

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082522\
 Data File : VU050439.D
 Acq On : 25 Aug 2022 10:47
 Operator : SY/MD
 Sample : VU0825WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0825WBL01

Quant Time: Aug 26 06:33:29 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	6.108	96	37103	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	9583	0.759	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	10626	0.712	ug/l	0.00
Spiked Amount 1.000			Recovery	=	71.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1773	0.095	ug/l	95
4) Vinyl Chloride	1.604	62	78	0.005	ug/l #	18
5) Bromomethane	1.867	94	267	0.041	ug/l #	4
6) Chloroethane	1.935	64	84	0.009	ug/l #	42
7) Trichlorofluoromethane	2.141	101	45	0.002	ug/l #	18
9) 1,1-Dichloroethene	2.581	96	21	0.002	ug/l	46
10) Iodomethane	2.723	142	75	0.008	ug/l #	29
11) Allyl Chloride	2.922	41	402	0.024	ug/l	88
12) Acrylonitrile	3.340	53	46	0.014	ug/l #	72
13) Acetone	2.652	43	787	0.343	ug/l	89
14) Carbon Disulfide	2.793	76	1133	0.033	ug/l	97
15) Methylene Chloride	3.044	84	2396	0.162	ug/l	94
17) 1,1-Dichloroethane	3.867	63	72	0.003	ug/l #	83
18) 2-Butanone	4.732	43	763	0.212	ug/l	75
19) Cyclohexane	5.369	56	256	0.015	ug/l #	52
20) Methylcyclohexane	6.758	83	104	0.008	ug/l #	56
21) 2,2-Dichloropropane	4.678	77	97	0.005	ug/l #	52
22) cis-1,2-Dichloroethene	4.661	96	68	0.005	ug/l #	71
24) tert-Butyl Alcohol	3.205	59	977	0.822	ug/l #	73
27) Chloroform	5.083	83	478	0.021	ug/l	89
28) 1,1,1-Trichloroethane	5.308	97	42	0.002	ug/l #	1
29) 1,1-Dichloropropene	5.523	75	126	0.008	ug/l #	42
31) Isopropyl Ether	3.993	45	67	0.002	ug/l	86
33) Tert-Amyl methyl ether	6.105	73	433	0.023	ug/l #	19
34) Propionitrile	4.899	54	19	0.018	ug/l #	1
35) Benzene	5.710	78	67	0.001	ug/l	91
36) 1,2-Dichloroethane	5.780	62	164	0.012	ug/l #	75
37) Trichloroethene	6.546	130	175	0.016	ug/l #	1
38) 1,2-Dichloropropane	6.806	63	20	0.002	ug/l #	43
39) Methacrylonitrile	4.980	41	247	0.057	ug/l #	30
40) Methyl acrylate	4.848	55	63	0.009	ug/l #	12
41) Tetrahydrofuran	5.083	42	322	0.147	ug/l #	42
42) 1-Chlorobutane	5.433	56	169	0.008	ug/l	86
45) 4-Methyl-2-Pentanone	7.825	43	786	0.118	ug/l #	52
46) t-1,4-Dichloro-2-butene	10.700	75	147	0.560	ug/l #	20
49) Toluene	7.980	92	181	0.007	ug/l #	46
54) 2-Hexanone	8.719	43	1106	0.239	ug/l #	68
59) Chlorobenzene	9.452	112	357	0.013	ug/l #	44
63) Ethyl Benzene	9.574	91	513	0.579	ug/l #	44
64) m/p-Xylenes	9.703	106	264	1.096	ug/l #	67
65) o-Xylene	10.111	106	39	0.513	ug/l #	1
66) Styrene	10.118	104	317	0.609	ug/l #	42
69) Isopropylbenzene	10.488	105	485	0.578	ug/l #	50

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

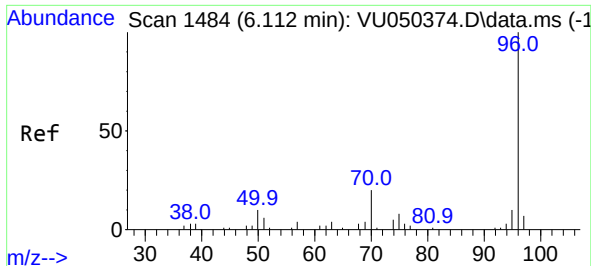
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0825WBL01

Quant Time: Aug 26 06:33:29 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)

70) 1,1,2,2-Tetrachloroethane	10.787	83	40	0.003	ug/l #	25
71) 1,2,3-Trichloropropane	10.700	75	147	0.015	ug/l #	46
73) n-propylbenzene	10.909	120	127	0.600	ug/l #	12
74) 2-Chlorotoluene	10.996	126	42	0.393	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.092	105	496	0.534	ug/l #	77
76) 4-Chlorotoluene	10.996	126	42	0.404	ug/l #	1
77) tert-Butylbenzene	11.426	119	356	0.502	ug/l #	83
78) 1,2,4-Trimethylbenzene	11.471	105	760	0.580	ug/l	95
79) sec-Butylbenzene	11.645	105	1157	0.567	ug/l #	90
80) Nitrobenzene	13.227	77	444	0.611	ug/l #	60
81) p-Isopropyltoluene	11.796	119	1001	0.624	ug/l #	77
82) 1,3-Dichlorobenzene	11.754	146	930	0.039	ug/l	90
83) 1,4-Dichlorobenzene	11.754	146	930	0.040	ug/l	90
84) n-Butylbenzene	12.211	91	3679	0.663	ug/l	90
85) 1,2-Dichlorobenzene	12.217	146	688	0.030	ug/l #	82
87) 1,2,4-Trichlorobenzene	13.844	180	2622	0.198	ug/l	97
88) Hexachlorobutadiene	14.021	225	521	0.060	ug/l #	89
89) Naphthalene	14.092	128	10467	1.224	ug/l #	94
90) 1,2,3-Trichlorobenzene	14.330	180	2959	0.657	ug/l	93

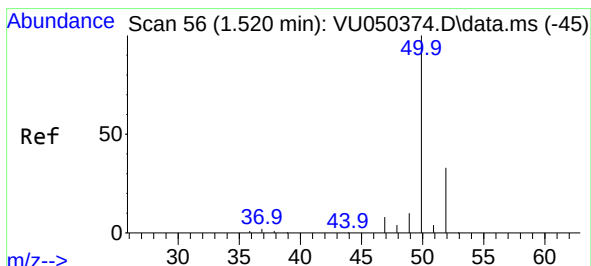
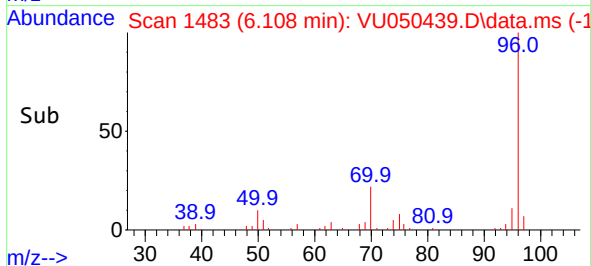
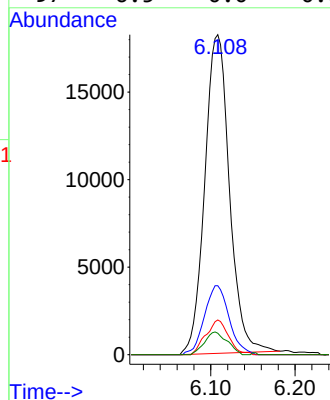
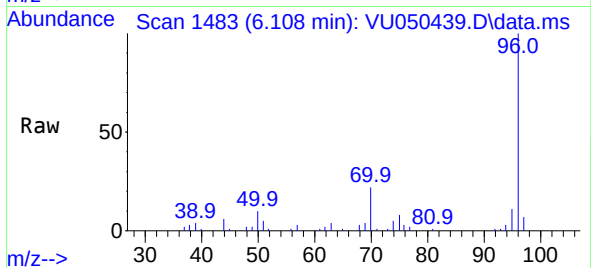
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.108 min Scan# 14
Delta R.T. -0.007 min
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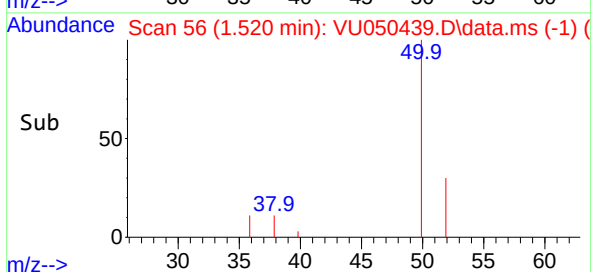
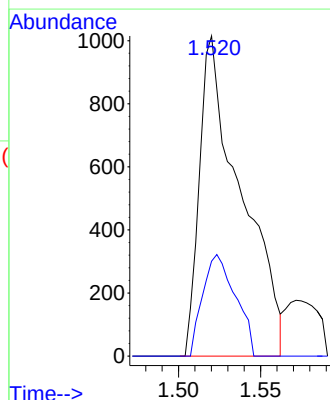
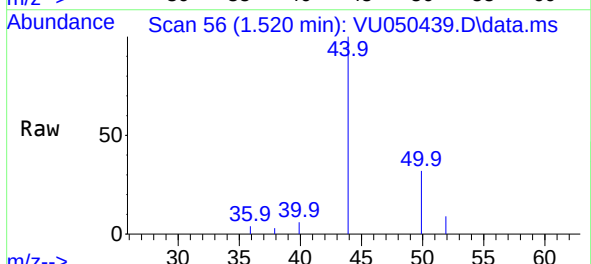
Instrument :
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VU0825WBL01

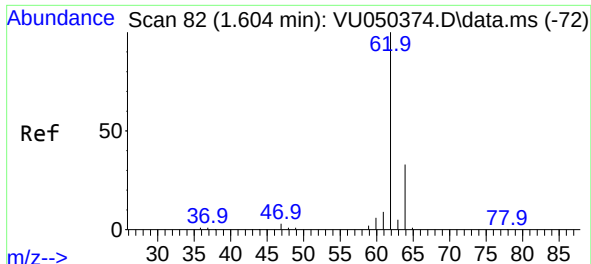
Tgt Ion: 96	Resp: 37103
Ion Ratio	Lower Upper
96 100	
70 21.6	16.7 25.1
95 10.0	7.4 11.0
97 6.5	0.0 0.0#



#3
Chloromethane
Concen: 0.095 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 50	Resp: 1773		
Ion Ratio	Lower	Upper	
50 100			
52 29.7	26.1	39.1	

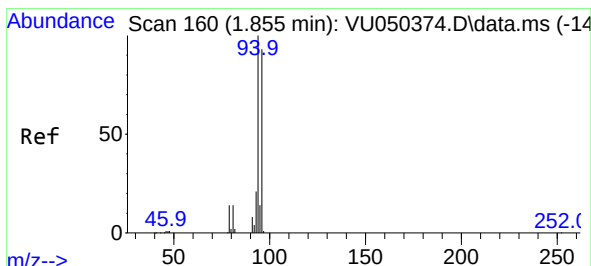
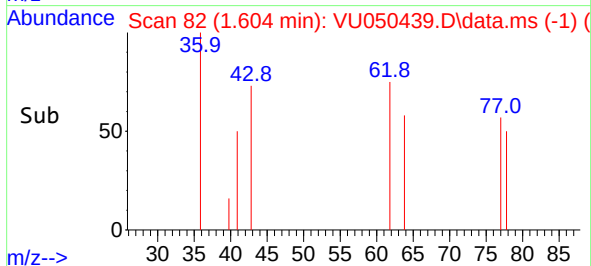
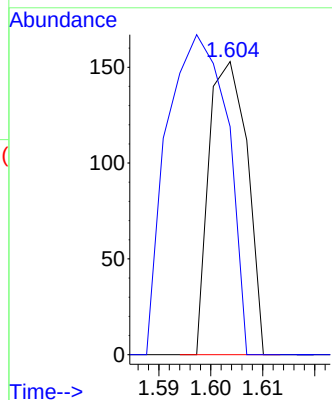
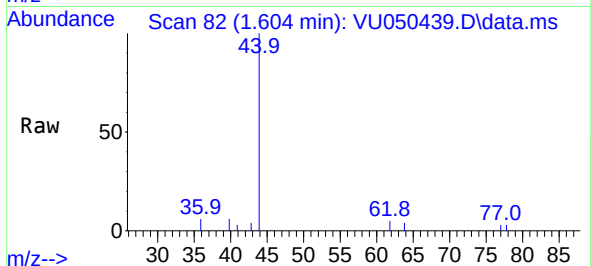




#4
 Vinyl Chloride
 Concen: 0.005 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050439.D
 Acq: 25 Aug 2022 10:47

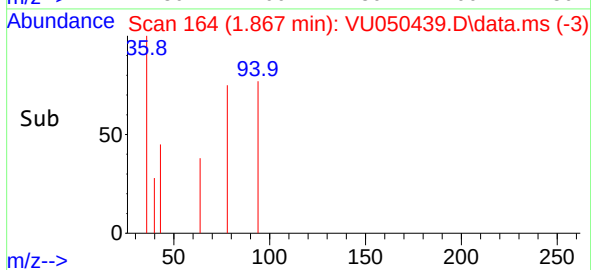
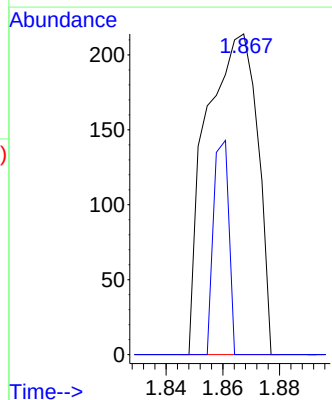
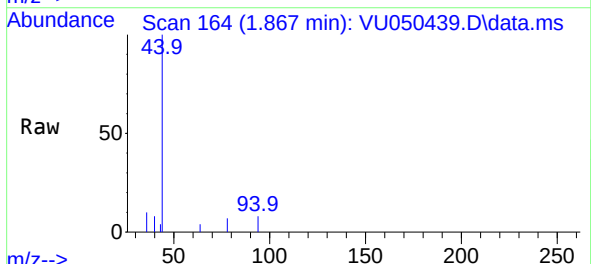
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0825WBL01

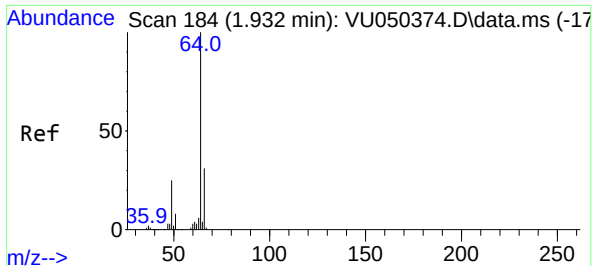
Tgt Ion: 62 Resp: 78
 Ion Ratio Lower Upper
 62 100
 64 77.8 25.5 38.3#



#5
 Bromomethane
 Concen: 0.041 ug/l
 RT: 1.867 min Scan# 164
 Delta R.T. 0.016 min
 Lab File: VU050439.D
 Acq: 25 Aug 2022 10:47

Tgt Ion: 94 Resp: 267
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.0 109.6#

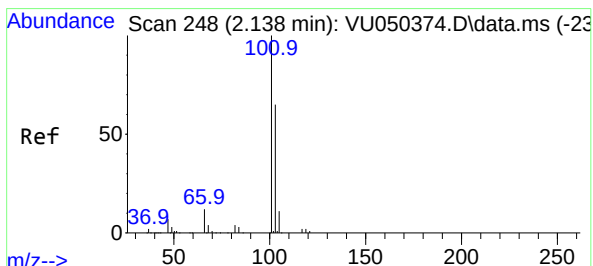
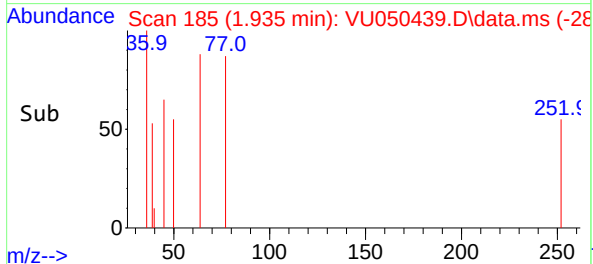
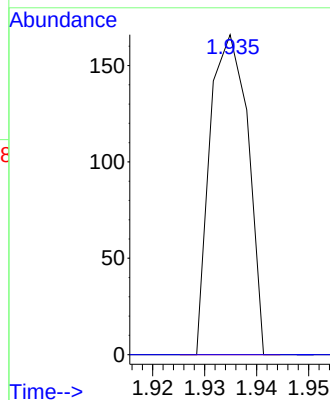
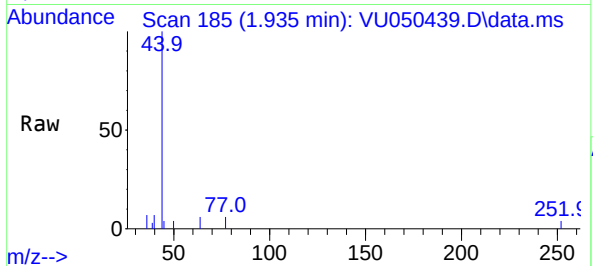




#6
Chloroethane
Concen: 0.009 ug/l
RT: 1.935 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

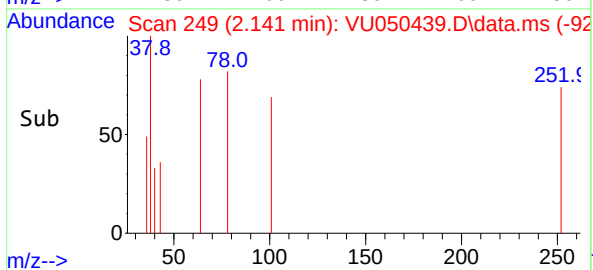
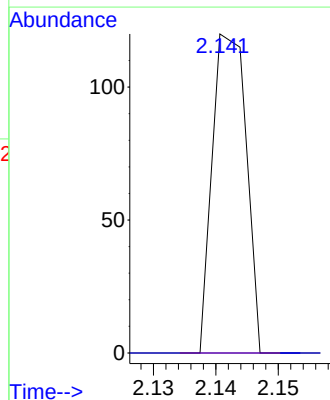
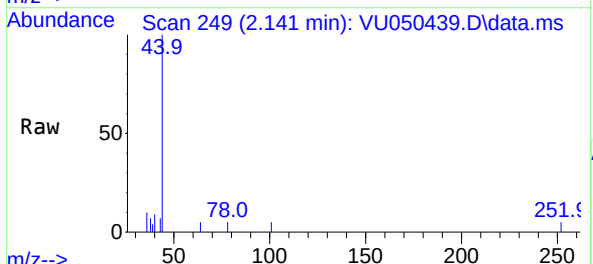
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ClientSampleId :
VU0825WBL01

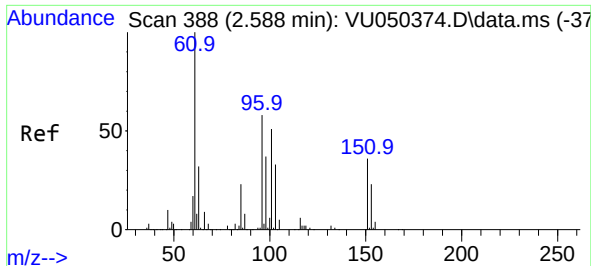
Tgt Ion: 64 Resp: 84
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#



#7
Trichlorofluoromethane
Concen: 0.002 ug/l
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 101 Resp: 45
Ion Ratio Lower Upper
101 100
103 0.0 51.8 77.6#

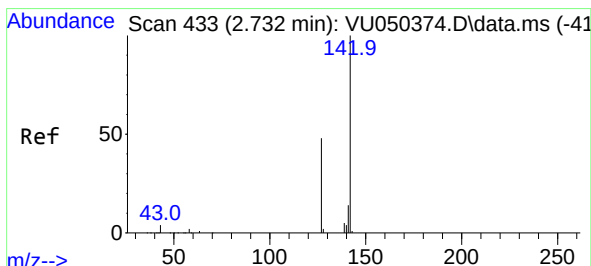
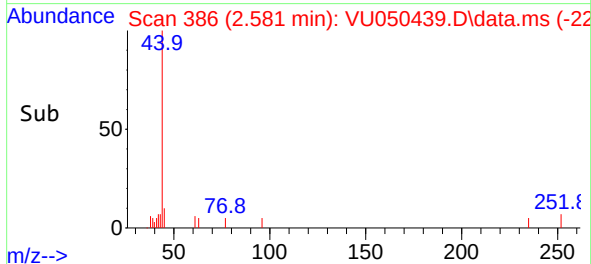
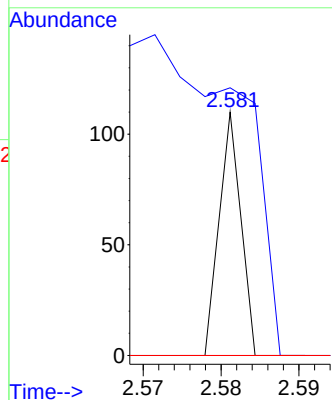
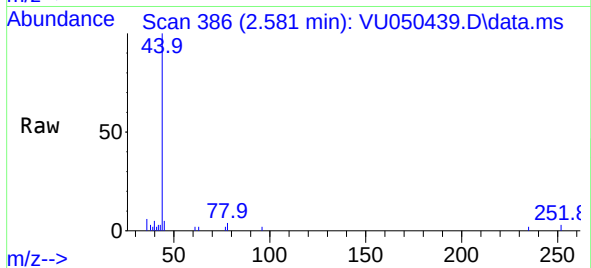




#9
1,1-Dichloroethene
Concen: 0.002 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

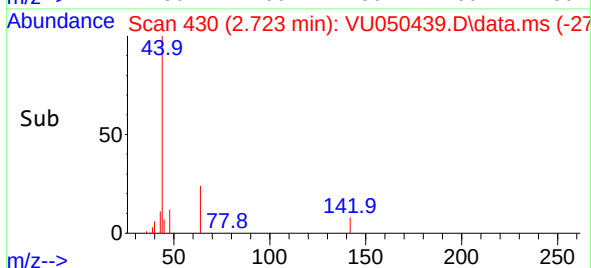
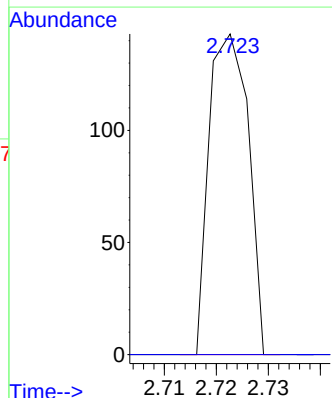
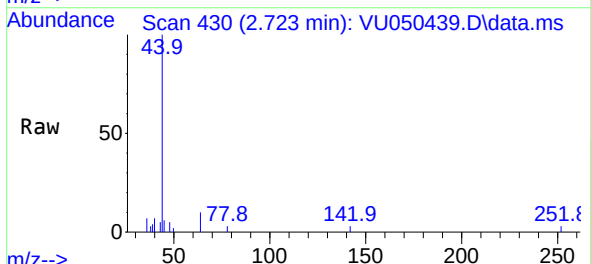
Instrument :
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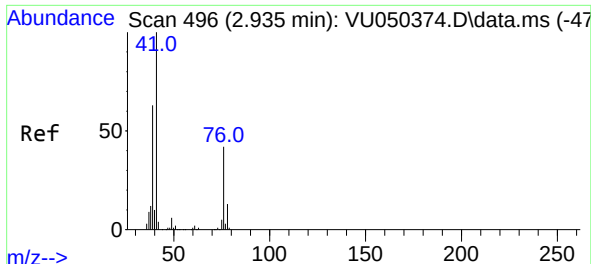
Tgt Ion: 96 Resp: 21
Ion Ratio Lower Upper
96 100
61 110.0 0.0 510.6
98 0.0 0.0 124.6



#10
Iodomethane
Concen: 0.008 ug/l
RT: 2.723 min Scan# 430
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 142 Resp: 75
Ion Ratio Lower Upper
142 100
127 0.0 38.2 57.2#





#11

Allyl Chloride

Concen: 0.024 ug/l

RT: 2.922 min Scan# 496

Delta R.T. 0.000 min

Lab File: VU050439.D

Acq: 25 Aug 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

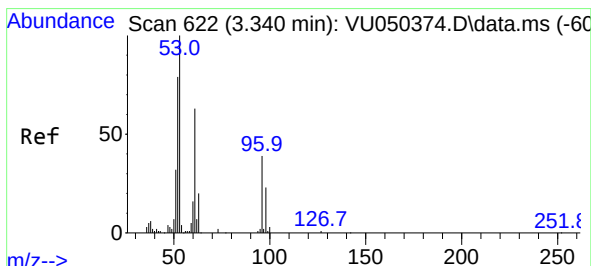
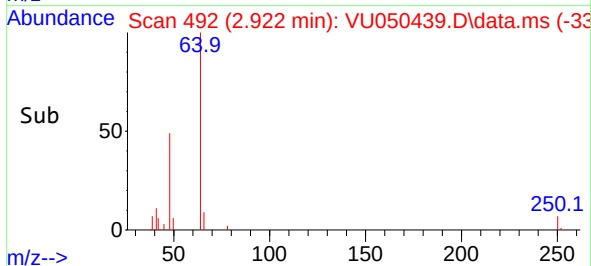
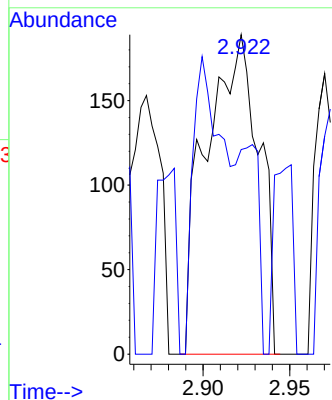
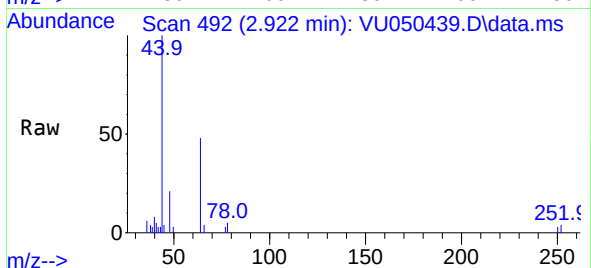
VU0825WBL01

Tgt Ion: 41 Resp: 402

Ion Ratio Lower Upper

41 100

39 57.2 53.2 79.8



#12

Acrylonitrile

Concen: 0.014 ug/l

RT: 3.340 min Scan# 622

Delta R.T. 0.023 min

Lab File: VU050439.D

Acq: 25 Aug 2022 10:47

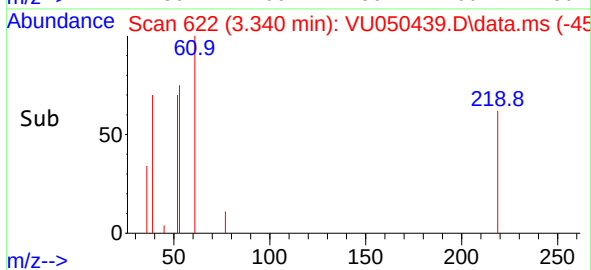
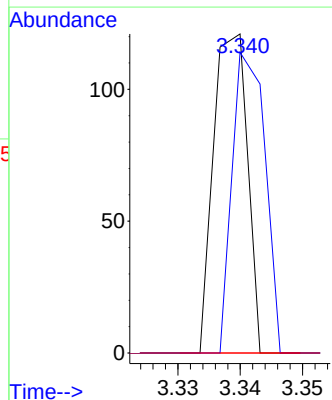
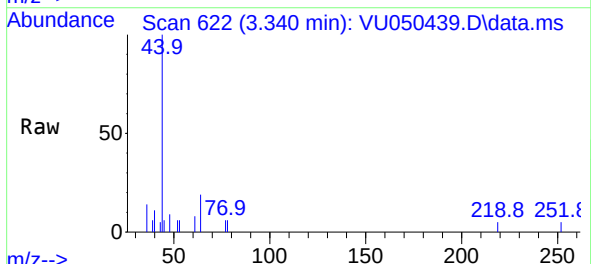
Tgt Ion: 53 Resp: 46

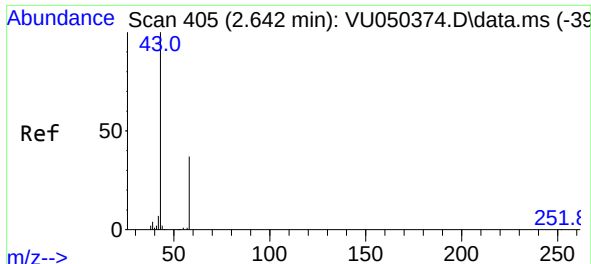
Ion Ratio Lower Upper

53 100

52 91.3 64.6 97.0

51 0.0 30.7 46.1#

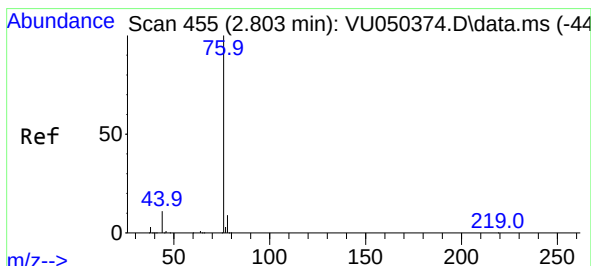
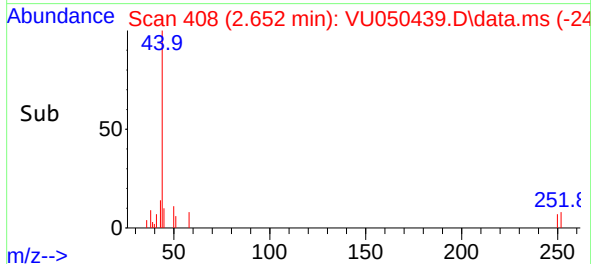
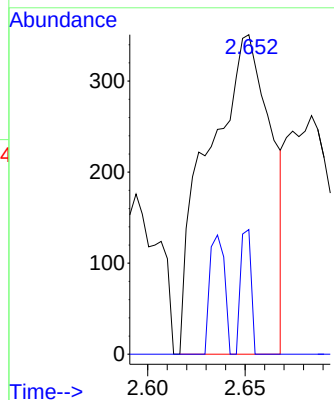
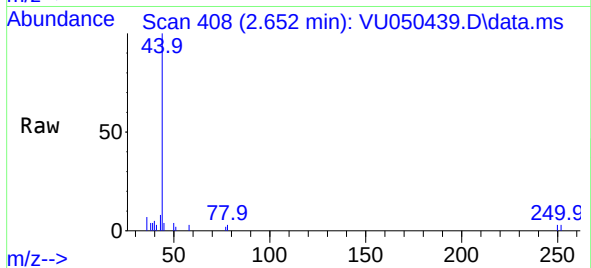




#13
Acetone
Concen: 0.343 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.026 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

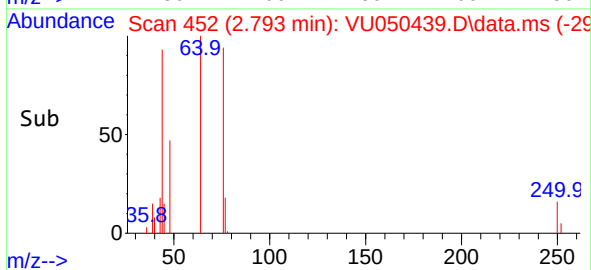
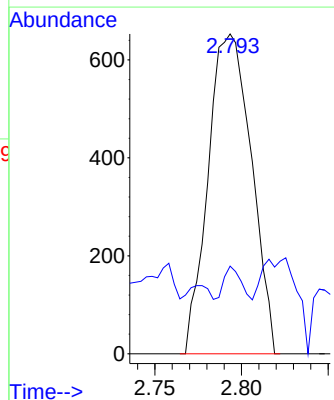
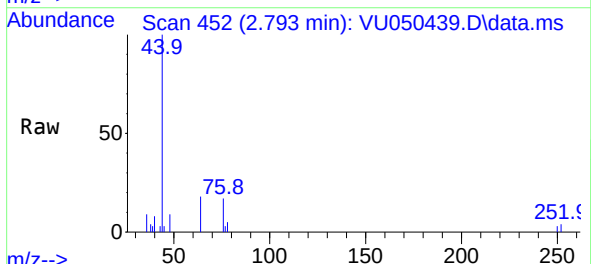
Instrument :
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ClientSampleId :
VU0825WBL01

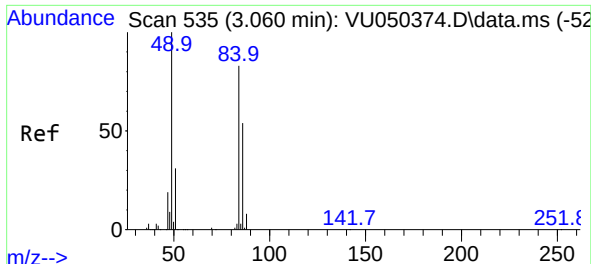
Tgt Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
58 39.0 26.2 39.2



#14
Carbon Disulfide
Concen: 0.033 ug/l
RT: 2.793 min Scan# 452
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 76 Resp: 1133
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0



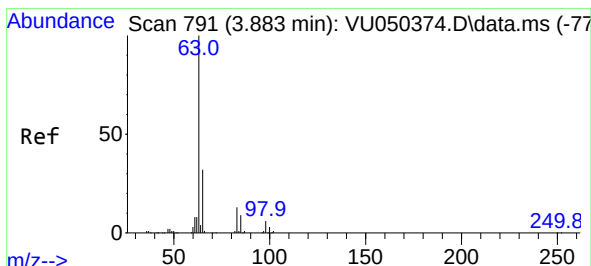
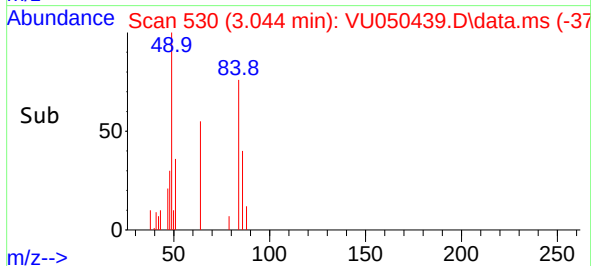
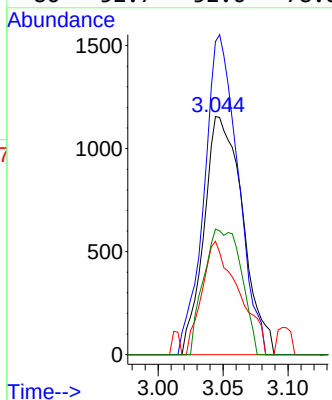
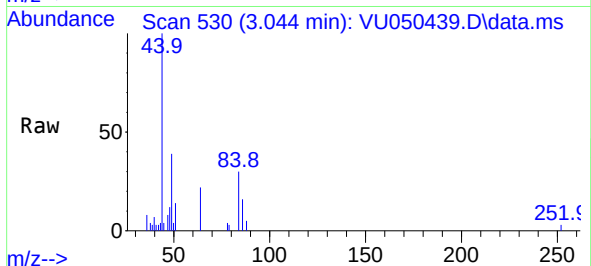


#15
Methylene Chloride
Concen: 0.162 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

Tgt Ion: 84 Resp: 2396

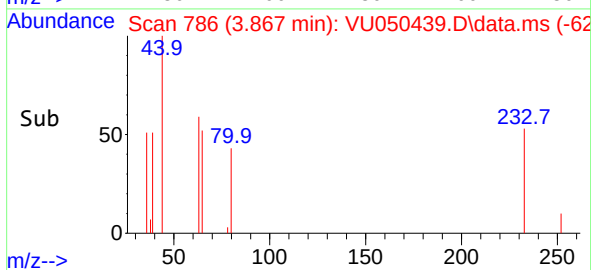
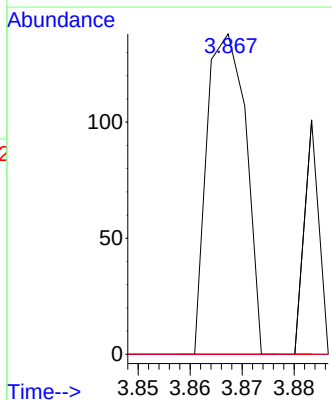
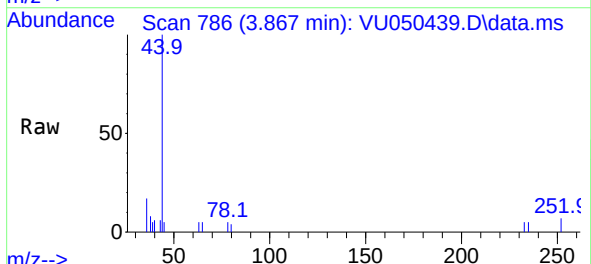
Ion	Ratio	Lower	Upper
84	100		
49	131.5	104.6	157.0
51	38.1	0.0	81.4
86	52.7	52.6	78.8

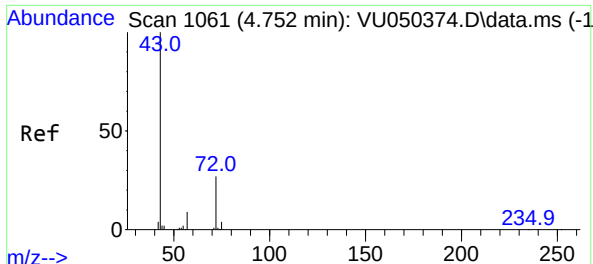


#17
1,1-Dichloroethane
Concen: 0.003 ug/l
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 63 Resp: 72

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.0	6.0#

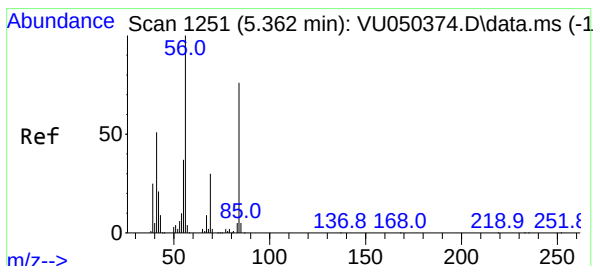
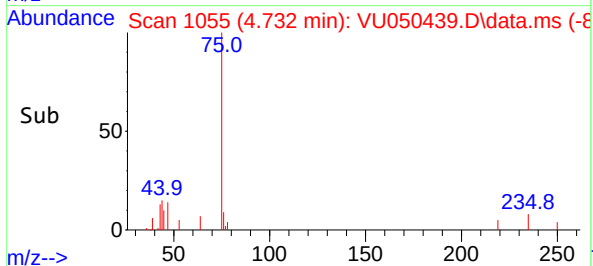
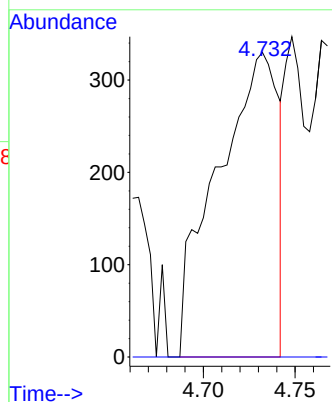
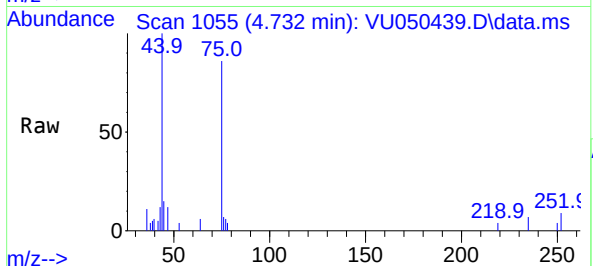




#18
2-Butanone
Concen: 0.212 ug/l
RT: 4.732 min Scan# 1061
Delta R.T. 0.013 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

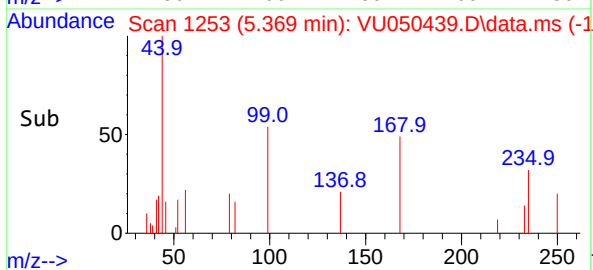
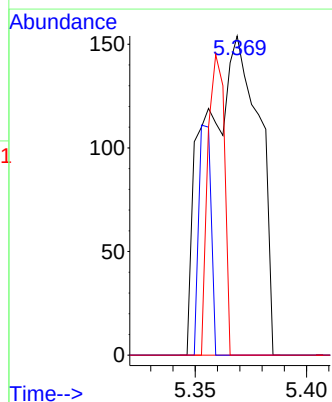
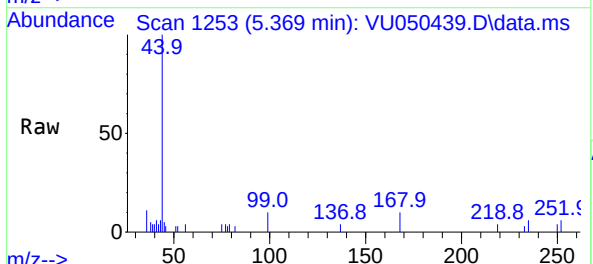
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

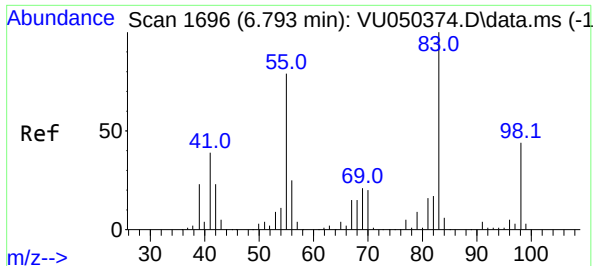
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
57 0.0 0.0 18.0



#19
Cyclohexane
Concen: 0.015 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.016 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
69 16.8 24.2 36.4#
84 28.9 63.4 95.2#

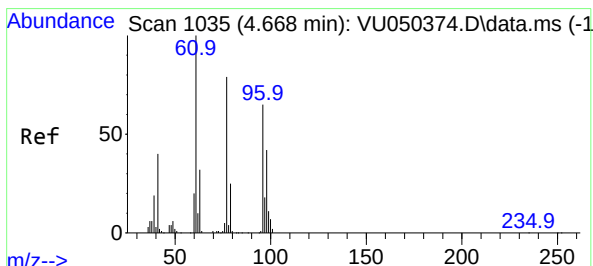
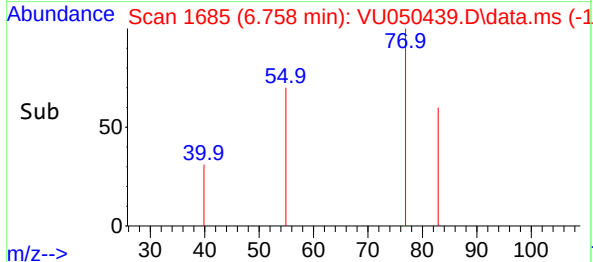
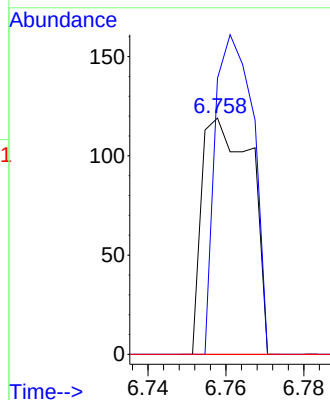
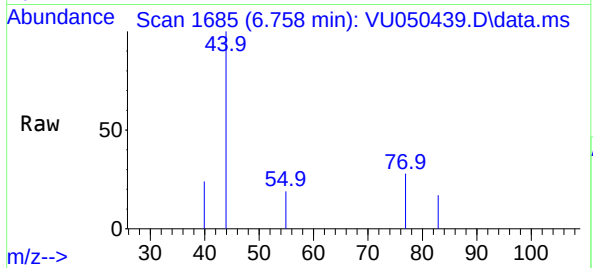




#20
Methylcyclohexane
Concen: 0.008 ug/l
RT: 6.758 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

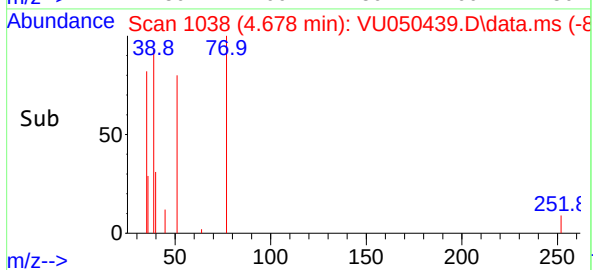
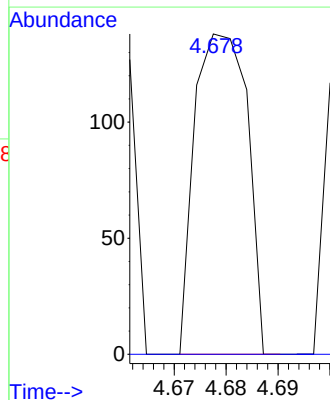
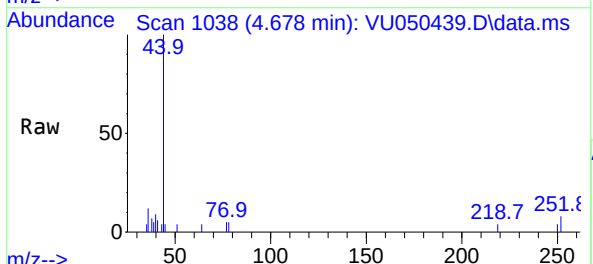
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

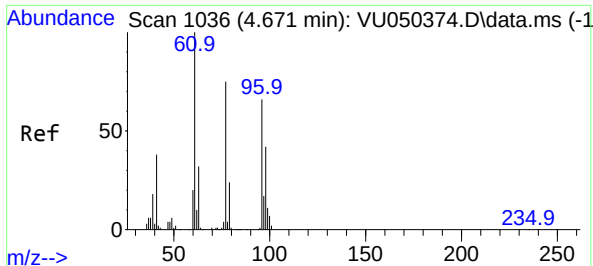
Tgt Ion:	83	Resp:	104
Ion	Ratio	Lower	Upper
83	100		
55	104.8	63.0	94.4#
98	0.0	35.7	53.5#



#21
2,2-Dichloropropane
Concen: 0.005 ug/l
RT: 4.678 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

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

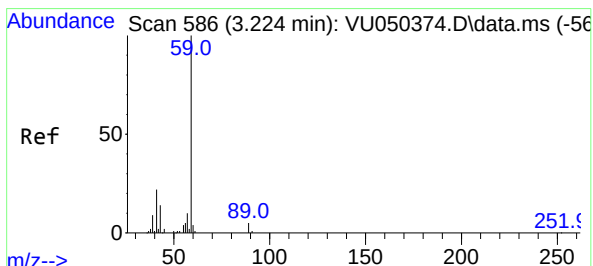
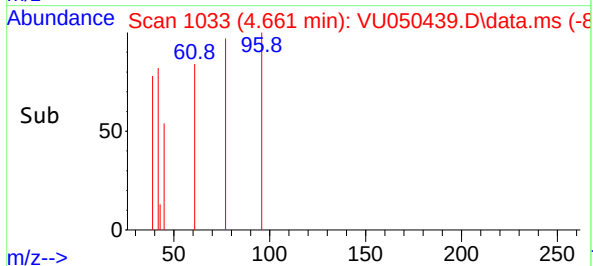
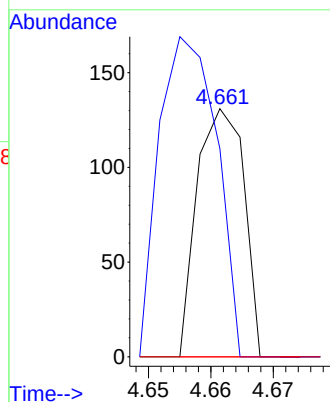
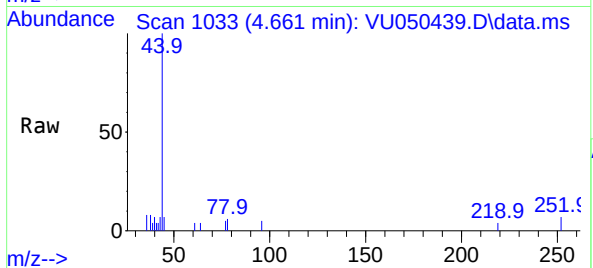




#22
cis-1,2-Dichloroethene
Concen: 0.005 ug/l
RT: 4.661 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

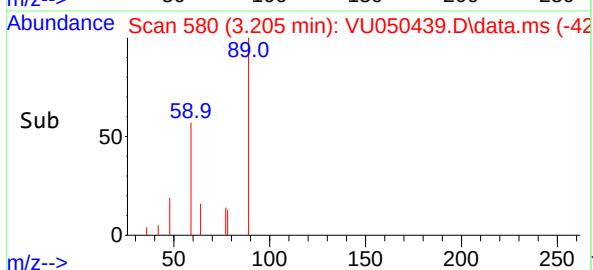
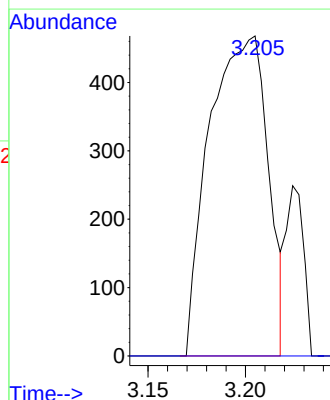
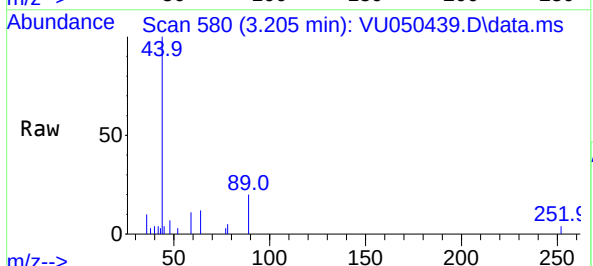
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

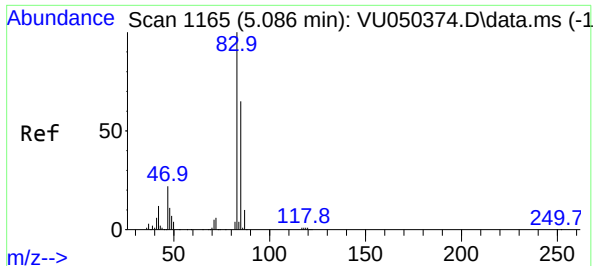
Tgt Ion: 96 Resp: 68
Ion Ratio Lower Upper
96 100
61 158.8 0.0 375.8
98 0.0 31.6 95.0#



#24
tert-Butyl Alcohol
Concen: 0.822 ug/l
RT: 3.205 min Scan# 580
Delta R.T. 0.010 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 59 Resp: 977
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

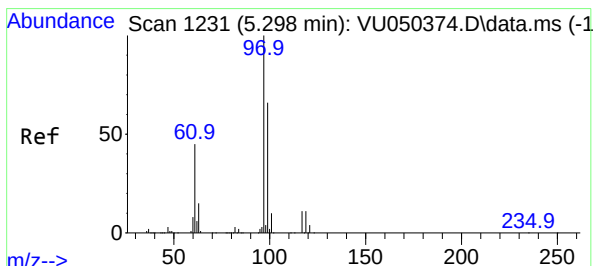
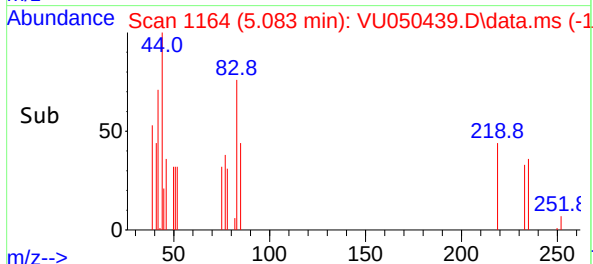
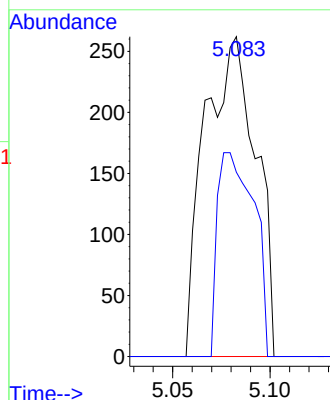
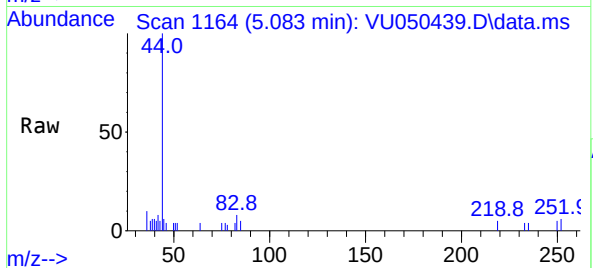




#27
Chloroform
Concen: 0.021 ug/l
RT: 5.083 min Scan# 1165
Delta R.T. -0.006 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

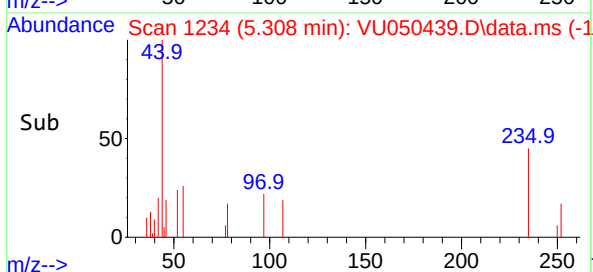
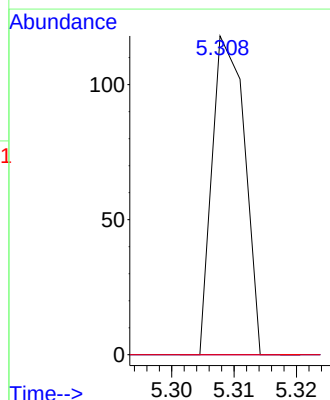
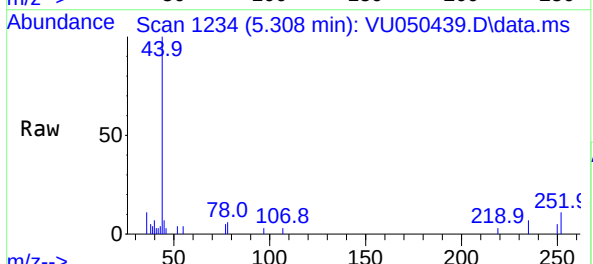
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

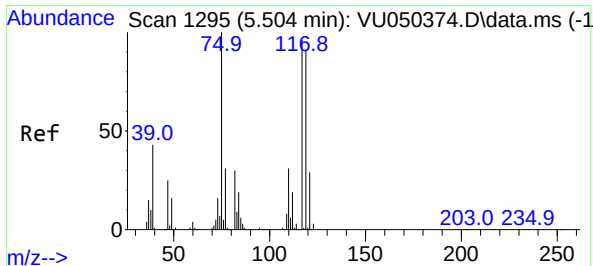
Tgt Ion: 83 Resp: 478
Ion Ratio Lower Upper
83 100
85 57.6 0.0 133.6



#28
1,1,1-Trichloroethane
Concen: 0.002 ug/l
RT: 5.308 min Scan# 1234
Delta R.T. -0.006 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 97 Resp: 42
Ion Ratio Lower Upper
97 100
99 1819.0 32.1 96.5#
61 0.0 21.8 65.4#

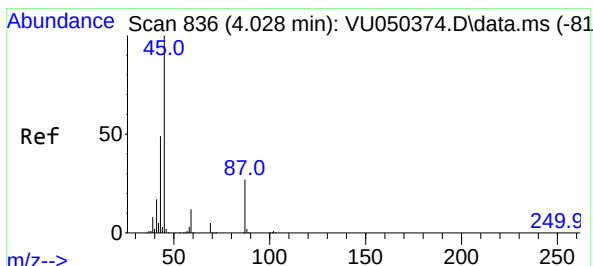
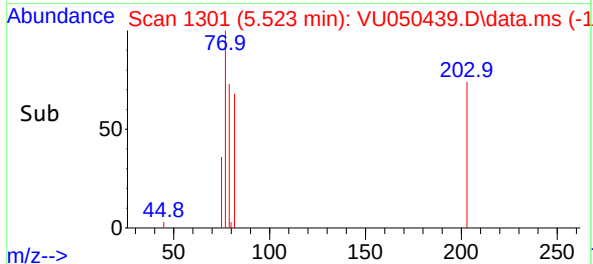
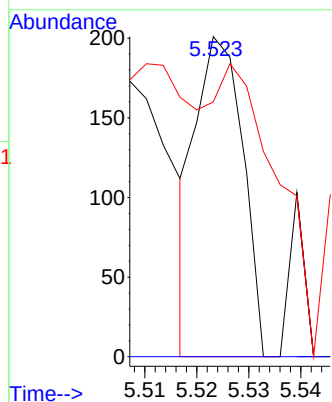
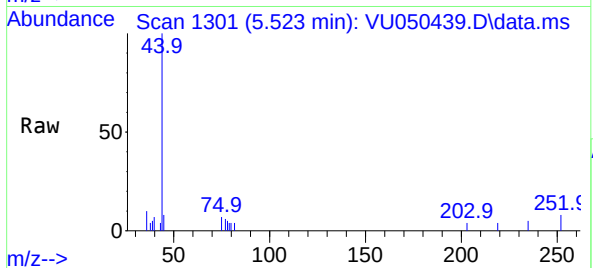




#29
1,1-Dichloropropene
Concen: 0.008 ug/l
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

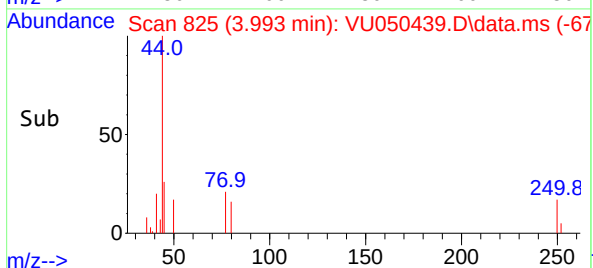
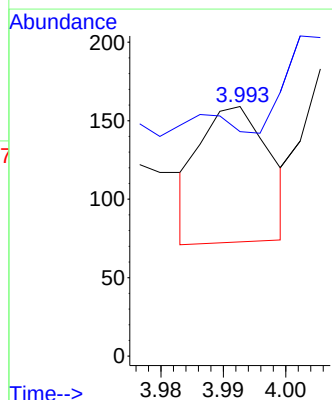
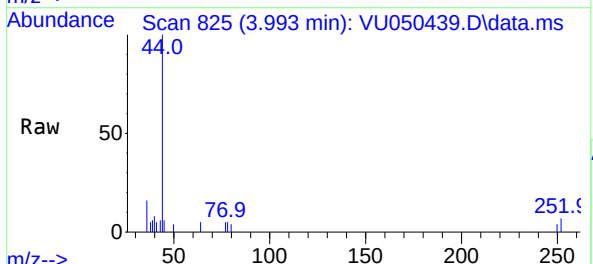
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

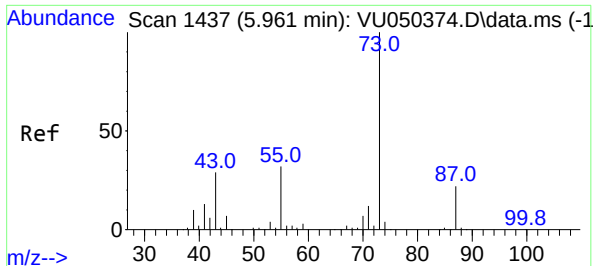
Tgt Ion: 75 Resp: 126
Ion Ratio Lower Upper
75 100
110 0.0 17.3 52.0#
77 0.0 24.6 37.0#



#31
Isopropyl Ether
Concen: 0.002 ug/l
RT: 3.993 min Scan# 825
Delta R.T. -0.010 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 45 Resp: 67
Ion Ratio Lower Upper
45 100
43 56.7 23.8 71.2

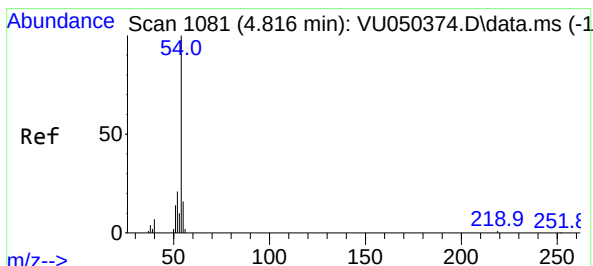
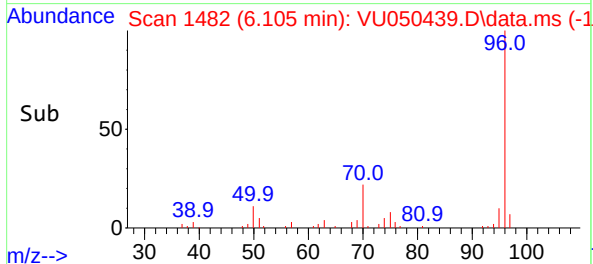
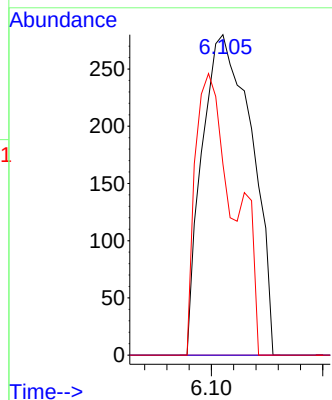
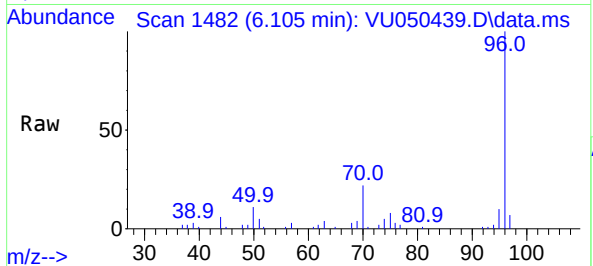




#33
Tert-Amyl methyl ether
Concen: 0.023 ug/l
RT: 6.105 min Scan# 1437
Delta R.T. 0.158 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

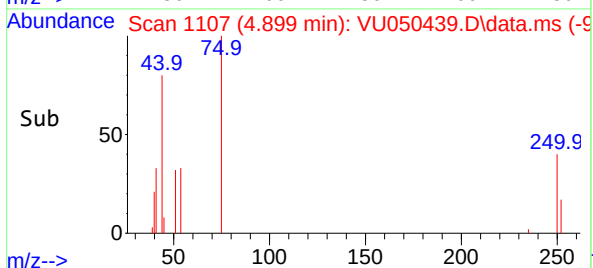
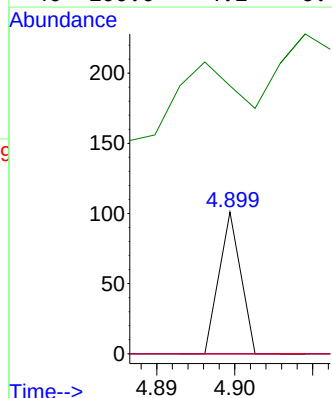
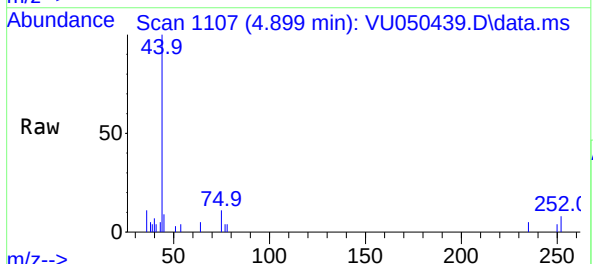
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

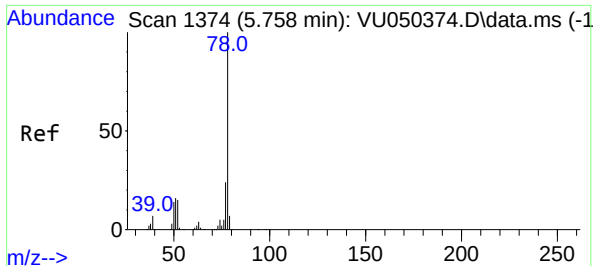
Tgt Ion: 73	Resp: 433
Ion Ratio	Lower Upper
73 100	
87 0.0	19.7 29.5#
71 69.1	9.0 13.4#



#34
Propionitrile
Concen: 0.018 ug/l
RT: 4.899 min Scan# 1107
Delta R.T. 0.113 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 54	Resp: 19
Ion Ratio	Lower Upper
54 100	
52 0.0	15.0 22.6#
55 0.0	12.6 19.0#
40 200.0	4.2 6.4#

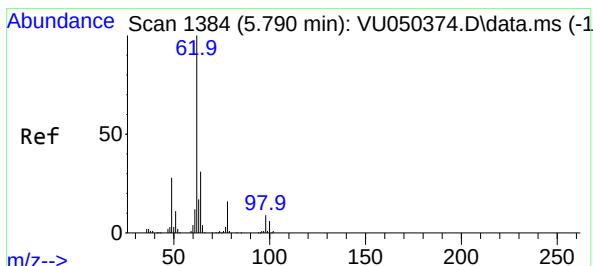
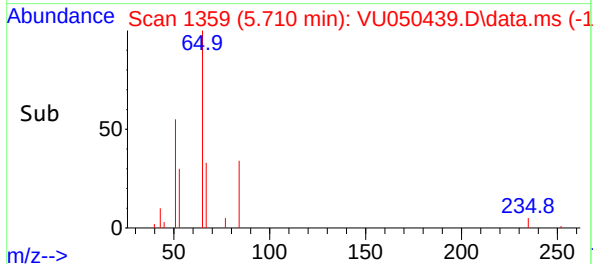
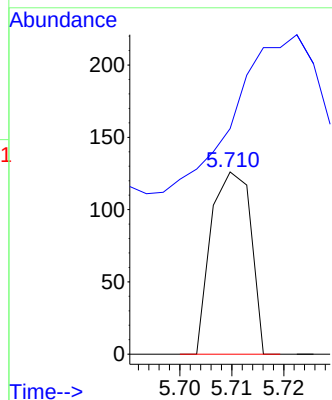
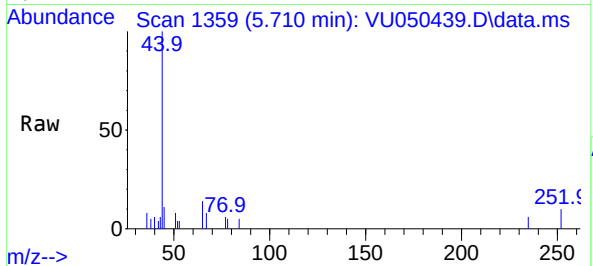




#35
Benzene
Concen: 0.001 ug/l
RT: 5.710 min Scan# 11
Delta R.T. -0.064 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

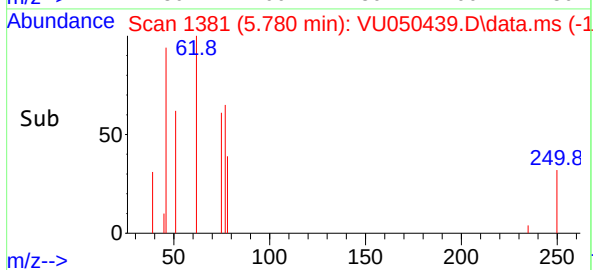
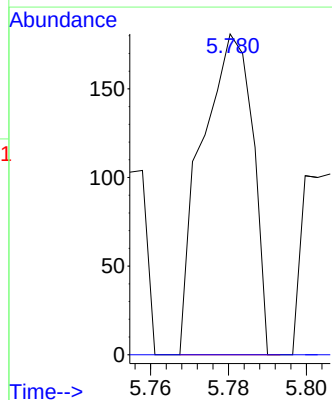
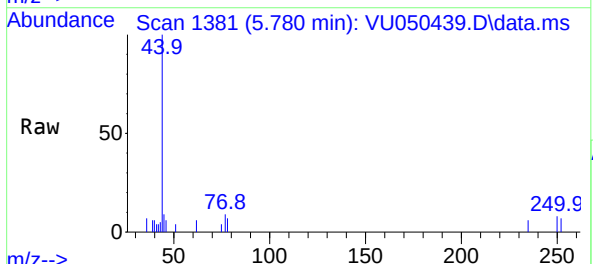
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

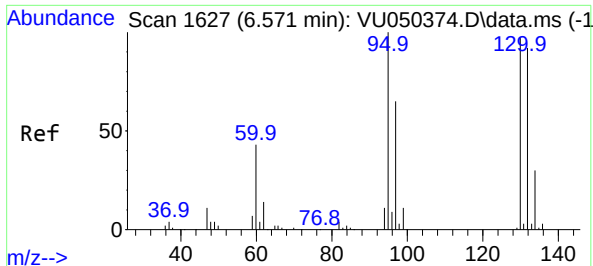
Tgt Ion: 78 Resp: 67
Ion Ratio Lower Upper
78 100
77 27.8 18.6 28.0



#36
1,2-Dichloroethane
Concen: 0.012 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. -0.016 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 62 Resp: 164
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#





#37

Trichloroethene

Concen: 0.016 ug/l

RT: 6.546 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050439.D

Acq: 25 Aug 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

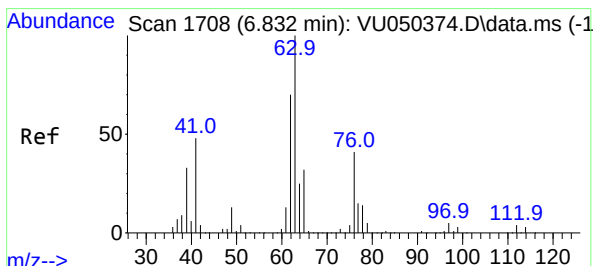
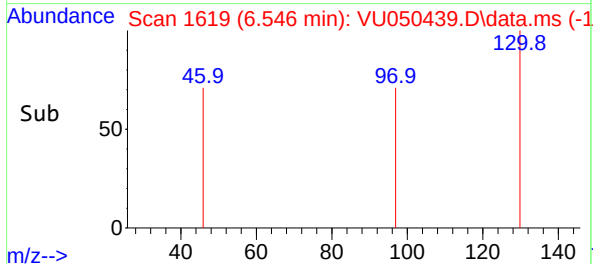
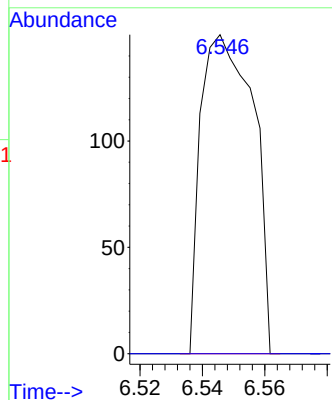
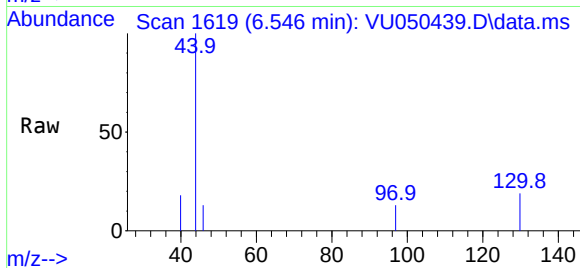
VU0825WBL01

Tgt Ion:130 Resp: 175

Ion Ratio Lower Upper

130 100

95 0.0 83.8 125.8#



#38

1,2-Dichloropropane

Concen: 0.002 ug/l

RT: 6.806 min Scan# 1700

Delta R.T. 0.013 min

Lab File: VU050439.D

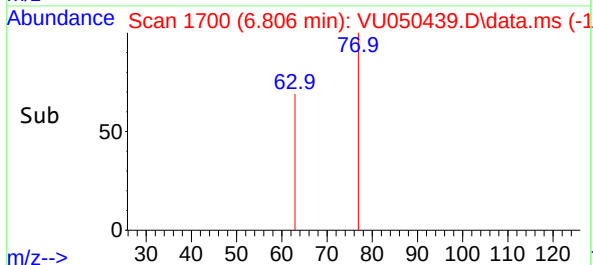
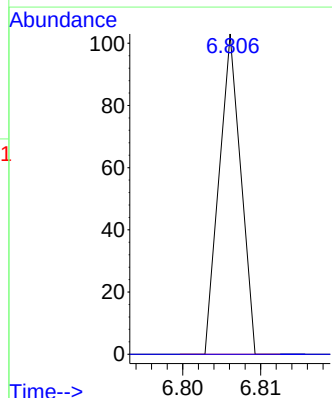
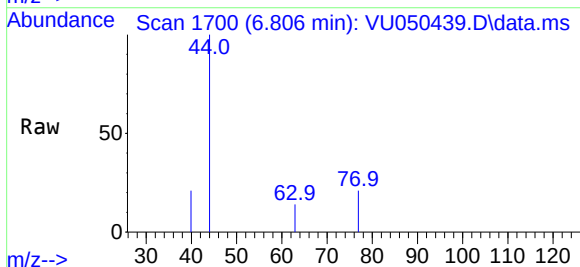
Acq: 25 Aug 2022 10:47

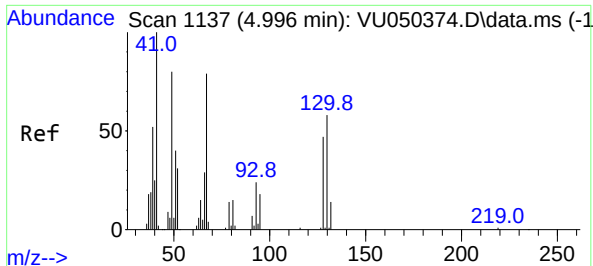
Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#

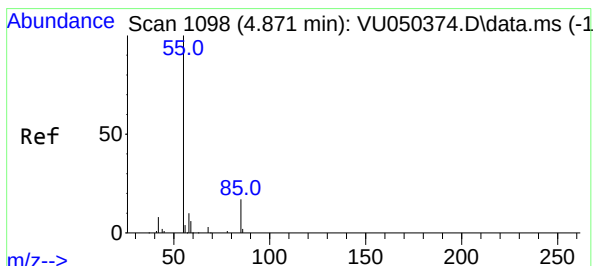
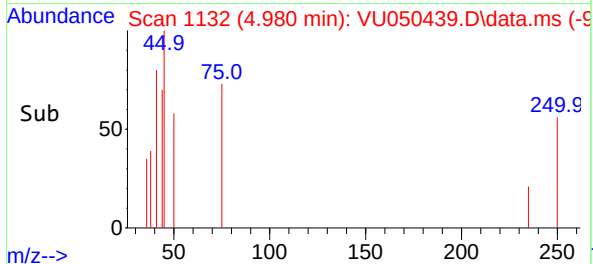
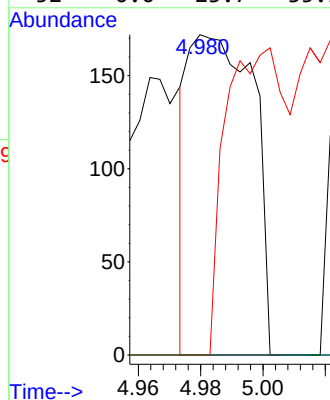
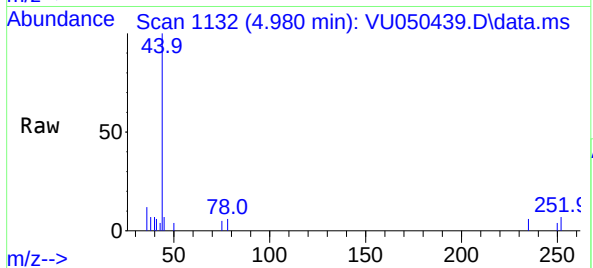




#39
Methacrylonitrile
Concen: 0.057 ug/l
RT: 4.980 min Scan# 1137
Delta R.T. -0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

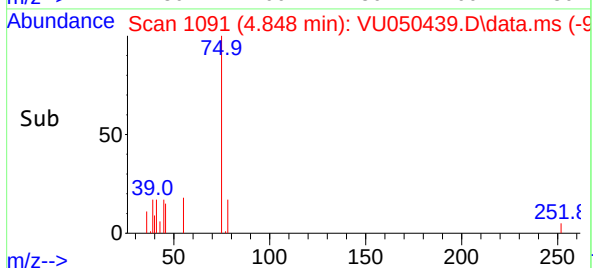
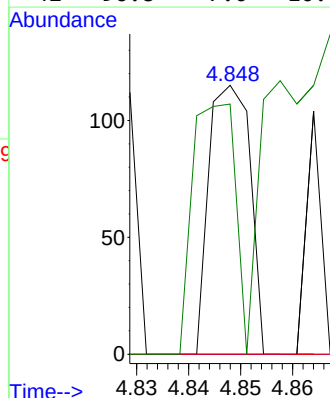
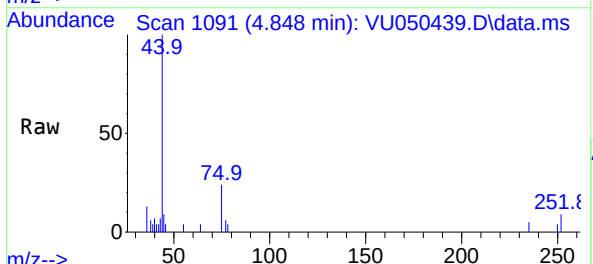
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

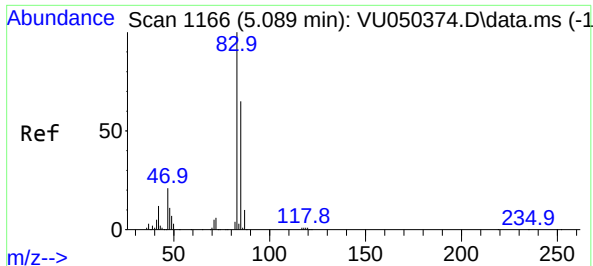
Tgt Ion:	41	Resp:	247
Ion	Ratio	Lower	Upper
41	100		
67	0.0	59.4	89.0#
39	90.7	42.2	63.2#
52	0.0	23.7	35.5#



#40
Methyl acrylate
Concen: 0.009 ug/l
RT: 4.848 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion:	55	Resp:	63
Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.5	20.3#
58	0.0	7.0	10.4#
42	96.8	7.0	10.6#





#41

Tetrahydrofuran

Concen: 0.147 ug/l

RT: 5.083 min Scan# 1166

Delta R.T. 0.016 min

Lab File: VU050439.D

Acq: 25 Aug 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VU0825WBL01

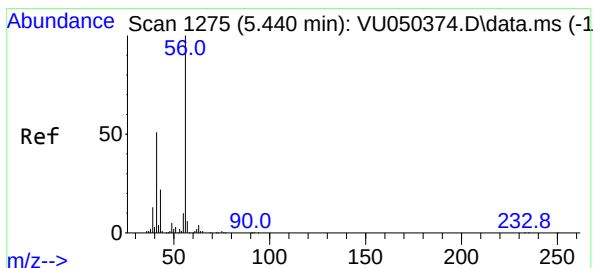
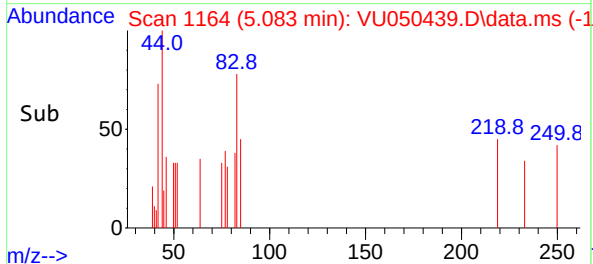
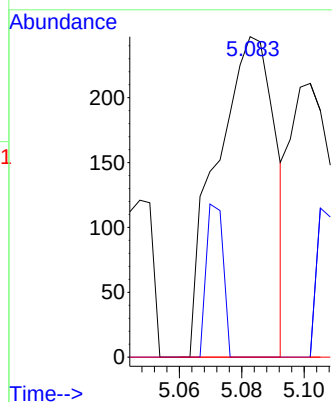
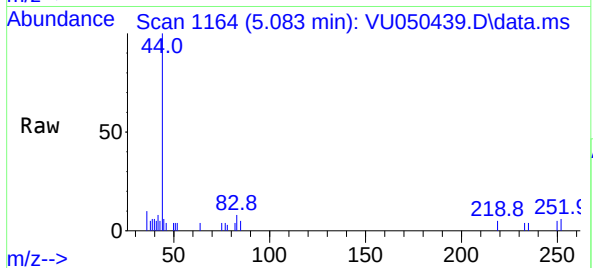
Tgt Ion: 42 Resp: 322

Ion Ratio Lower Upper

42 100

72 14.0 38.9 58.3#

71 0.0 33.7 50.5#



#42

1-Chlorobutane

Concen: 0.008 ug/l

RT: 5.433 min Scan# 1273

Delta R.T. -0.022 min

Lab File: VU050439.D

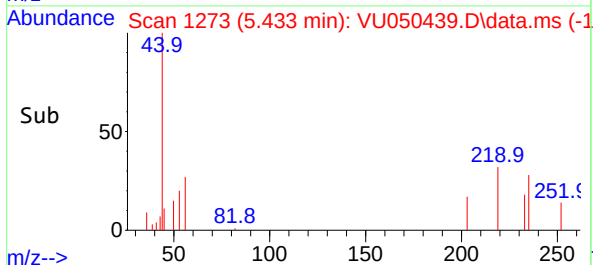
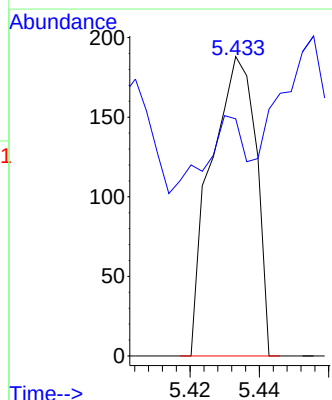
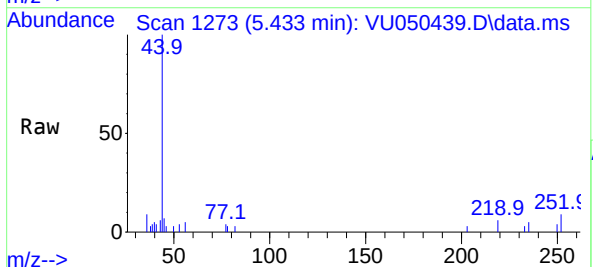
Acq: 25 Aug 2022 10:47

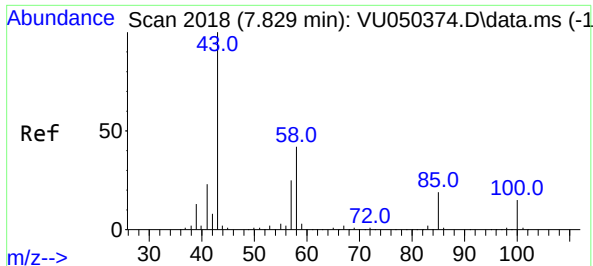
Tgt Ion: 56 Resp: 169

Ion Ratio Lower Upper

56 100

41 62.7 26.4 79.2

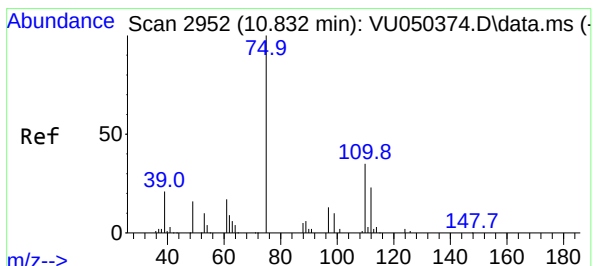
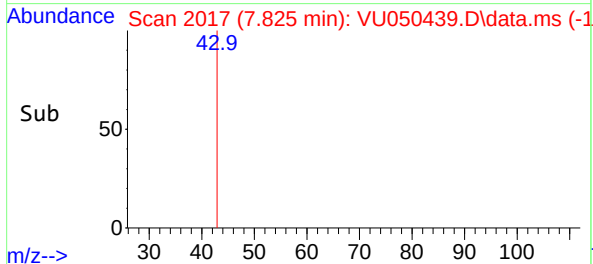
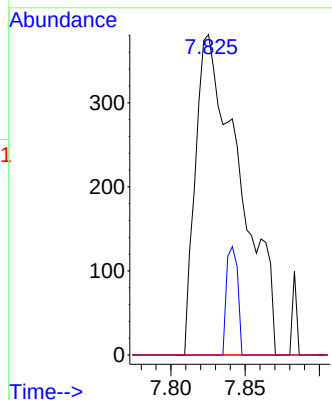
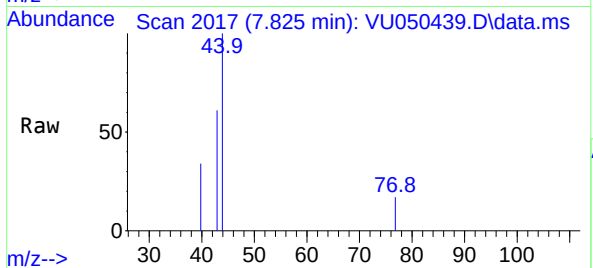




#45
4-Methyl-2-Pentanone
Concen: 0.118 ug/l
RT: 7.825 min Scan# 2018
Delta R.T. 0.029 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

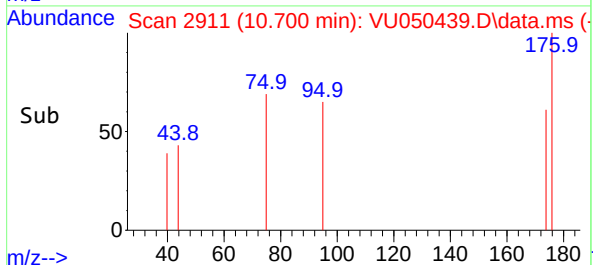
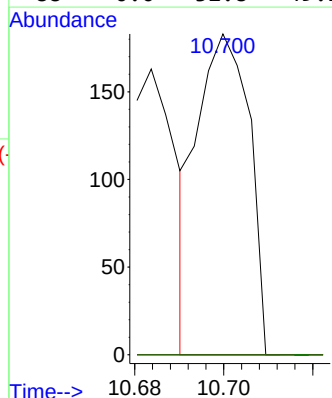
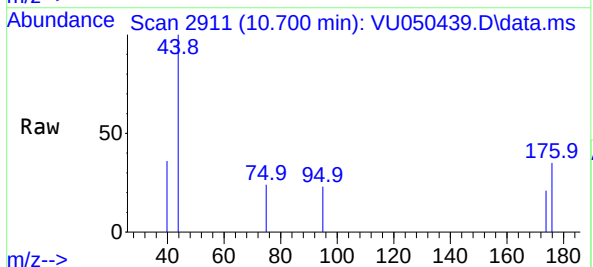
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

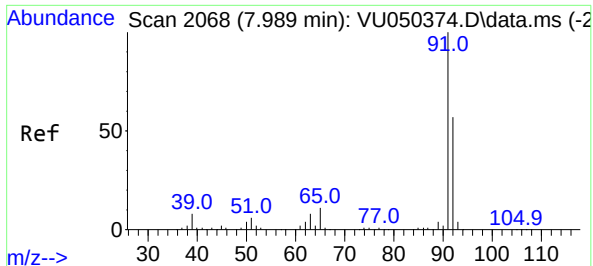
Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
58 8.7 20.3 61.0#
85 0.0 14.6 21.8#



#46
t-1,4-Dichloro-2-butene
Concen: 0.560 ug/l
RT: 10.700 min Scan# 2911
Delta R.T. -0.132 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 75 Resp: 147
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 44.2 66.2#
88 0.0 32.8 49.2#





#49

Toluene

Concen: 0.007 ug/l

RT: 7.980 min Scan# 2068

Delta R.T. 0.010 min

Lab File: VU050439.D

Acq: 25 Aug 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

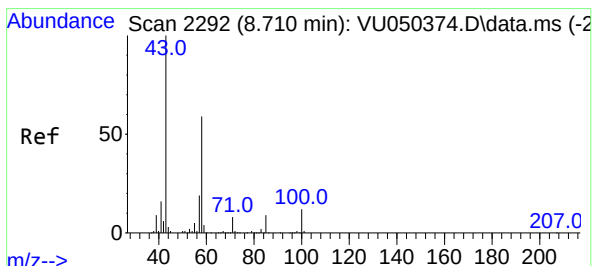
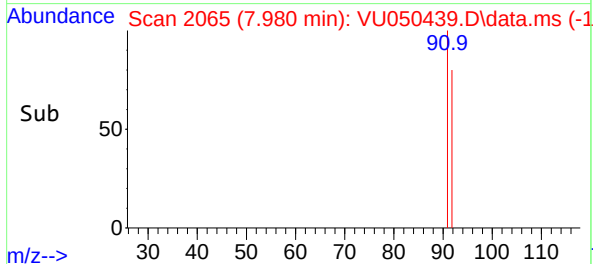
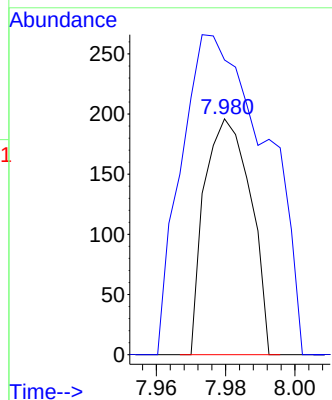
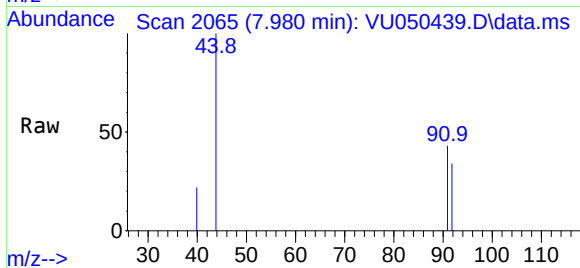
VU0825WBL01

Tgt Ion: 92 Resp: 181

Ion Ratio Lower Upper

92 100

91 247.5 138.6 207.8#



#54

2-Hexanone

Concen: 0.239 ug/l

RT: 8.719 min Scan# 2295

Delta R.T. 0.029 min

Lab File: VU050439.D

Acq: 25 Aug 2022 10:47

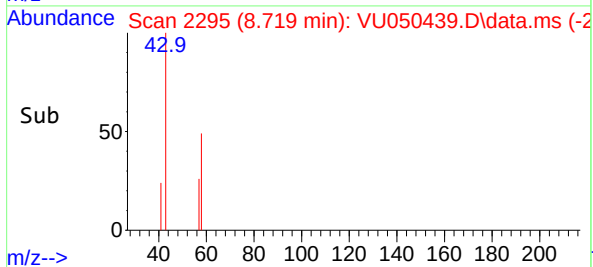
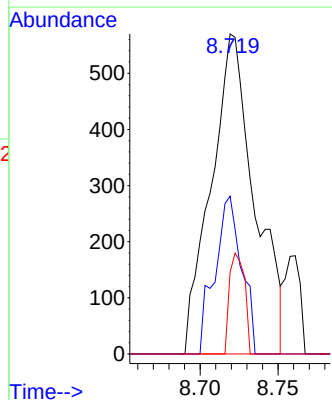
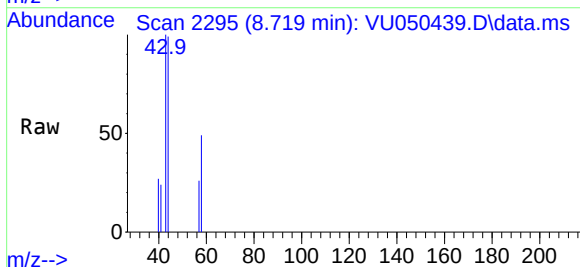
Tgt Ion: 43 Resp: 1106

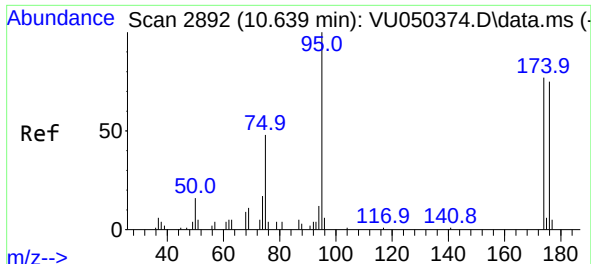
Ion Ratio Lower Upper

43 100

58 30.4 37.1 77.1#

57 10.8 0.0 39.5





#57

4-Bromofluorobenzene

Concen: 0.759 ug/l

RT: 10.639 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU050439.D

Acq: 25 Aug 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VU0825WBL01

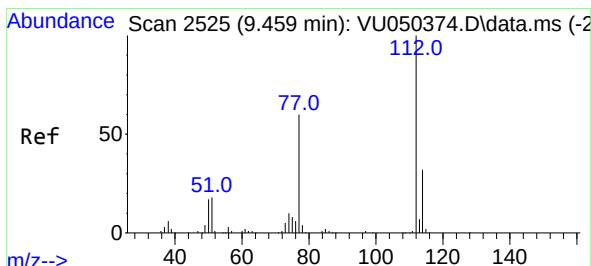
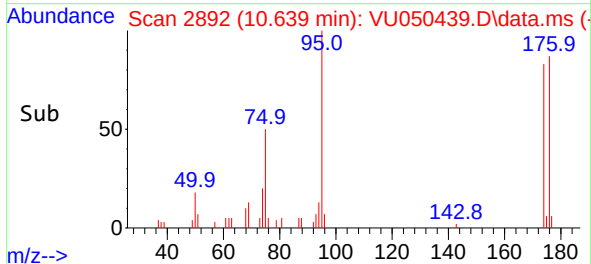
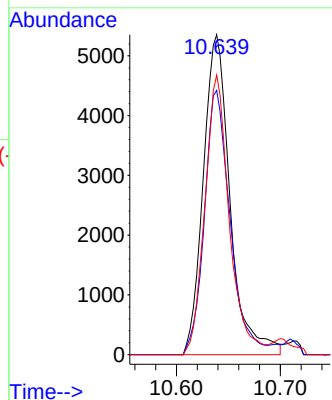
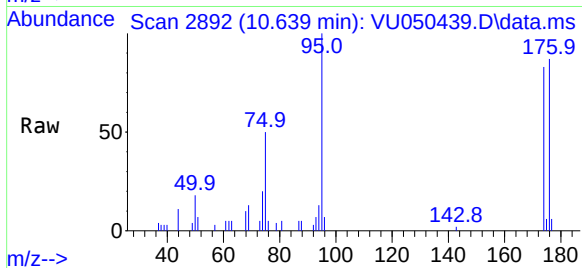
Tgt Ion: 95 Resp: 9583

Ion Ratio Lower Upper

95 100

174 79.3 62.4 93.6

176 79.6 56.2 84.2



#59

Chlorobenzene

Concen: 0.013 ug/l

RT: 9.452 min Scan# 2523

Delta R.T. 0.003 min

Lab File: VU050439.D

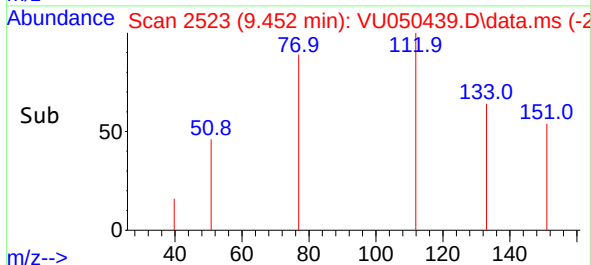
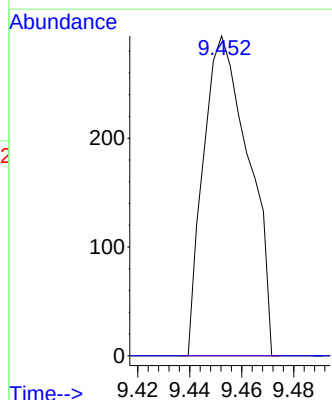
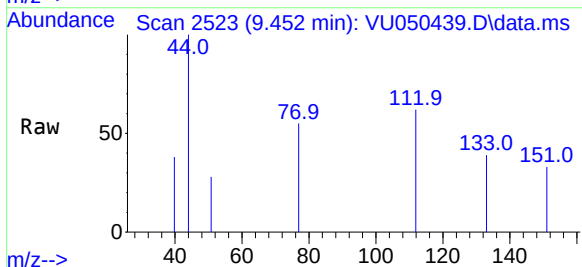
Acq: 25 Aug 2022 10:47

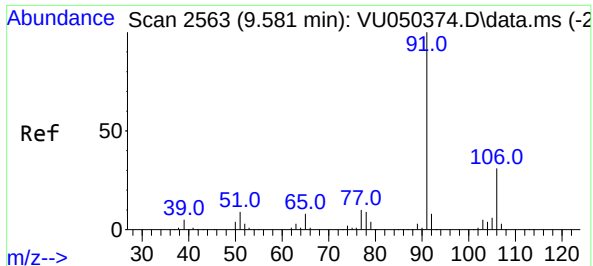
Tgt Ion: 112 Resp: 357

Ion Ratio Lower Upper

112 100

114 0.0 24.9 37.3#





#63

Ethyl Benzene

Concen: 0.579 ug/l

RT: 9.574 min Scan# 2561

Delta R.T. 0.003 min

Lab File: VU050439.D

Acq: 25 Aug 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

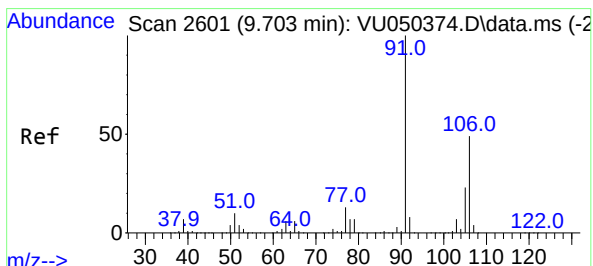
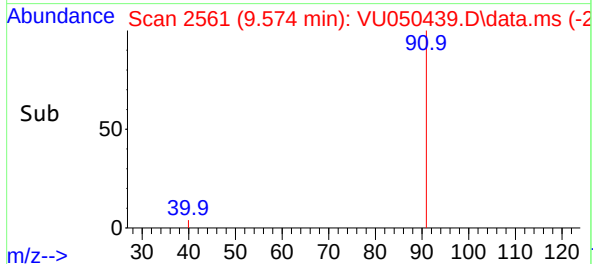
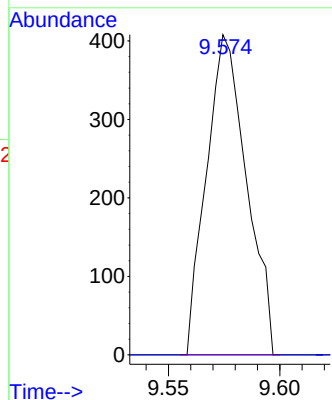
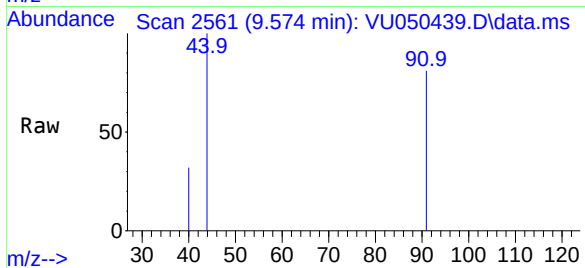
VU0825WBL01

Tgt Ion: 91 Resp: 513

Ion Ratio Lower Upper

91 100

106 0.0 24.4 36.6#



#64

m/p-Xylenes

Concen: 1.096 ug/l

RT: 9.703 min Scan# 2601

Delta R.T. 0.010 min

Lab File: VU050439.D

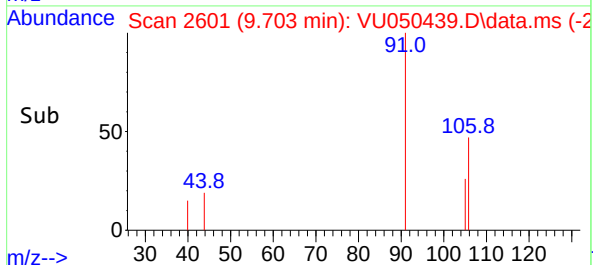
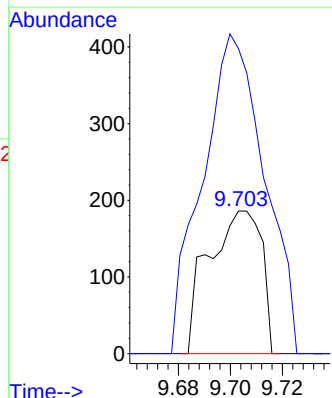
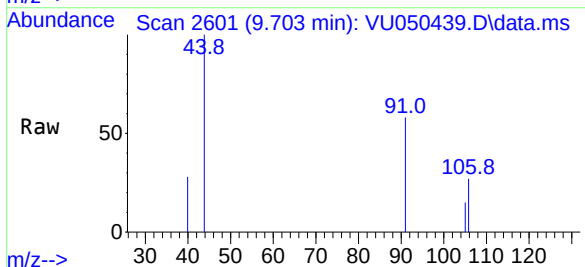
Acq: 25 Aug 2022 10:47

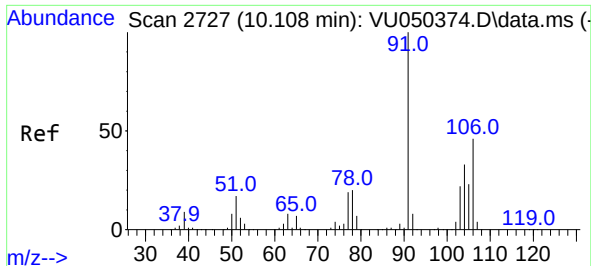
Tgt Ion: 106 Resp: 264

Ion Ratio Lower Upper

106 100

91 261.7 167.8 251.6#

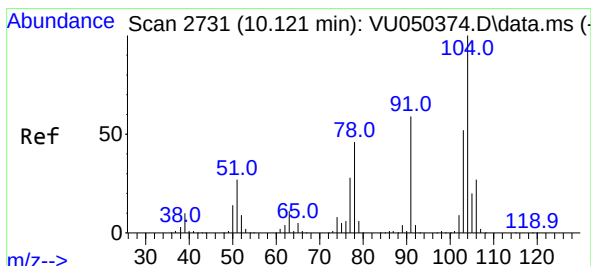
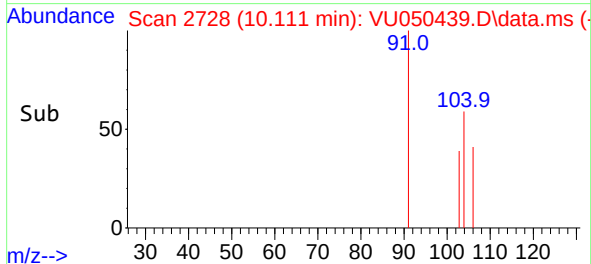
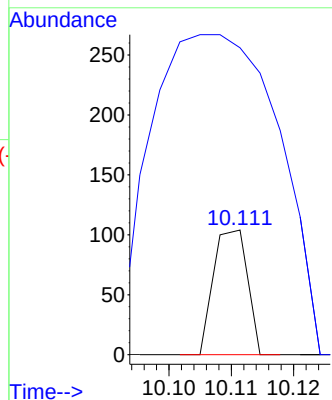
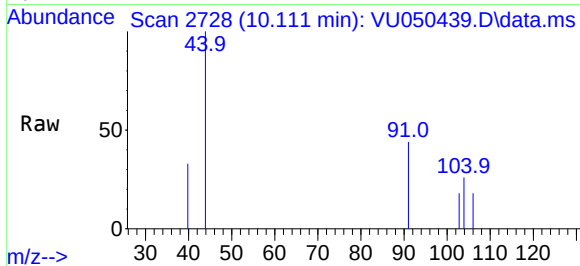




#65
o-Xylene
Concen: 0.513 ug/l
RT: 10.111 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

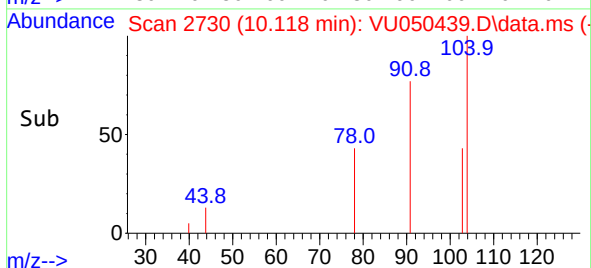
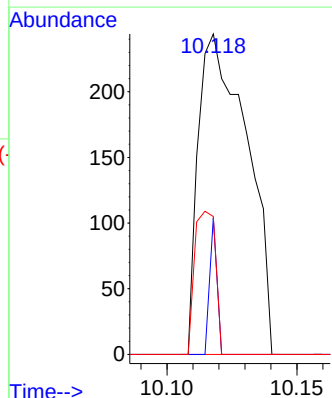
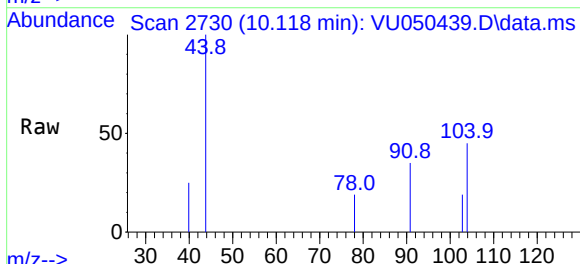
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

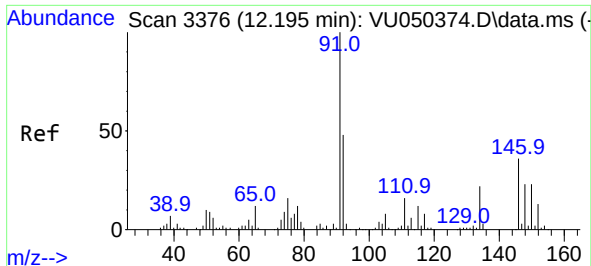
Tgt Ion:106 Resp: 39
Ion Ratio Lower Upper
106 100
91 969.2 111.1 333.2#



#66
Styrene
Concen: 0.609 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion:104 Resp: 317
Ion Ratio Lower Upper
104 100
78 6.3 42.1 63.1#
103 19.2 44.5 66.7#

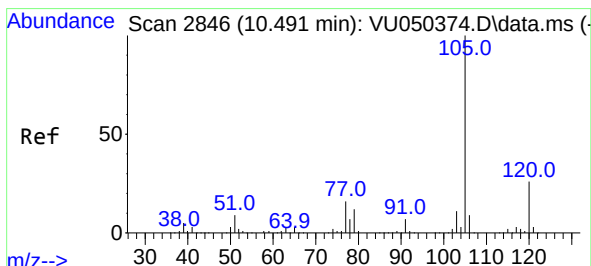
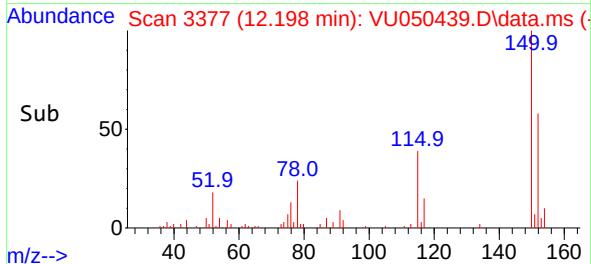
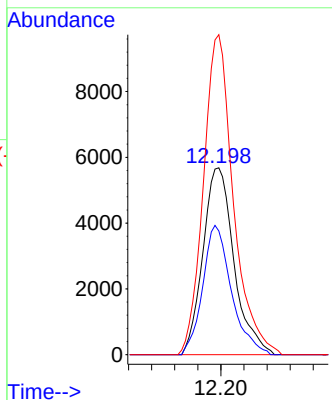
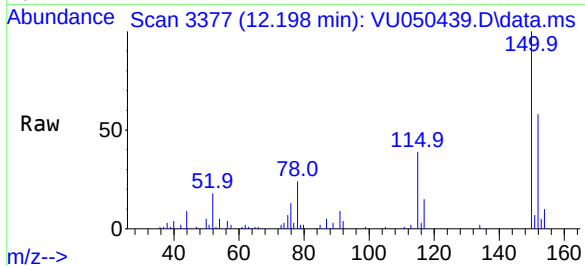




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.712 ug/l
 RT: 12.198 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU050439.D
 Acq: 25 Aug 2022 10:47

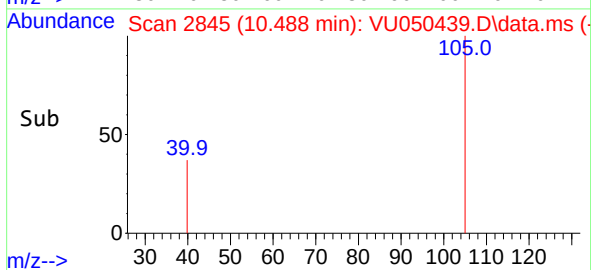
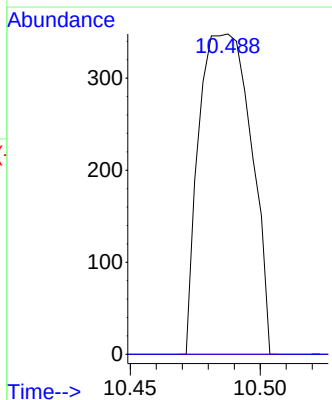
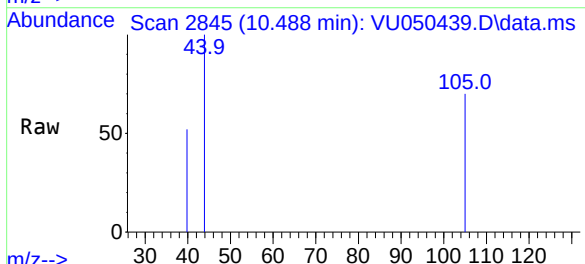
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0825WBL01

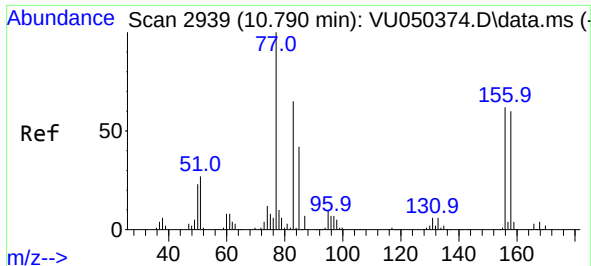
Tgt Ion:	152	Resp:	10626
Ion Ratio	Lower	Upper	
152	100		
115	64.0	0.0	254.6
150	164.9	0.0	623.6



#69
 Isopropylbenzene
 Concen: 0.578 ug/l
 RT: 10.488 min Scan# 2845
 Delta R.T. 0.003 min
 Lab File: VU050439.D
 Acq: 25 Aug 2022 10:47

Tgt Ion:	105	Resp:	485
Ion Ratio	Lower	Upper	
105	100		
120	0.0	12.6	37.8#

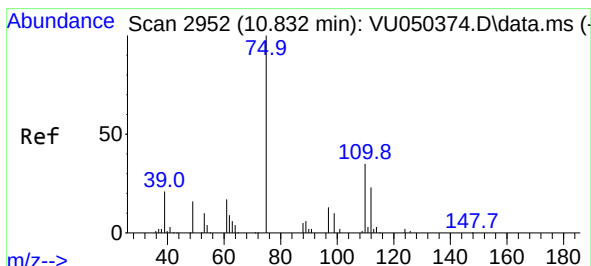
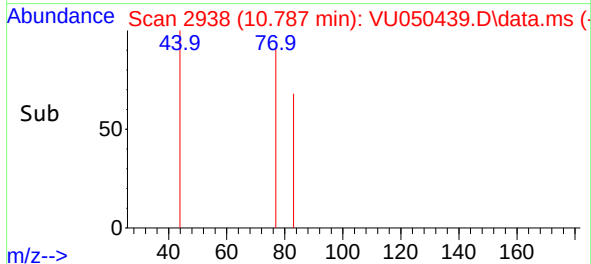
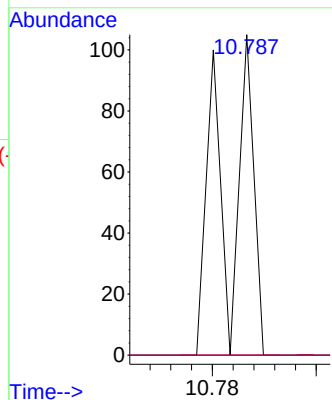
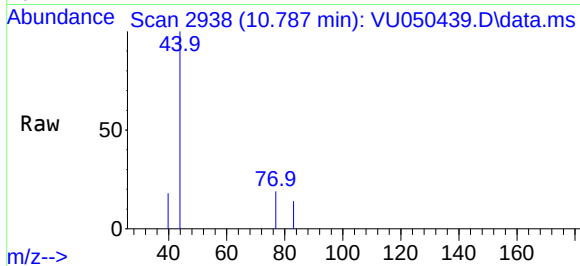




#70
1,1,2,2-Tetrachloroethane
Concen: 0.003 ug/l
RT: 10.787 min Scan# 2911
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

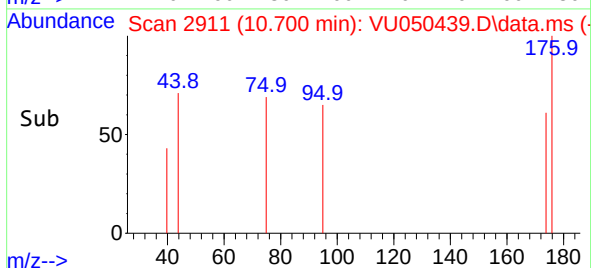
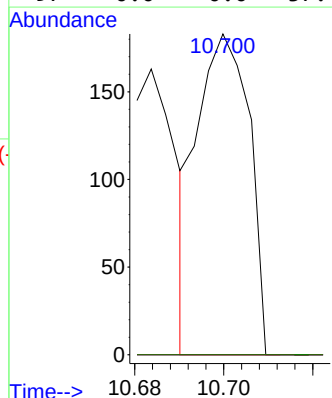
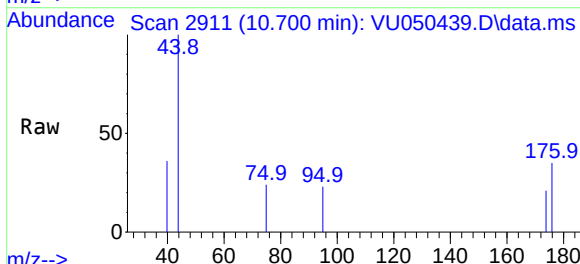
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

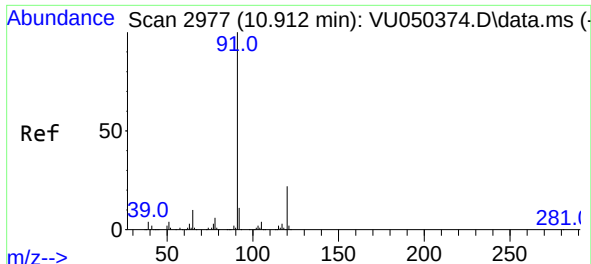
Tgt Ion: 83 Resp: 40
Ion Ratio Lower Upper
83 100
131 0.0 7.7 11.5#
85 0.0 51.2 76.8#



#71
1,2,3-Trichloropropane
Concen: 0.015 ug/l
RT: 10.700 min Scan# 2911
Delta R.T. -0.125 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 75 Resp: 147
Ion Ratio Lower Upper
75 100
77 95.9 0.0 112.4
110 0.0 0.0 70.6
97 0.0 0.0 37.4

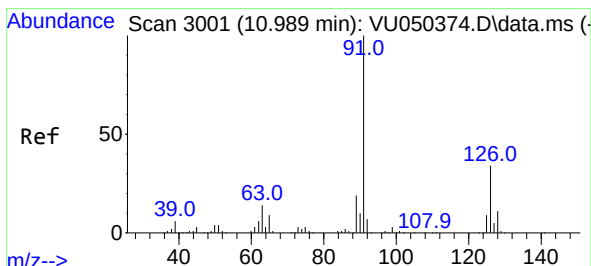
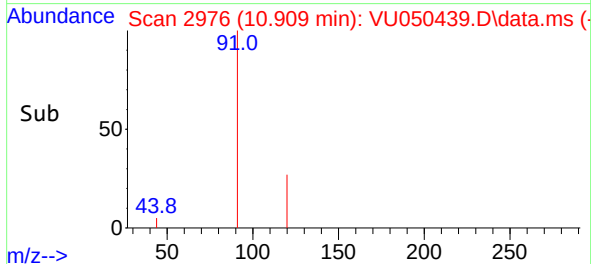
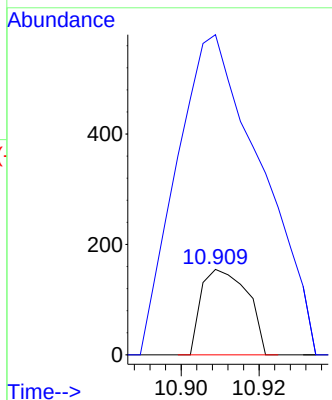
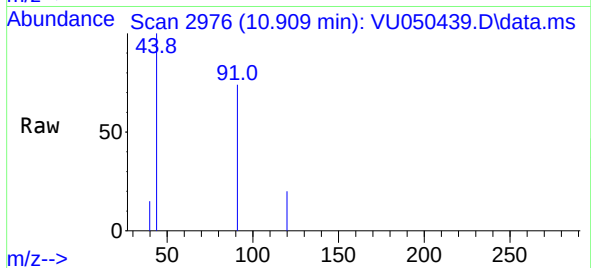




#73
n-propylbenzene
Concen: 0.600 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

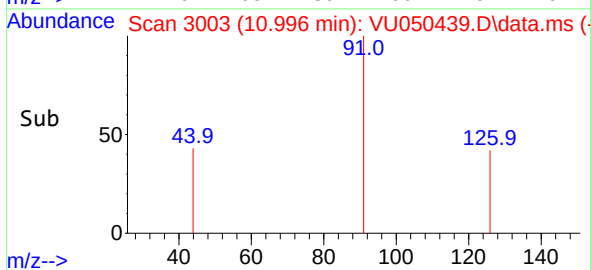
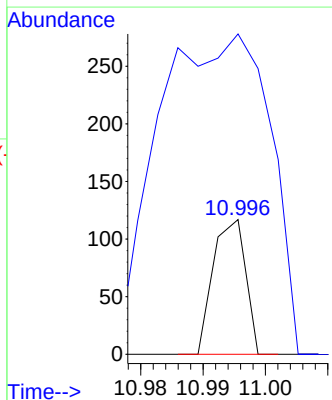
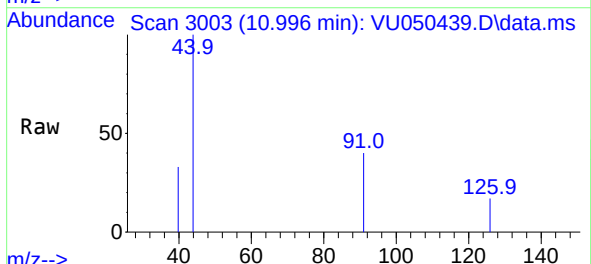
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

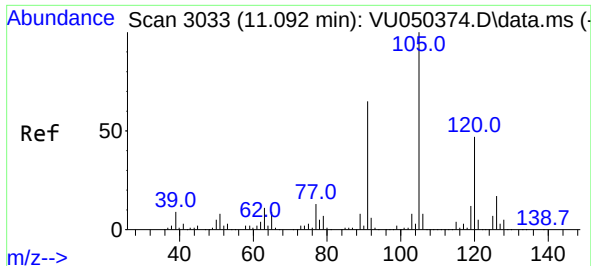
Tgt Ion:120 Resp: 127
Ion Ratio Lower Upper
120 100
91 689.8 367.8 551.6#



#74
2-Chlorotoluene
Concen: 0.393 ug/l
RT: 10.996 min Scan# 3003
Delta R.T. 0.010 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion:126 Resp: 42
Ion Ratio Lower Upper
126 100
91 823.8 0.0 620.6#

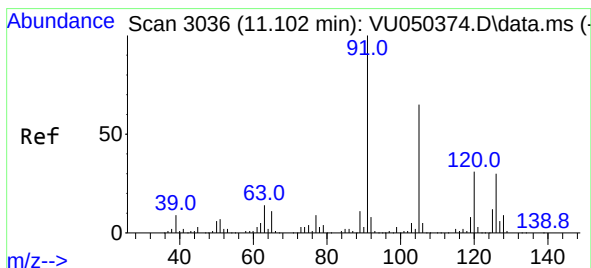
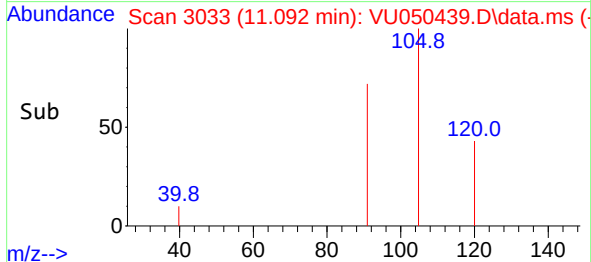
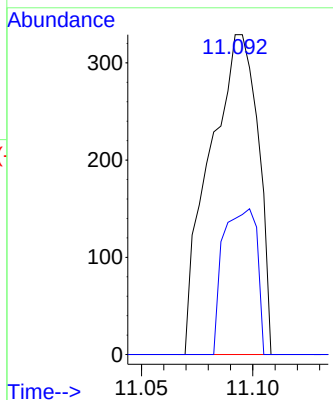
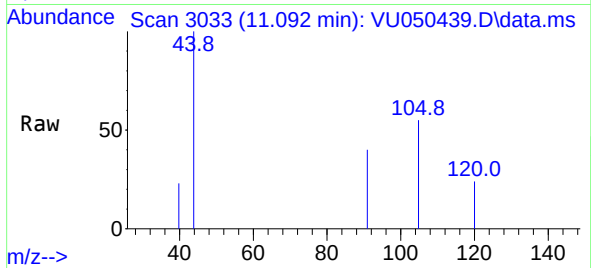




#75
1,3,5-Trimethylbenzene
Concen: 0.534 ug/l
RT: 11.092 min Scan# 3003
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

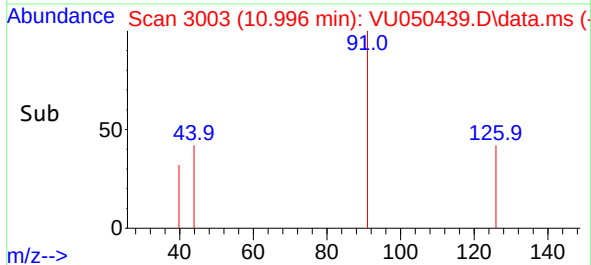
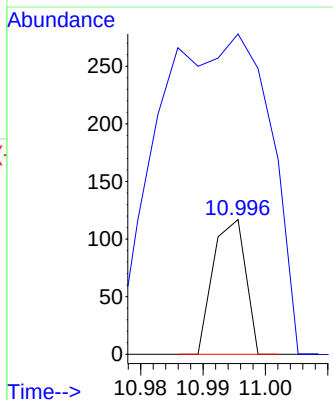
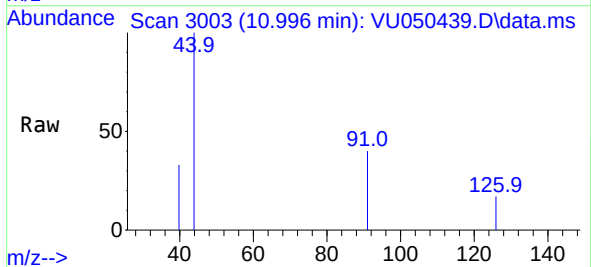
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

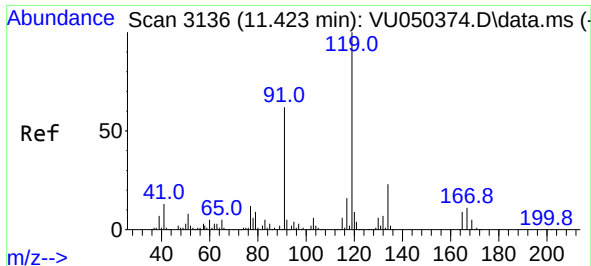
Tgt Ion:105 Resp: 496
Ion Ratio Lower Upper
105 100
120 31.9 37.6 56.4#



#76
4-Chlorotoluene
Concen: 0.404 ug/l
RT: 10.996 min Scan# 3003
Delta R.T. -0.103 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion:126 Resp: 42
Ion Ratio Lower Upper
126 100
91 823.8 0.0 738.8#

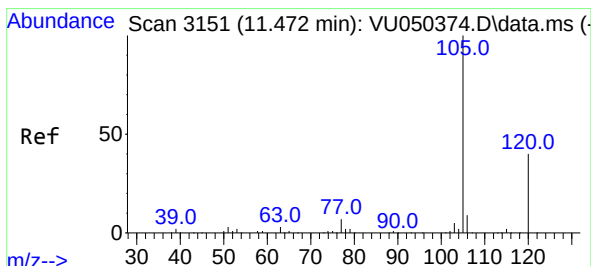
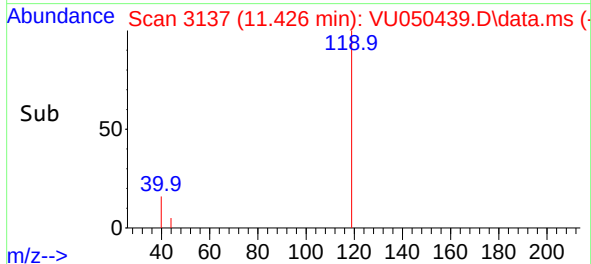
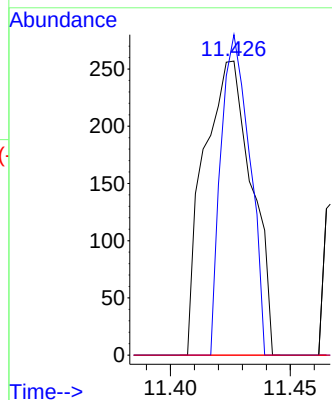
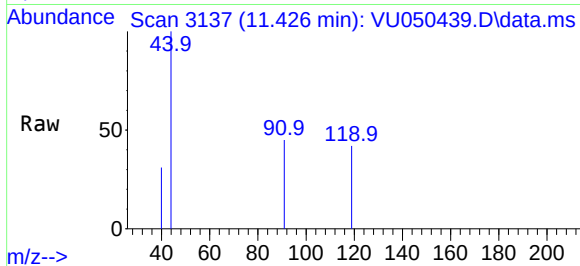




#77
tert-Butylbenzene
Concen: 0.502 ug/l
RT: 11.426 min Scan# 3136
Delta R.T. 0.006 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

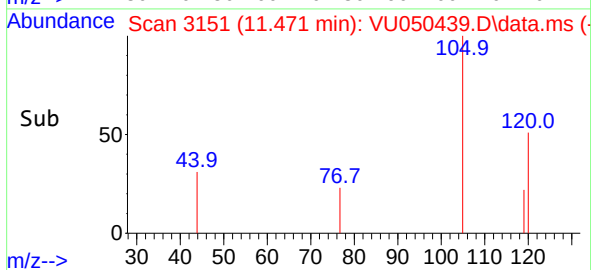
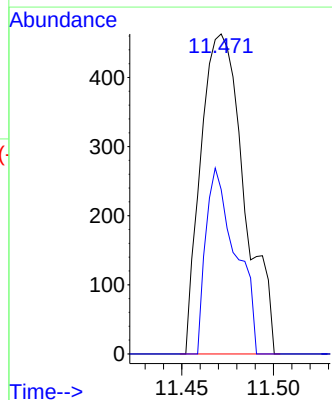
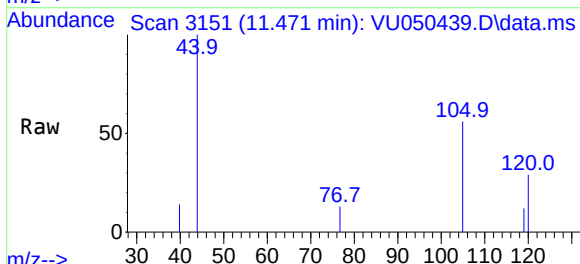
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

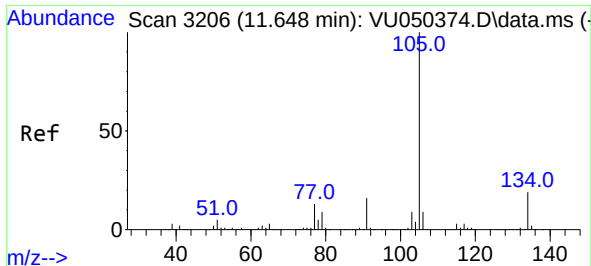
Tgt Ion:119 Resp: 356
Ion Ratio Lower Upper
119 100
91 65.4 30.4 91.3
134 0.0 17.8 26.6#



#78
1,2,4-Trimethylbenzene
Concen: 0.580 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion:105 Resp: 760
Ion Ratio Lower Upper
105 100
120 40.1 21.6 65.0

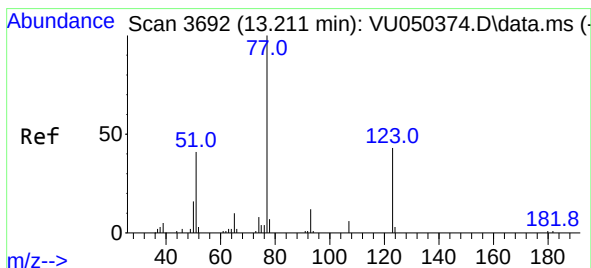
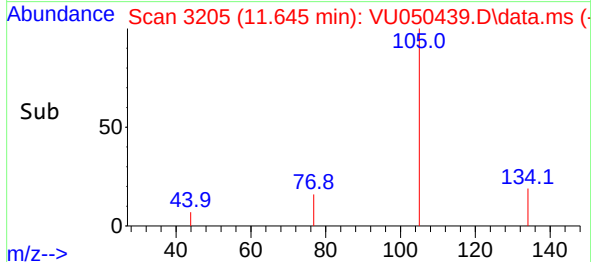
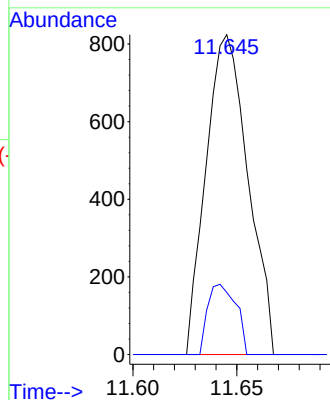
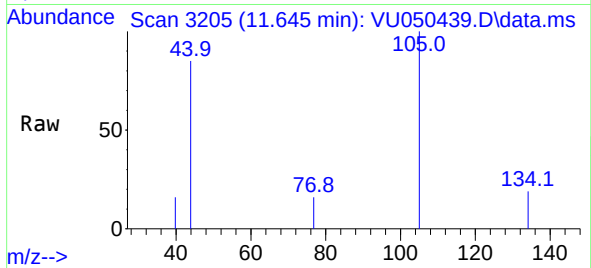




#79
 sec-Butylbenzene
 Concen: 0.567 ug/l
 RT: 11.645 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VU050439.D
 Acq: 25 Aug 2022 10:47

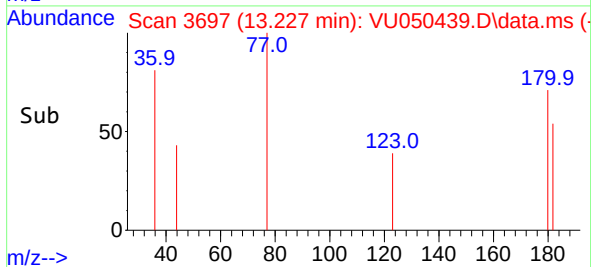
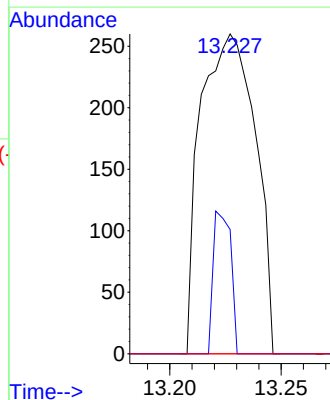
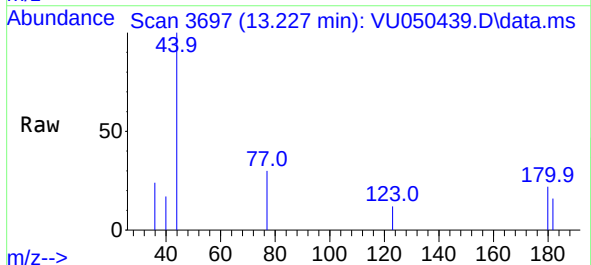
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0825WBL01

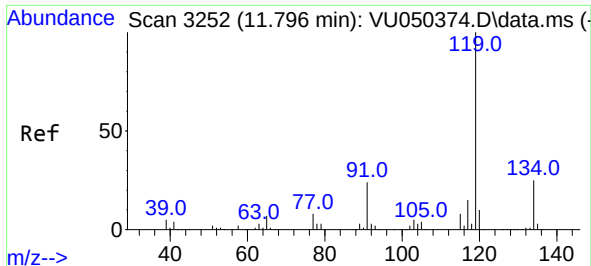
Tgt Ion:105 Resp: 1157
 Ion Ratio Lower Upper
 105 100
 134 14.8 15.4 23.0#



#80
 Nitrobenzene
 Concen: 0.611 ug/l
 RT: 13.227 min Scan# 3697
 Delta R.T. 0.019 min
 Lab File: VU050439.D
 Acq: 25 Aug 2022 10:47

Tgt Ion: 77 Resp: 444
 Ion Ratio Lower Upper
 77 100
 123 14.2 18.1 64.3#
 65 0.0 10.8 13.8#

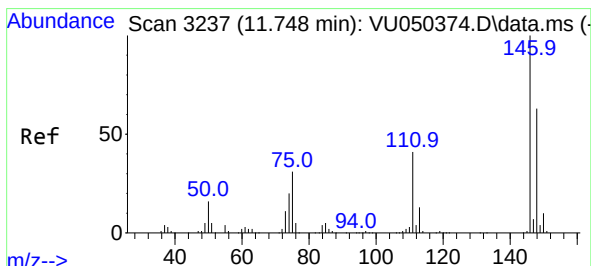
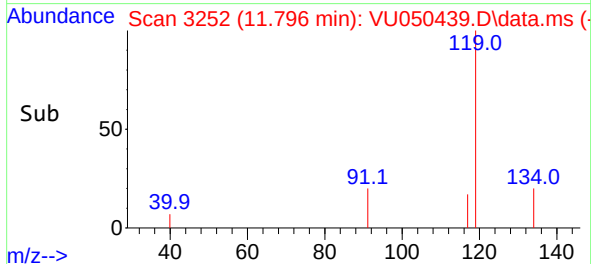
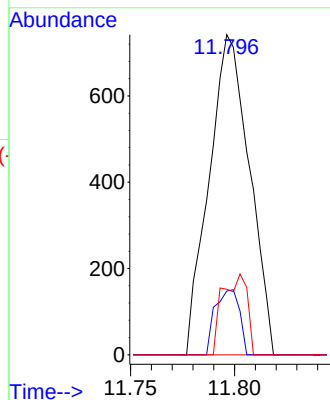
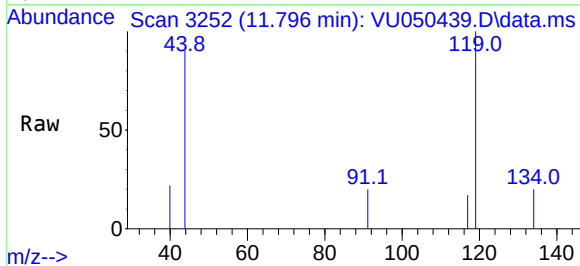




#81
p-Isopropyltoluene
Concen: 0.624 ug/l
RT: 11.796 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

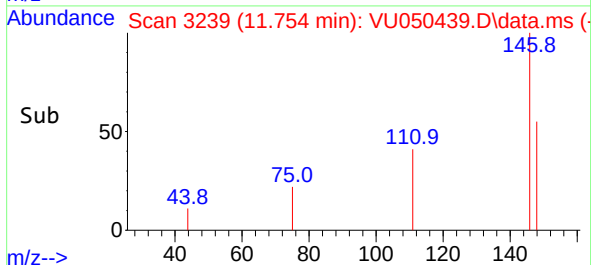
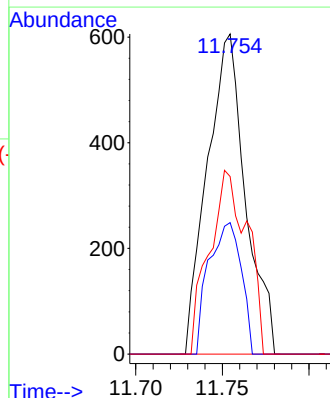
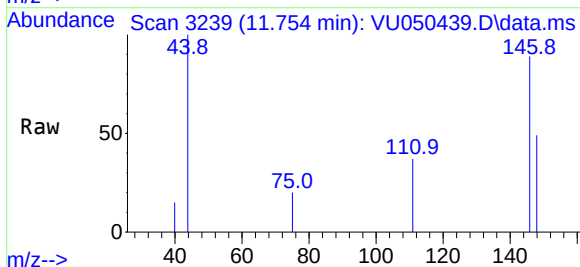
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

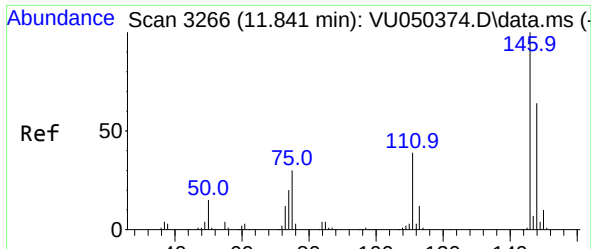
Tgt Ion:	119	Resp:	1001
Ion	Ratio	Lower	Upper
119	100		
134	12.2	20.5	30.7#
91	15.4	19.8	29.6#



#82
1,3-Dichlorobenzene
Concen: 0.039 ug/l
RT: 11.754 min Scan# 3239
Delta R.T. 0.010 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion:	146	Resp:	930
Ion	Ratio	Lower	Upper
146	100		
111	34.7	33.4	50.2
148	57.1	51.2	76.8



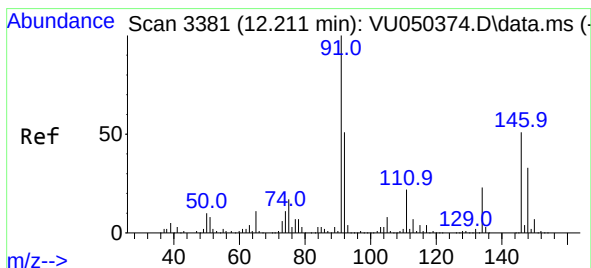
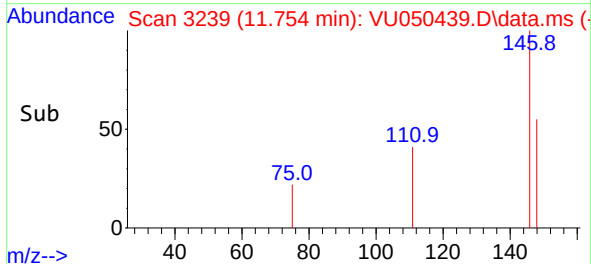
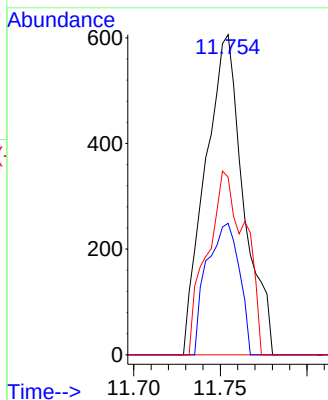
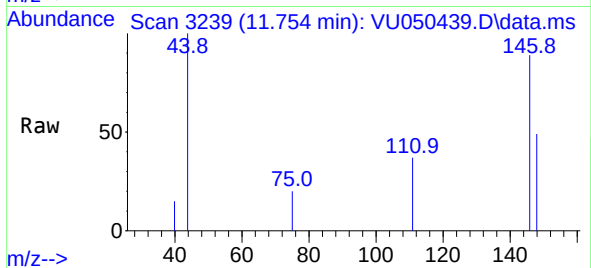


#83
1,4-Dichlorobenzene
Concen: 0.040 ug/l
RT: 11.754 min Scan# 3266
Delta R.T. -0.080 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

Tgt Ion:146 Resp: 930

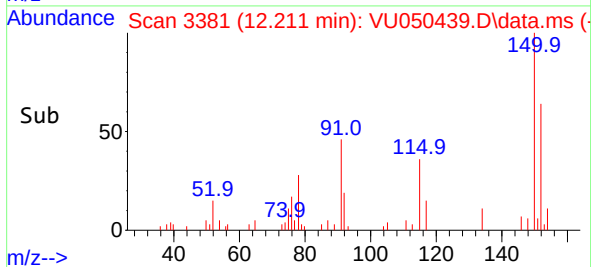
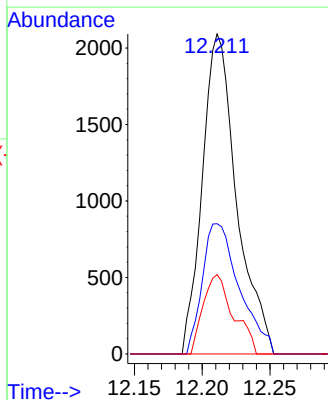
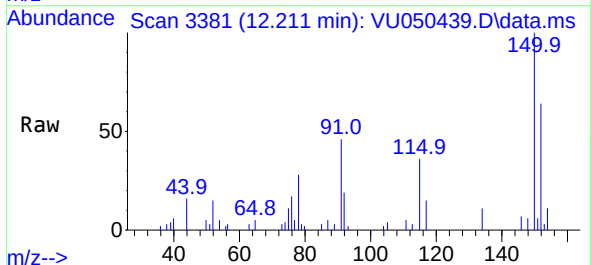
Ion	Ratio	Lower	Upper
146	100		
111	34.7	32.6	49.0
148	57.1	51.6	77.4

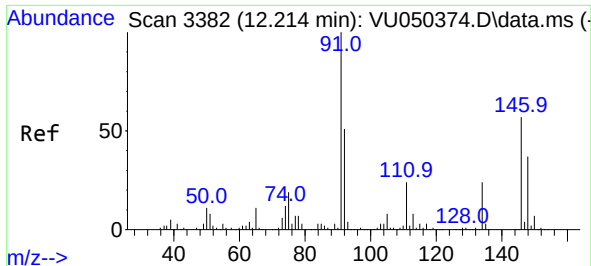


#84
n-Butylbenzene
Concen: 0.663 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion: 91 Resp: 3679

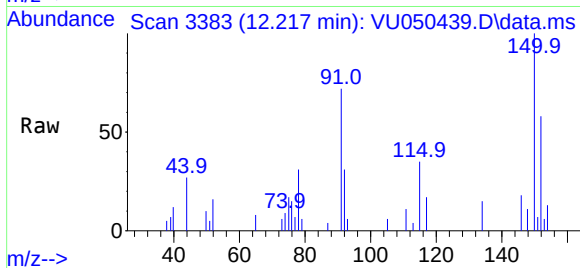
Ion	Ratio	Lower	Upper
91	100		
92	44.1	42.3	63.5
134	21.9	19.6	29.4



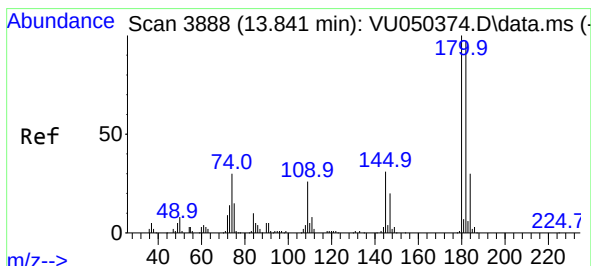
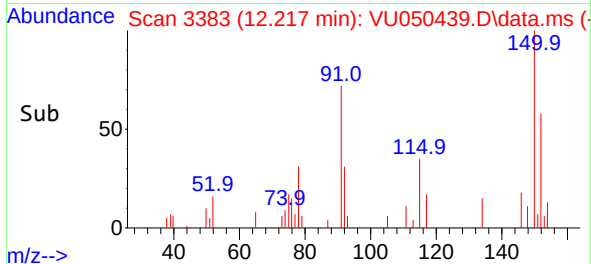
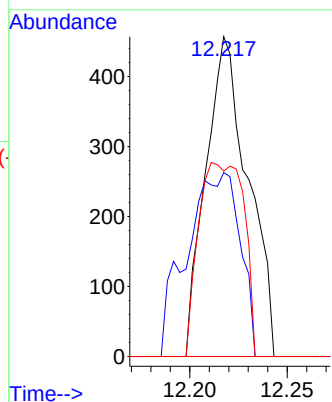


#85
1,2-Dichlorobenzene
Concen: 0.030 ug/l
RT: 12.217 min Scan# 311
Delta R.T. 0.006 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

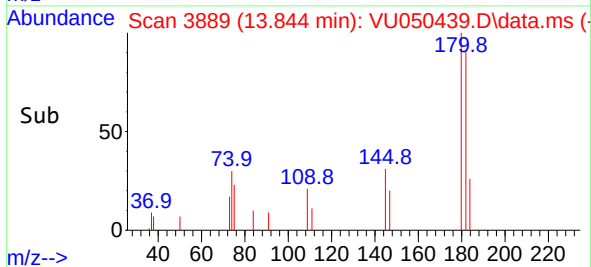
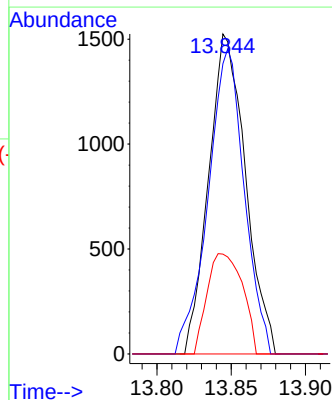
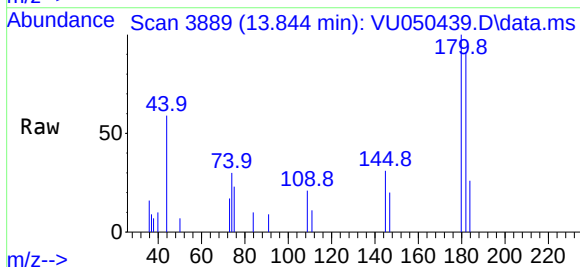


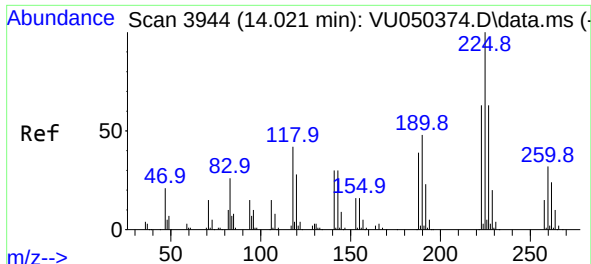
Tgt Ion:146 Resp: 688
Ion Ratio Lower Upper
146 100
111 72.8 22.1 66.1#
148 64.7 32.1 96.3



#87
1,2,4-Trichlorobenzene
Concen: 0.198 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion:180 Resp: 2622
Ion Ratio Lower Upper
180 100
182 93.5 77.0 115.6
145 30.1 25.7 38.5

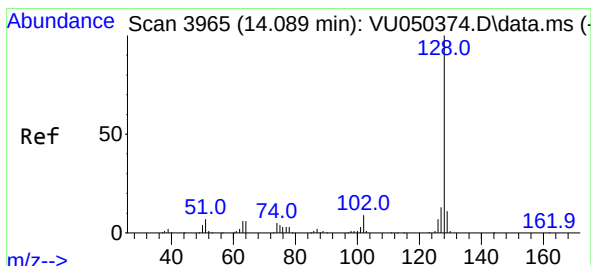
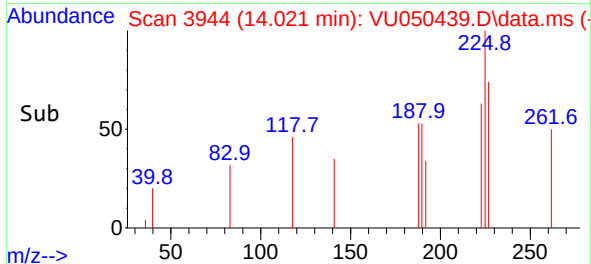
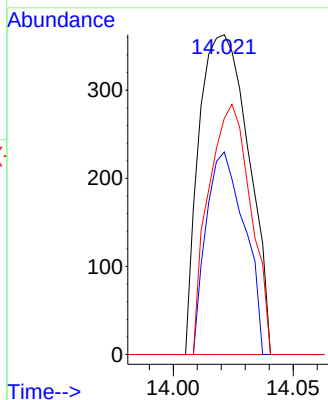
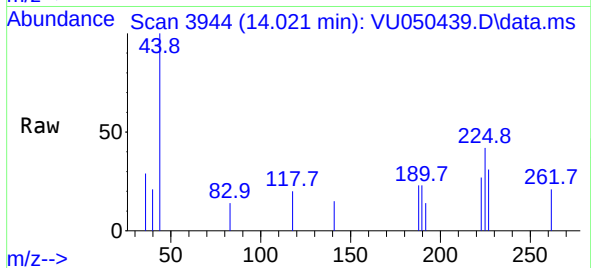




#88
Hexachlorobutadiene
Concen: 0.060 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.000 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

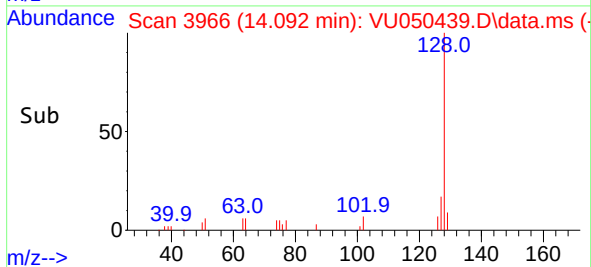
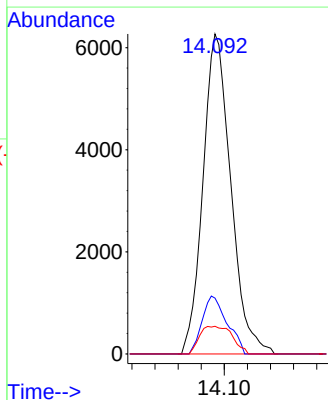
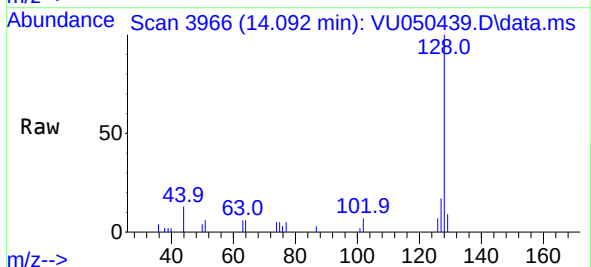
Instrument :
MSVOA_U
ClientSampleId :
VU0825WBL01

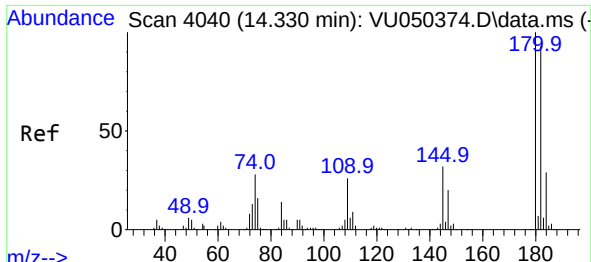
Tgt Ion:225 Resp: 521
Ion Ratio Lower Upper
225 100
223 49.1 50.6 76.0#
227 66.6 50.7 76.1



#89
Naphthalene
Concen: 1.224 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU050439.D
Acq: 25 Aug 2022 10:47

Tgt Ion:128 Resp: 10467
Ion Ratio Lower Upper
128 100
127 16.2 10.1 15.1#
129 10.1 8.6 12.8





#90

1,2,3-Trichlorobenzene

Concen: 0.657 ug/l

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU050439.D

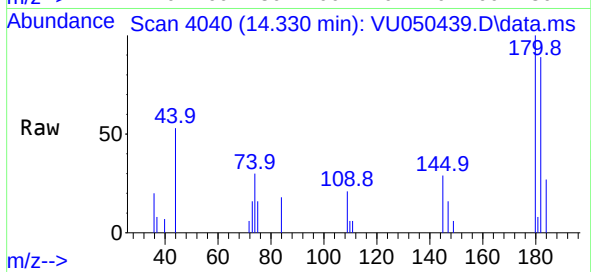
Acq: 25 Aug 2022 10:47

Instrument :

MSVOA_U

ClientSampleId :

VU0825WBL01



Tgt Ion:180 Resp: 2959

Ion Ratio Lower Upper

180 100

182 103.6 76.6 114.8

145 32.3 27.3 40.9

