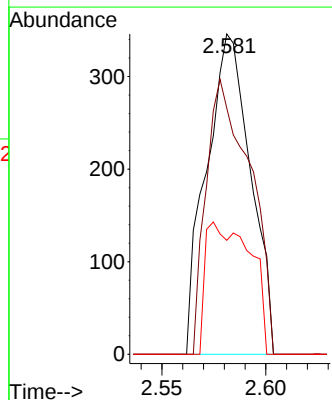
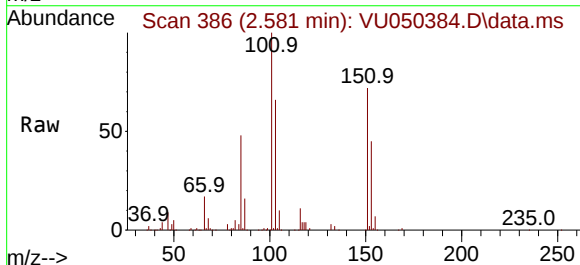
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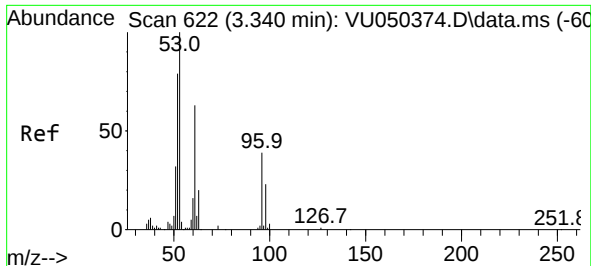
Tgt Ion:101 Resp: 162200
 Ion Ratio Lower Upper
 101 100
 85 46.0 36.4 54.6
 151 70.4 59.1 88.7



#9
 1,1-Dichloroethene
 Concen: 0.045 ug/l
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU050384.D
 Acq: 19 Aug 2022 22:47

Tgt Ion: 96 Resp: 511
 Ion Ratio Lower Upper
 96 100
 61 76.9 0.0 510.6
 98 35.5 0.0 124.6

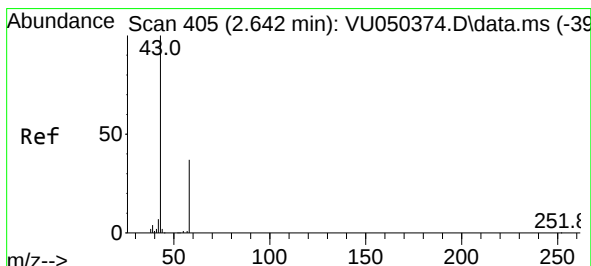
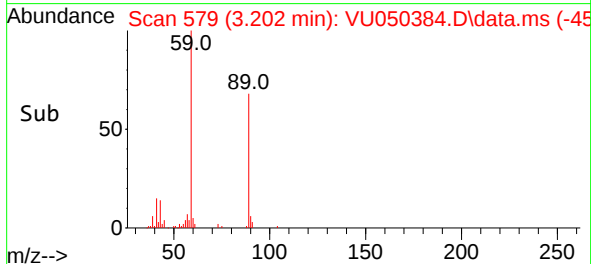
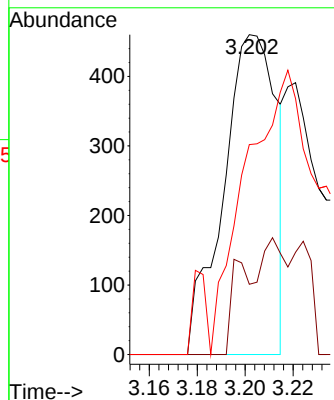
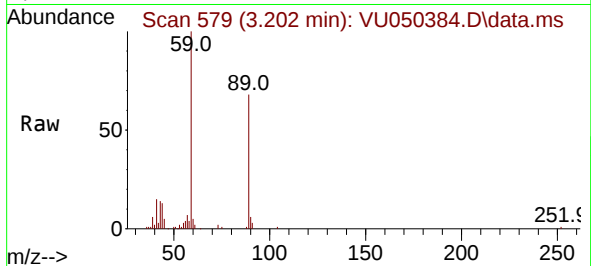




#12
Acrylonitrile
Concen: 0.208 ug/l
RT: 3.202 min Scan# 51
Delta R.T. -0.116 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

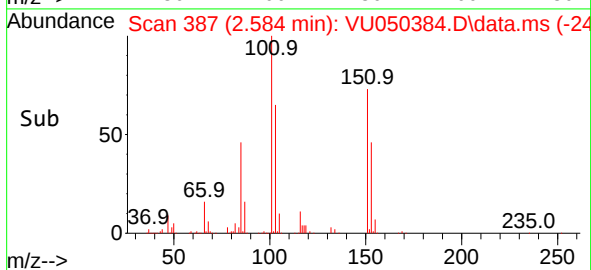
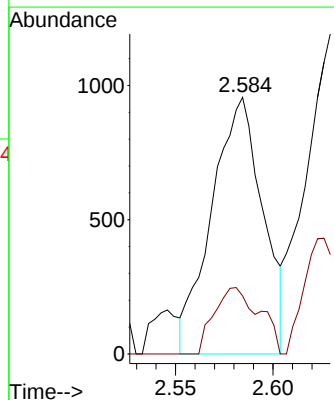
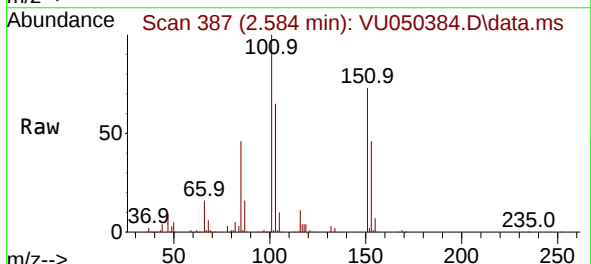
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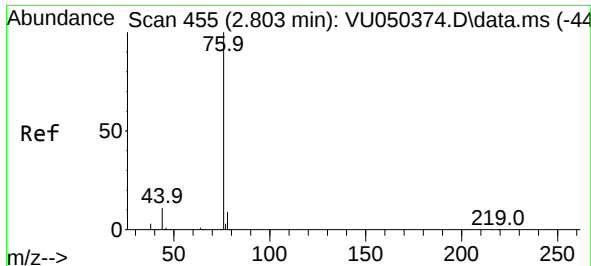
Tgt Ion: 53 Resp: 710
Ion Ratio Lower Upper
53 100
52 12.8 64.6 97.0#
51 144.6 30.7 46.1#



#13
Acetone
Concen: 0.726 ug/l
RT: 2.584 min Scan# 387
Delta R.T. -0.042 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
58 26.3 26.2 39.2

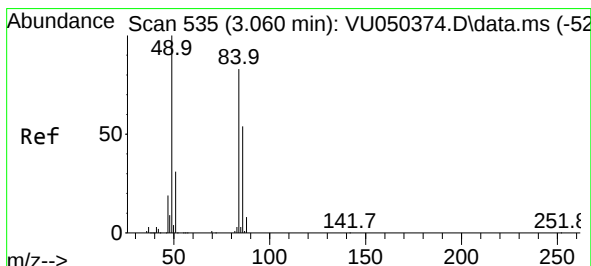
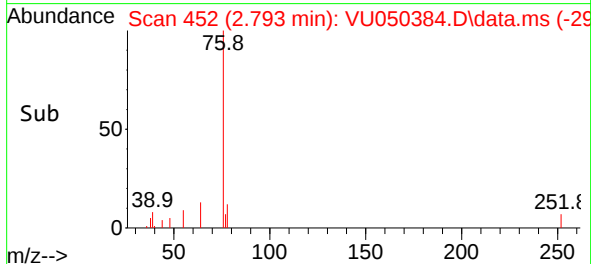
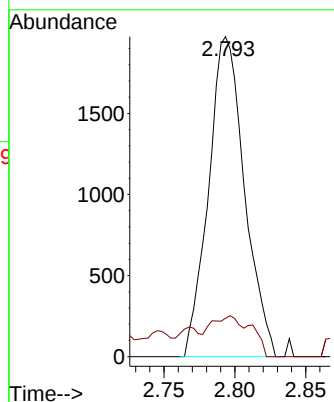
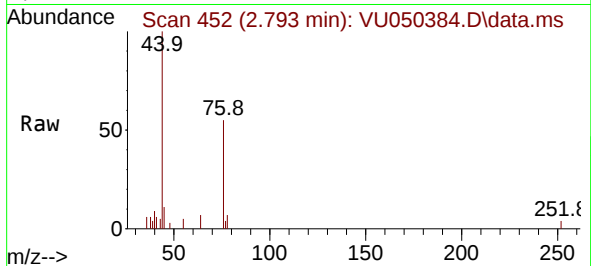




#14
Carbon Disulfide
Concen: 0.099 ug/l
RT: 2.793 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

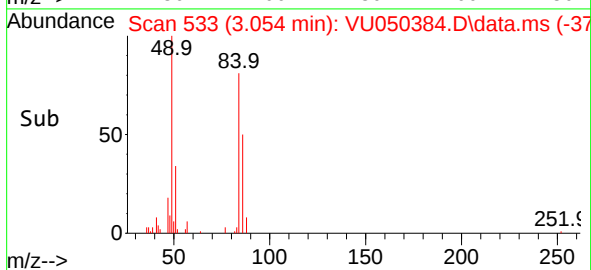
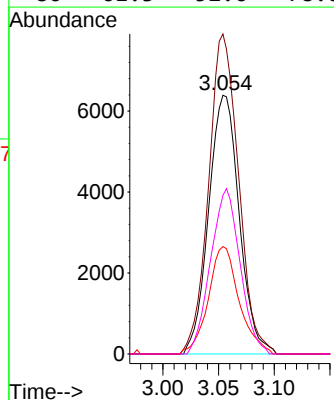
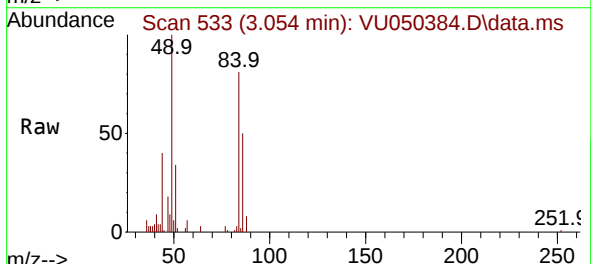
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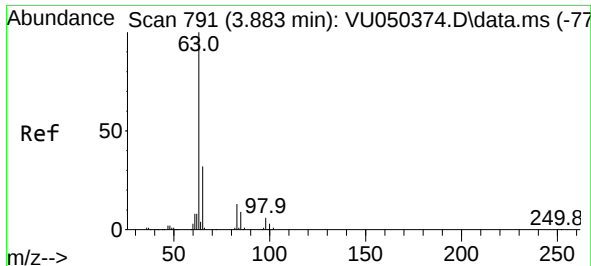
Tgt Ion: 76 Resp: 3485
Ion Ratio Lower Upper
76 100
78 12.0 7.4 11.0#



#15
Methylene Chloride
Concen: 0.792 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.010 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion: 84 Resp: 12215
Ion Ratio Lower Upper
84 100
49 123.7 104.6 157.0
51 41.5 0.0 81.4
86 61.3 52.6 78.8





#17

1,1-Dichloroethane

Concen: 0.003 ug/l

RT: 3.887 min Scan# 791

Delta R.T. 0.023 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES

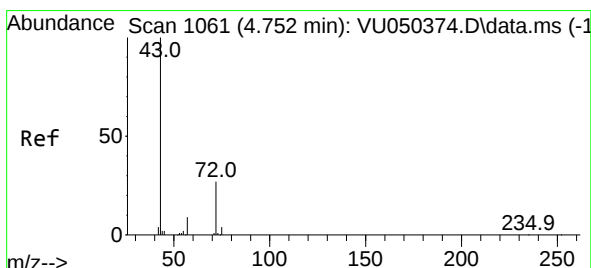
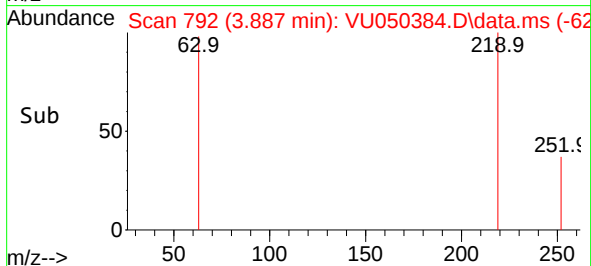
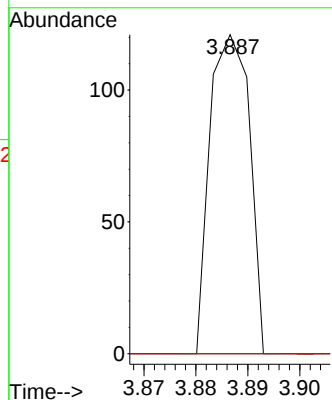
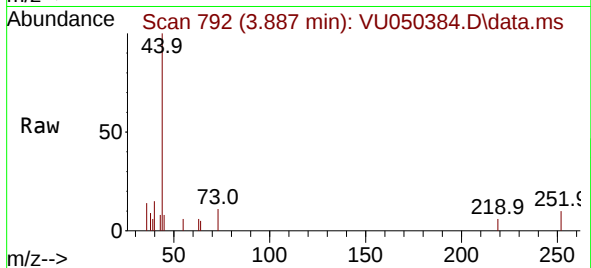
Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.0 6.0#



#18

2-Butanone

Concen: 0.533 ug/l

RT: 4.941 min Scan# 1120

Delta R.T. 0.222 min

Lab File: VU050384.D

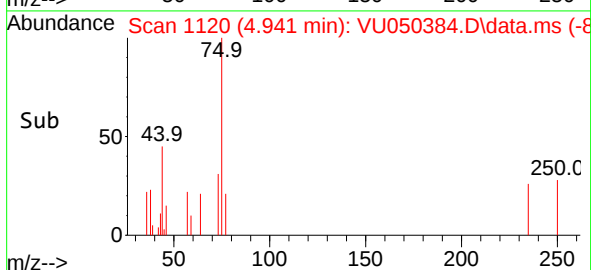
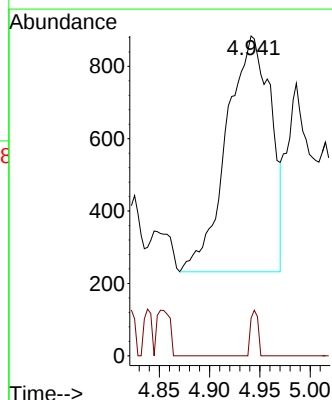
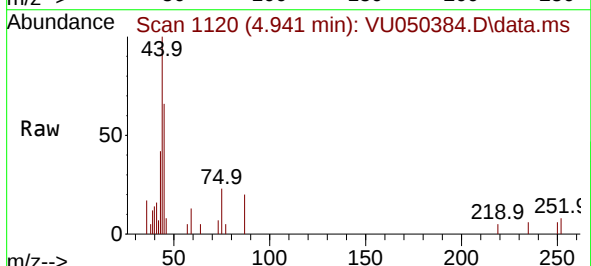
Acq: 19 Aug 2022 22:47

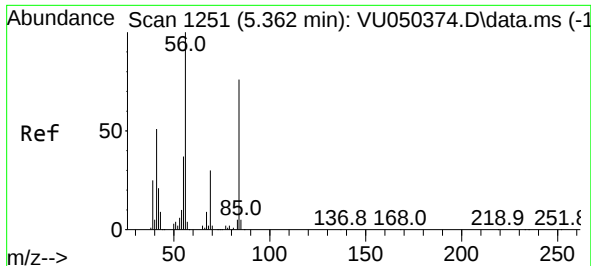
Tgt Ion: 43 Resp: 2004

Ion Ratio Lower Upper

43 100

57 16.0 0.0 18.0





#19

Cyclohexane

Concen: 0.008 ug/l

RT: 5.362 min Scan# 1

Delta R.T. -0.022 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES

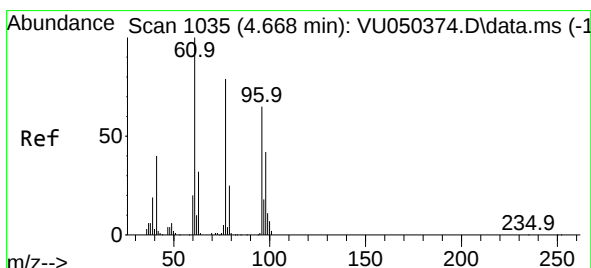
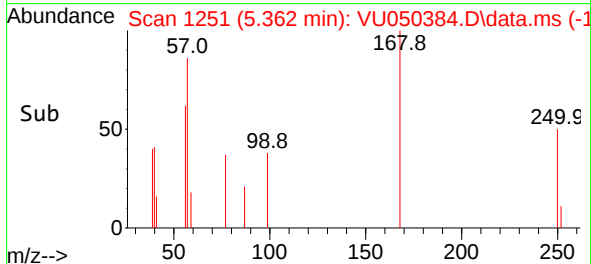
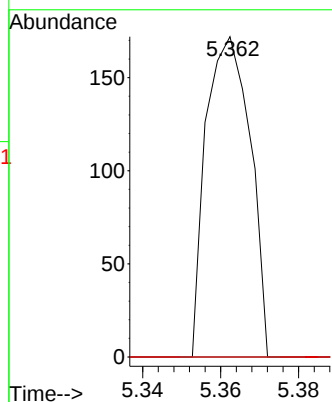
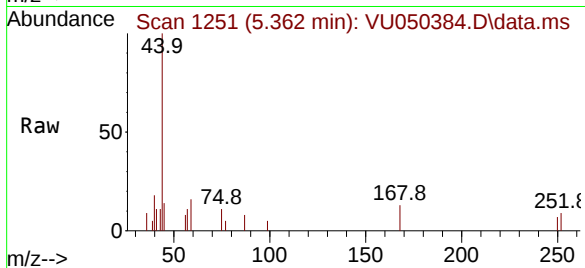
Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

69 0.0 24.2 36.4#

84 0.0 63.4 95.2#



#21

2,2-Dichloropropane

Concen: 0.093 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. 0.048 min

Lab File: VU050384.D

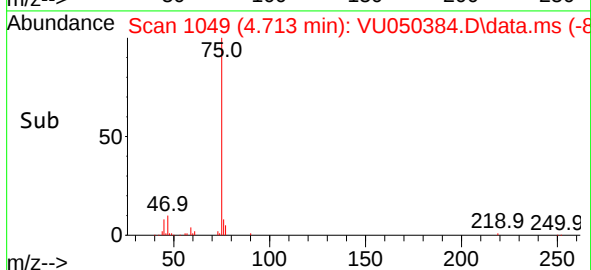
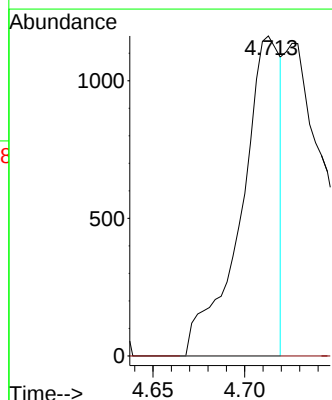
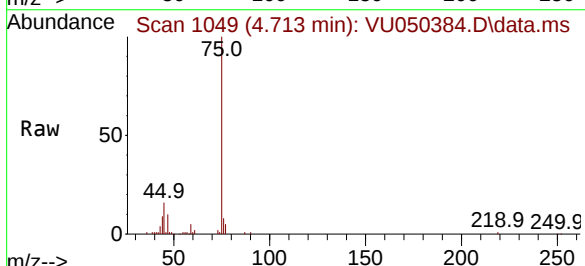
Acq: 19 Aug 2022 22:47

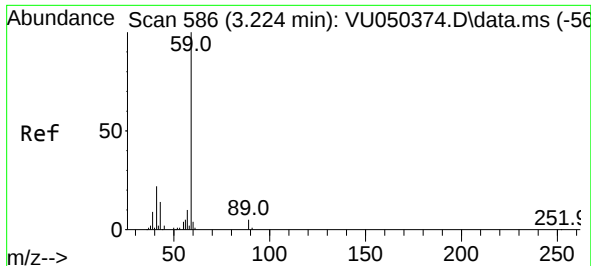
Tgt Ion: 77 Resp: 1742

Ion Ratio Lower Upper

77 100

97 0.0 18.5 27.7#

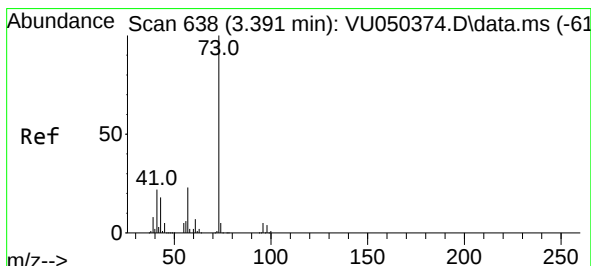
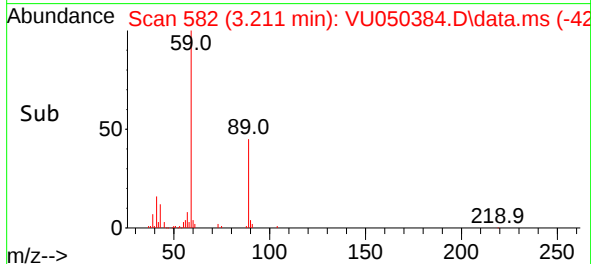
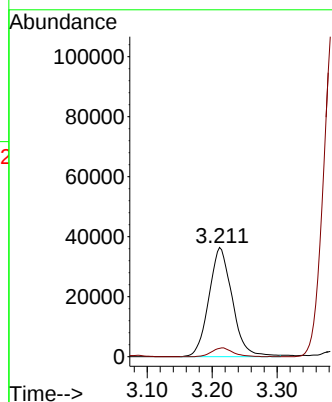
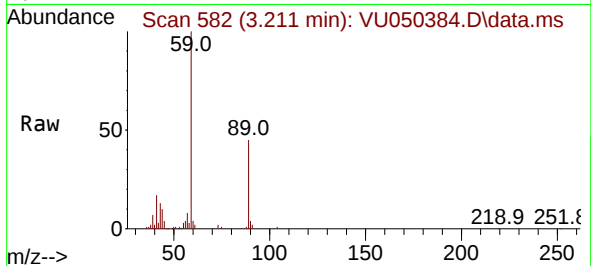




#24
tert-Butyl Alcohol
Concen: 73.729 ug/l
RT: 3.211 min Scan# 582
Delta R.T. 0.016 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

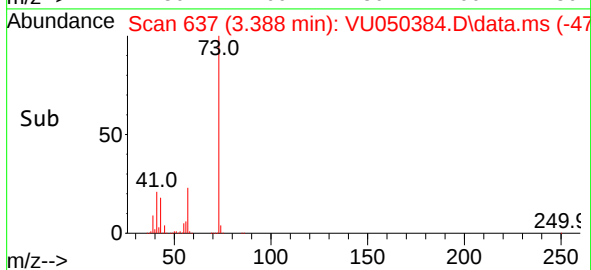
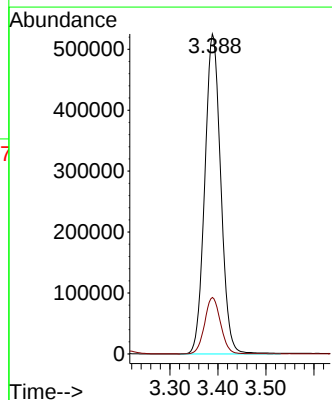
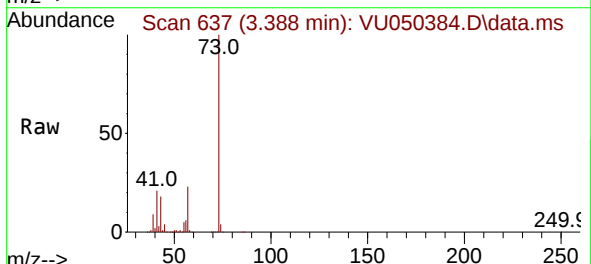
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

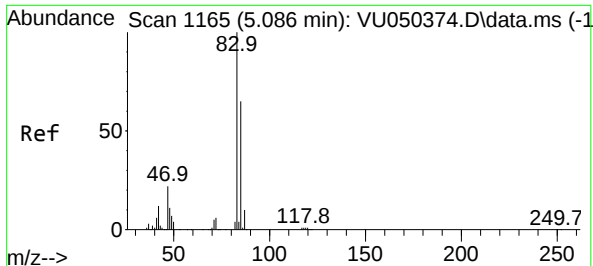
Tgt Ion: 59 Resp: 91174
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#25
Methyl tert-Butyl Ether
Concen: 40.101 ug/l
RT: 3.388 min Scan# 637
Delta R.T. 0.019 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion: 73 Resp: 1214561
Ion Ratio Lower Upper
73 100
43 17.6 15.9 23.9





#27

Chloroform

Concen: 0.008 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. -0.016 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

Instrument :

MSVOA_U

ClientSampleId :

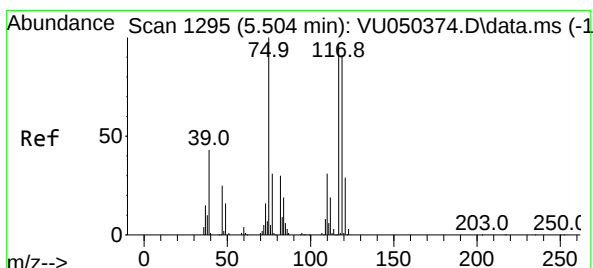
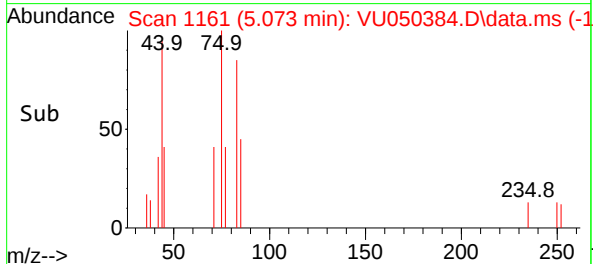
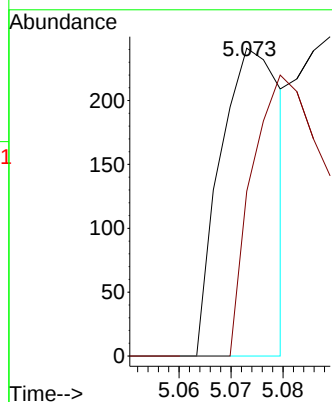
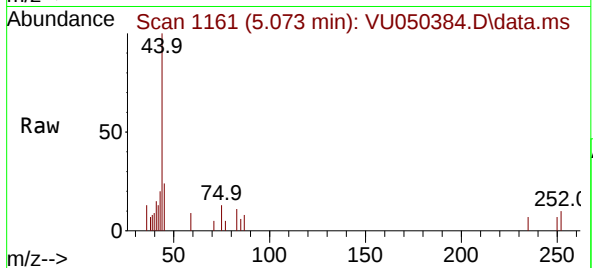
WS-OXYGENATES

Tgt Ion: 83 Resp: 194

Ion Ratio Lower Upper

83 100

85 53.5 0.0 133.6



#29

1,1-Dichloropropene

Concen: 0.023 ug/l

RT: 5.517 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

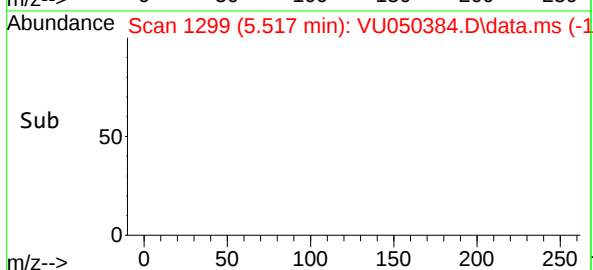
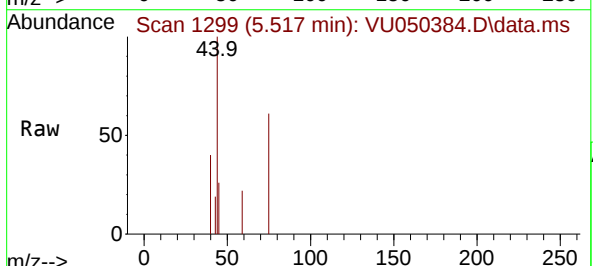
Tgt Ion: 75 Resp: 379

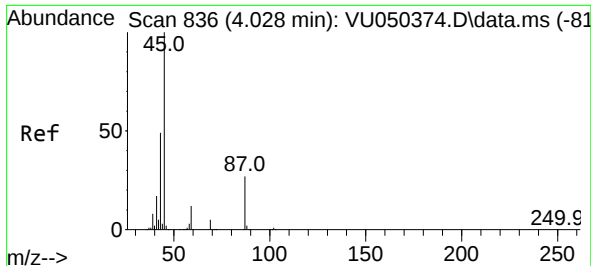
Ion Ratio Lower Upper

75 100

110 0.0 17.3 52.0#

77 0.0 24.6 37.0#

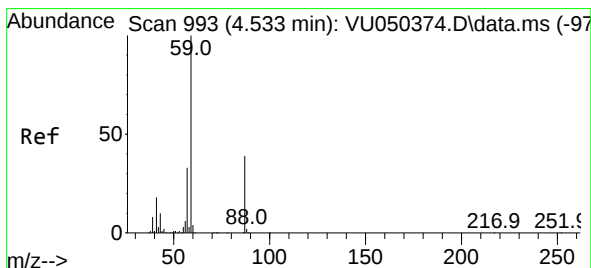
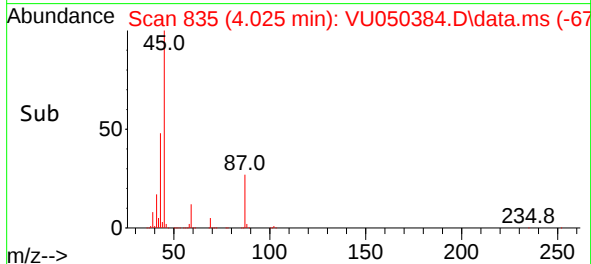
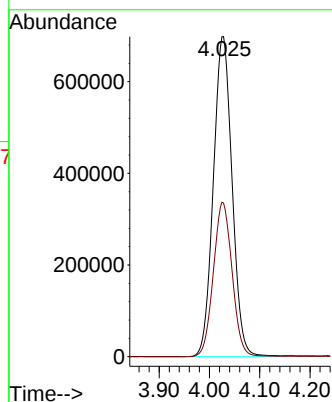
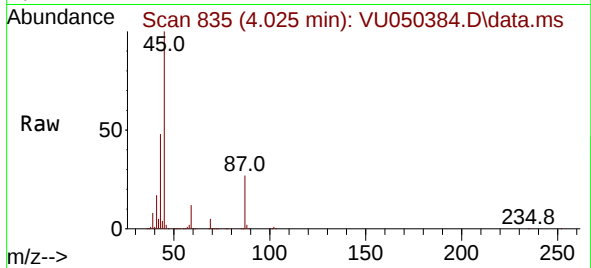




#31
Isopropyl Ether
Concen: 47.504 ug/l
RT: 4.025 min Scan# 81
Delta R.T. 0.023 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

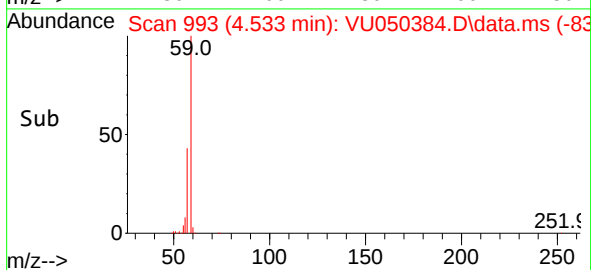
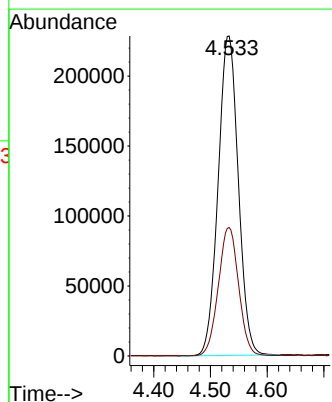
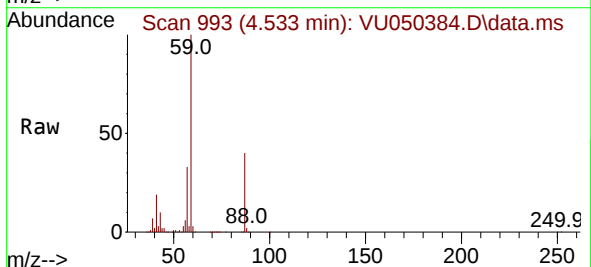
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

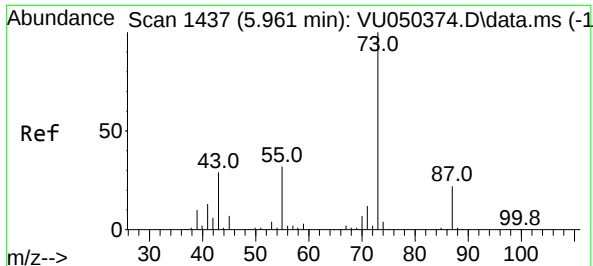
Tgt Ion: 45 Resp: 1809050
Ion Ratio Lower Upper
45 100
43 48.2 23.8 71.2



#32
Ethyl-t-butyl ether
Concen: 18.820 ug/l
RT: 4.533 min Scan# 993
Delta R.T. 0.019 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion: 59 Resp: 563048
Ion Ratio Lower Upper
59 100
87 40.3 32.5 48.7





#33

Tert-Amyl methyl ether

Concen: 41.600 ug/l

RT: 5.970 min Scan# 14

Delta R.T. 0.023 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES

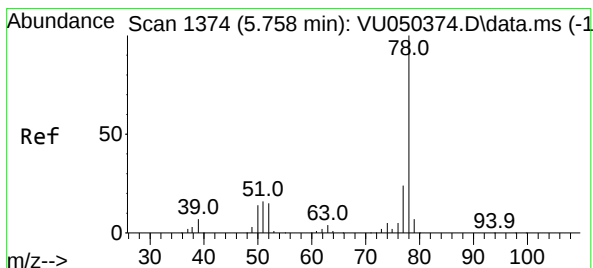
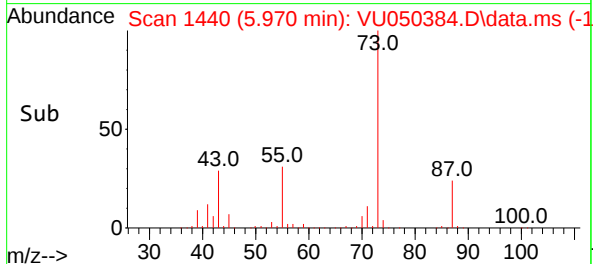
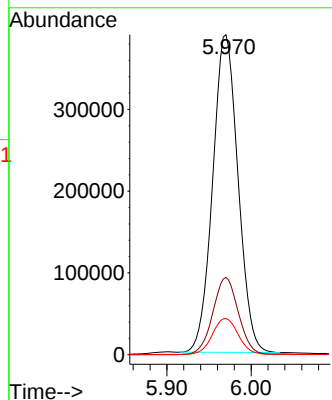
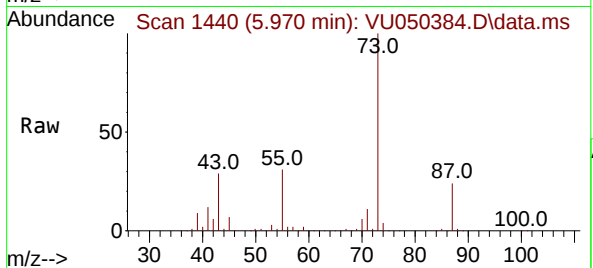
Tgt Ion: 73 Resp: 811326

Ion Ratio Lower Upper

73 100

87 24.3 19.7 29.5

71 11.6 9.0 13.4



#35

Benzene

Concen: 0.006 ug/l

RT: 5.777 min Scan# 1380

Delta R.T. 0.003 min

Lab File: VU050384.D

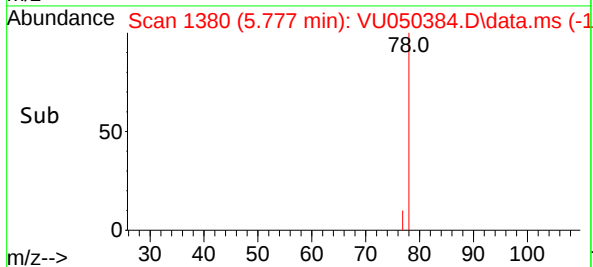
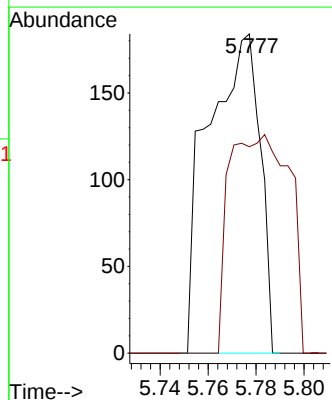
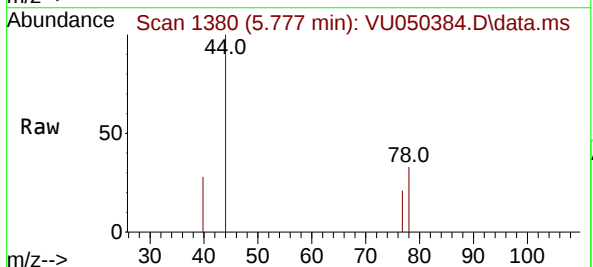
Acq: 19 Aug 2022 22:47

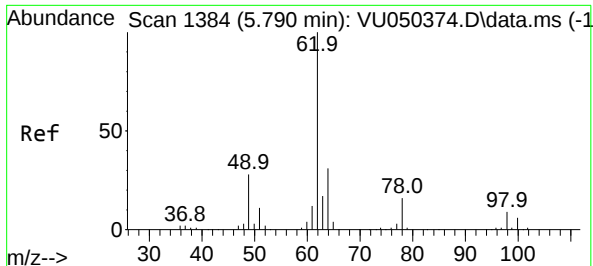
Tgt Ion: 78 Resp: 276

Ion Ratio Lower Upper

78 100

77 64.7 18.6 28.0#





#36

1,2-Dichloroethane

Concen: 0.099 ug/l

RT: 5.970 min Scan# 1440

Delta R.T. 0.174 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

Instrument :

MSVOA_U

ClientSampleId :

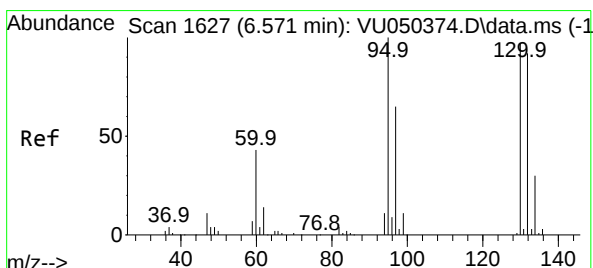
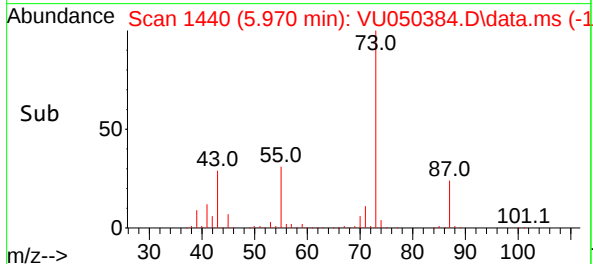
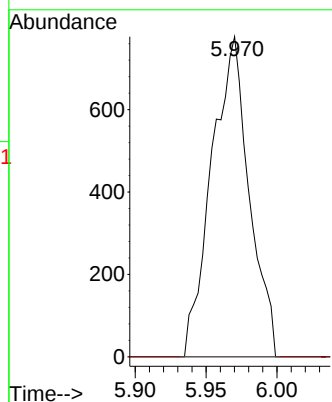
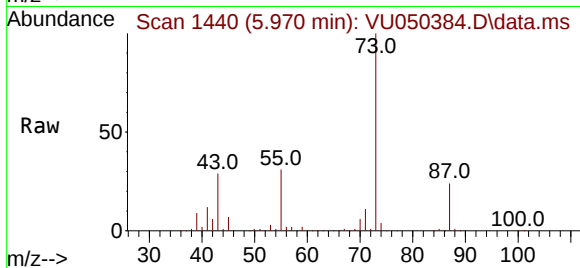
WS-OXYGENATES

Tgt Ion: 62 Resp: 1439

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#37

Trichloroethene

Concen: 0.002 ug/l

RT: 6.568 min Scan# 1626

Delta R.T. 0.026 min

Lab File: VU050384.D

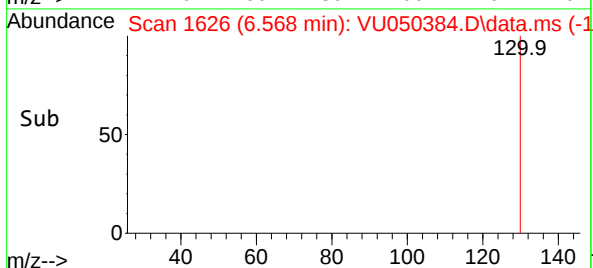
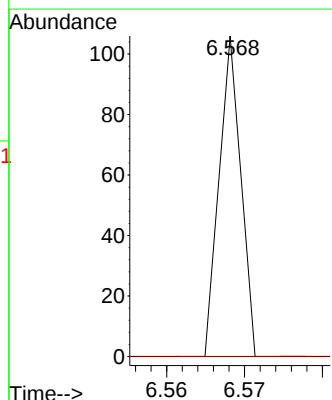
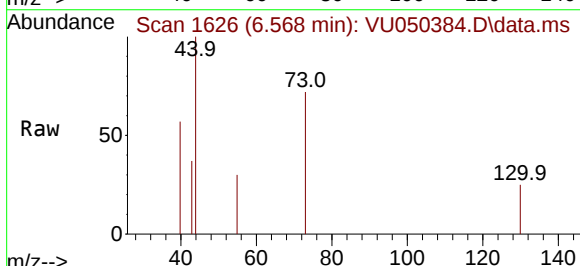
Acq: 19 Aug 2022 22:47

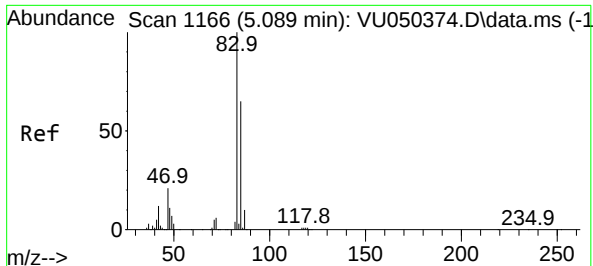
Tgt Ion: 130 Resp: 20

Ion Ratio Lower Upper

130 100

95 0.0 83.8 125.8#





#41

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.006 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES

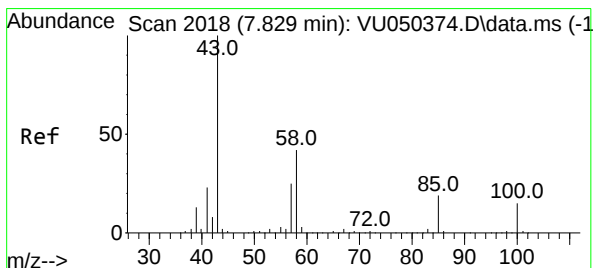
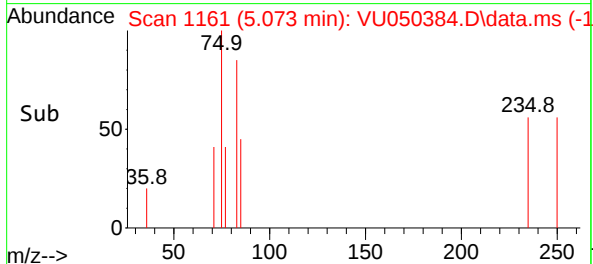
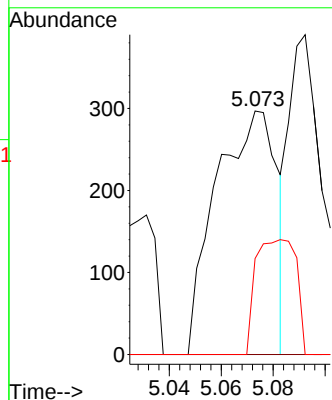
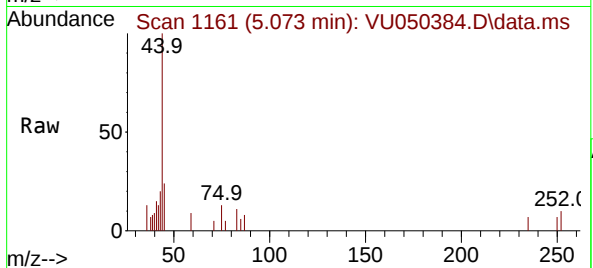
Tgt Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

72 0.0 38.9 58.3#

71 0.0 33.7 50.5#



#45

4-Methyl-2-Pentanone

Concen: 0.268 ug/l

RT: 7.825 min Scan# 2017

Delta R.T. 0.029 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

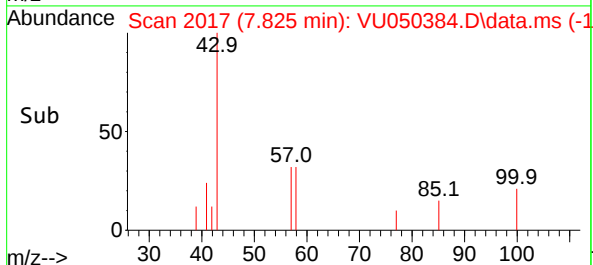
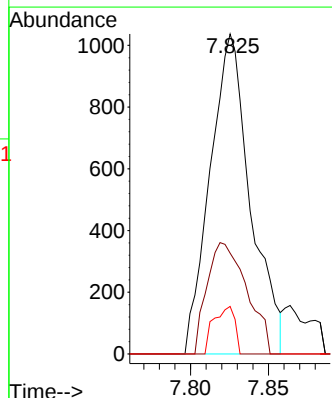
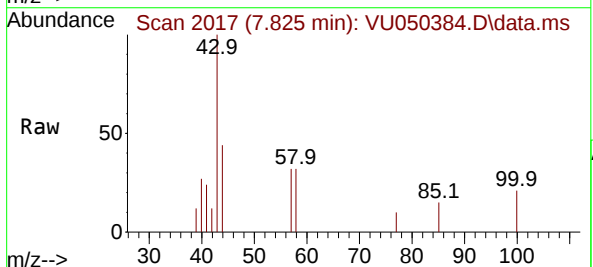
Tgt Ion: 43 Resp: 1863

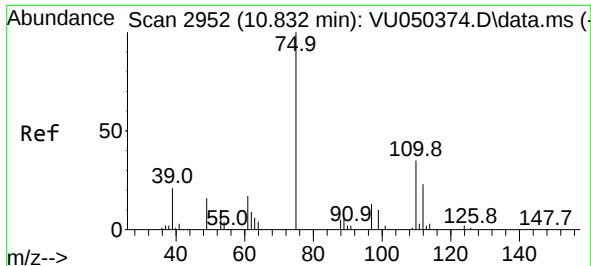
Ion Ratio Lower Upper

43 100

58 34.4 20.3 61.0

85 7.8 14.6 21.8#

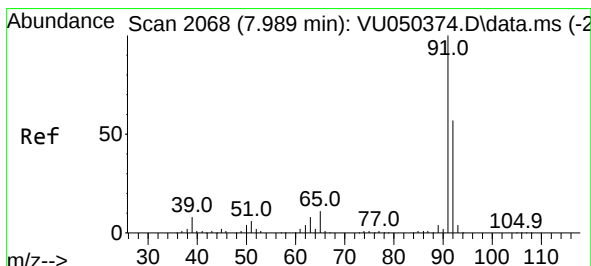
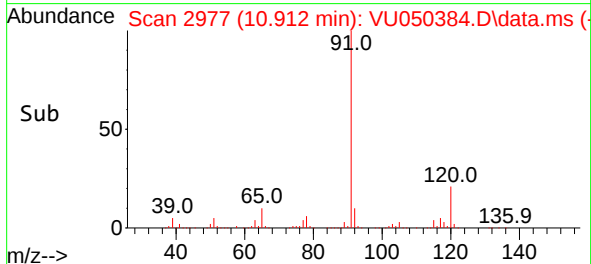
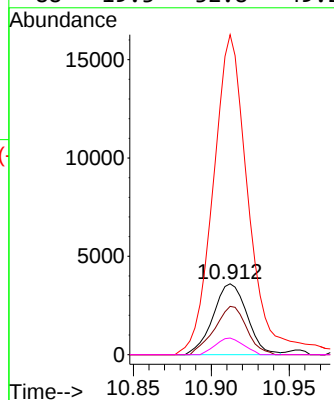
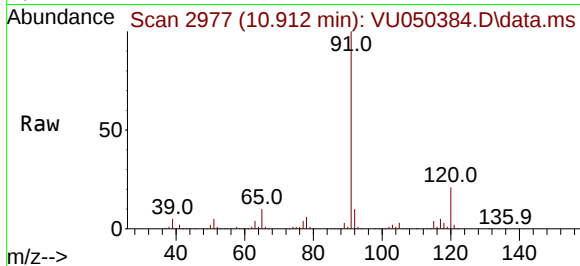




#46
t-1,4-Dichloro-2-butene
Concen: 1.807 ug/l
RT: 10.912 min Scan# 2952
Delta R.T. 0.080 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

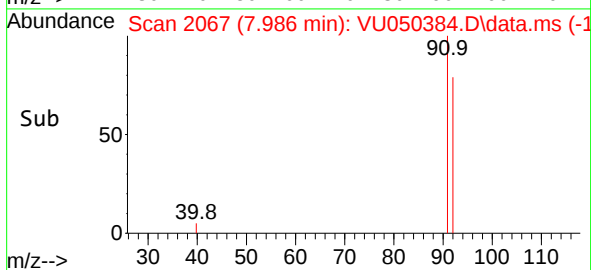
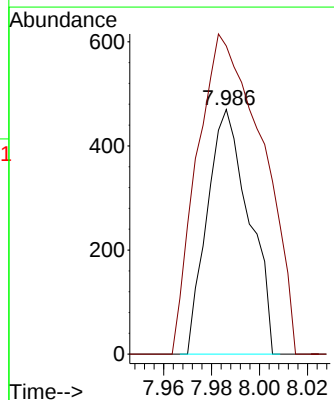
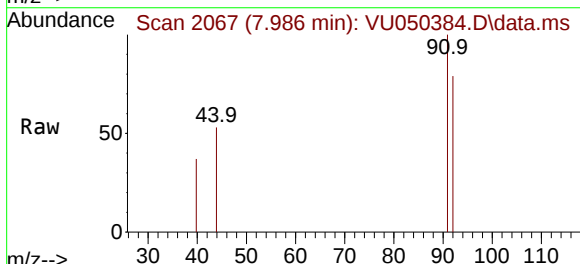
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

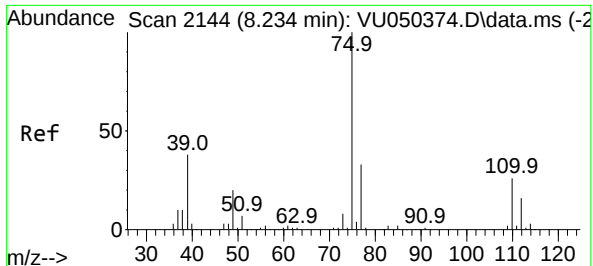
Tgt Ion:	75	Resp:	5464
Ion	Ratio	Lower	Upper
75	100		
53	64.6	64.4	96.6
89	469.3	44.2	66.2#
88	19.3	32.8	49.2#



#49
Toluene
Concen: 0.022 ug/l
RT: 7.986 min Scan# 2067
Delta R.T. 0.016 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion:	92	Resp:	570
Ion	Ratio	Lower	Upper
92	100		
91	203.9	138.6	207.8





#50

t-1,3-Dichloropropene

Concen: 0.004 ug/l

RT: 8.237 min Scan# 2145

Delta R.T. 0.026 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

Instrument :

MSVOA_U

ClientSampleId :

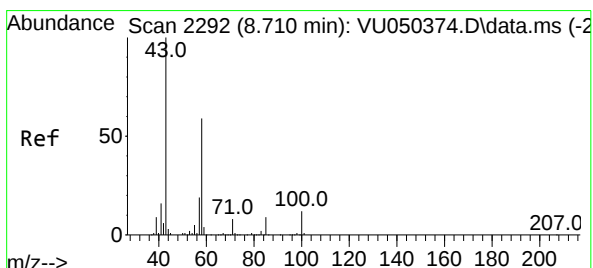
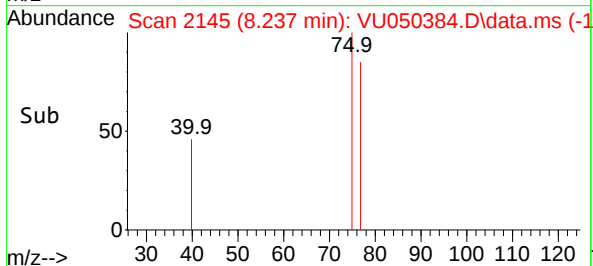
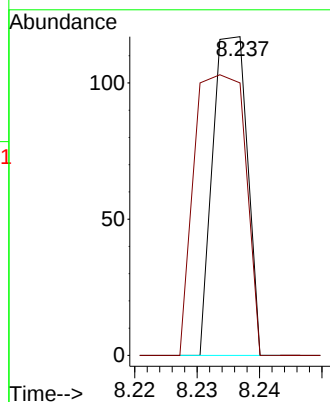
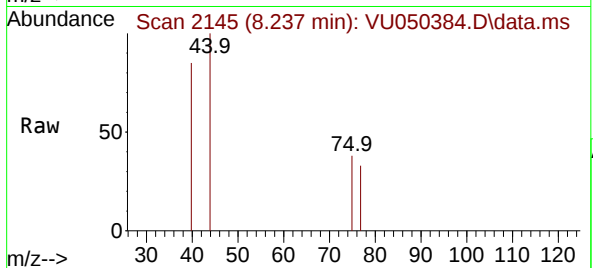
WS-OXYGENATES

Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

77 85.5 24.7 37.1#



#54

2-Hexanone

Concen: 0.038 ug/l

RT: 8.719 min Scan# 2295

Delta R.T. 0.029 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

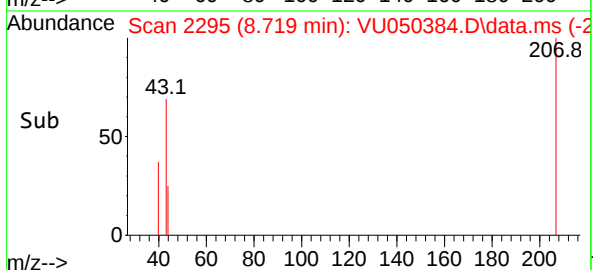
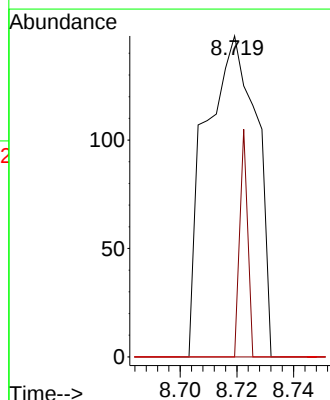
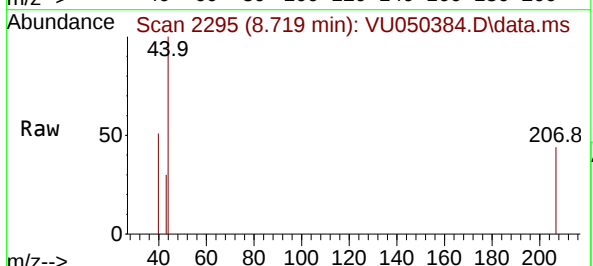
Tgt Ion: 43 Resp: 184

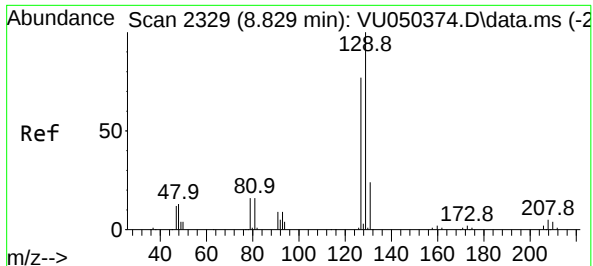
Ion Ratio Lower Upper

43 100

58 10.9 37.1 77.1#

57 0.0 0.0 39.5

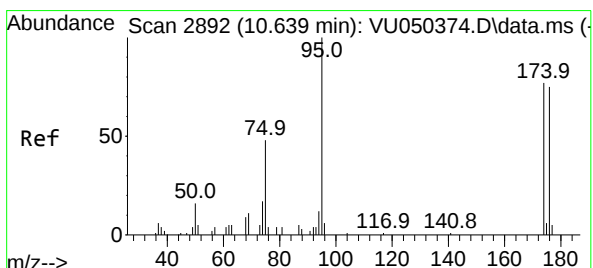
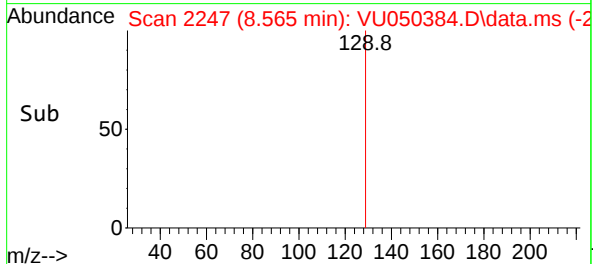
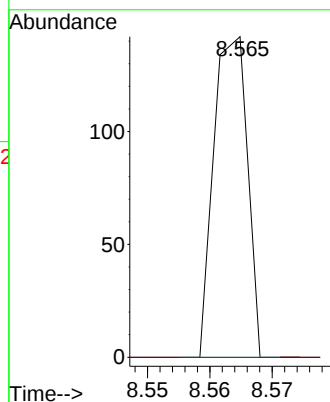
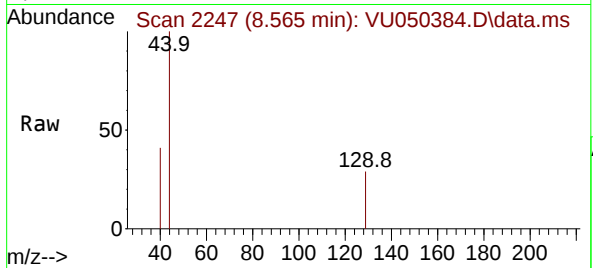




#55
Dibromochloromethane
Concen: 0.005 ug/l
RT: 8.565 min Scan# 21
Delta R.T. -0.248 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

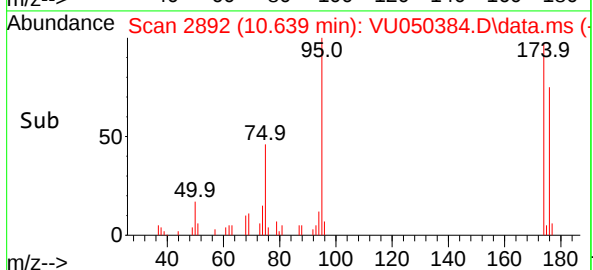
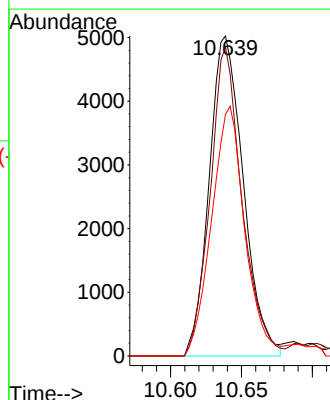
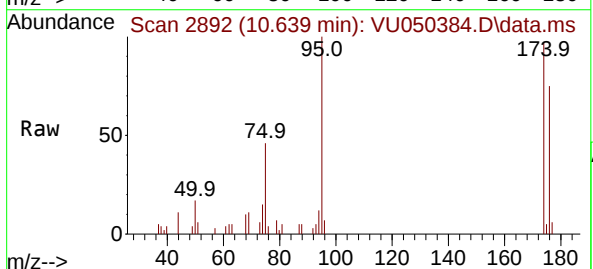
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

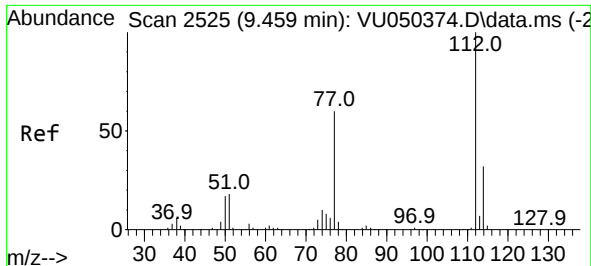
Tgt Ion:129 Resp: 53
Ion Ratio Lower Upper
129 100
127 0.0 61.2 91.8#



#57
4-Bromofluorobenzene
Concen: 0.639 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.006 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion: 95 Resp: 8418
Ion Ratio Lower Upper
95 100
174 90.1 62.4 93.6
176 75.8 56.2 84.2

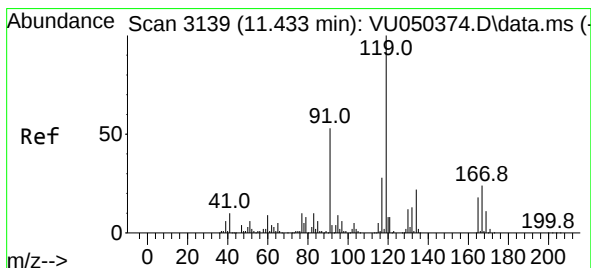
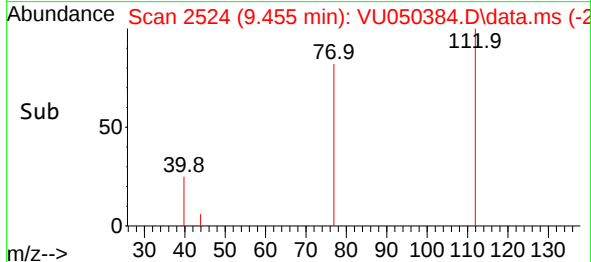
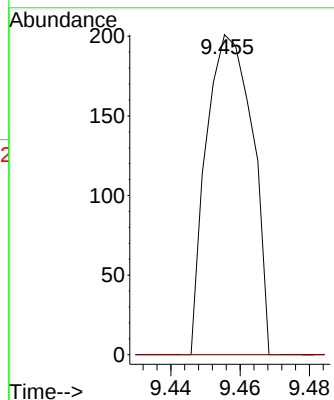
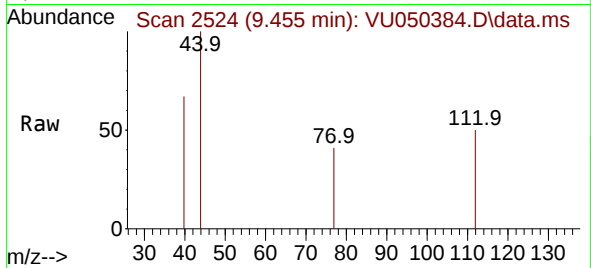




#59
Chlorobenzene
Concen: 0.007 ug/l
RT: 9.455 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

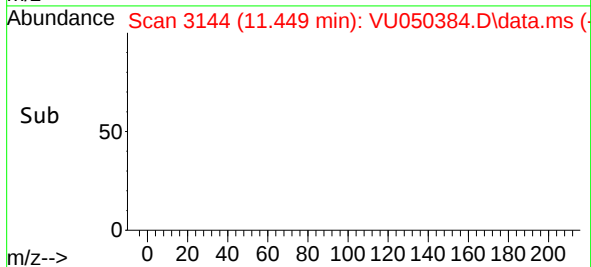
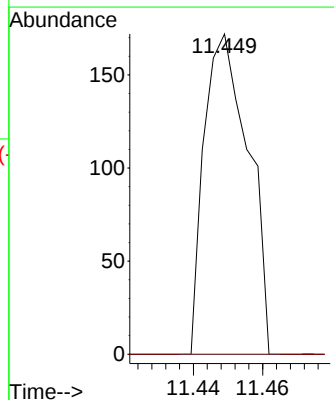
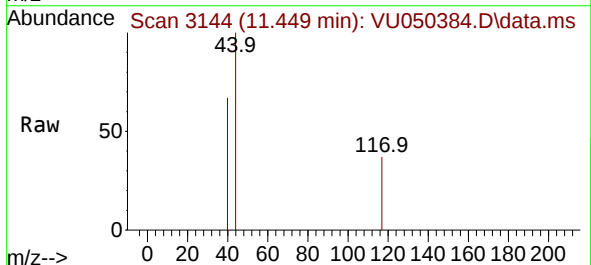
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

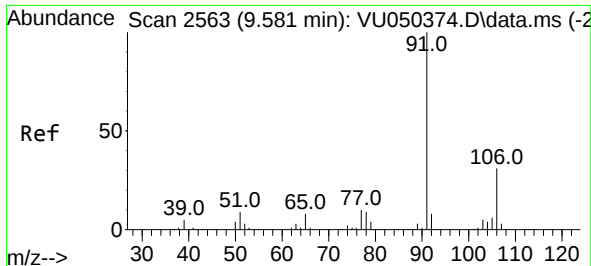
Tgt Ion:112 Resp: 186
Ion Ratio Lower Upper
112 100
114 0.0 24.9 37.3#



#61
Pentachloroethane
Concen: 0.016 ug/l
RT: 11.449 min Scan# 3144
Delta R.T. 0.019 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion:117 Resp: 152
Ion Ratio Lower Upper
117 100
167 0.0 66.2 99.4#

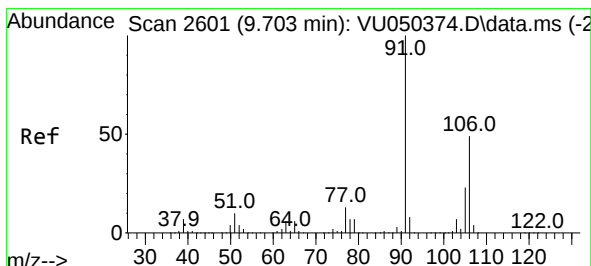
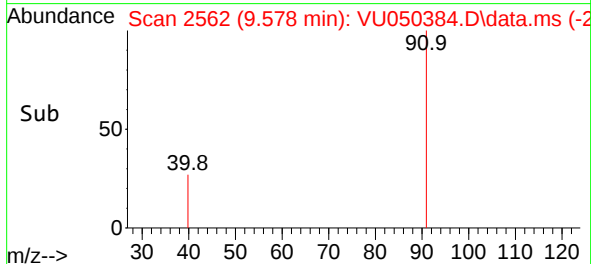
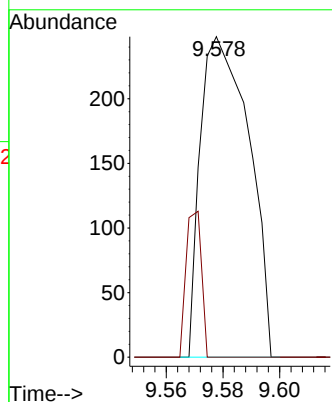
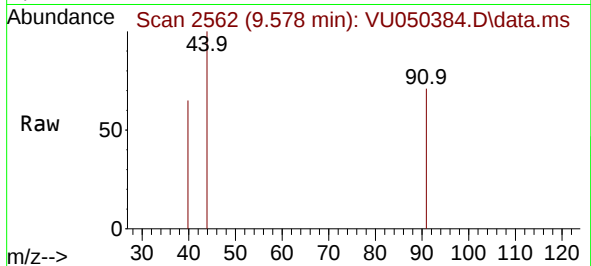




#63
Ethyl Benzene
Concen: 0.575 ug/l
RT: 9.578 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

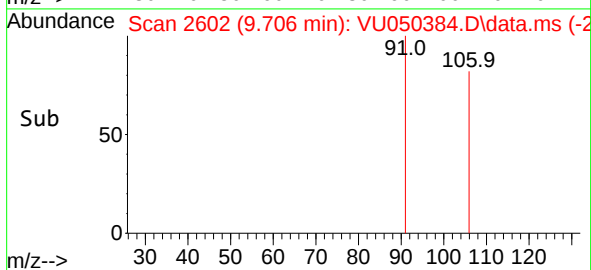
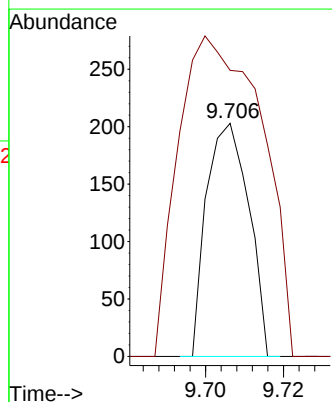
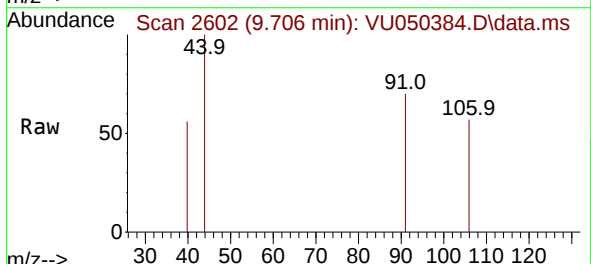
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

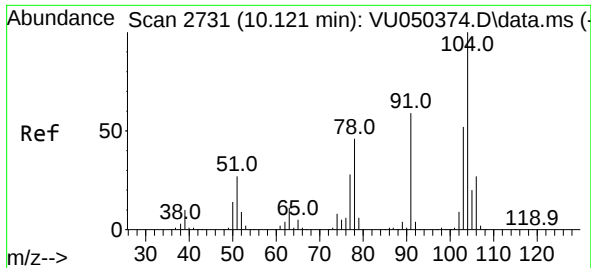
Tgt Ion: 91 Resp: 295
Ion Ratio Lower Upper
91 100
106 0.0 24.4 36.6#



#64
m/p-Xylenes
Concen: 1.091 ug/l
RT: 9.706 min Scan# 2602
Delta R.T. 0.013 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion:106 Resp: 153
Ion Ratio Lower Upper
106 100
91 271.9 167.8 251.6#

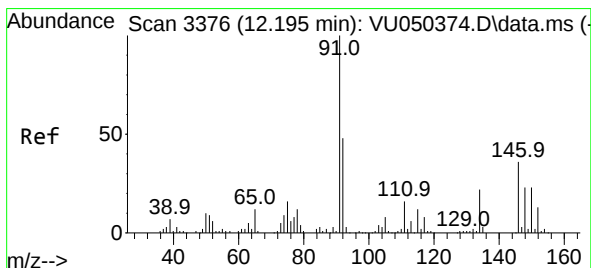
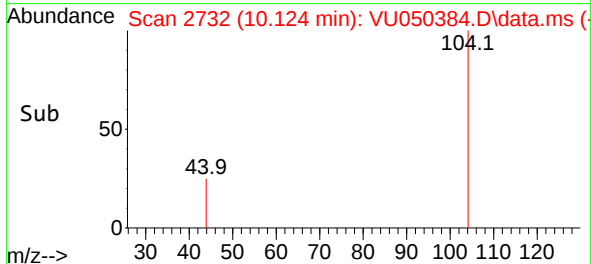
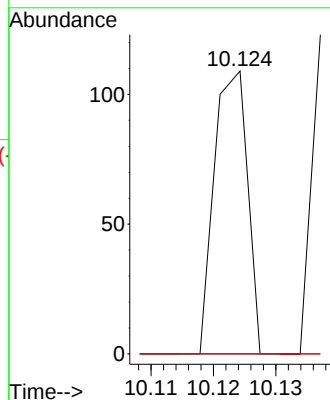
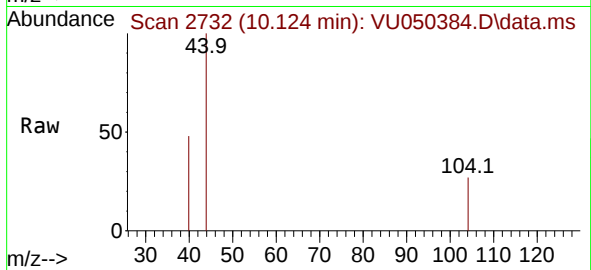




#66
Styrene
Concen: 0.602 ug/l
RT: 10.124 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

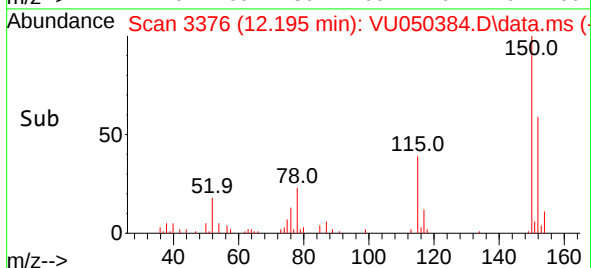
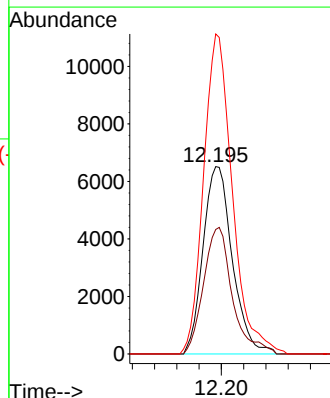
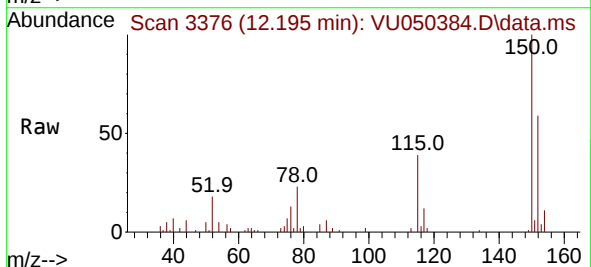
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

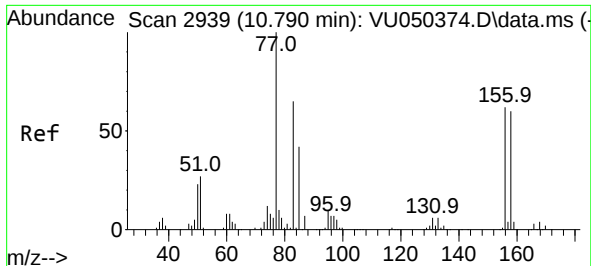
Tgt Ion:104 Resp: 40
Ion Ratio Lower Upper
104 100
78 0.0 42.1 63.1#
103 0.0 44.5 66.7#



#68
1,2-Dichlorobenzene-d4
Concen: 0.765 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion:152 Resp: 11918
Ion Ratio Lower Upper
152 100
115 66.3 0.0 254.6
150 167.5 0.0 623.6

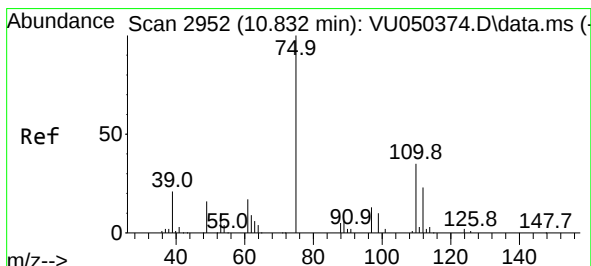
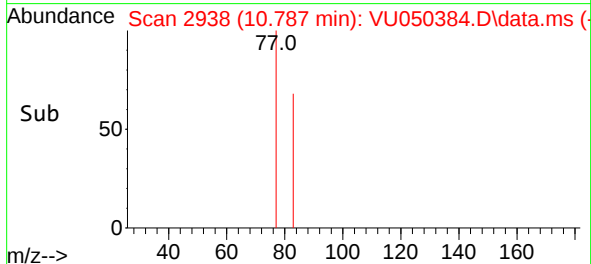
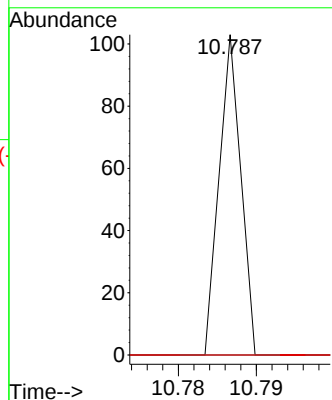
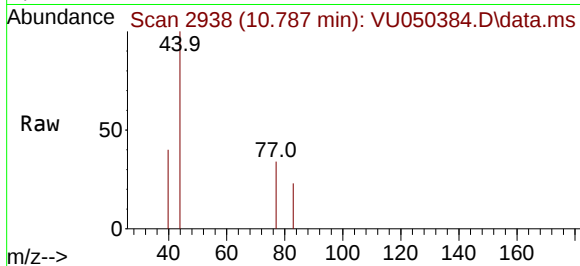




#70
1,1,2,2-Tetrachloroethane
Concen: 0.001 ug/l
RT: 10.787 min Scan# 2939
Delta R.T. 0.003 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

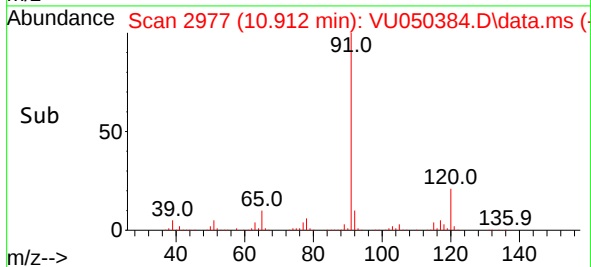
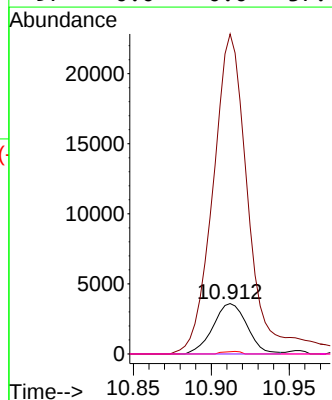
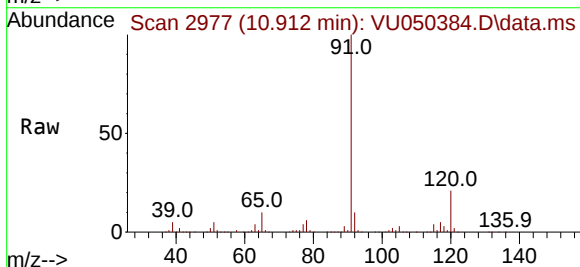
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

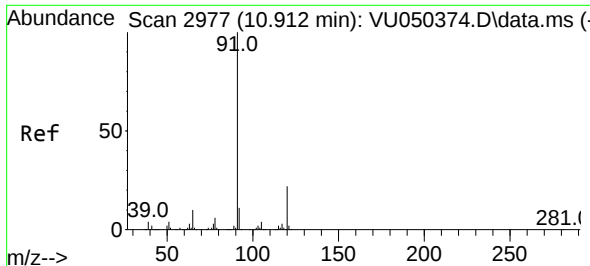
Tgt Ion: 83 Resp: 20
Ion Ratio Lower Upper
83 100
131 555.0 7.7 11.5#
85 5530.0 51.2 76.8#



#71
1,2,3-Trichloropropane
Concen: 0.520 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.087 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion: 75 Resp: 5464
Ion Ratio Lower Upper
75 100
77 665.7 0.0 112.4#
110 2.6 0.0 70.6
97 0.0 0.0 37.4

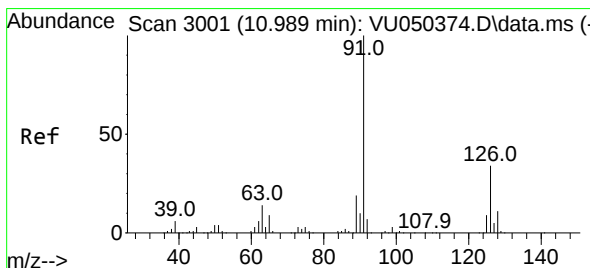
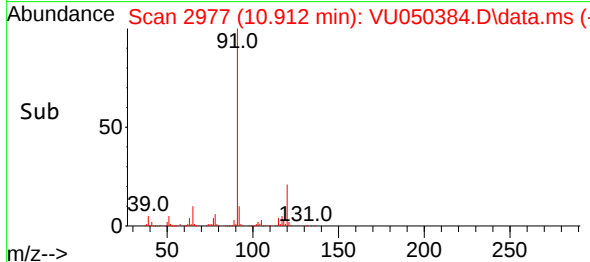
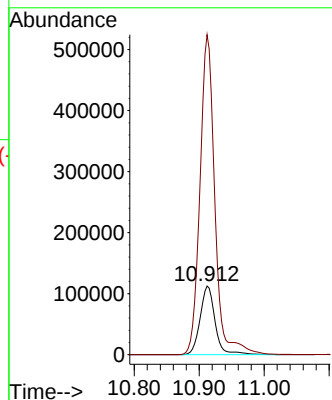
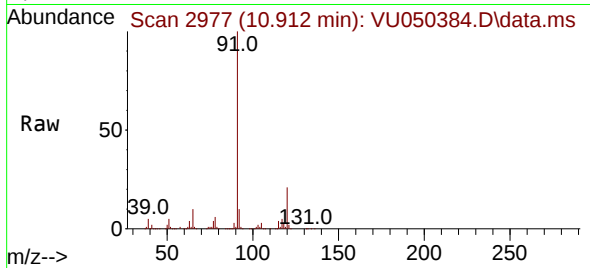




#73
n-propylbenzene
Concen: 11.704 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.006 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

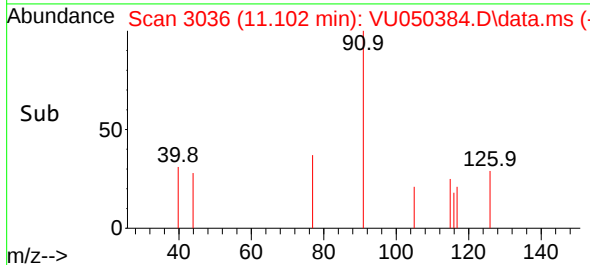
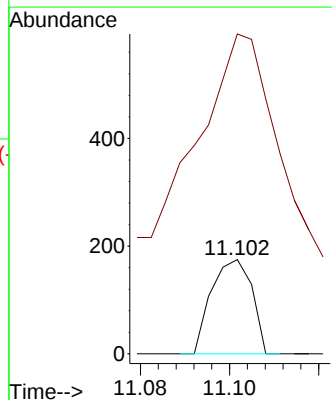
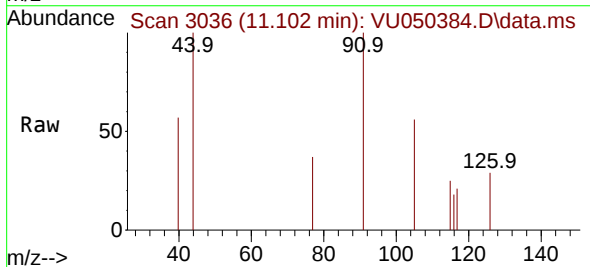
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

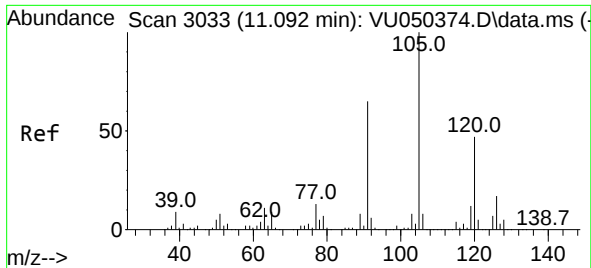
Tgt Ion:120 Resp: 180656
Ion Ratio Lower Upper
120 100
91 463.9 367.8 551.6



#74
2-Chlorotoluene
Concen: 0.397 ug/l
RT: 11.102 min Scan# 3036
Delta R.T. 0.116 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion:126 Resp: 110
Ion Ratio Lower Upper
126 100
91 761807.3 0.0 620.6#

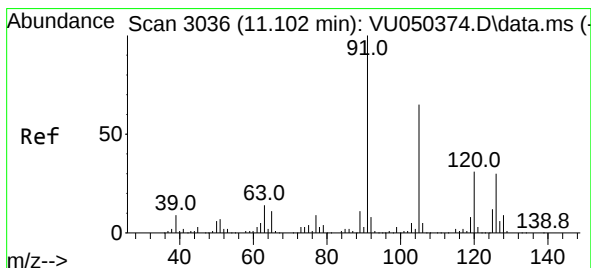
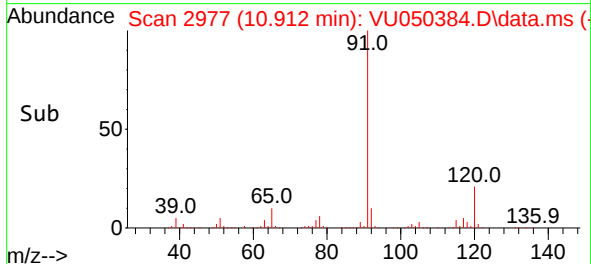
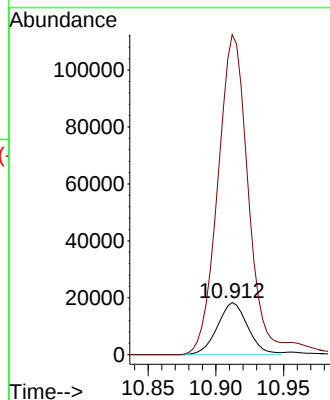
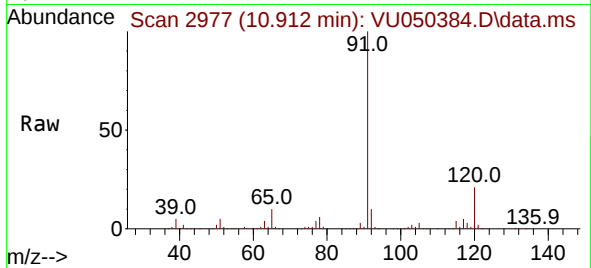




#75
1,3,5-Trimethylbenzene
Concen: 1.077 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.177 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

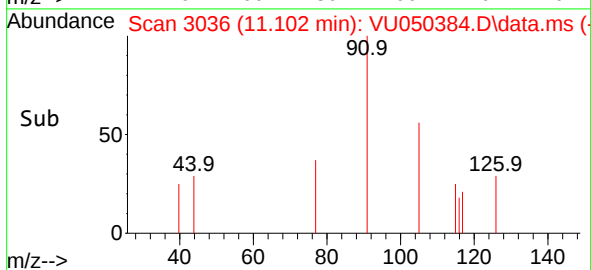
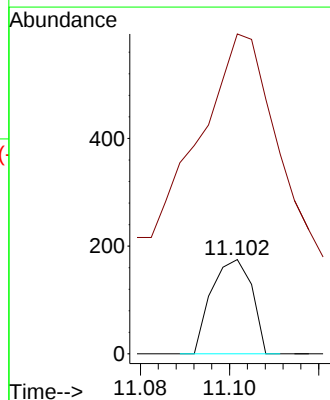
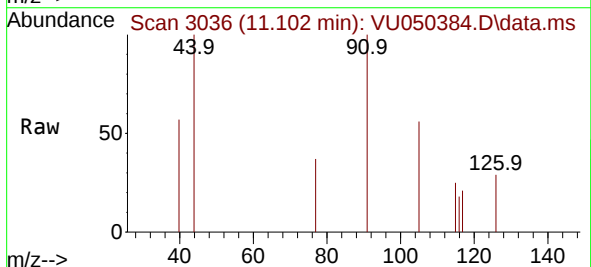
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

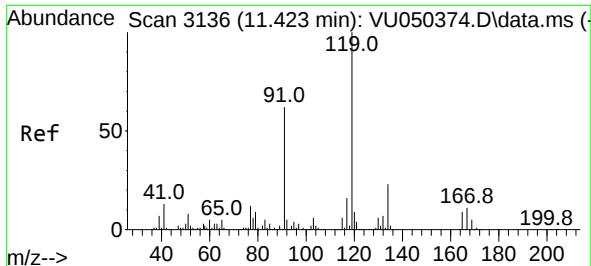
Tgt Ion:105 Resp: 28601
Ion Ratio Lower Upper
105 100
120 631.6 37.6 56.4#



#76
4-Chlorotoluene
Concen: 0.408 ug/l
RT: 11.102 min Scan# 3036
Delta R.T. 0.003 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion:126 Resp: 110
Ion Ratio Lower Upper
126 100
91 761807.3 0.0 738.8#

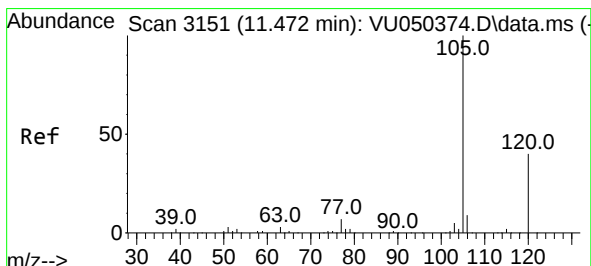
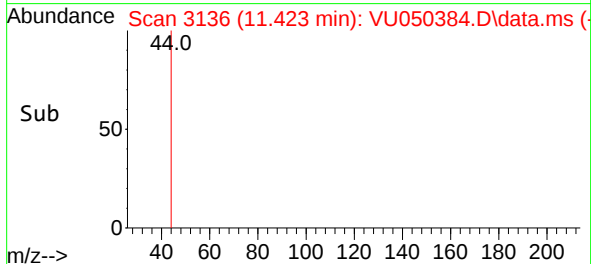
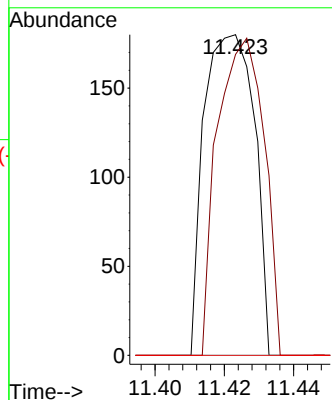
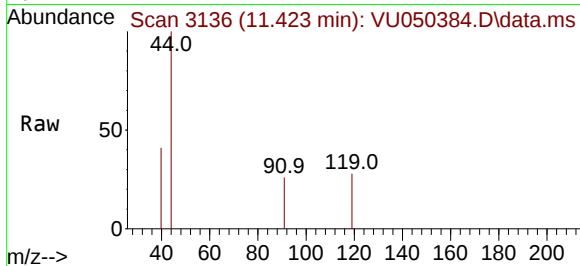




#77
tert-Butylbenzene
Concen: 0.498 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

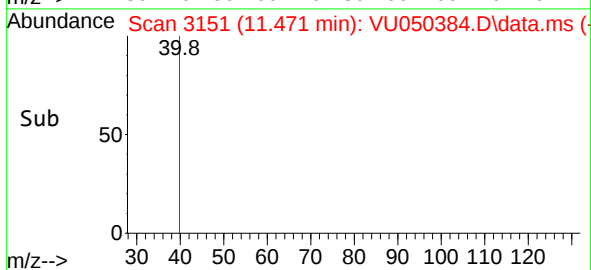
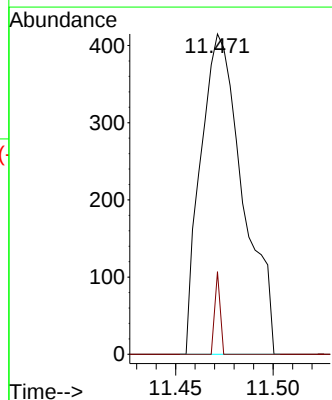
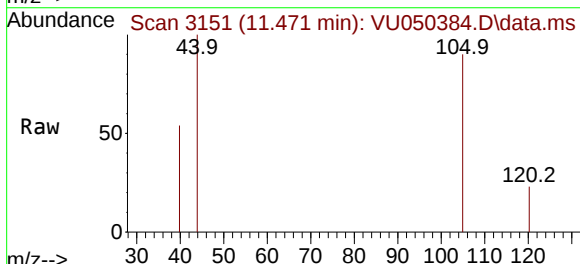
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

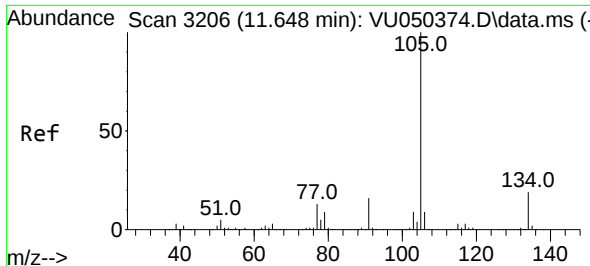
Tgt Ion:119 Resp: 182
Ion Ratio Lower Upper
119 100
91 0.0 30.4 91.3#
134 0.0 17.8 26.6#



#78
1,2,4-Trimethylbenzene
Concen: 0.577 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion:105 Resp: 625
Ion Ratio Lower Upper
105 100
120 0.0 21.6 65.0#

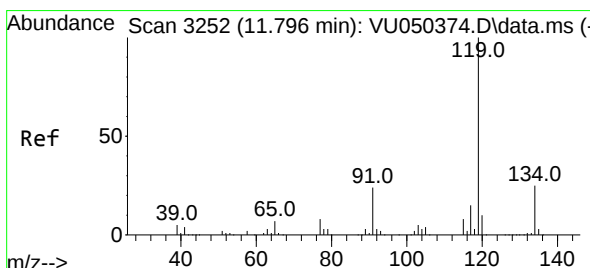
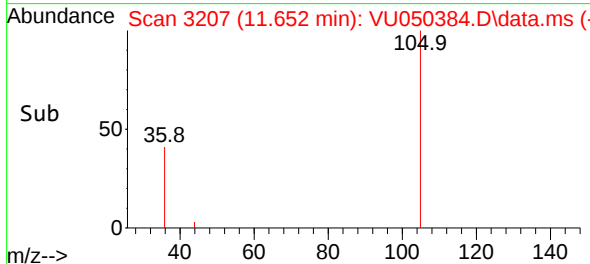
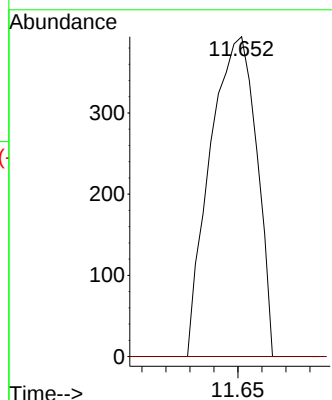
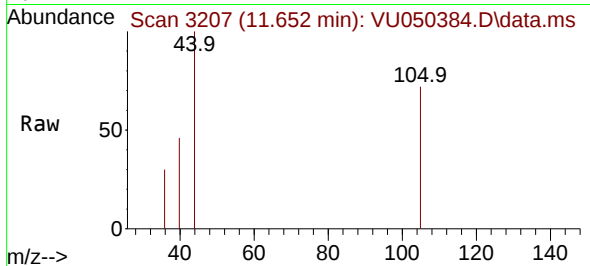




#79
 sec-Butylbenzene
 Concen: 0.557 ug/l
 RT: 11.652 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VU050384.D
 Acq: 19 Aug 2022 22:47

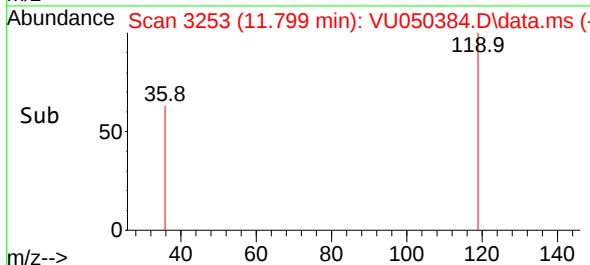
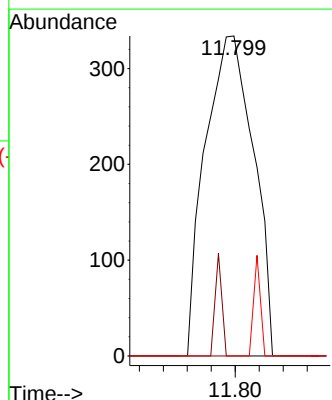
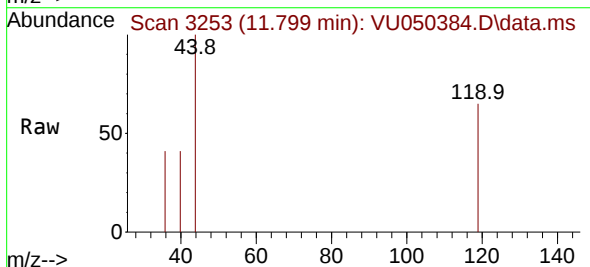
Instrument :
 MSVOA_U
 ClientSampleId :
 WS-OXYGENATES

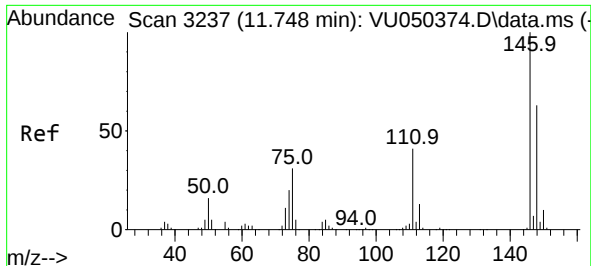
Tgt Ion:105 Resp: 531
 Ion Ratio Lower Upper
 105 100
 134 4.0 15.4 23.0#



#81
 p-Isopropyltoluene
 Concen: 0.613 ug/l
 RT: 11.799 min Scan# 3253
 Delta R.T. 0.006 min
 Lab File: VU050384.D
 Acq: 19 Aug 2022 22:47

Tgt Ion:119 Resp: 466
 Ion Ratio Lower Upper
 119 100
 134 4.5 20.5 30.7#
 91 0.0 19.8 29.6#





#82

1,3-Dichlorobenzene

Concen: 0.016 ug/l

RT: 11.748 min Scan# 3237

Delta R.T. 0.003 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES

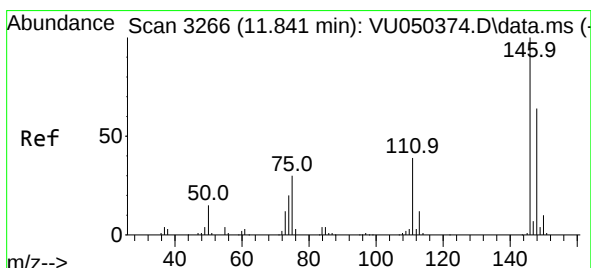
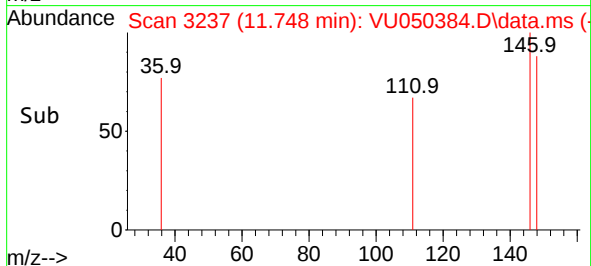
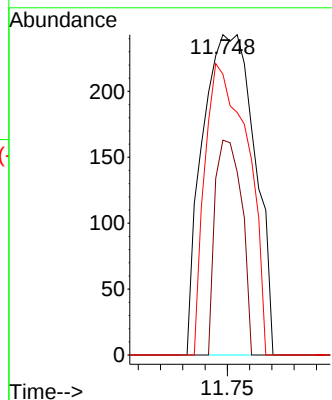
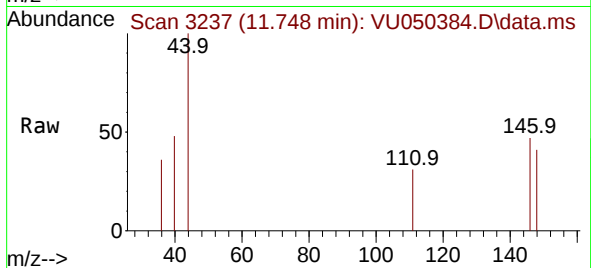
Tgt Ion:146 Resp: 396

Ion Ratio Lower Upper

146 100

111 34.1 33.4 50.2

148 74.2 51.2 76.8



#83

1,4-Dichlorobenzene

Concen: 0.016 ug/l

RT: 11.748 min Scan# 3237

Delta R.T. -0.087 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

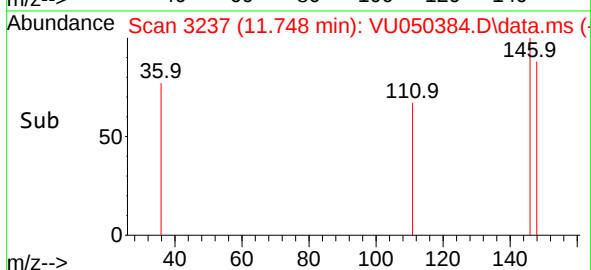
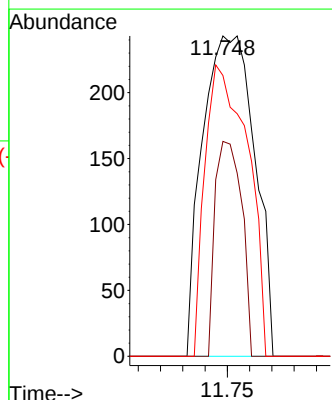
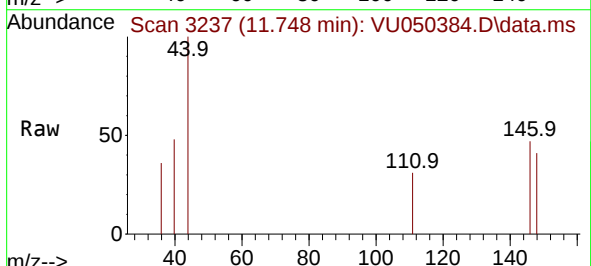
Tgt Ion:146 Resp: 396

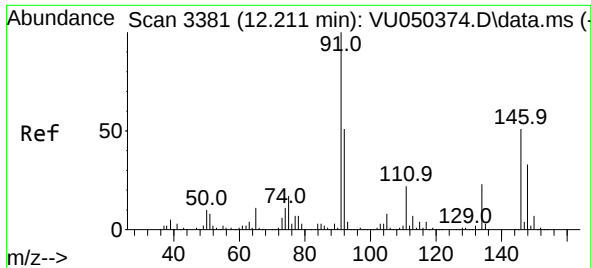
Ion Ratio Lower Upper

146 100

111 34.1 32.6 49.0

148 74.2 51.6 77.4

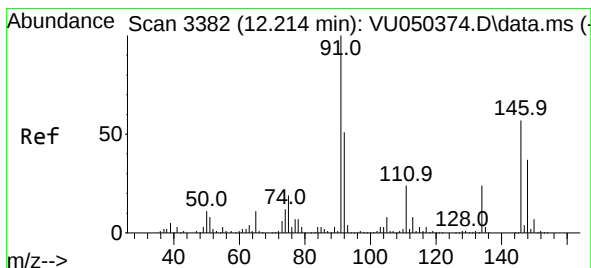
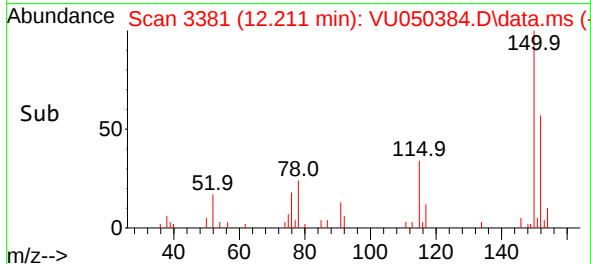
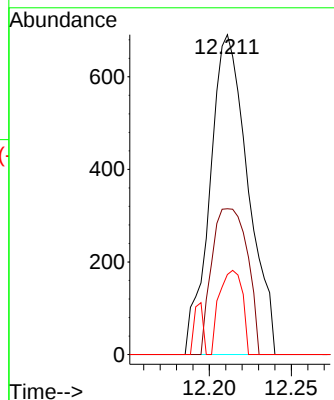
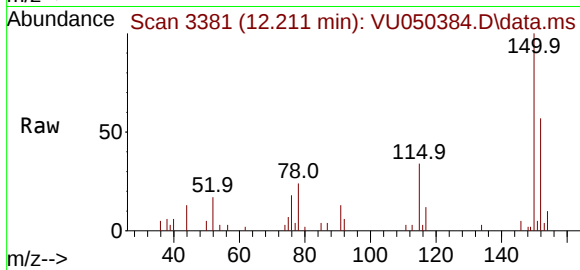




#84
n-Butylbenzene
Concen: 0.609 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

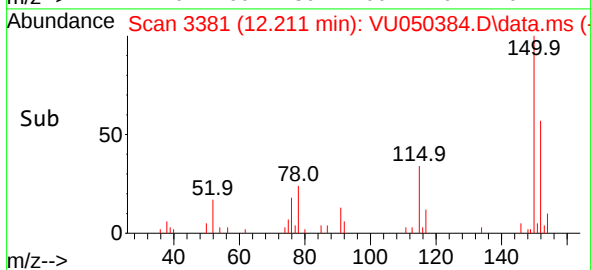
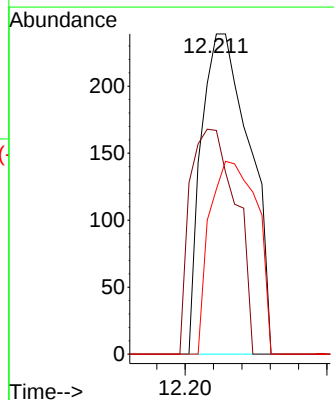
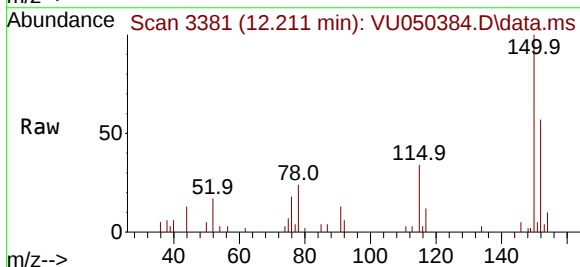
Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

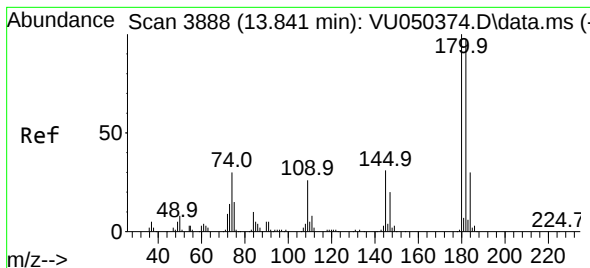
Tgt Ion: 91	Resp:	1116
Ion Ratio	Lower	Upper
91	100	
92	42.3	42.3 63.5#
134	15.9	19.6 29.4#



#85
1,2-Dichlorobenzene
Concen: 0.012 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion: 146	Resp:	284
Ion Ratio	Lower	Upper
146	100	
111	66.2	22.1 66.1#
148	58.8	32.1 96.3





#87

1,2,4-Trichlorobenzene

Concen: 0.056 ug/l

RT: 13.844 min Scan# 3889

Delta R.T. 0.003 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

Instrument :

MSVOA_U

ClientSampleId :

WS-OXYGENATES

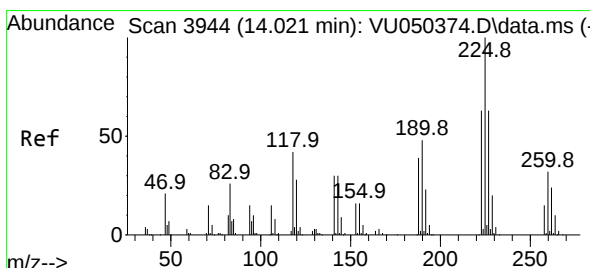
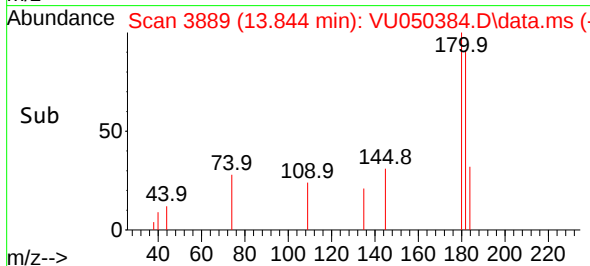
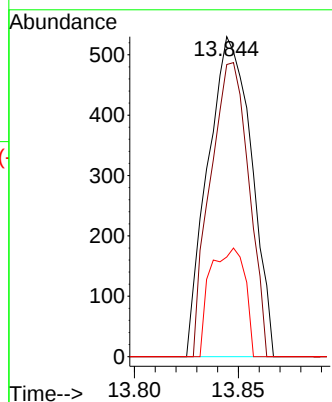
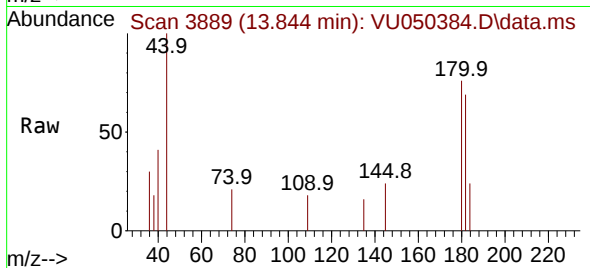
Tgt Ion:180 Resp: 773

Ion Ratio Lower Upper

180 100

182 80.9 77.0 115.6

145 26.9 25.7 38.5



#88

Hexachlorobutadiene

Concen: 0.005 ug/l

RT: 14.031 min Scan# 3947

Delta R.T. 0.010 min

Lab File: VU050384.D

Acq: 19 Aug 2022 22:47

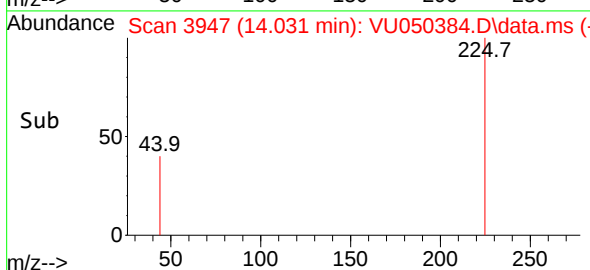
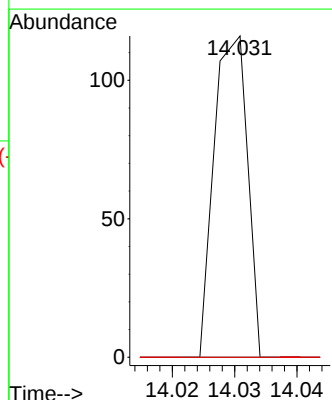
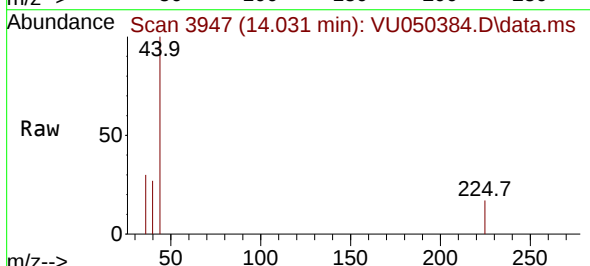
Tgt Ion:225 Resp: 43

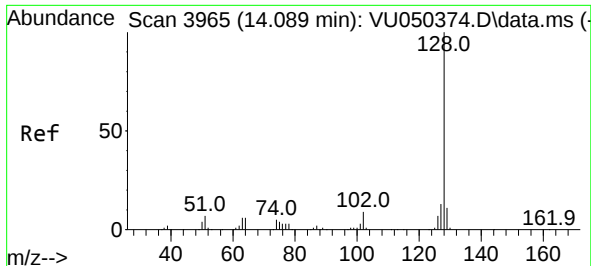
Ion Ratio Lower Upper

225 100

223 0.0 50.6 76.0#

227 0.0 50.7 76.1#

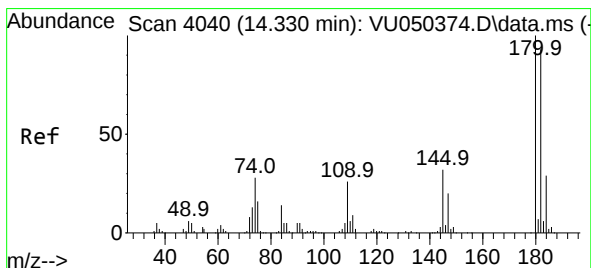
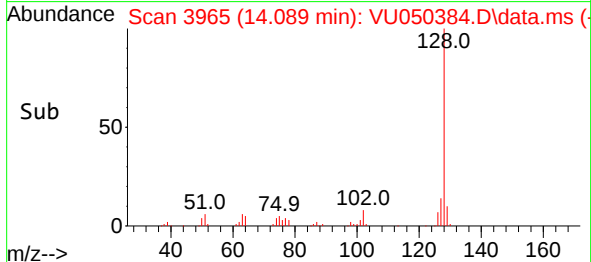
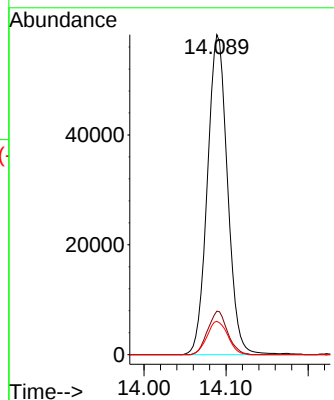
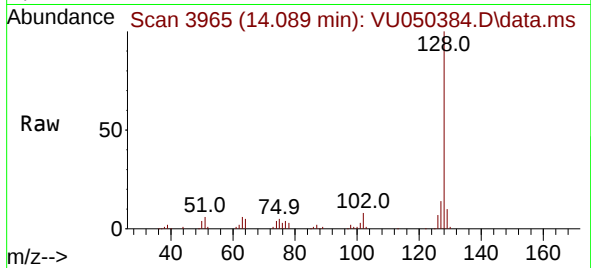




#89
Naphthalene
Concen: 3.358 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Instrument :
MSVOA_U
ClientSampleId :
WS-OXYGENATES

Tgt Ion:	128	Resp:	99333
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	10.7	8.6	12.8



#90
1,2,3-Trichlorobenzene
Concen: 0.536 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU050384.D
Acq: 19 Aug 2022 22:47

Tgt Ion:	180	Resp:	820
Ion	Ratio	Lower	Upper
180	100		
182	102.9	76.6	114.8
145	27.6	27.3	40.9

