

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047138.D
 Acq On : 14 Feb 2022 17:59
 Operator : SY/MD
 Sample : N1205-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 15 03:52:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	54248	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	20880	0.994	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	20919	0.956	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
3) Chloromethane	1.530	50	264	0.014	ug/l	# 42
4) Vinyl Chloride	1.610	62	278905	15.208	ug/l	98
5) Bromomethane	2.038	94	19	0.002	ug/l	# 3
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	300	0.024	ug/l	# 22
9) 1,1-Dichloroethene	2.588	96	144396	11.261	ug/l	99
11) Allyl Chloride	2.896	41	135	0.007	ug/l	99
12) Acrylonitrile	3.311	53	119	0.032	ug/l	# 22
13) Acetone	2.639	43	268	Below Cal	#	11
14) Carbon Disulfide	2.793	76	285	0.007	ug/l	# 95
15) Methylene Chloride	3.054	84	101390	7.040	ug/l	99
16) trans-1,2-Dichloroethene	3.359	96	106651	7.881	ug/l	99
18) 2-Butanone	4.726	43	183	0.048	ug/l	77
20) Methylcyclohexane	6.796	83	1799	0.071	ug/l	# 26
22) cis-1,2-Dichloroethene	4.674	96	110851	7.122	ug/l	85
23) Diethyl Ether	2.588	59	8209	0.792	ug/l	# 14
24) tert-Butyl Alcohol	3.359	59	5096	7.561	ug/l	# 81
25) Methyl tert-Butyl Ether	3.362	73	207	0.006	ug/l	# 56
27) Chloroform	5.095	83	2622	0.104	ug/l	93
28) 1,1,1-Trichloroethane	5.321	97	264747	12.155	ug/l	97
29) 1,1-Dichloropropene	5.780	75	11651	0.584	ug/l	# 1
30) Carbon Tetrachloride	5.530	117	120088	6.271	ug/l	98
32) Ethyl-t-butyl ether	4.671	59	3037	0.075	ug/l	# 34
33) Tert-Amyl methyl ether	5.777	73	11295	0.304	ug/l	# 58
35) Benzene	5.777	78	638543	11.428	ug/l	100
36) 1,2-Dichloroethane	5.800	62	342270	20.232	ug/l	100
37) Trichloroethene	6.546	130	151838	9.815	ug/l	95
38) 1,2-Dichloropropane	6.796	63	275459	18.629	ug/l	99
39) Methacrylonitrile	4.980	41	43	0.008	ug/l	# 20
40) Methyl acrylate	4.883	55	43	0.005	ug/l	# 1
41) Tetrahydrofuran	5.063	42	219	0.084	ug/l	# 28
44) Bromodichloromethane	7.108	83	678	0.036	ug/l	# 97
45) 4-Methyl-2-Pentanone	7.800	43	615	0.057	ug/l	# 41
46) t-1,4-Dichloro-2-butene	10.635	75	9882	2.105	ug/l	# 22
49) Toluene	7.973	92	598399	16.602	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	680	0.033	ug/l	# 80
51) cis-1,3-Dichloropropene	7.610	75	5217	0.228	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	165915	14.583	ug/l	99
54) 2-Hexanone	8.697	43	706	0.088	ug/l	# 31
58) Tetrachloroethene	8.555	164	135841	9.516	ug/l	98
59) Chlorobenzene	9.449	112	400946	9.977	ug/l	100
61) Pentachloroethane	11.324	117	40	0.004	ug/l	# 12
63) Ethyl Benzene	9.574	91	512432	7.254	ug/l	99
64) m/p-Xylenes	9.697	106	317030	11.773	ug/l	97

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

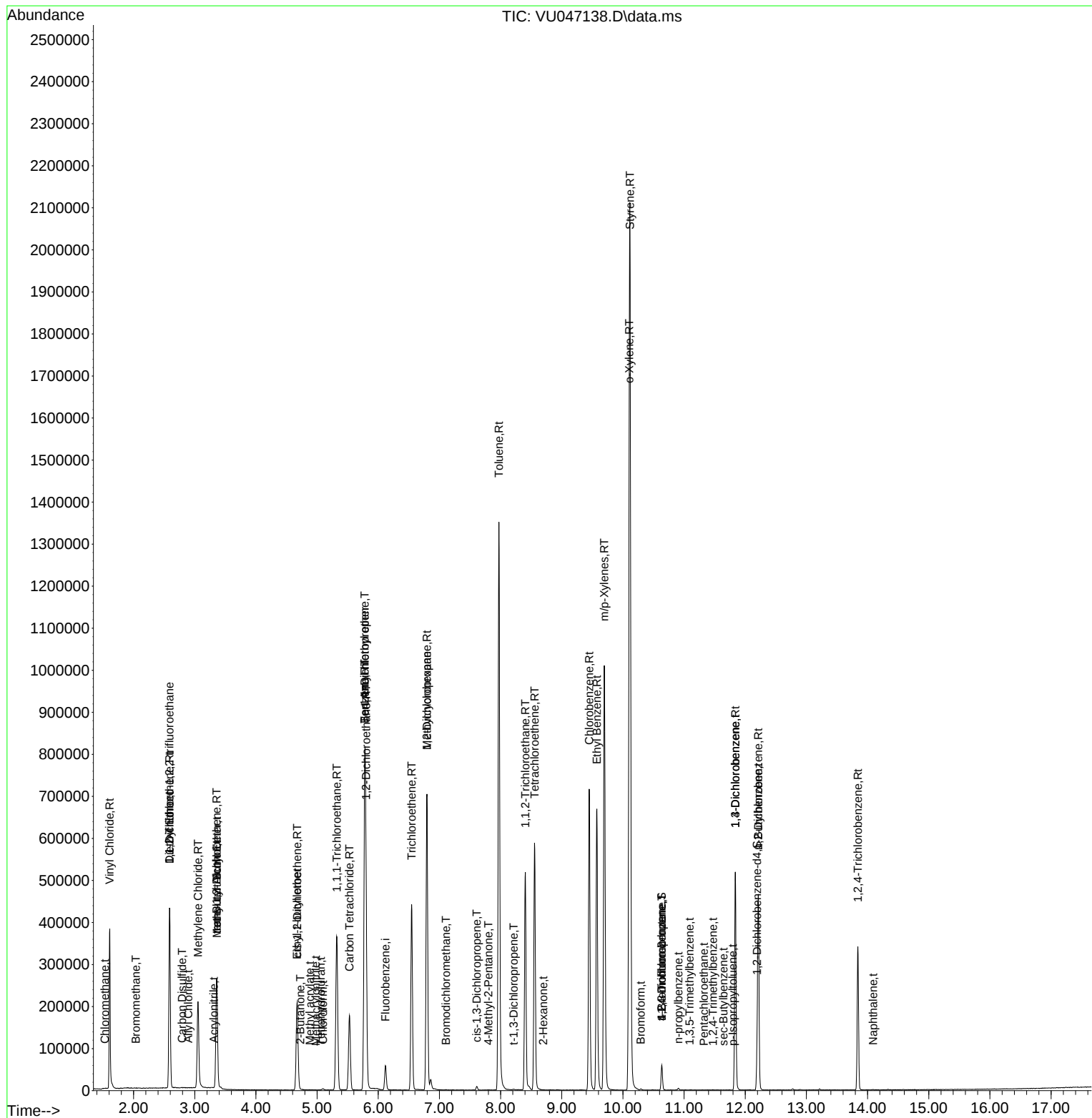
65) o-Xylene	10.102	106	306968	11.768	ug/l	96
66) Styrene	10.118	104	798377	18.033	ug/l	95
67) Bromoform	10.291	173	1169	0.133	ug/l #	95
71) 1,2,3-Trichloropropane	10.635	75	9882	0.761	ug/l #	36
73) n-propylbenzene	10.909	120	571	0.030	ug/l #	31
75) 1,3,5-Trimethylbenzene	11.092	105	117	0.002	ug/l #	29
78) 1,2,4-Trimethylbenzene	11.475	105	244	0.004	ug/l #	59
79) sec-Butylbenzene	11.645	105	62	0.001	ug/l #	58
81) p-Isopropyltoluene	11.793	119	140	0.002	ug/l #	50
82) 1,3-Dichlorobenzene	11.838	146	215131	6.450	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	215131	6.403	ug/l	99
84) n-Butylbenzene	12.214	91	456	0.007	ug/l #	33
85) 1,2-Dichlorobenzene	12.214	146	184792	5.756	ug/l	98
87) 1,2,4-Trichlorobenzene	13.841	180	106744	4.234	ug/l	98
89) Naphthalene	14.092	128	820	0.016	ug/l #	69

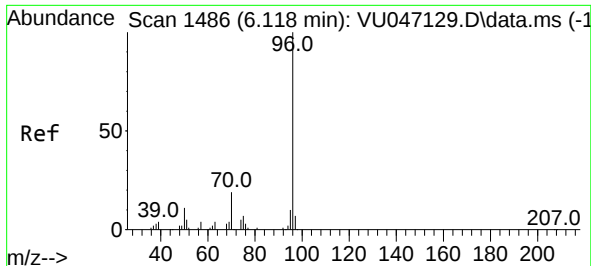
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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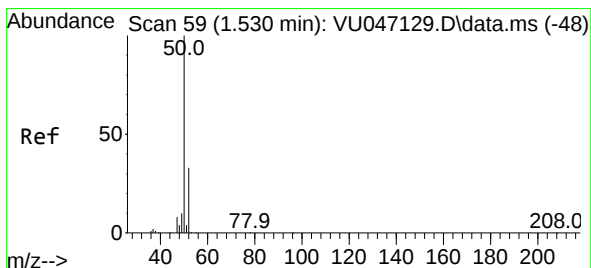
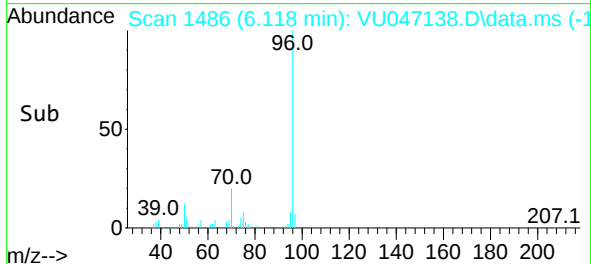
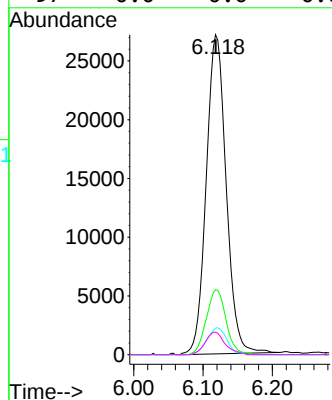
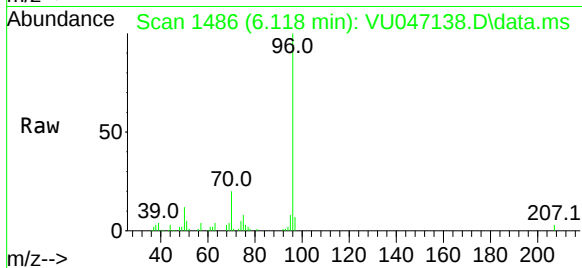




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

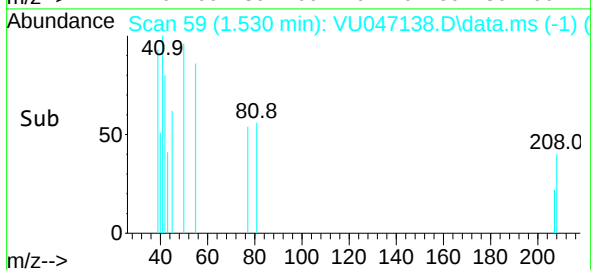
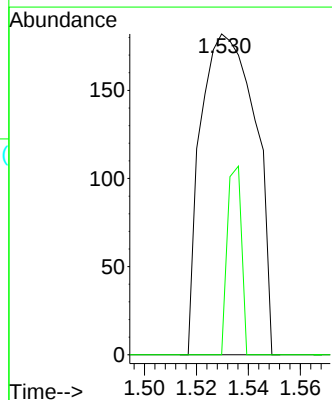
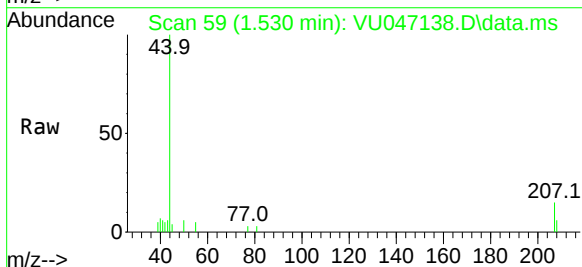
Instrument :
MSVOA_U
ClientSampleId :

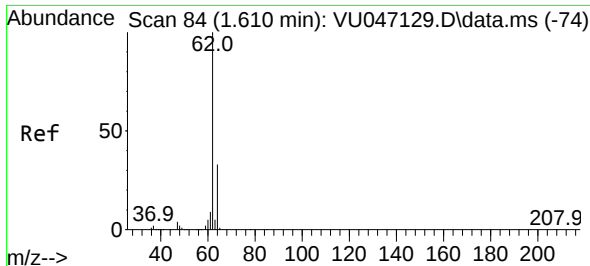
Tgt Ion: 96	Resp: 54248
Ion Ratio	Lower Upper
96 100	
70 20.2	16.8 25.2
95 8.5	7.3 10.9
97 0.0	0.0 0.0



#3
Chloromethane
Concen: 0.014 ug/l
RT: 1.530 min Scan# 59
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 50	Resp: 264		
Ion Ratio	Lower	Upper	
50 100			
52 0.0	26.2	39.4#	

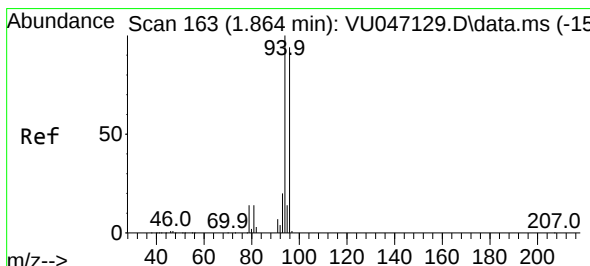
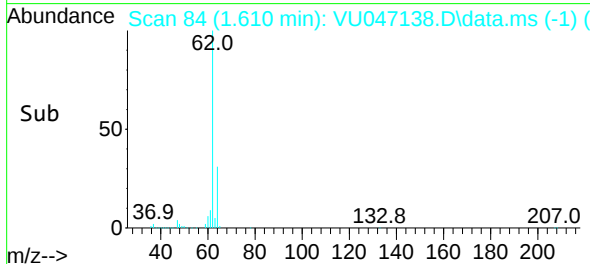
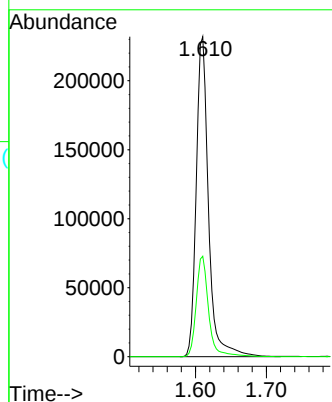
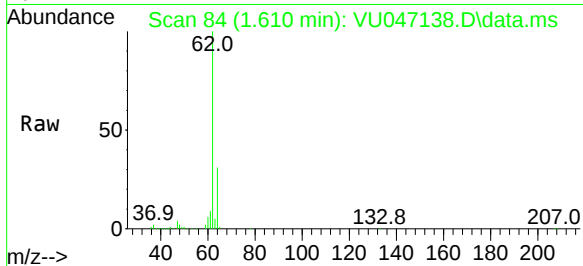




#4
 Vinyl Chloride
 Concen: 15.208 ug/l
 RT: 1.610 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

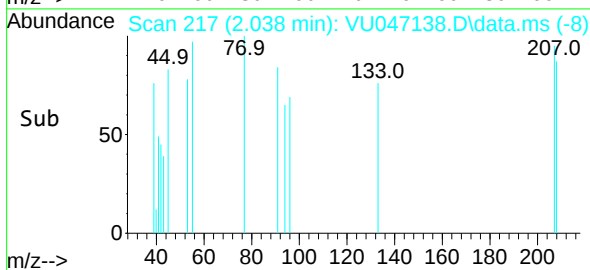
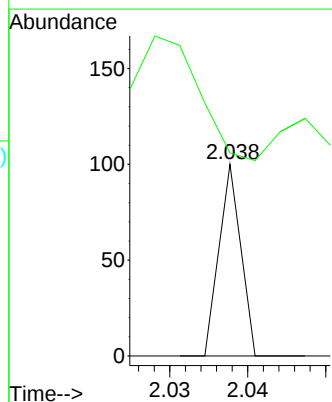
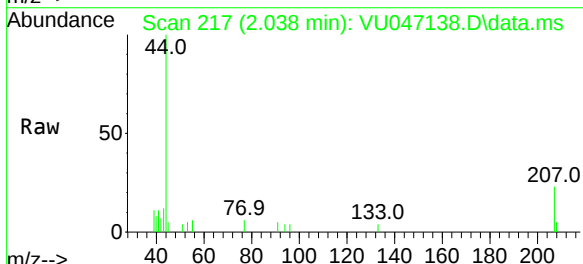
Instrument :
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 ClientSampleId :

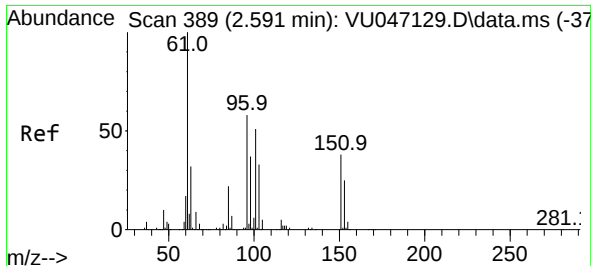
Tgt Ion: 62 Resp: 278905
 Ion Ratio Lower Upper
 62 100
 64 31.4 26.0 39.0



#5
 Bromomethane
 Concen: 0.002 ug/l
 RT: 2.038 min Scan# 217
 Delta R.T. 0.174 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

Tgt Ion: 94 Resp: 19
 Ion Ratio Lower Upper
 94 100
 96 0.0 75.0 112.4#

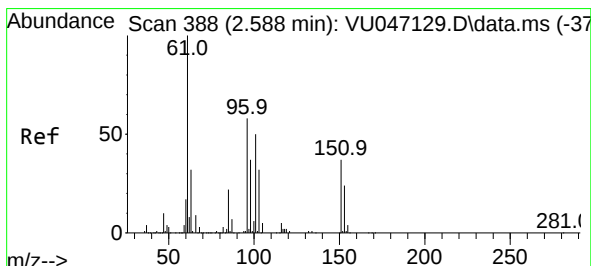
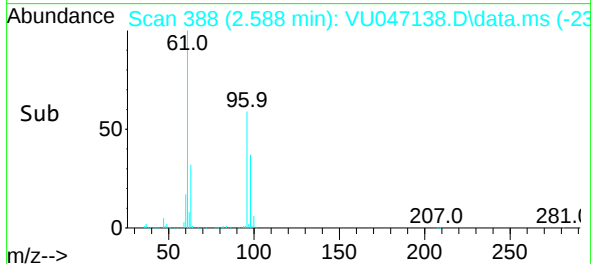
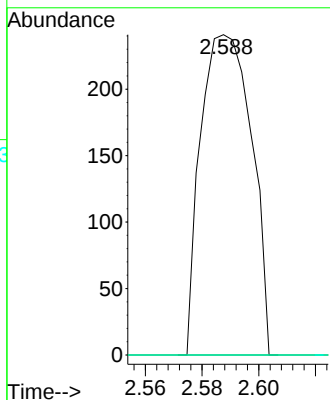
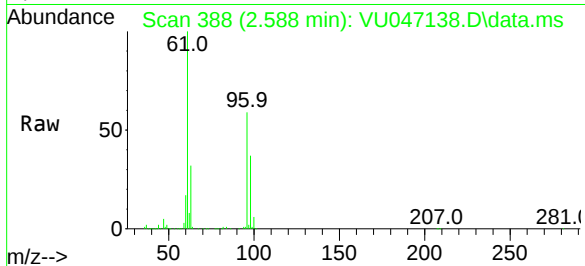




#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.024 ug/l
 RT: 2.588 min Scan# 388
 Delta R.T. -0.003 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

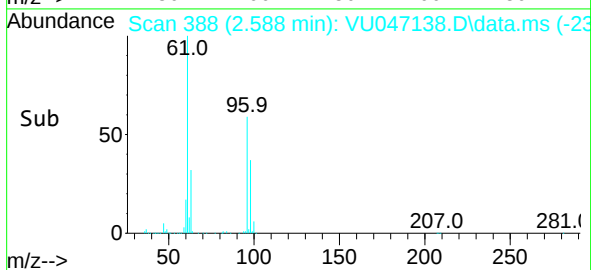
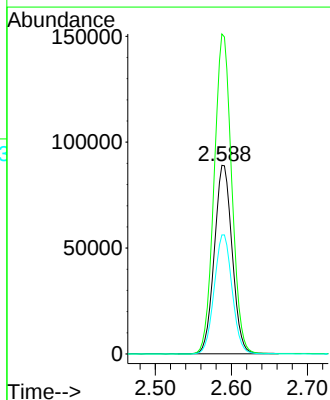
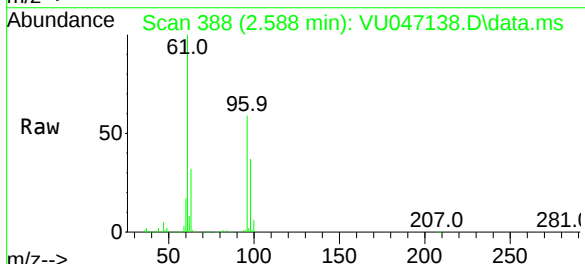
Instrument :
 MSVOA_U
 ClientSampleId :

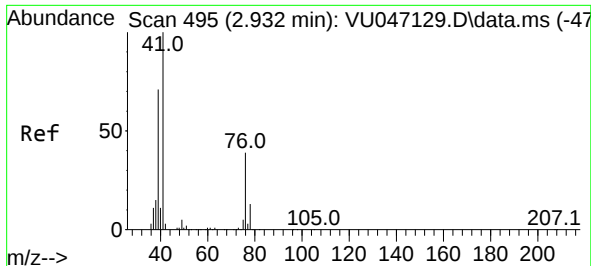
Tgt Ion:101 Resp: 300
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.8 53.6#
 151 0.0 54.6 81.8#



#9
 1,1-Dichloroethene
 Concen: 11.261 ug/l
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

Tgt Ion: 96 Resp: 144396
 Ion Ratio Lower Upper
 96 100
 61 169.9 0.0 514.2
 98 63.2 0.0 126.4





#11

Allyl Chloride

Concen: 0.007 ug/l

RT: 2.896 min Scan# 41

Delta R.T. -0.035 min

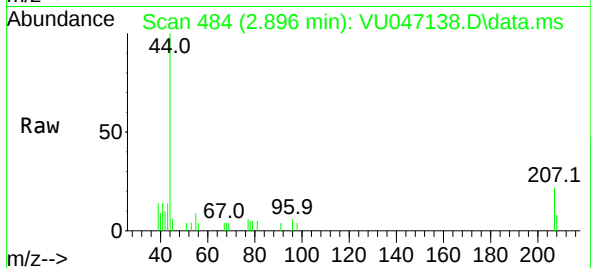
Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

ClientSampleId :

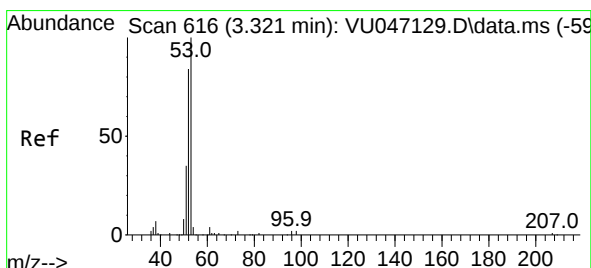
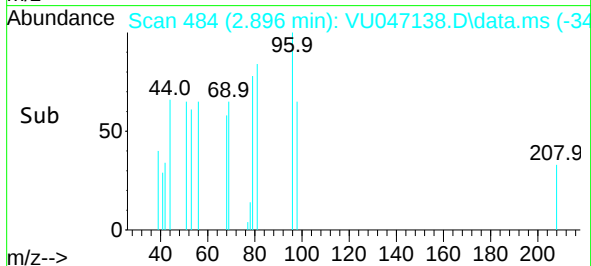
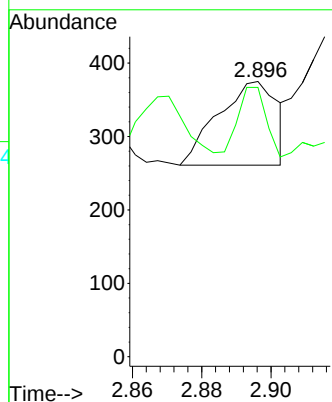


Tgt Ion: 41 Resp: 135

Ion Ratio Lower Upper

41 100

39 77.0 62.4 93.6



#12

Acrylonitrile

Concen: 0.032 ug/l

RT: 3.311 min Scan# 613

Delta R.T. -0.010 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

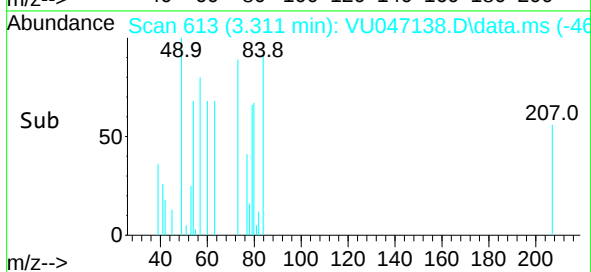
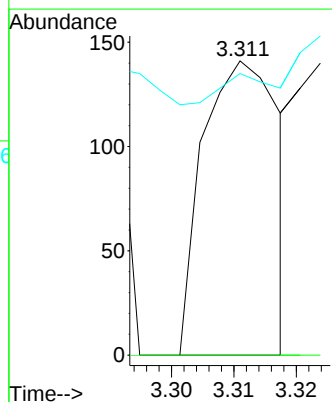
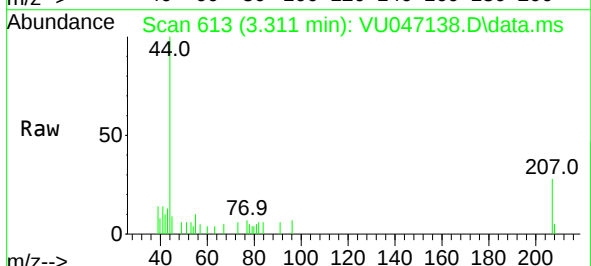
Tgt Ion: 53 Resp: 119

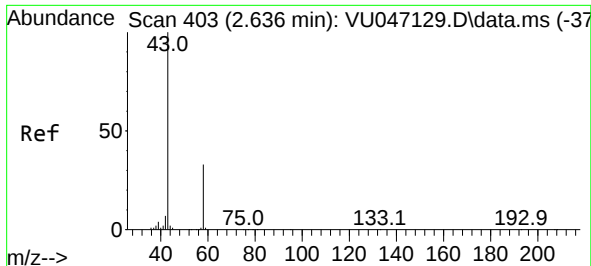
Ion Ratio Lower Upper

53 100

52 0.0 56.7 85.1#

51 0.0 30.3 45.5#

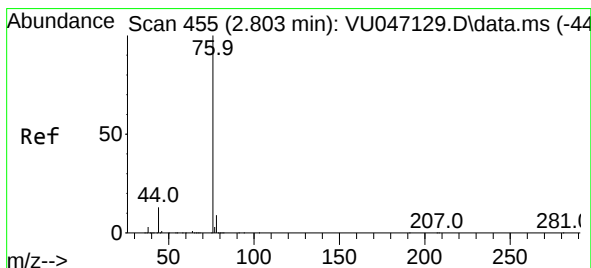
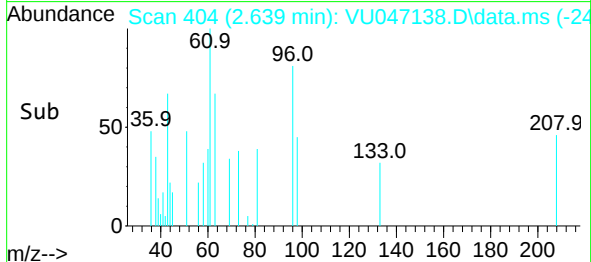
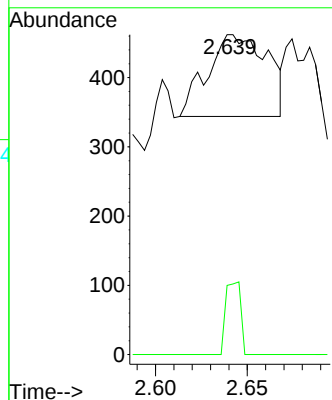
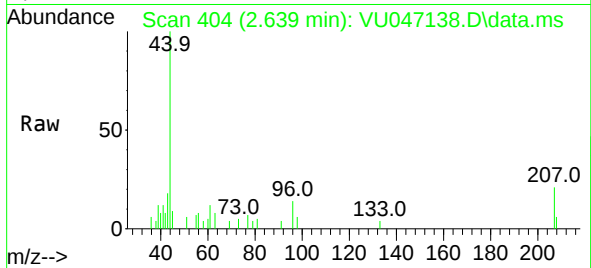




#13
Acetone
Concen: Below Cal
RT: 2.639 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU047138.D
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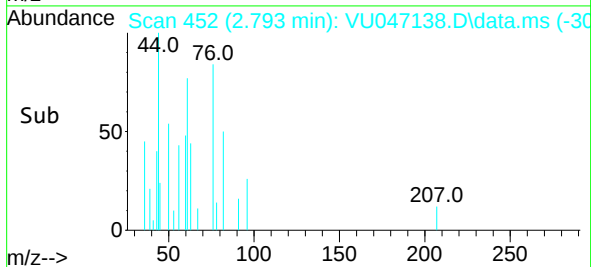
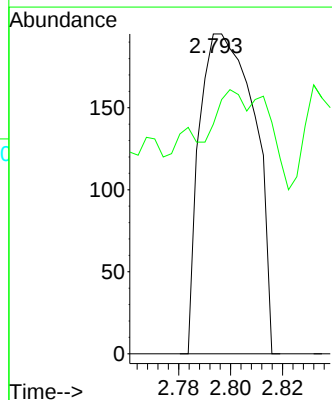
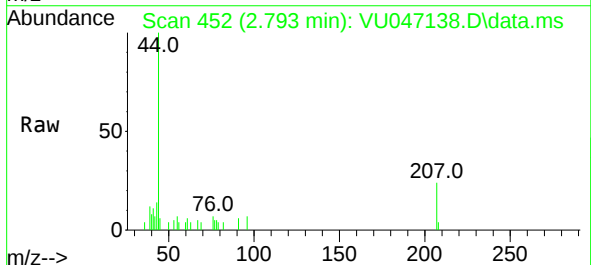
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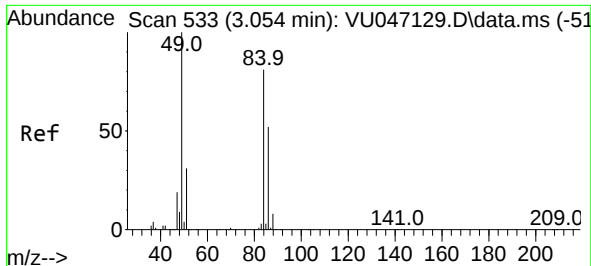
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Ion Ratio Lower Upper
43 100
58 84.7 27.1 40.7#



#14
Carbon Disulfide
Concen: 0.007 ug/l
RT: 2.793 min Scan# 452
Delta R.T. -0.010 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

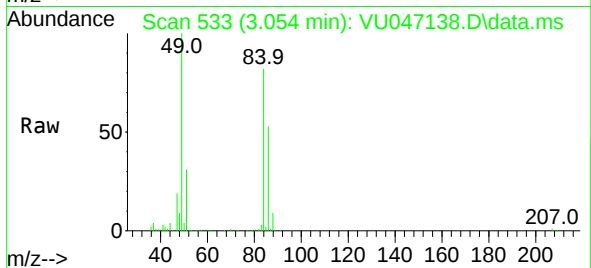
Tgt Ion: 76 Resp: 285
Ion Ratio Lower Upper
76 100
78 10.8 7.1 10.7#



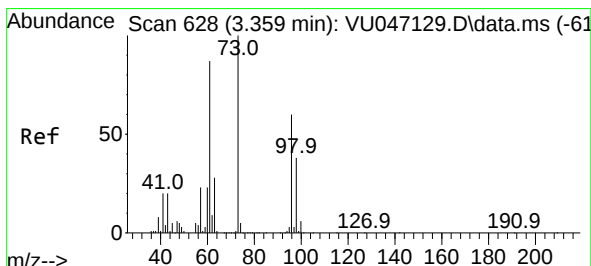
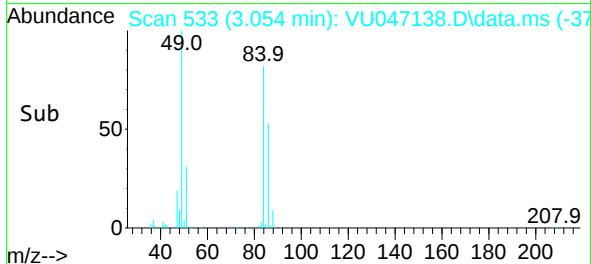
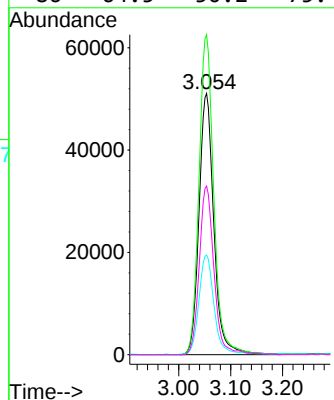


#15
Methylene Chloride
Concen: 7.040 ug/l
RT: 3.054 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Instrument :
MSVOA_U
ClientSampleId :

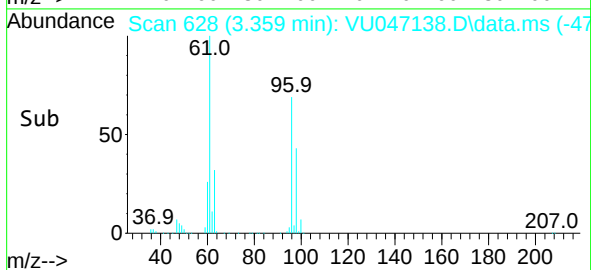
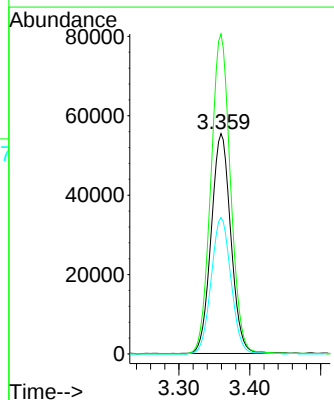
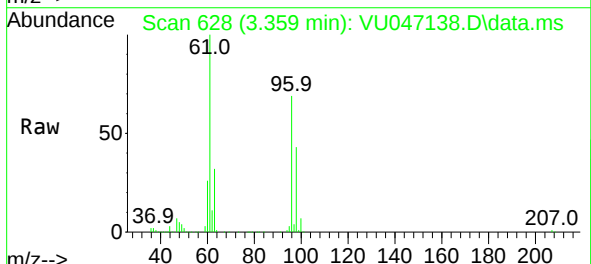


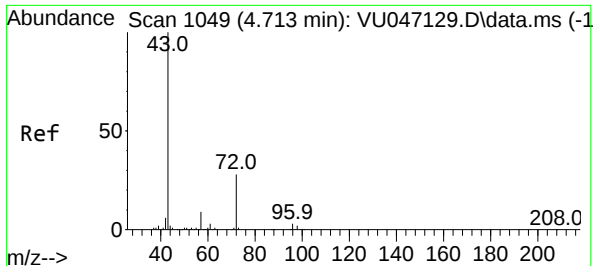
Tgt Ion: 84 Resp: 101390
Ion Ratio Lower Upper
84 100
49 122.5 97.2 145.8
51 37.9 0.0 73.4
86 64.5 50.2 75.4



#16
trans-1,2-Dichloroethene
Concen: 7.881 ug/l
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 96 Resp: 106651
Ion Ratio Lower Upper
96 100
61 145.6 115.8 173.6
98 62.1 51.1 76.7

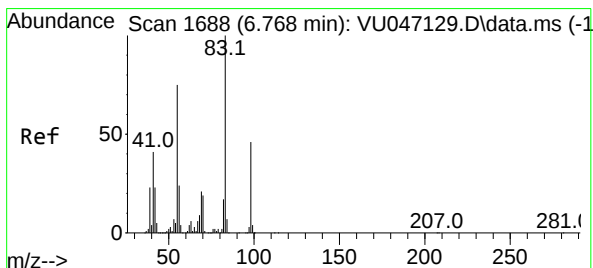
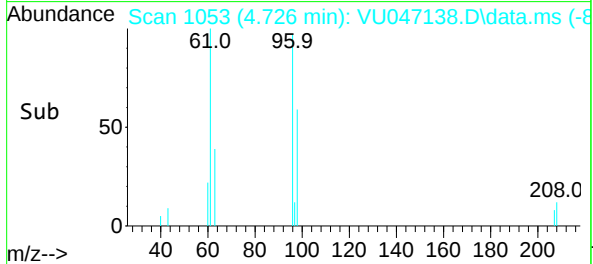
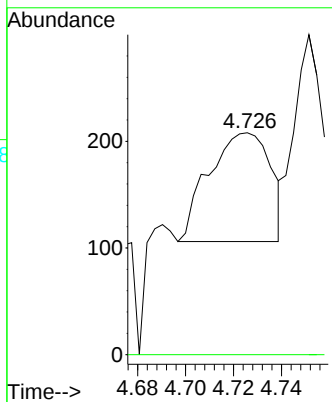
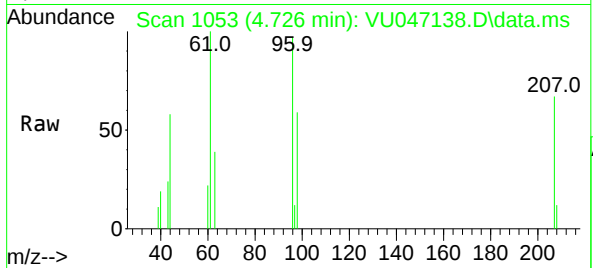




#18
2-Butanone
Concen: 0.048 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.013 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

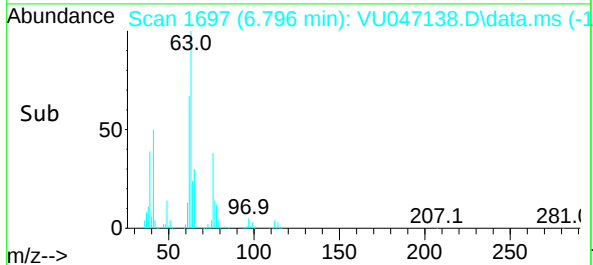
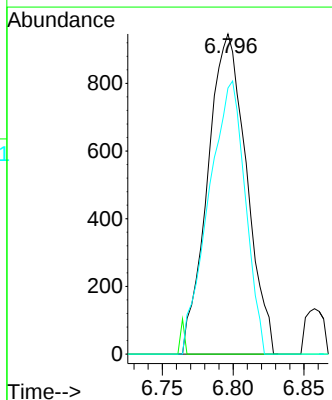
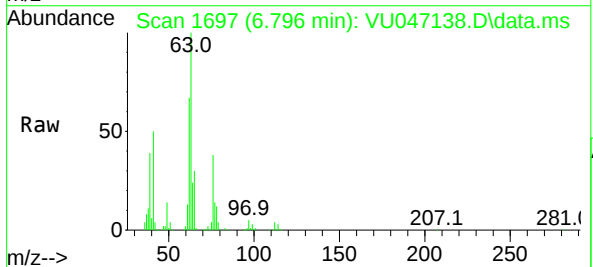
Instrument :
MSVOA_U
ClientSampleId :

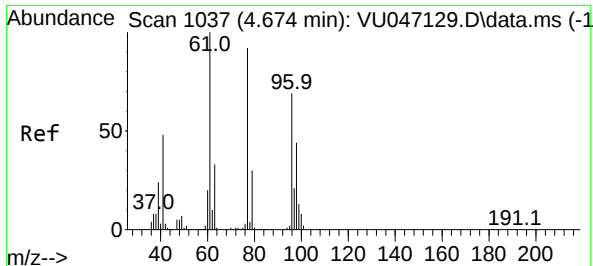
Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
57 0.0 0.0 16.6



#20
Methylcyclohexane
Concen: 0.071 ug/l
RT: 6.796 min Scan# 1697
Delta R.T. 0.029 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 83 Resp: 1799
Ion Ratio Lower Upper
83 100
55 1.1 61.9 92.9#
98 80.3 37.4 56.2#

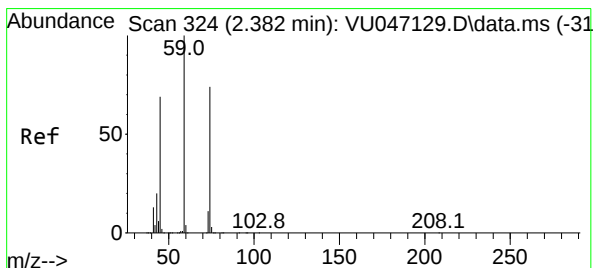
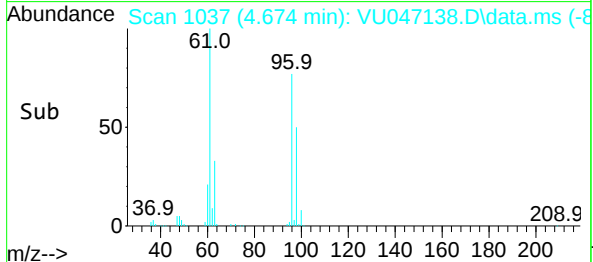
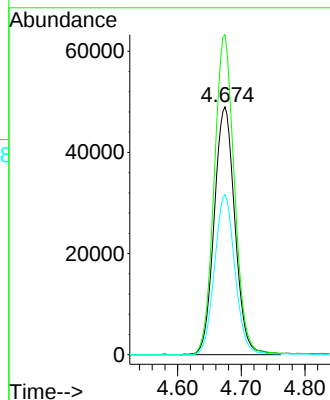
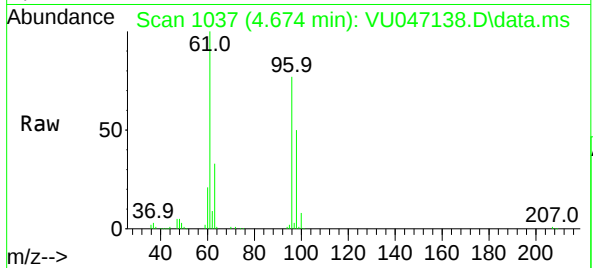




#22
 cis-1,2-Dichloroethene
 Concen: 7.122 ug/l
 RT: 4.674 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

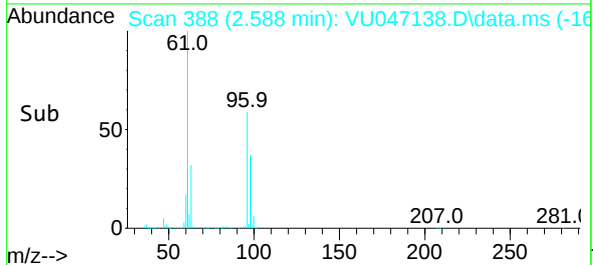
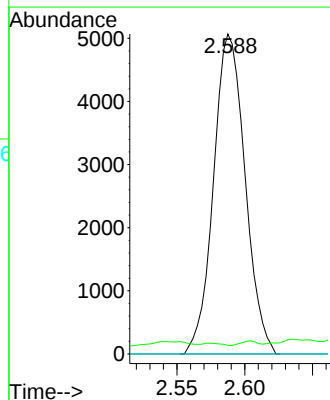
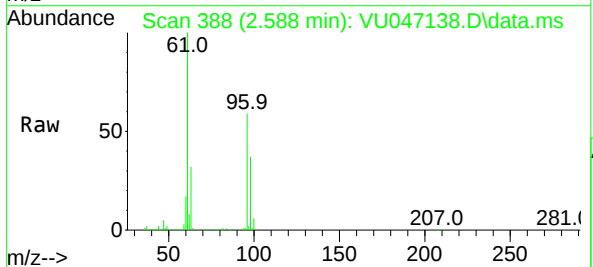
Instrument :
 MSVOA_U
 ClientSampleId :

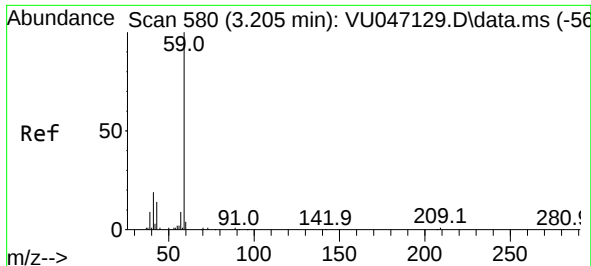
Tgt Ion: 96 Resp: 110851
 Ion Ratio Lower Upper
 96 100
 61 126.3 0.0 385.3
 98 63.7 32.1 96.3



#23
 Diethyl Ether
 Concen: 0.792 ug/l
 RT: 2.588 min Scan# 388
 Delta R.T. 0.206 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

Tgt Ion: 59 Resp: 8209
 Ion Ratio Lower Upper
 59 100
 45 0.4 55.6 83.4#
 74 0.0 58.1 87.1#

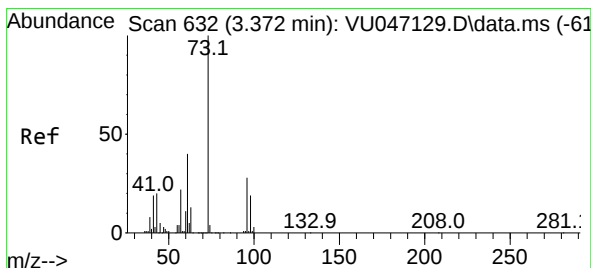
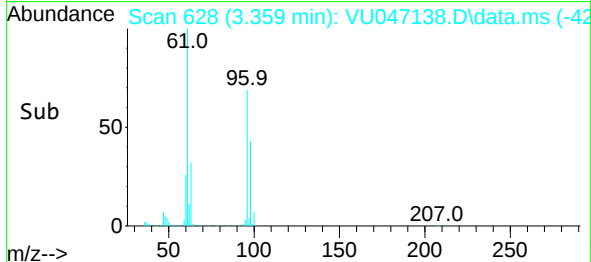
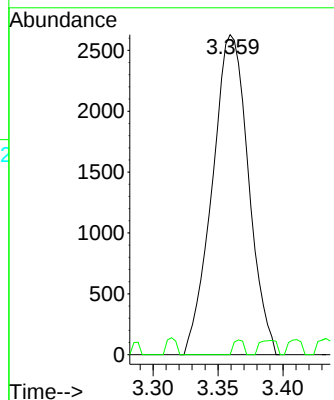
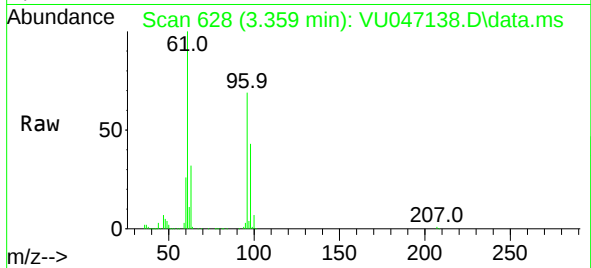




#24
tert-Butyl Alcohol
Concen: 7.561 ug/l
RT: 3.359 min Scan# 61
Delta R.T. 0.154 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

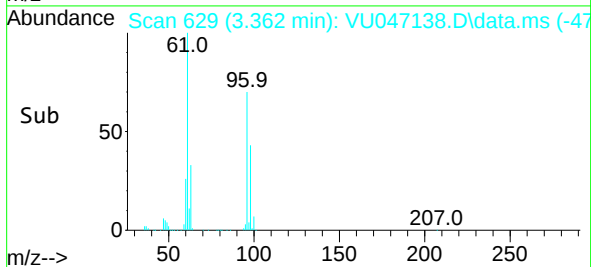
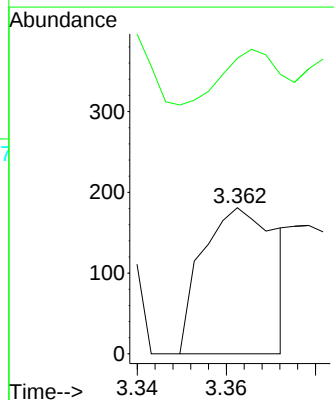
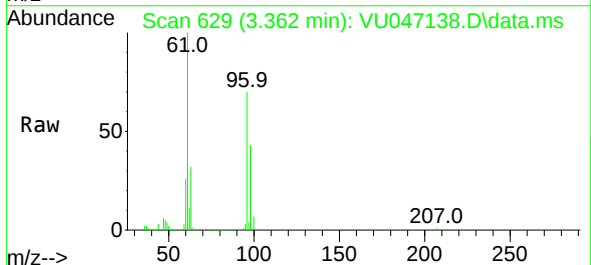
Instrument :
MSVOA_U
ClientSampleId :

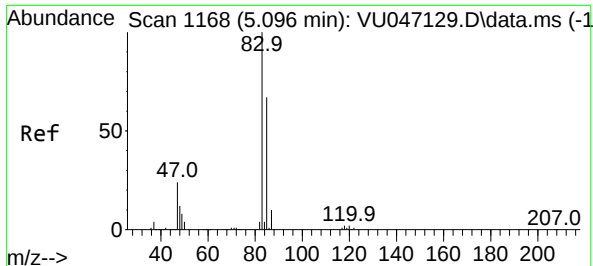
Tgt Ion: 59 Resp: 5096
Ion Ratio Lower Upper
59 100
57 1.3 6.5 9.7#



#25
Methyl tert-Butyl Ether
Concen: 0.006 ug/l
RT: 3.362 min Scan# 629
Delta R.T. -0.010 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 73 Resp: 207
Ion Ratio Lower Upper
73 100
43 0.0 16.3 24.5#





#27

Chloroform

Concen: 0.104 ug/l

RT: 5.095 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

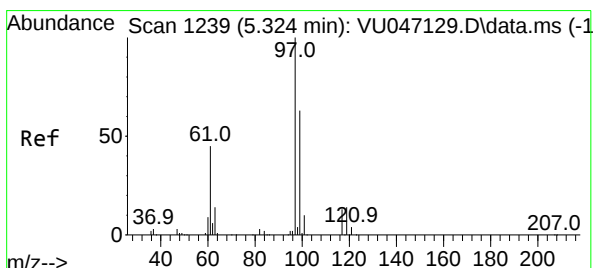
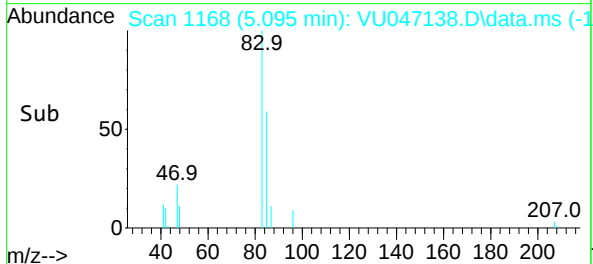
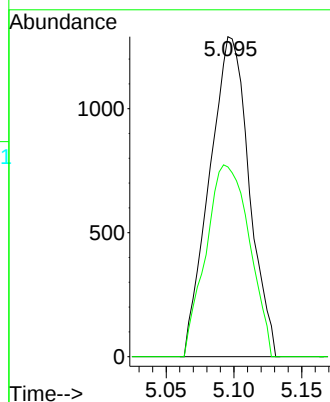
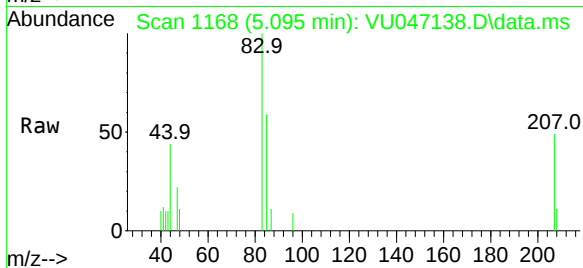
ClientSampleId :

Tgt Ion: 83 Resp: 2622

Ion Ratio Lower Upper

83 100

85 59.3 0.0 129.2



#28

1,1,1-Trichloroethane

Concen: 12.155 ug/l

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

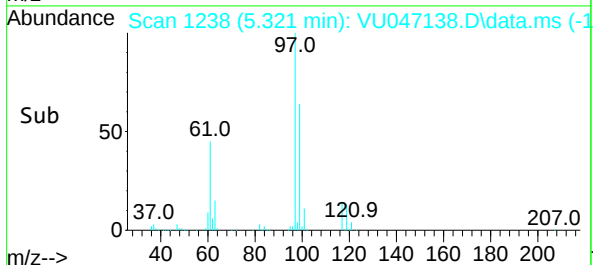
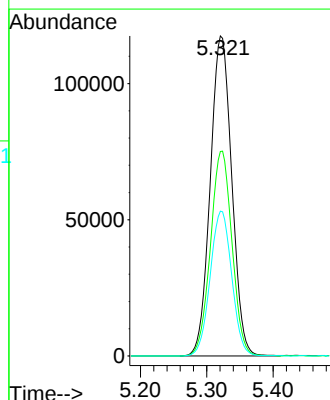
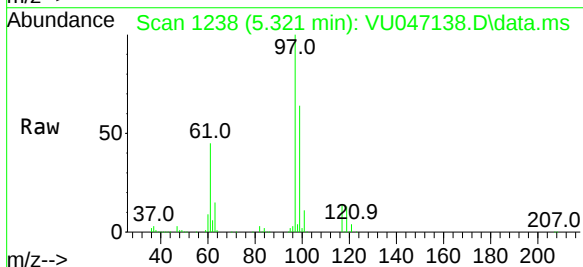
Tgt Ion: 97 Resp: 264747

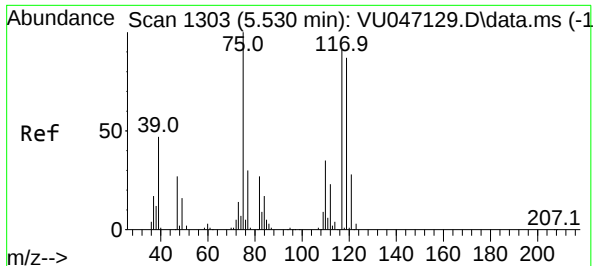
Ion Ratio Lower Upper

97 100

99 64.1 32.2 96.6

61 45.3 24.5 73.5





#29

1,1-Dichloropropene

Concen: 0.584 ug/l

RT: 5.780 min Scan# 11

Delta R.T. 0.251 min

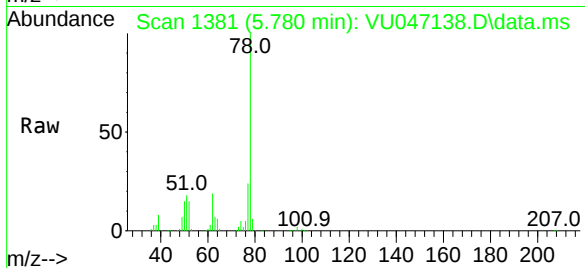
Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

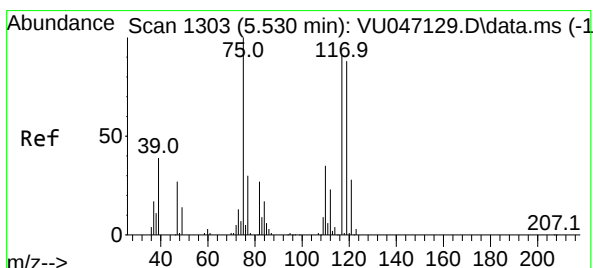
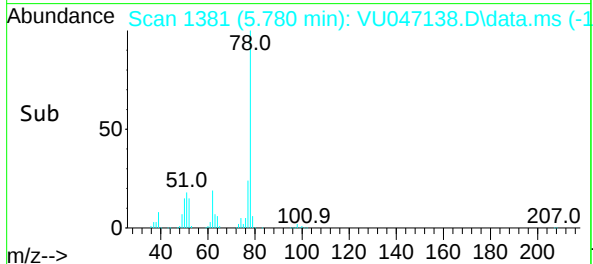
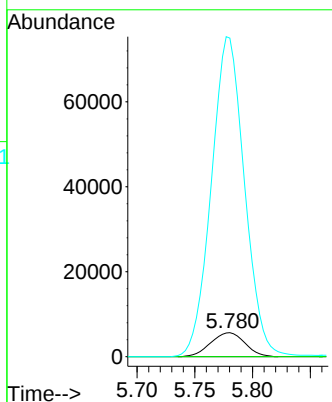
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	75	Resp:	11651
Ion Ratio	Lower	Upper	
75	100		
110	0.0	16.8	50.3#
77	1295.7	24.7	37.1#



#30

Carbon Tetrachloride

Concen: 6.271 ug/l

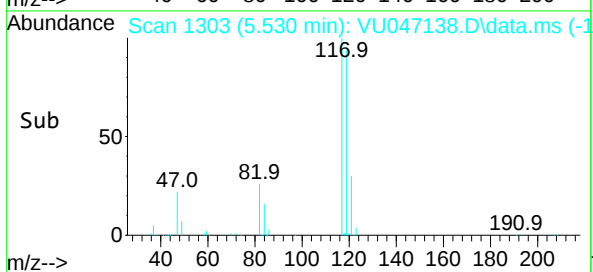
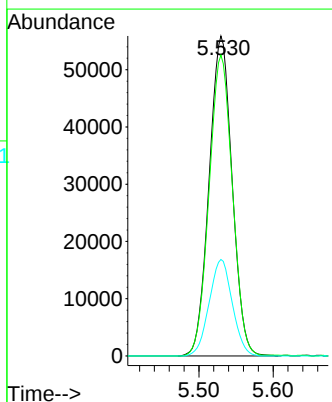
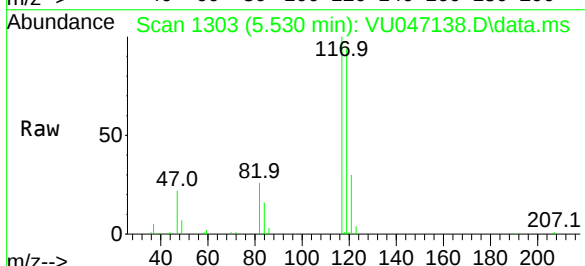
RT: 5.530 min Scan# 1303

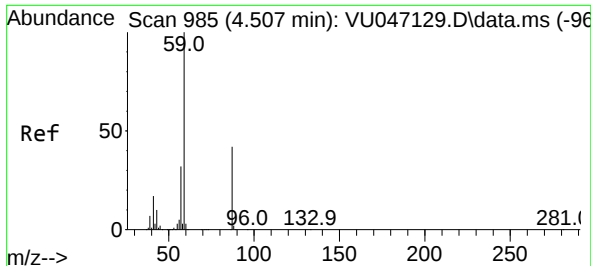
Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Tgt Ion:	117	Resp:	120088
Ion Ratio	Lower	Upper	
117	100		
119	94.0	76.8	115.2
121	30.2	24.6	37.0

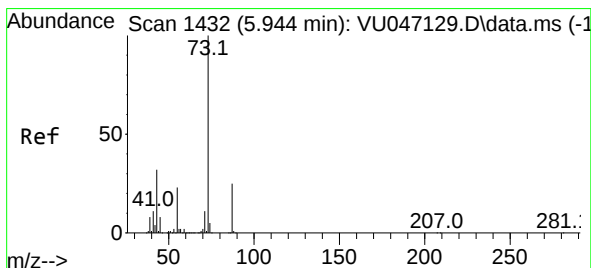
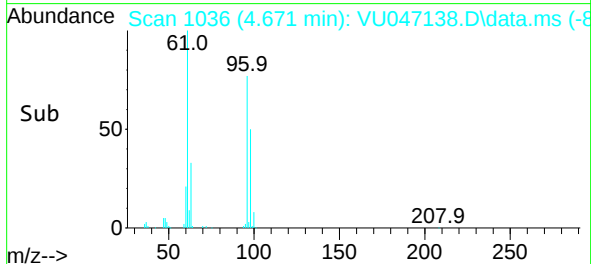
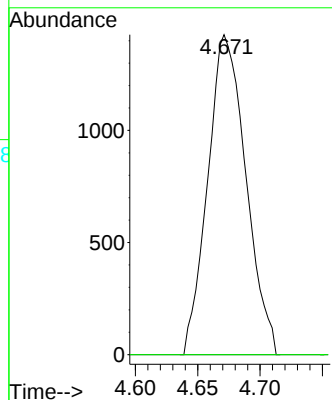
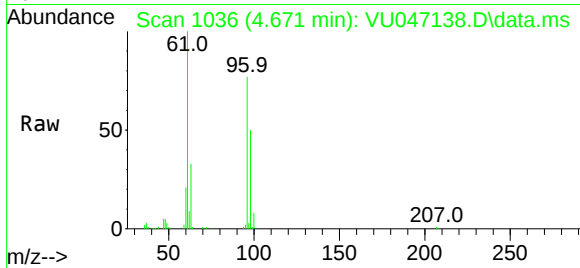




#32
Ethyl-t-butyl ether
Concen: 0.075 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.164 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

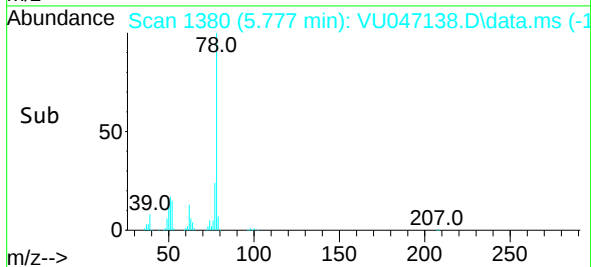
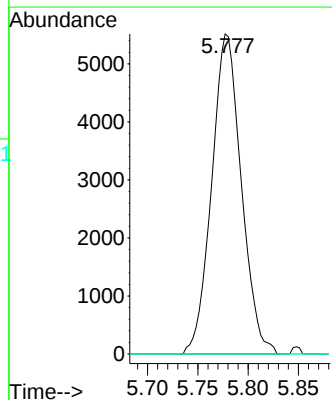
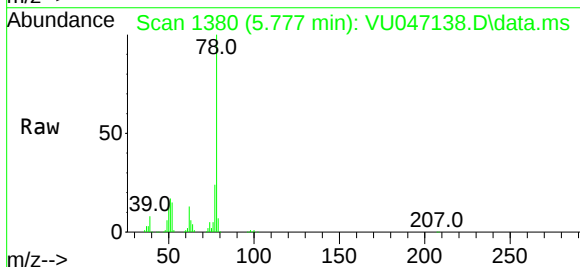
Instrument :
MSVOA_U
ClientSampleId :

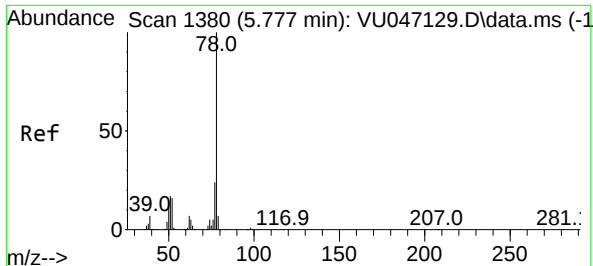
Tgt Ion: 59 Resp: 3037
Ion Ratio Lower Upper
59 100
87 0.0 32.7 49.1#



#33
Tert-Amyl methyl ether
Concen: 0.304 ug/l
RT: 5.777 min Scan# 1380
Delta R.T. -0.167 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 73 Resp: 11295
Ion Ratio Lower Upper
73 100
87 0.0 18.6 28.0#
71 0.0 9.0 13.6#

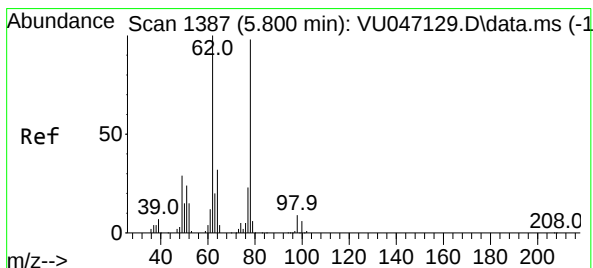
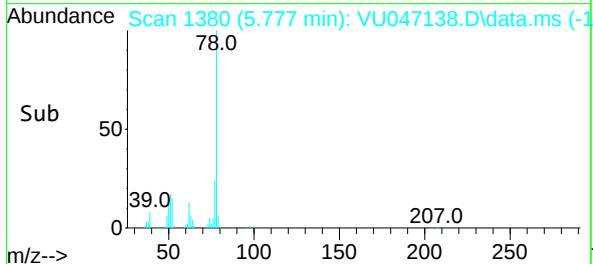
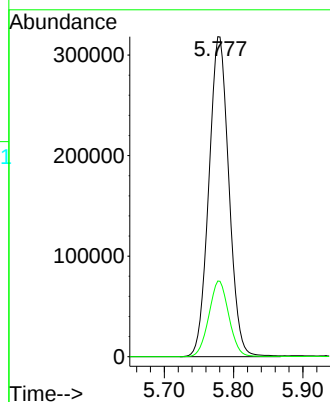
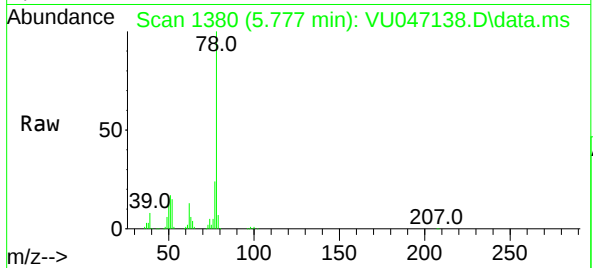




#35
Benzene
Concen: 11.428 ug/l
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

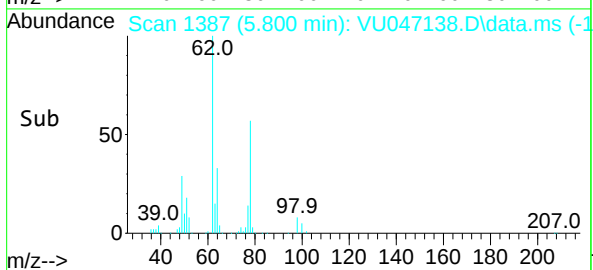
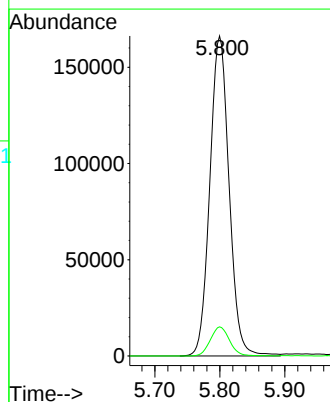
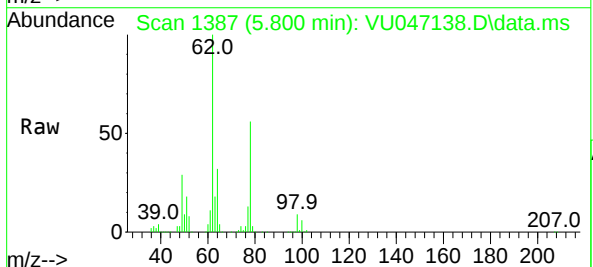
Instrument :
MSVOA_U
ClientSampleId :

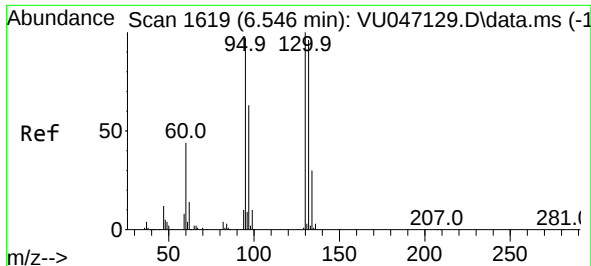
Tgt Ion: 78 Resp: 638543
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7



#36
1,2-Dichloroethane
Concen: 20.232 ug/l
RT: 5.800 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 62 Resp: 342270
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9





#37

Trichloroethene

Concen: 9.815 ug/l

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

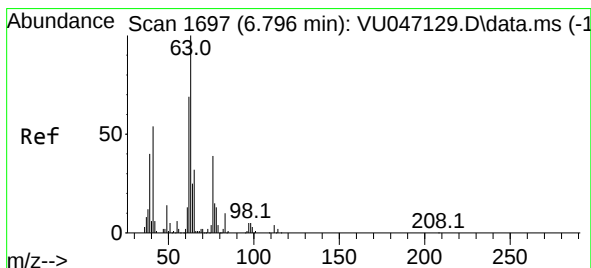
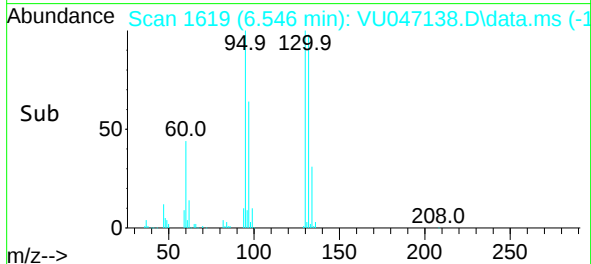
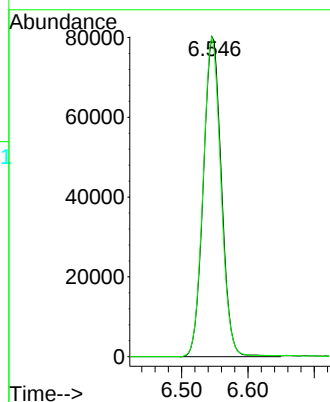
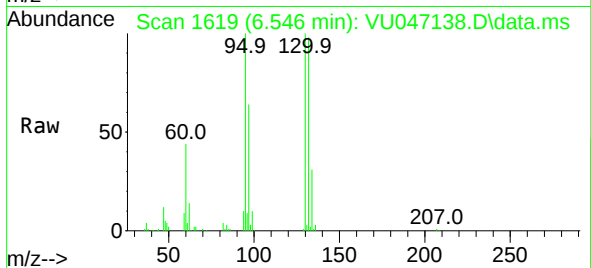
ClientSampleId :

Tgt Ion:130 Resp: 151838

Ion Ratio Lower Upper

130 100

95 99.8 83.8 125.8



#38

1,2-Dichloropropane

Concen: 18.629 ug/l

RT: 6.796 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VU047138.D

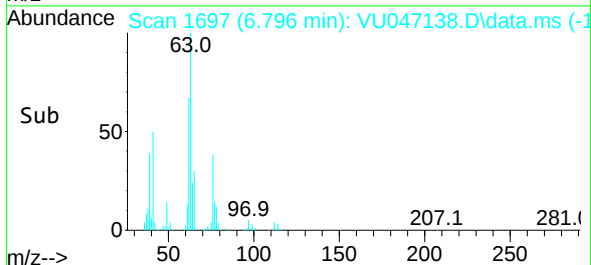
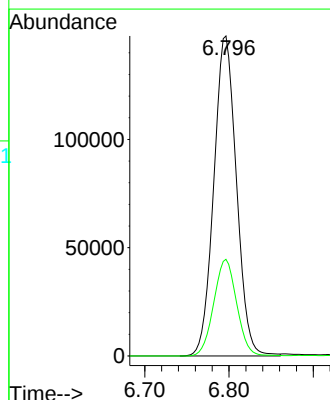
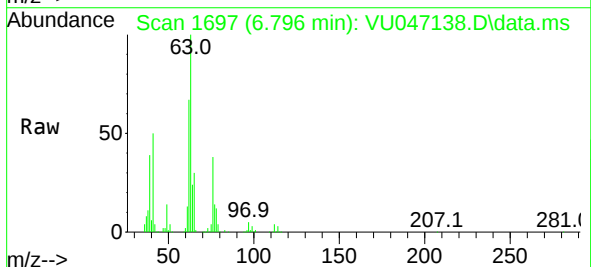
Acq: 14 Feb 2022 17:59

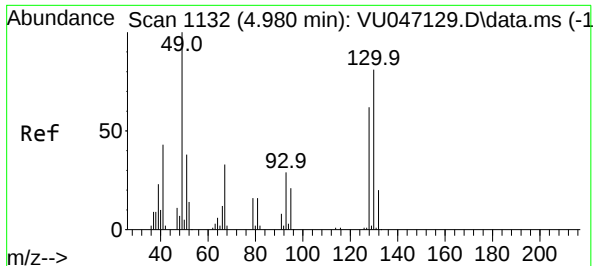
Tgt Ion: 63 Resp: 275459

Ion Ratio Lower Upper

63 100

65 30.2 24.7 37.1





#39

Methacrylonitrile

Concen: 0.008 ug/l

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

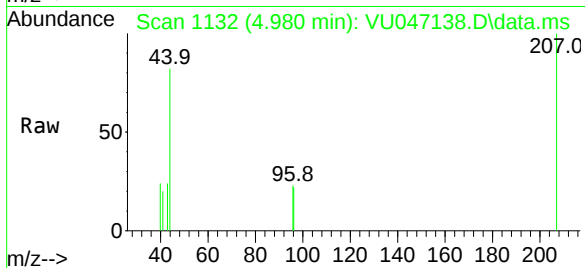
Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 41 Resp: 43

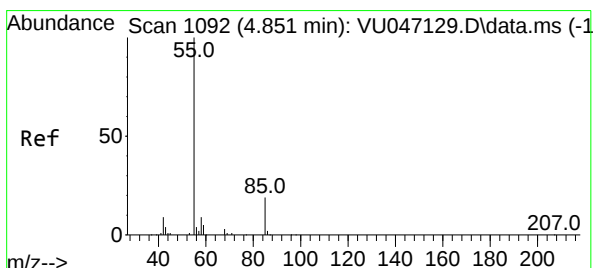
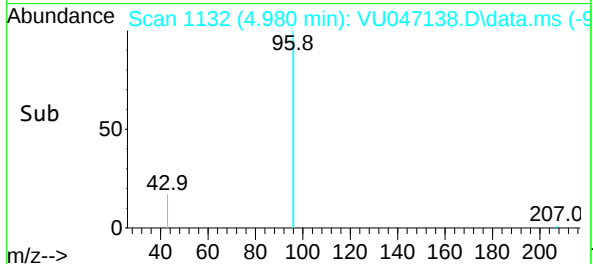
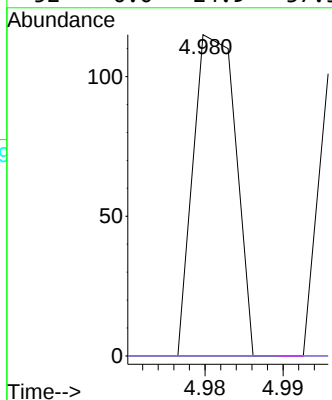
Ion Ratio Lower Upper

41 100

67 0.0 65.2 97.8#

39 0.0 43.0 64.6#

52 0.0 24.9 37.3#



#40

Methyl acrylate

Concen: 0.005 ug/l

RT: 4.883 min Scan# 1102

Delta R.T. 0.032 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Tgt Ion: 55 Resp: 43

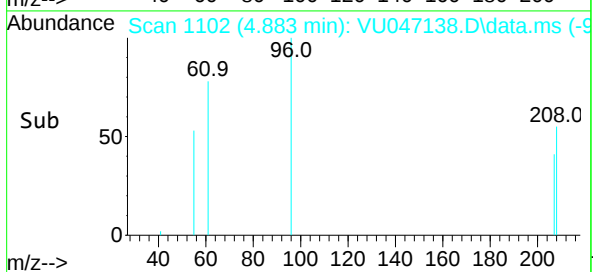
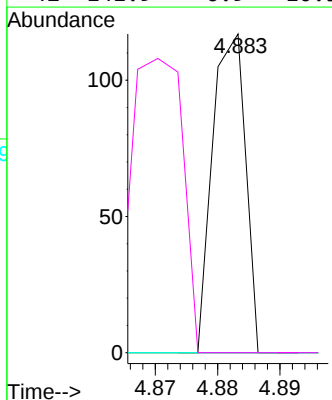
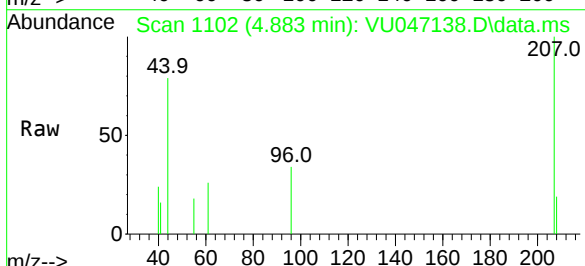
Ion Ratio Lower Upper

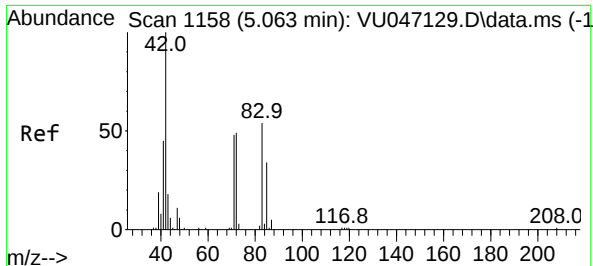
55 100

85 0.0 12.2 18.2#

58 0.0 6.7 10.1#

42 141.9 6.9 10.3#





#41

Tetrahydrofuran

Concen: 0.084 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. -0.000 min

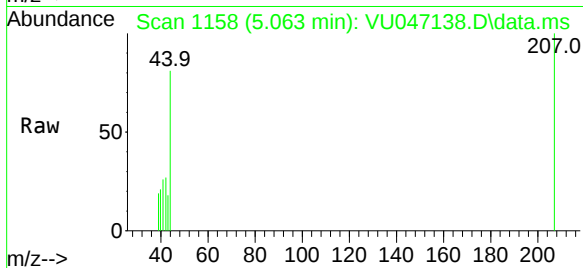
Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

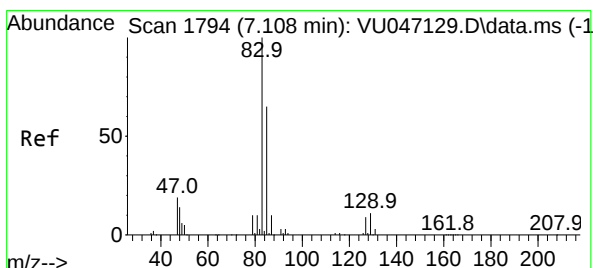
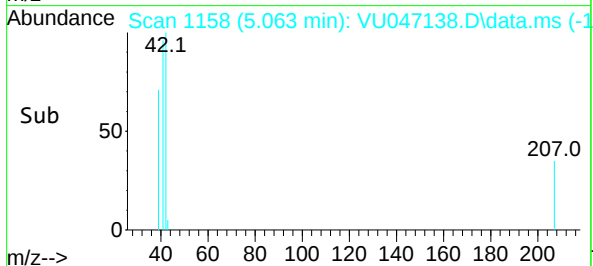
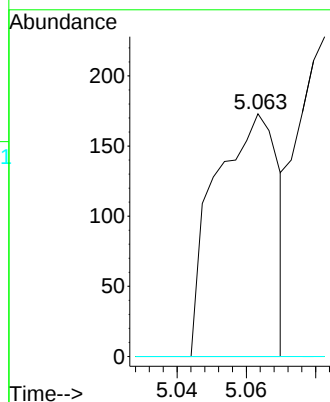
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	42	Resp:	219
Ion Ratio	Lower	Upper	
42	100		
72	0.0	42.4	63.6#
71	0.0	36.4	54.6#



#44

Bromodichloromethane

Concen: 0.036 ug/l

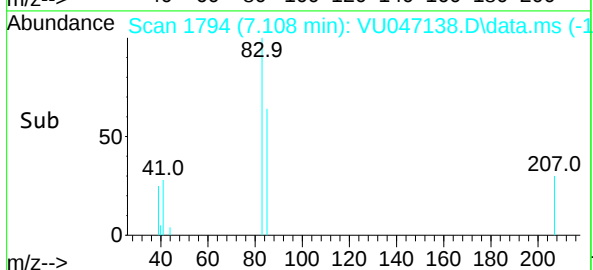
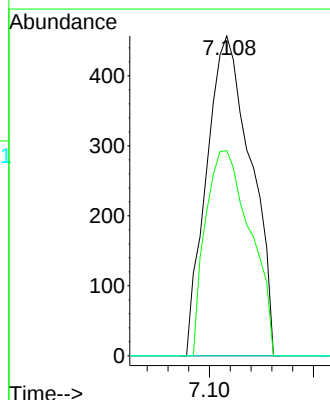
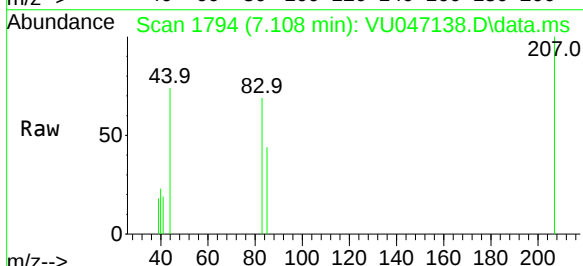
RT: 7.108 min Scan# 1794

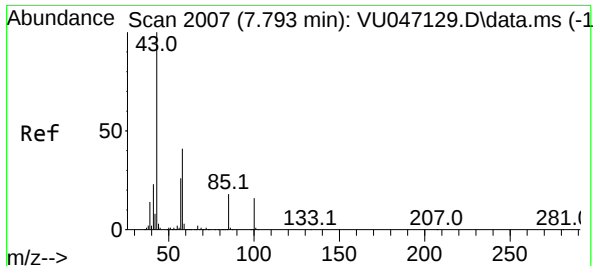
Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Tgt Ion:	83	Resp:	678
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.9	76.3
127	0.0	6.0	9.0#





#45

4-Methyl-2-Pentanone

Concen: 0.057 ug/l

RT: 7.800 min Scan# 2007

Delta R.T. 0.006 min

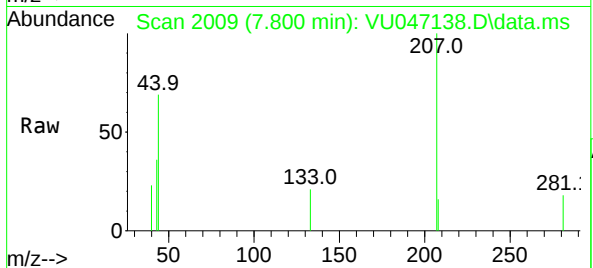
Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

ClientSampleId :



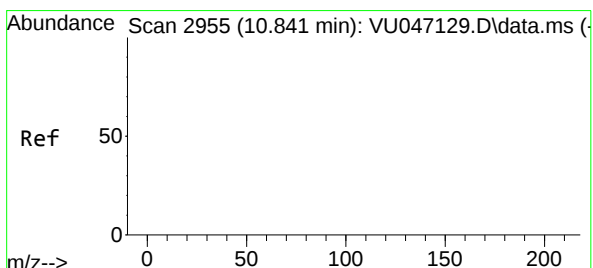
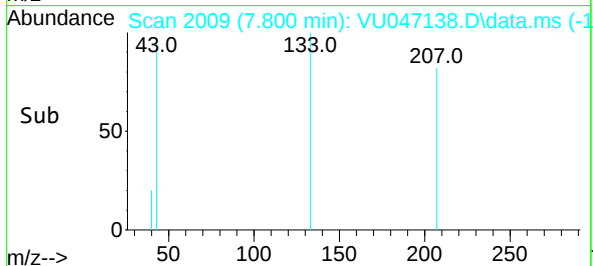
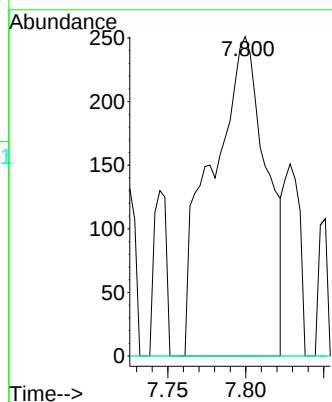
Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

43 100

58 0.0 21.0 63.0#

85 0.0 14.8 22.2#



#46

t-1,4-Dichloro-2-butene

Concen: 2.105 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. -0.206 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Tgt Ion: 75 Resp: 9882

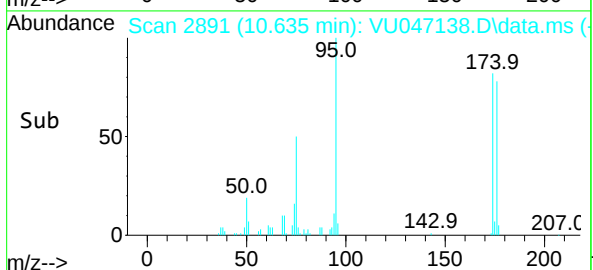
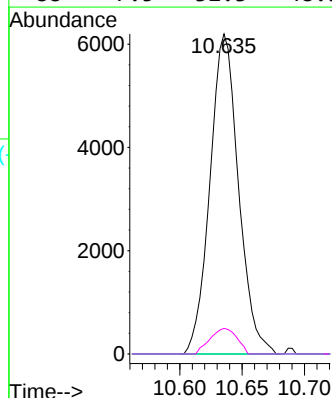
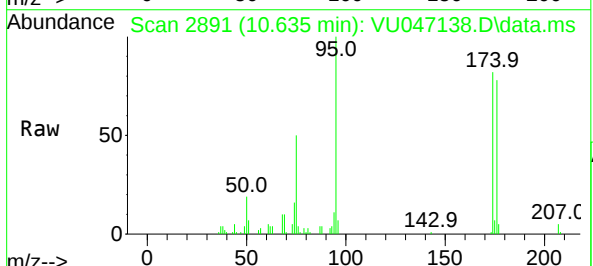
Ion Ratio Lower Upper

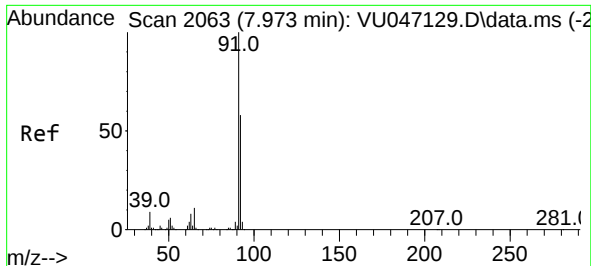
75 100

53 0.0 66.8 100.2#

89 0.0 41.7 62.5#

88 7.5 32.3 48.5#

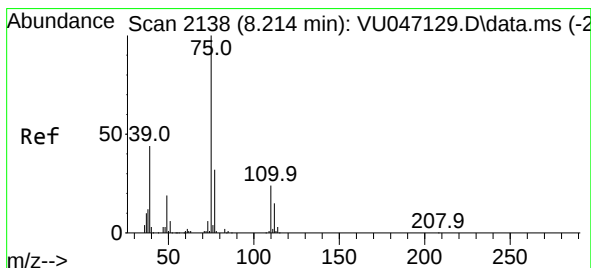
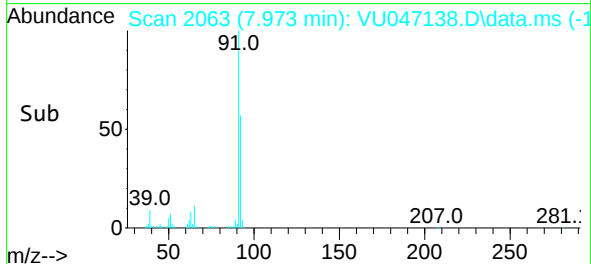
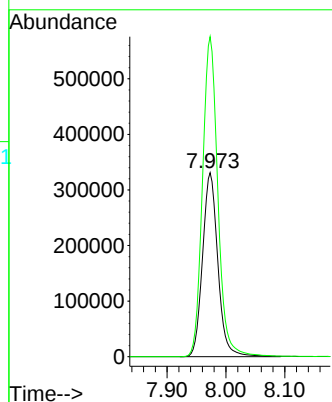
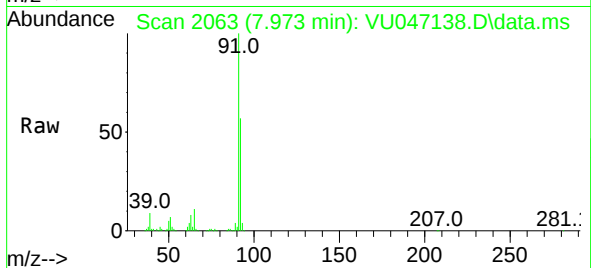




#49
Toluene
Concen: 16.602 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

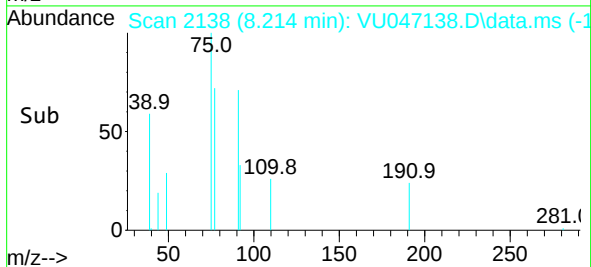
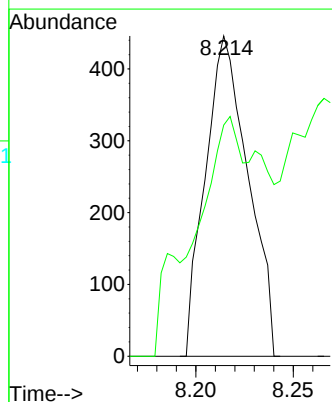
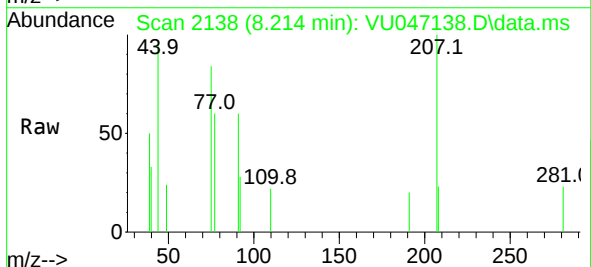
Instrument :
MSVOA_U
ClientSampleId :

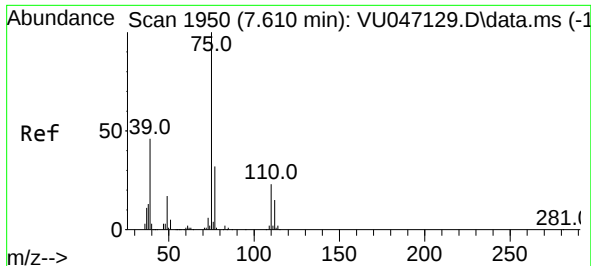
Tgt Ion: 92 Resp: 598399
Ion Ratio Lower Upper
92 100
91 174.7 136.8 205.2



#50
t-1,3-Dichloropropene
Concen: 0.033 ug/l
RT: 8.214 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 75 Resp: 680
Ion Ratio Lower Upper
75 100
77 43.0 25.6 38.4#

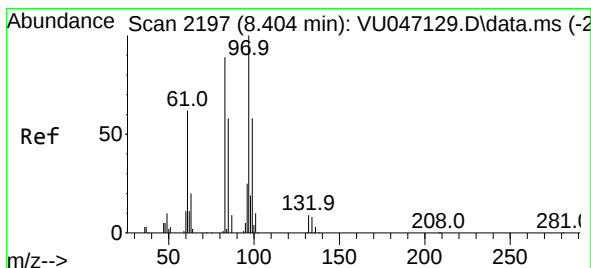
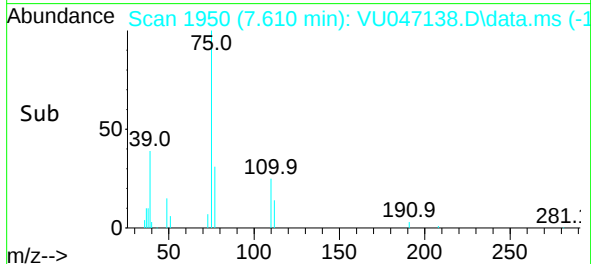
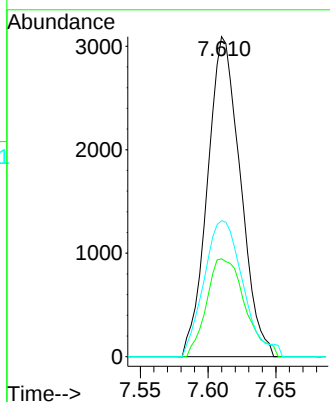
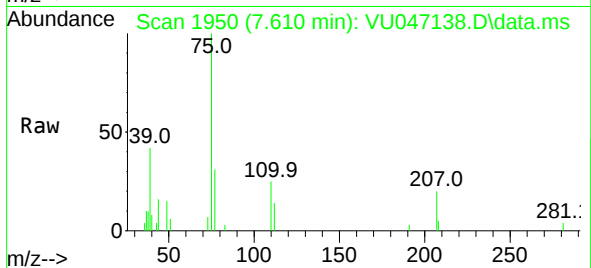




#51
cis-1,3-Dichloropropene
Concen: 0.228 ug/l
RT: 7.610 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

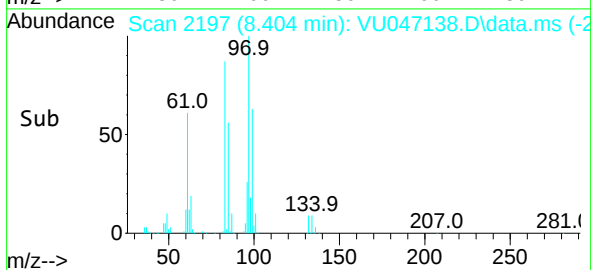
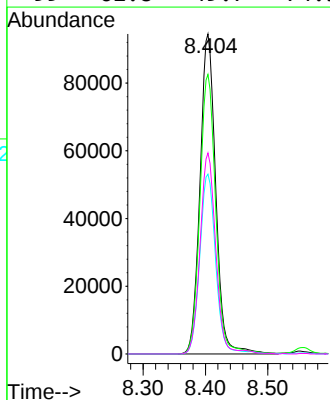
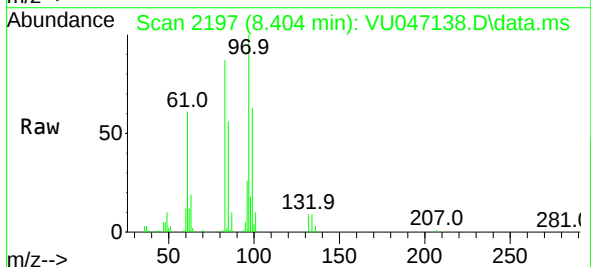
Instrument :
MSVOA_U
ClientSampleId :

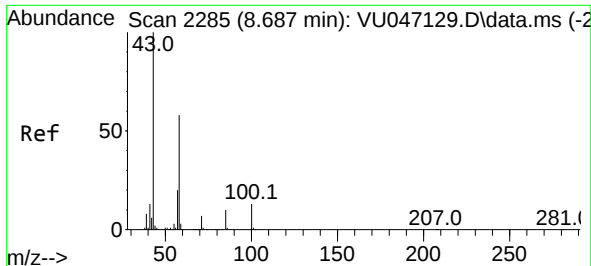
Tgt Ion: 75	Resp: 5217
Ion Ratio	Lower Upper
75 100	
77 30.6	25.2 37.8
39 42.5	38.6 57.8



#52
1,1,2-Trichloroethane
Concen: 14.583 ug/l
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 97	Resp: 165915
Ion Ratio	Lower Upper
97 100	
83 87.3	69.8 104.8
85 56.2	44.2 66.4
99 62.8	49.7 74.5

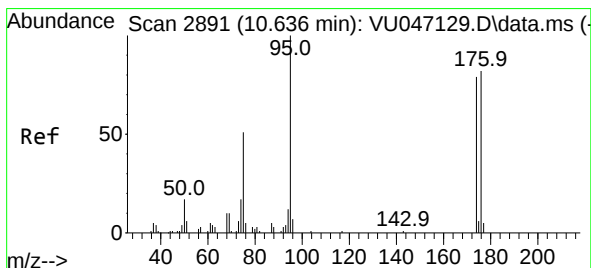
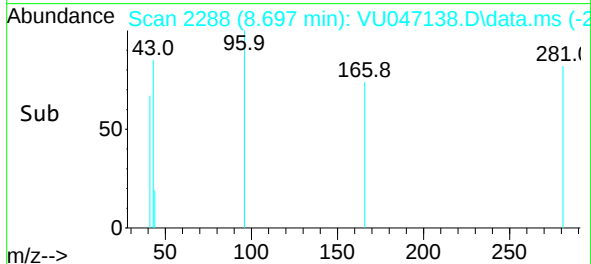
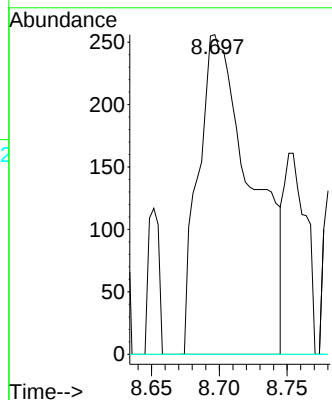
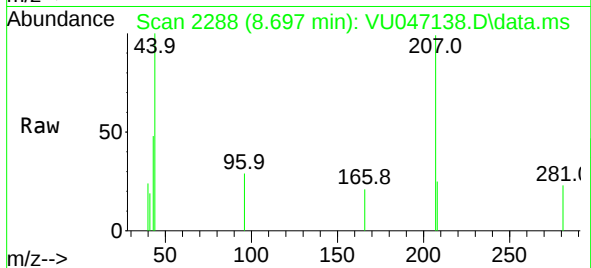




#54
2-Hexanone
Concen: 0.088 ug/l
RT: 8.697 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

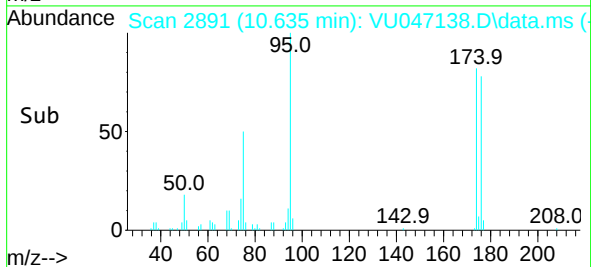
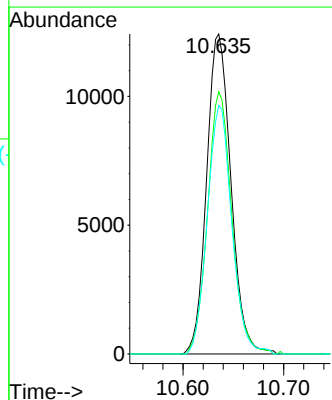
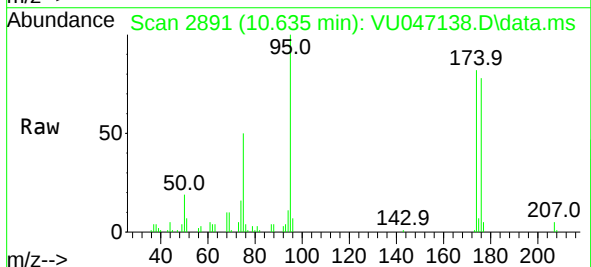
Instrument :
MSVOA_U
ClientSampleId :

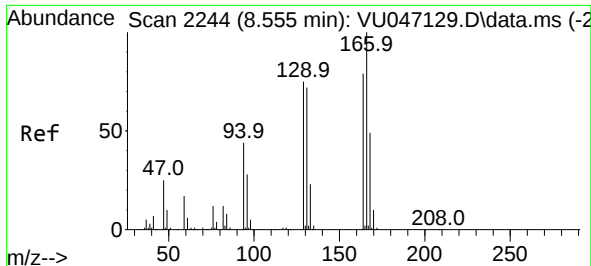
Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
58 0.0 37.7 77.7#
57 0.0 0.5 40.5#



#57
4-Bromofluorobenzene
Concen: 0.994 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

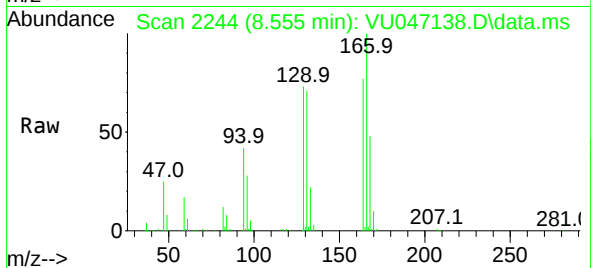
Tgt Ion: 95 Resp: 20880
Ion Ratio Lower Upper
95 100
174 81.5 56.6 84.8
176 78.2 54.3 81.5



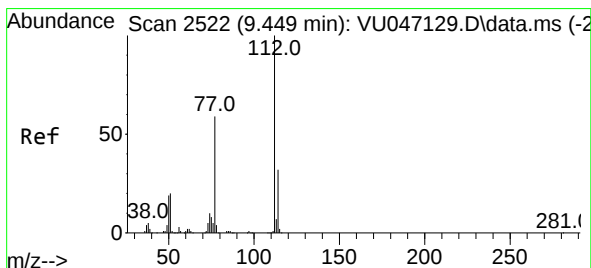
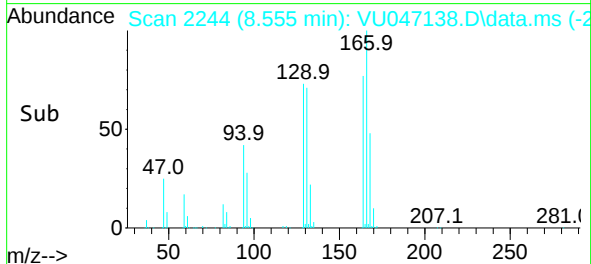
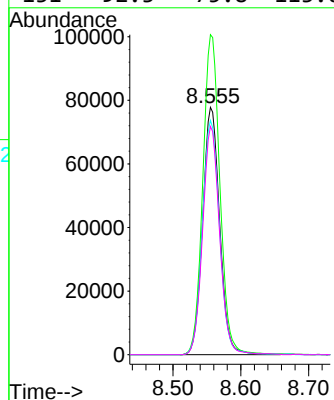


#58
Tetrachloroethene
Concen: 9.516 ug/l
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Instrument :
MSVOA_U
ClientSampleId :

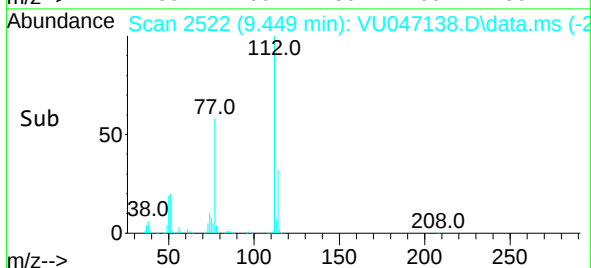
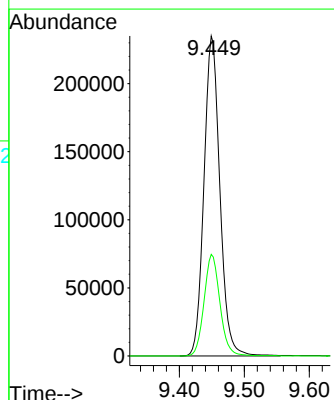
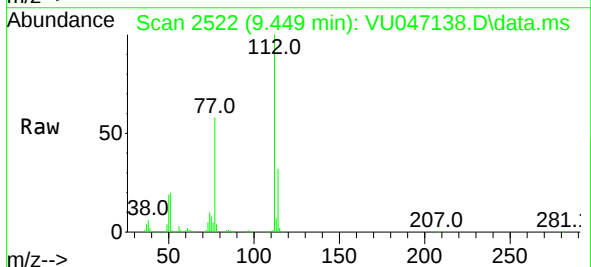


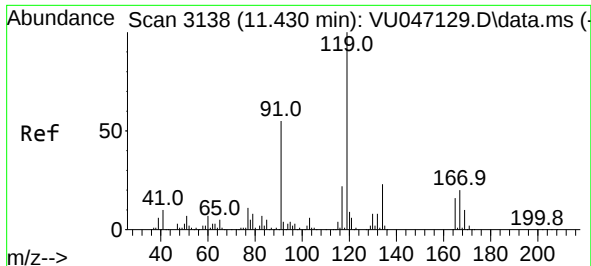
Tgt Ion:164 Resp: 135841
Ion Ratio Lower Upper
164 100
166 129.4 102.0 153.0
129 94.8 77.1 115.7
131 92.3 75.8 113.6



#59
Chlorobenzene
Concen: 9.977 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion:112 Resp: 400946
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

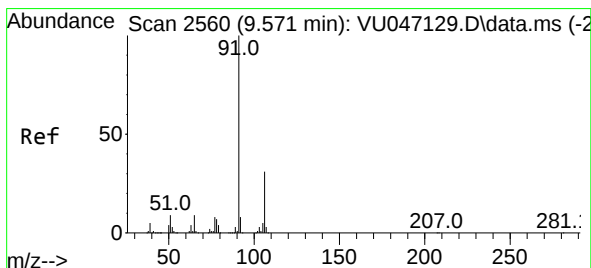
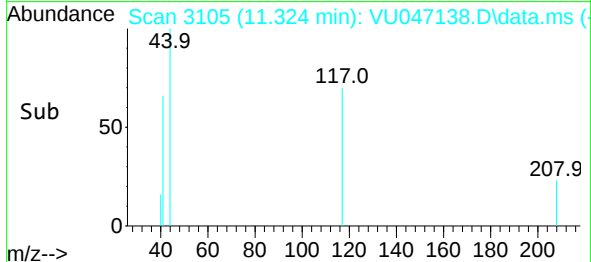
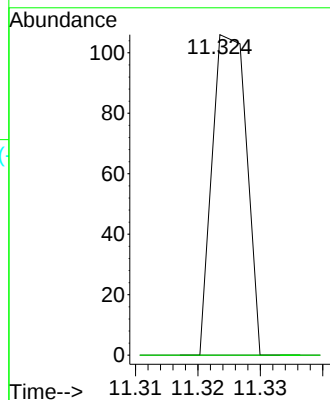
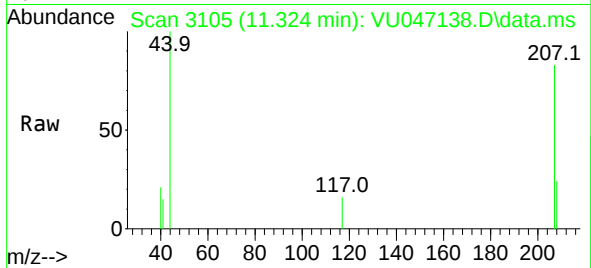




#61
 Pentachloroethane
 Concen: 0.004 ug/l
 RT: 11.324 min Scan# 3138
 Delta R.T. -0.106 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

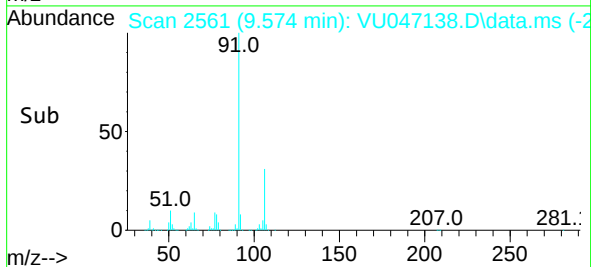
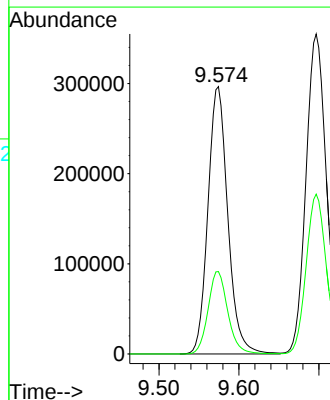
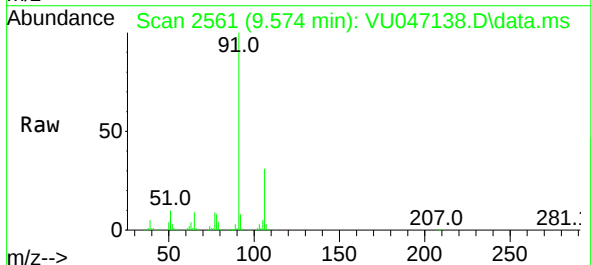
Instrument :
 MSVOA_U
 ClientSampleId :

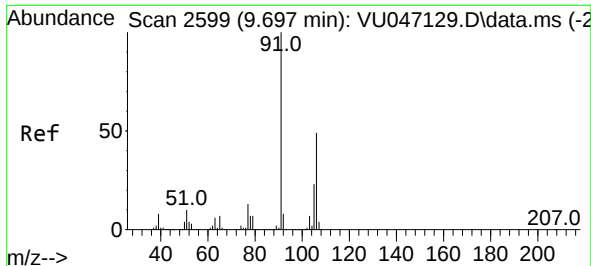
Tgt Ion:117 Resp: 40
 Ion Ratio Lower Upper
 117 100
 167 0.0 59.7 89.5#



#63
 Ethyl Benzene
 Concen: 7.254 ug/l
 RT: 9.574 min Scan# 2561
 Delta R.T. 0.003 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

Tgt Ion: 91 Resp: 512432
 Ion Ratio Lower Upper
 91 100
 106 30.8 24.4 36.6

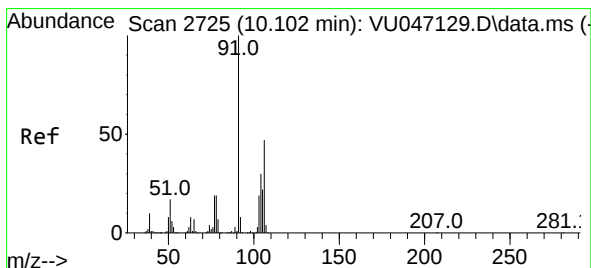
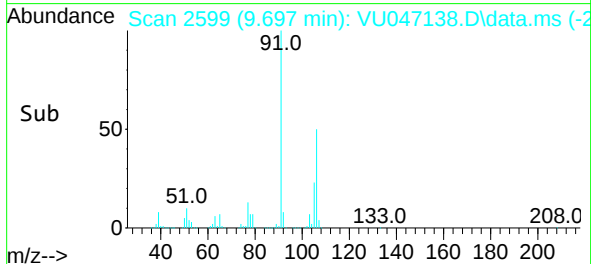
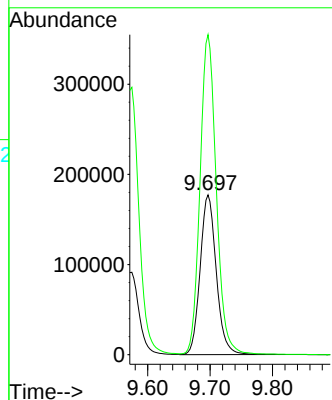
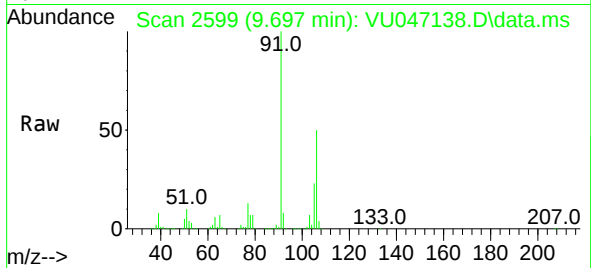




#64
m/p-Xylenes
Concen: 11.773 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

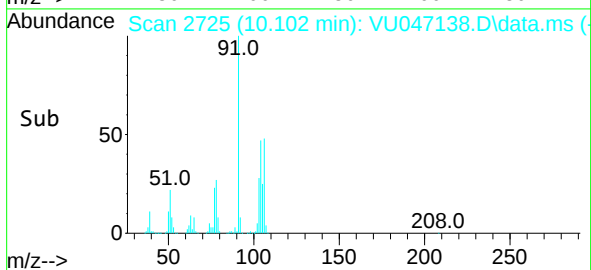
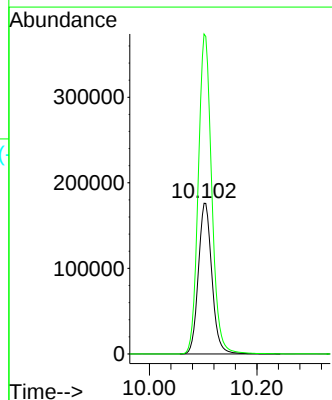
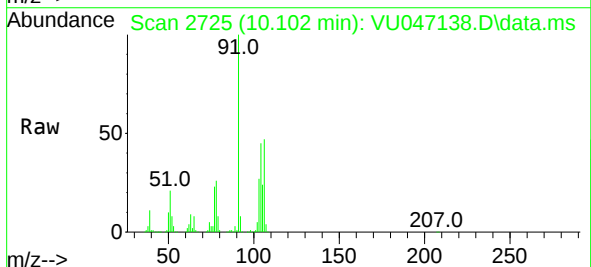
Instrument :
MSVOA_U
ClientSampleId :

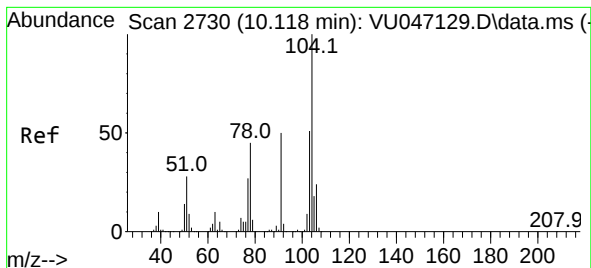
Tgt Ion:106 Resp: 317030
Ion Ratio Lower Upper
106 100
91 202.6 165.5 248.3



#65
o-Xylene
Concen: 11.768 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion:106 Resp: 306968
Ion Ratio Lower Upper
106 100
91 211.8 109.4 328.2





#66

Styrene

Concen: 18.033 ug/l

RT: 10.118 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

ClientSampleId :

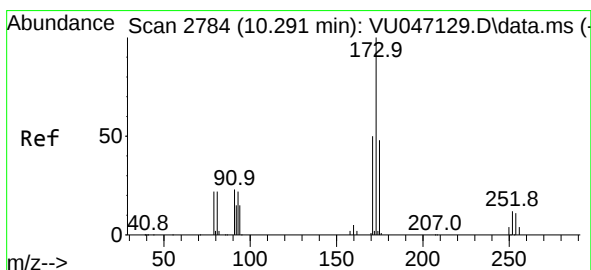
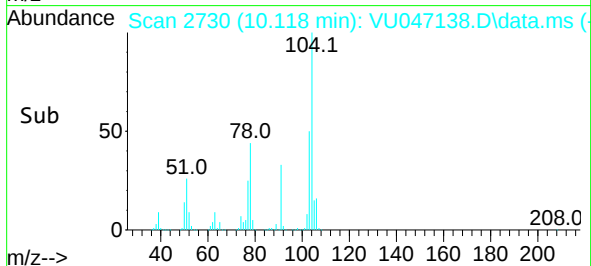
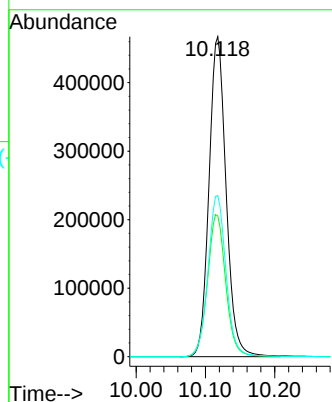
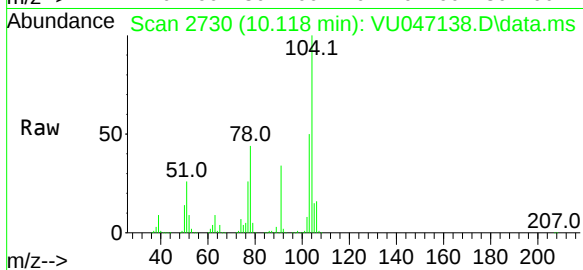
Tgt Ion:104 Resp: 798377

Ion Ratio Lower Upper

104 100

78 47.5 42.4 63.6

103 53.2 44.2 66.4



#67

Bromoform

Concen: 0.133 ug/l

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

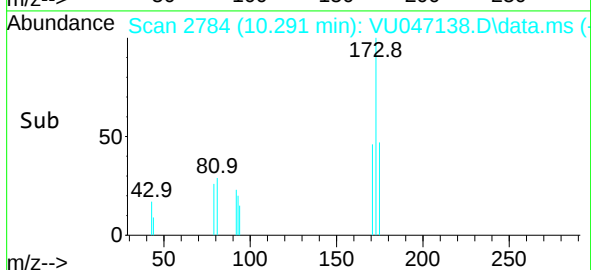
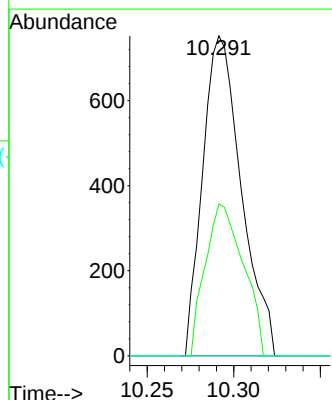
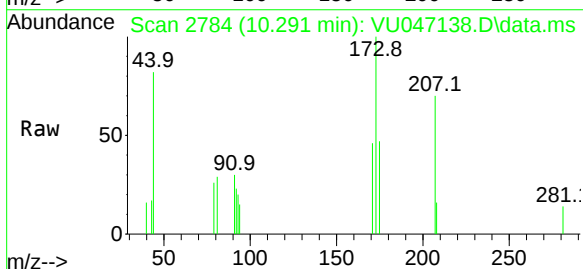
Tgt Ion:173 Resp: 1169

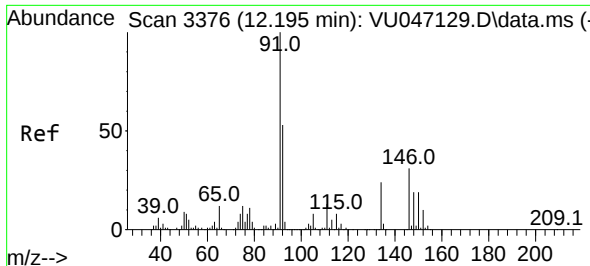
Ion Ratio Lower Upper

173 100

175 46.7 39.0 58.4

254 0.0 5.5 8.3#

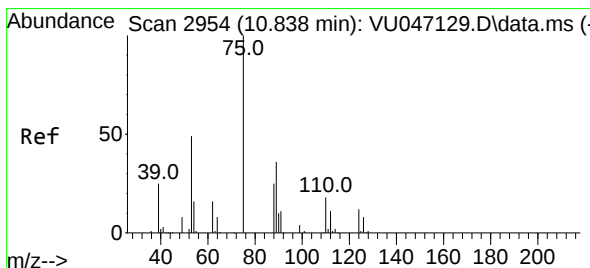
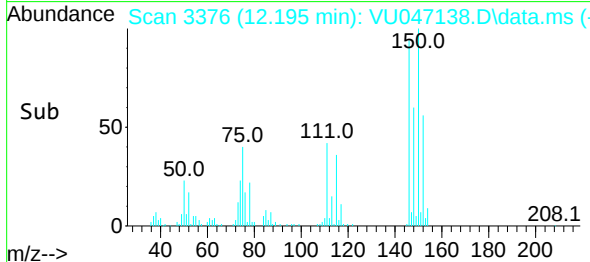
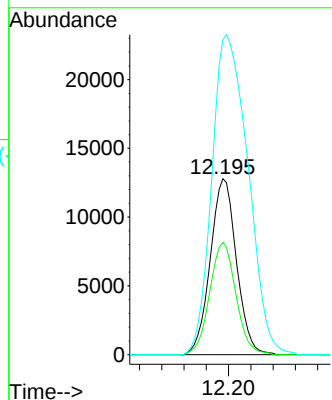
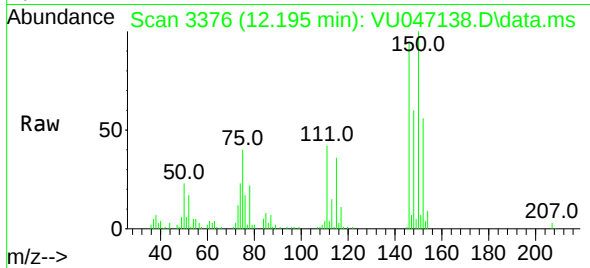




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.956 ug/l
 RT: 12.195 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

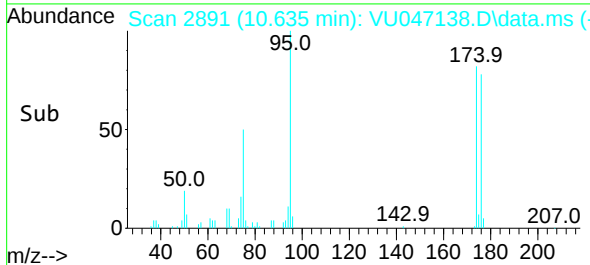
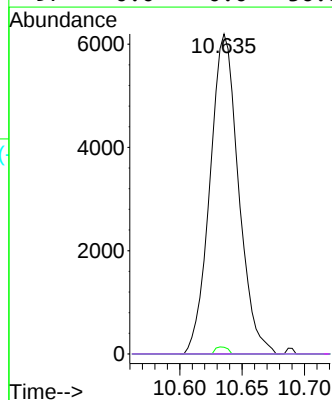
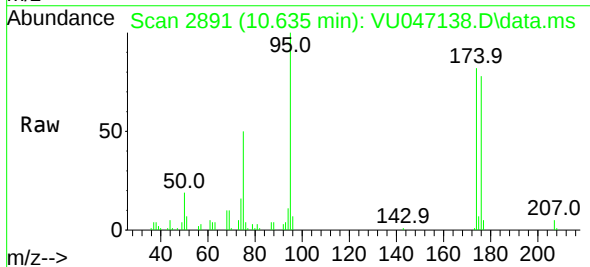
Instrument :
 MSVOA_U
 ClientSampleId :

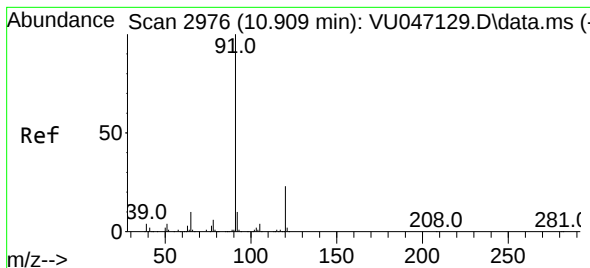
Tgt Ion:152 Resp: 20919
 Ion Ratio Lower Upper
 152 100
 115 63.8 0.0 251.0
 150 250.6 0.0 613.8



#71
 1,2,3-Trichloropropane
 Concen: 0.761 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.203 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

Tgt Ion: 75 Resp: 9882
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 105.6
 110 0.0 0.0 71.2
 97 0.0 0.0 36.8





#73

n-propylbenzene

Concen: 0.030 ug/l

RT: 10.909 min Scan# 2976

Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

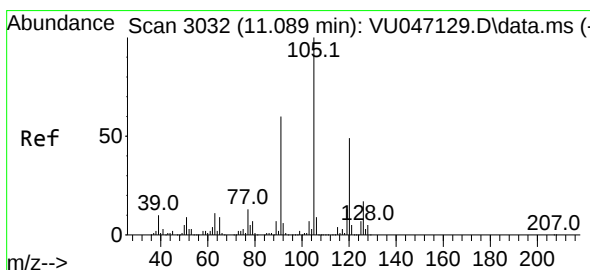
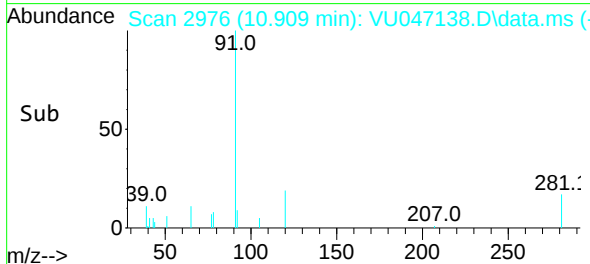
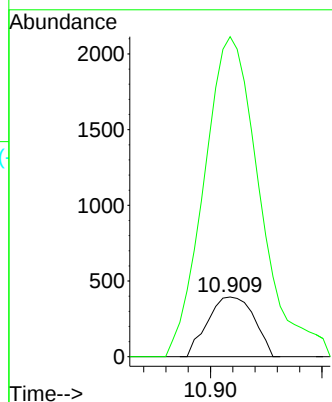
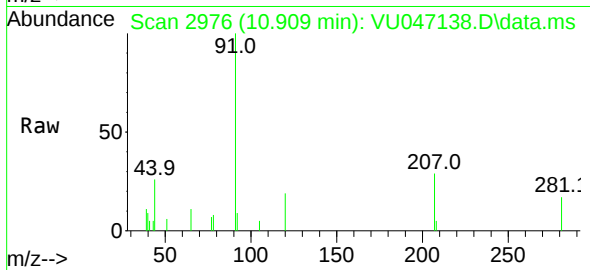
ClientSampleId :

Tgt Ion:120 Resp: 571

Ion Ratio Lower Upper

120 100

91 643.1 370.7 556.1#



#75

1,3,5-Trimethylbenzene

Concen: 0.002 ug/l

RT: 11.092 min Scan# 3033

Delta R.T. 0.003 min

Lab File: VU047138.D

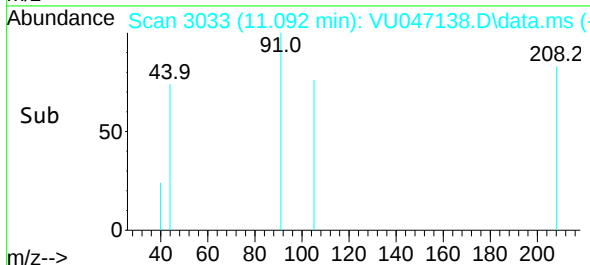
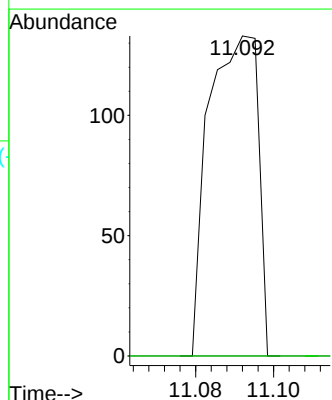
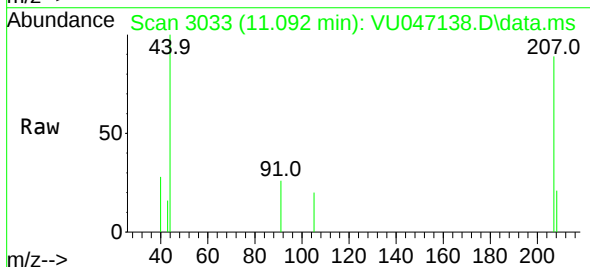
Acq: 14 Feb 2022 17:59

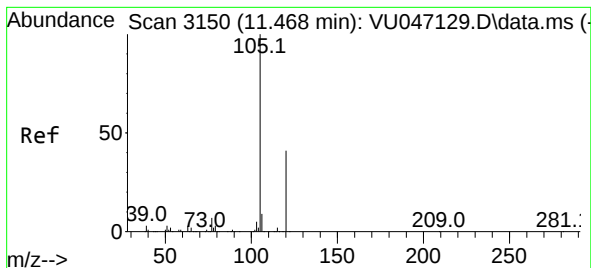
Tgt Ion:105 Resp: 117

Ion Ratio Lower Upper

105 100

120 0.0 38.6 58.0#





#78

1,2,4-Trimethylbenzene

Concen: 0.004 ug/l

RT: 11.475 min Scan# 3150

Delta R.T. 0.006 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

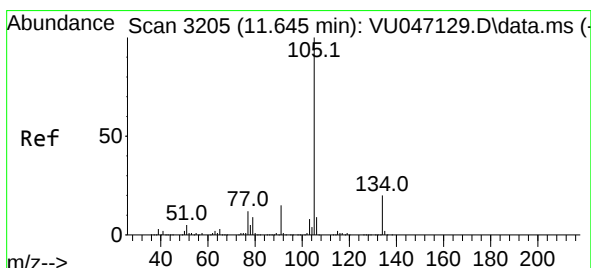
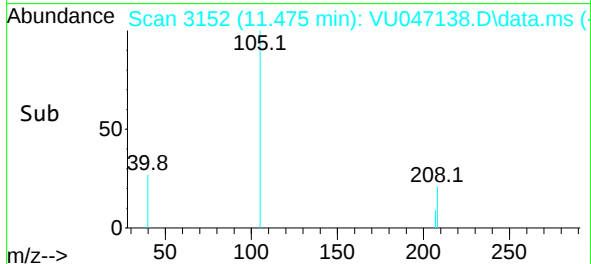
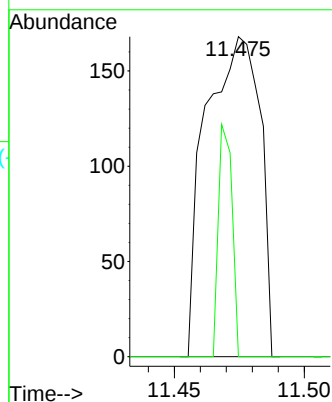
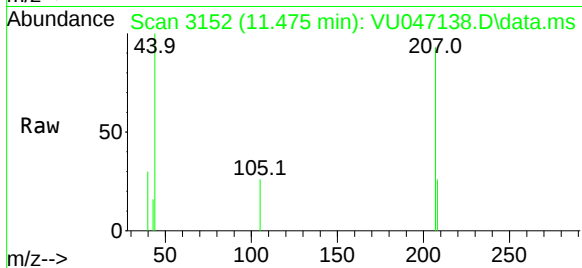
ClientSampleId :

Tgt Ion:105 Resp: 244

Ion Ratio Lower Upper

105 100

120 18.0 22.3 66.8#



#79

sec-Butylbenzene

Concen: 0.001 ug/l

RT: 11.645 min Scan# 3205

Delta R.T. -0.000 min

Lab File: VU047138.D

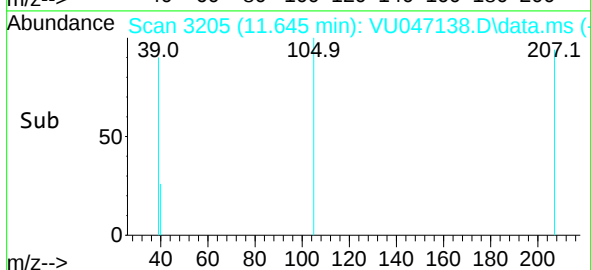
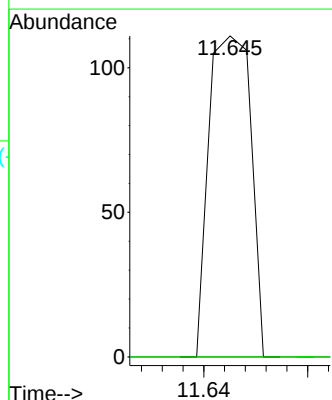
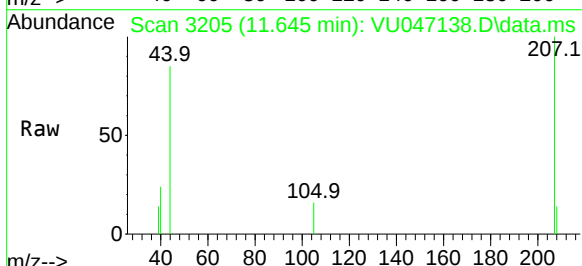
Acq: 14 Feb 2022 17:59

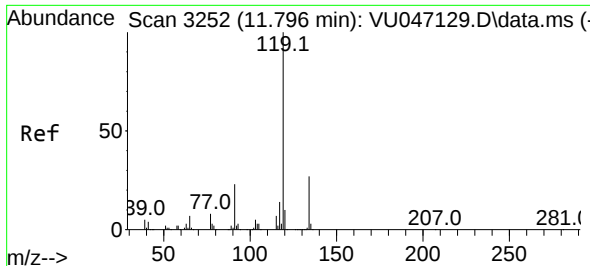
Tgt Ion:105 Resp: 62

Ion Ratio Lower Upper

105 100

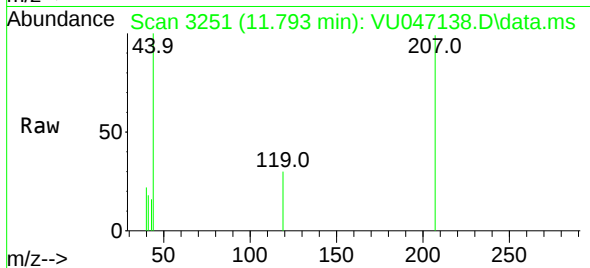
134 0.0 15.4 23.0#



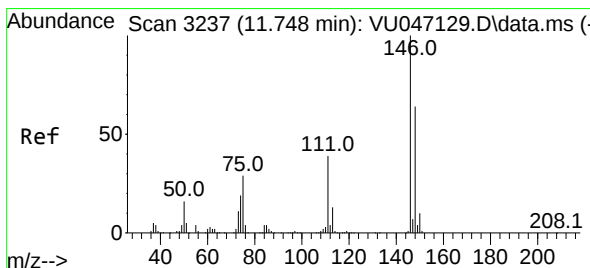
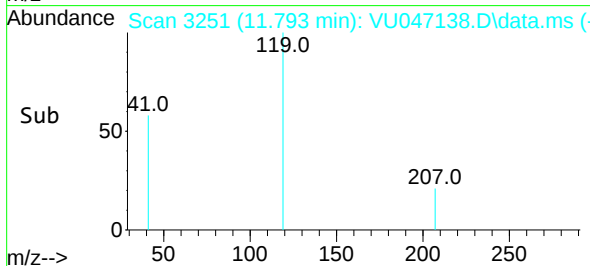
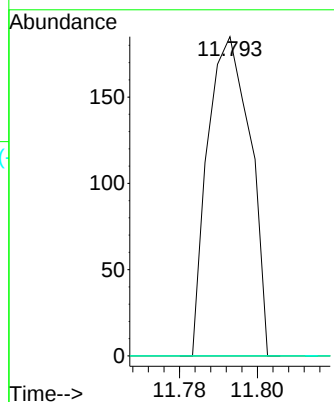


#81
p-Isopropyltoluene
Concen: 0.002 ug/l
RT: 11.793 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Instrument :
MSVOA_U
ClientSampleId :

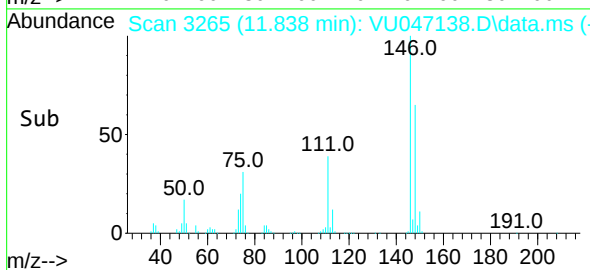
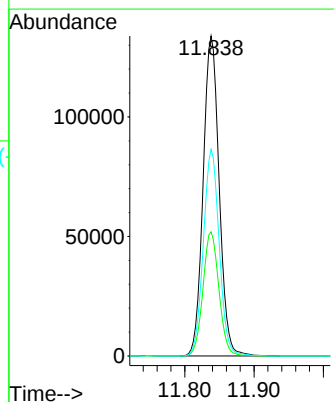
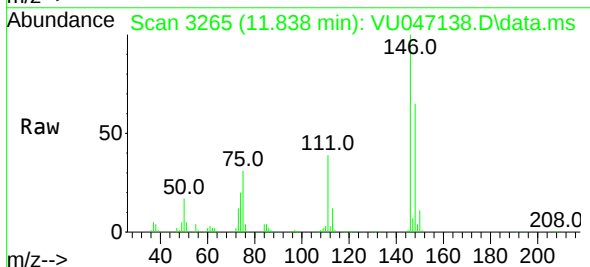


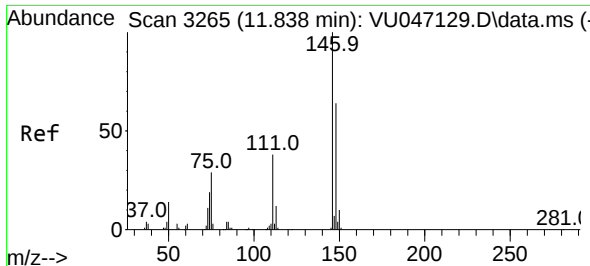
Tgt Ion:119 Resp: 140
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.4#
91 0.0 19.9 29.9#



#82
1,3-Dichlorobenzene
Concen: 6.450 ug/l
RT: 11.838 min Scan# 3265
Delta R.T. 0.090 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion:146 Resp: 215131
Ion Ratio Lower Upper
146 100
111 38.6 33.9 50.9
148 64.1 50.9 76.3

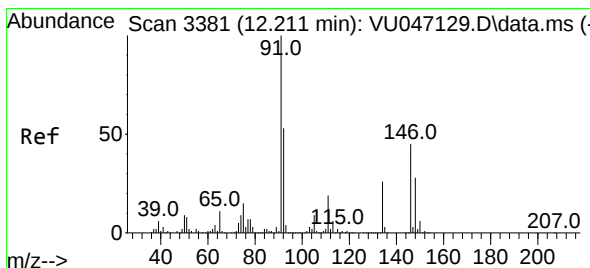
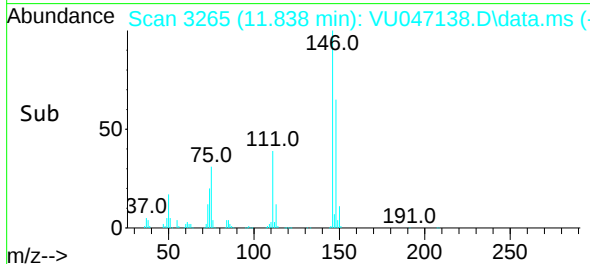
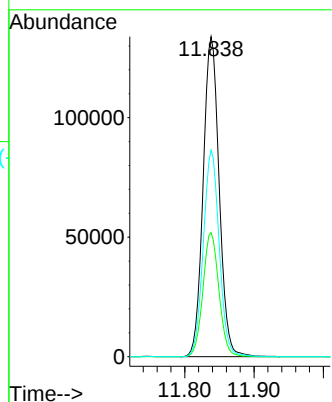
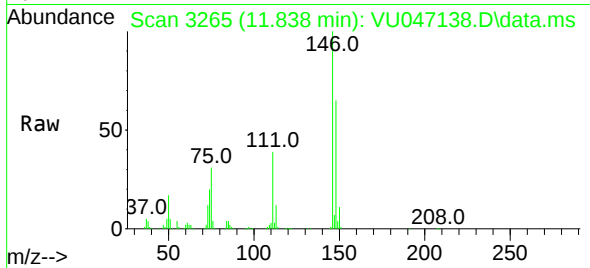




#83
1,4-Dichlorobenzene
Concen: 6.403 ug/l
RT: 11.838 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

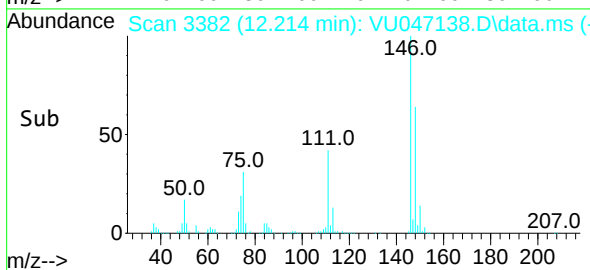
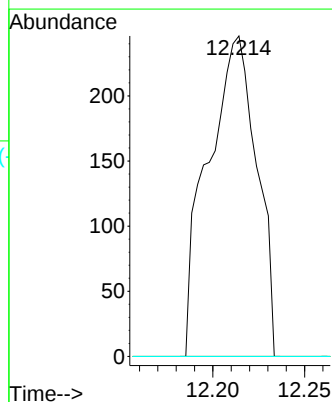
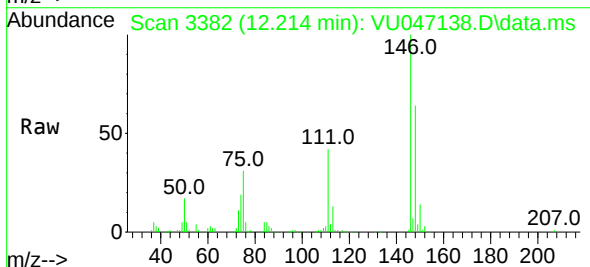
Instrument :
MSVOA_U
ClientSampleId :

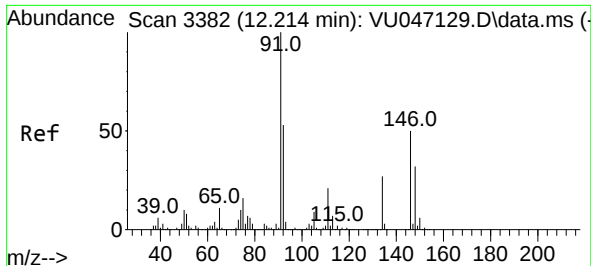
Tgt Ion:146 Resp: 215131
Ion Ratio Lower Upper
146 100
111 38.6 32.7 49.1
148 64.1 51.4 77.0



#84
n-Butylbenzene
Concen: 0.007 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 91 Resp: 456
Ion Ratio Lower Upper
91 100
92 0.0 43.5 65.3#
134 0.0 19.0 28.4#

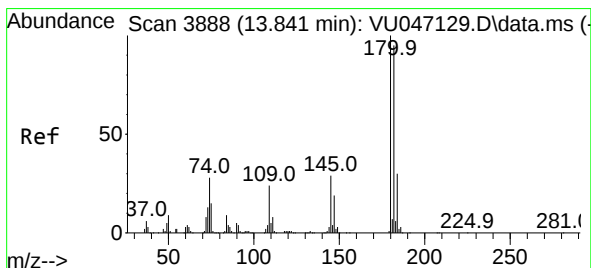
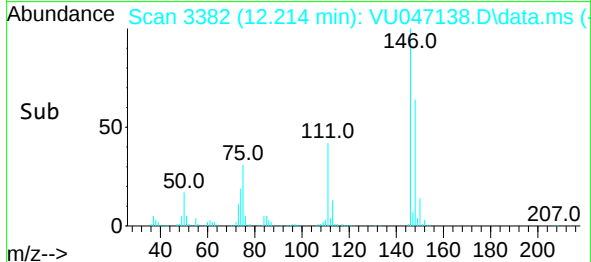
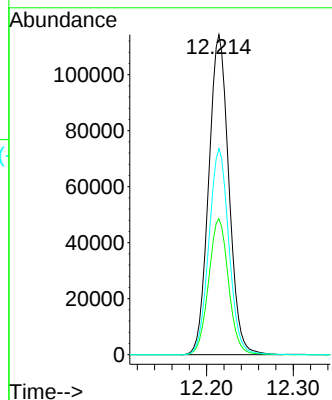
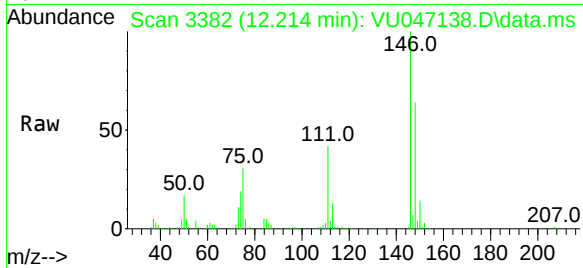




#85
 1,2-Dichlorobenzene
 Concen: 5.756 ug/l
 RT: 12.214 min Scan# 3382
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

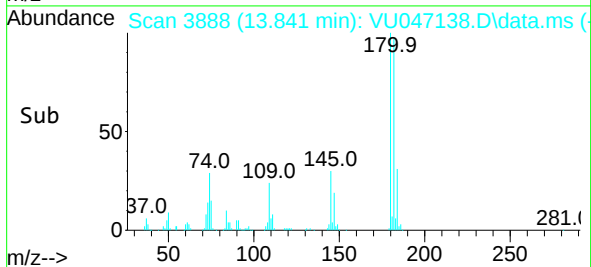
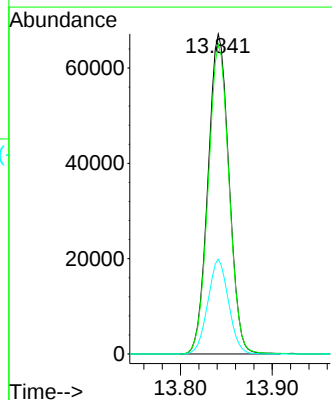
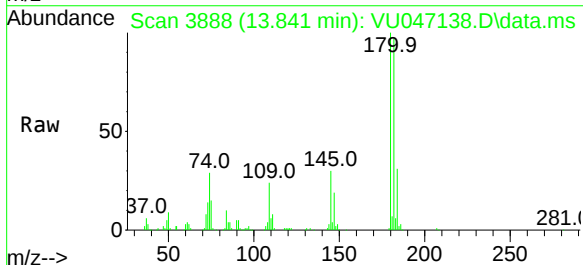
Instrument :
 MSVOA_U
 ClientSampleId :

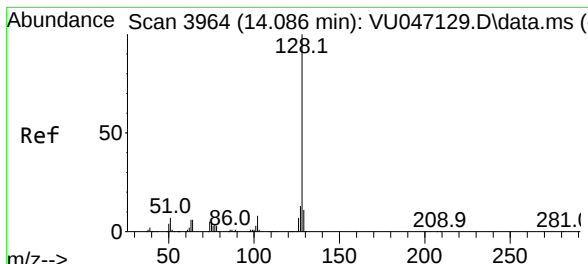
Tgt Ion:146 Resp: 184792
 Ion Ratio Lower Upper
 146 100
 111 42.0 22.1 66.1
 148 64.1 31.6 94.7



#87
 1,2,4-Trichlorobenzene
 Concen: 4.234 ug/l
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

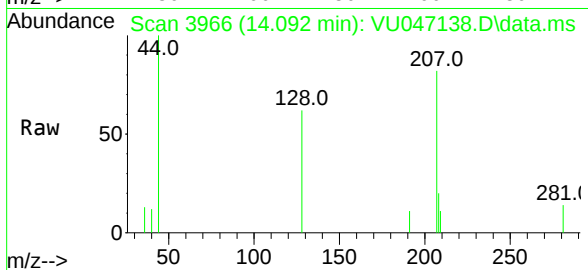
Tgt Ion:180 Resp: 106744
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.8 113.8
 145 29.1 25.3 37.9





#89
 Naphthalene
 Concen: 0.016 ug/l
 RT: 14.092 min Scan# 3966
 Delta R.T. 0.006 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	820
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

