

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091120\
 Data File : VU040107.D
 Acq On : 11 Sep 2020 16:59
 Operator : SY/MD
 Sample : VU0911WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Quant Time: Sep 12 05:18:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 13:27:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	28143	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	11563	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	10678	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	24424	1.962	ug/l 97
3) Chloromethane	1.53	50	20179	2.026	ug/l 98
4) Vinyl Chloride	1.61	62	21779	1.937	ug/l 97
5) Bromomethane	1.87	94	8617	2.444	ug/l 93
6) Chloroethane	1.94	64	12800	1.987	ug/l 94
7) Trichlorofluoromethane	2.15	101	30899	1.947	ug/l 97
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	13684	1.930	ug/l 98
9) 1,1-Dichloroethene	2.59	96	11141	2.052	ug/l 97
13) Acetone	2.68	43	36647	8.909	ug/l 98
14) Carbon Disulfide	2.81	76	17491	1.842	ug/l 99
15) Methylene Chloride	3.06	84	18034	1.977	ug/l 92
16) trans-1,2-Dichloroethene	3.37	96	11817	2.025	ug/l 96
17) 1,1-Dichloroethane	3.89	63	29969	2.092	ug/l 95
18) 2-Butanone	4.74	43	61918	9.966	ug/l 98
19) Cyclohexane	5.41	56	16875	1.897	ug/l 93
20) Methylcyclohexane	6.77	83	18393	2.041	ug/l 99
22) cis-1,2-Dichloroethene	4.68	96	16007	2.176	ug/l 81
25) Methyl tert-Butyl Ether	3.38	73	39657	2.017	ug/l 100
26) Bromochloromethane	5.00	128	6971	1.950	ug/l 96
27) Chloroform	5.11	83	31589	2.016	ug/l 96
28) 1,1,1-Trichloroethane	5.34	97	25801	1.959	ug/l 98
30) Carbon Tetrachloride	5.54	117	21413	1.980	ug/l 97
35) Benzene	5.79	78	55959	1.990	ug/l 98
36) 1,2-Dichloroethane	5.81	62	23187	2.052	ug/l 100
37) Trichloroethene	6.55	130	14834	2.054	ug/l 95
38) 1,2-Dichloropropane	6.81	63	17442	2.004	ug/l 99
44) Bromodichloromethane	7.11	83	22722	1.911	ug/l 94
45) 4-Methyl-2-Pentanone	7.80	43	140313	9.894	ug/l 97
49) Toluene	7.98	92	35355	1.983	ug/l 98
50) t-1,3-Dichloropropene	8.22	75	20627	1.852	ug/l 91
51) cis-1,3-Dichloropropene	7.61	75	21792	1.901	ug/l 94
52) 1,1,2-Trichloroethane	8.40	97	13275	1.920	ug/l 96
54) 2-Hexanone	8.69	43	98845	9.860	ug/l 100
55) Dibromochloromethane	8.82	129	15689	1.963	ug/l 98
56) 1,2-Dibromoethane	8.93	107	12086	1.902	ug/l 98
58) Tetrachloroethene	8.56	164	10601	1.975	ug/l 96
59) Chlorobenzene	9.45	112	42027	2.004	ug/l 97
63) Ethyl Benzene	9.57	91	66159	1.900	ug/l 99
64) m/p-Xylenes	9.69	106	26026	3.936	ug/l 96
65) o-Xylene	10.10	106	25529	2.012	ug/l 99
66) Styrene	10.11	104	43851	1.936	ug/l 99

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 QLast Update : Fri Sep 11 13:27:06 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

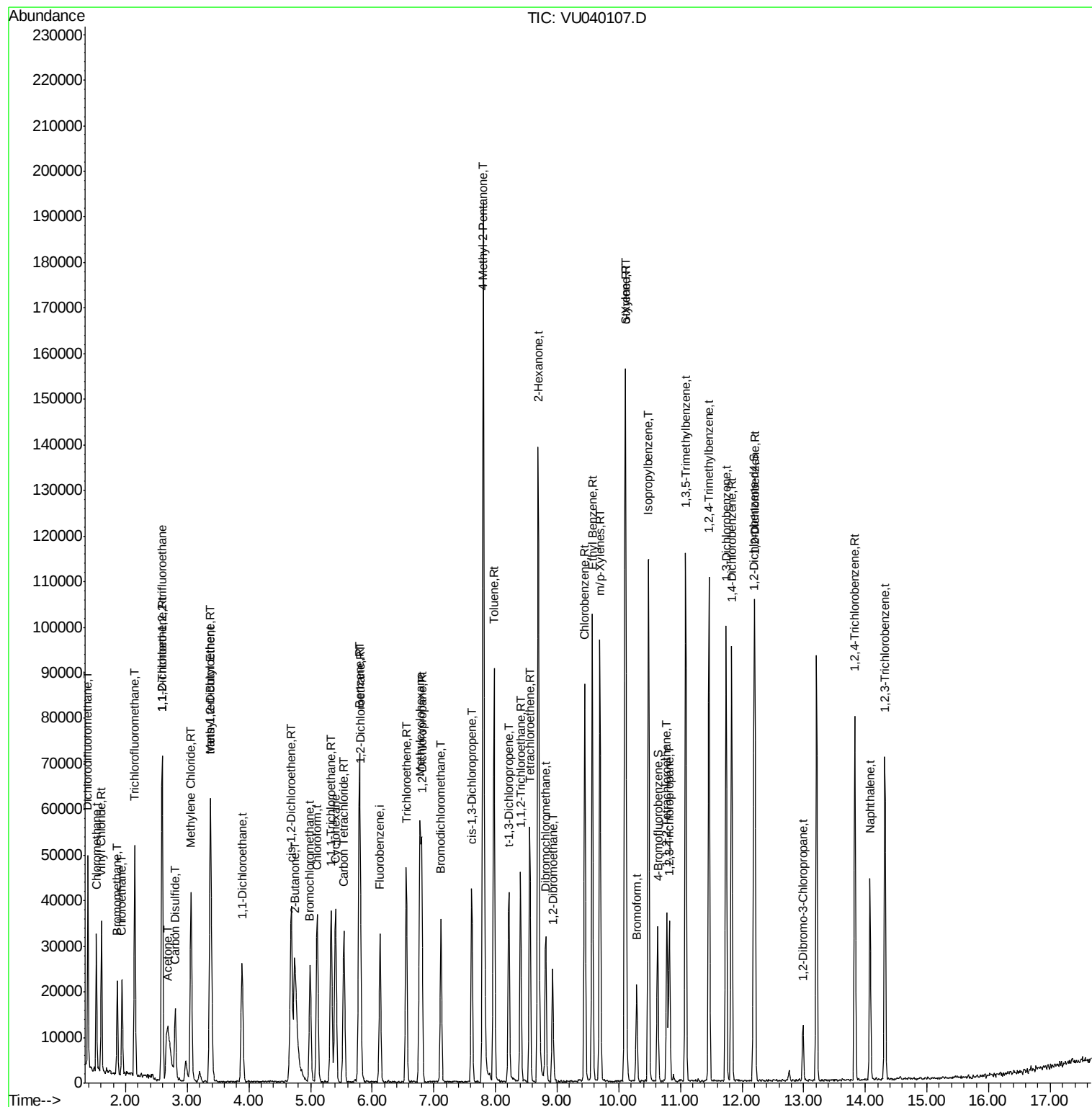
67) Bromoform	10.29	173	8050	1.923	ug/l	98
69) Isopropylbenzene	10.48	105	70110	1.995	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.78	83	17079	1.897	ug/l	99
71) 1,2,3-Trichloropropane	10.82	75	13687	1.989	ug/l	83
75) 1,3,5-Trimethylbenzene	11.09	105	58674	1.915	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	58959	1.935	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	35886	2.026	ug/l	100
83) 1,4-Dichlorobenzene	11.83	146	33508	1.934	ug/l	96
85) 1,2-Dichlorobenzene	12.21	146	34188	2.071	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2947	1.924	ug/l	91
87) 1,2,4-Trichlorobenzene	13.83	180	21088	2.222	ug/l	99
89) Naphthalene	14.08	128	32817	1.873	ug/l	97
90) 1,2,3-Trichlorobenzene	14.32	180	18348	2.035	ug/l	96

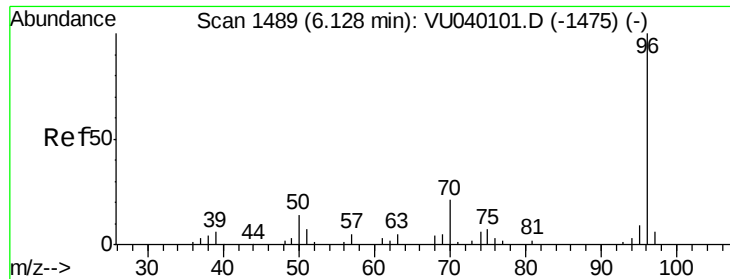
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 96 Resp: 28143

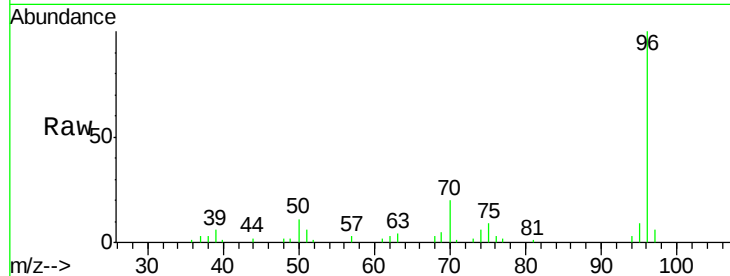
Ion Ratio Lower Upper

96 100

70 21.7 17.1 25.7

95 9.0 7.6 11.4

97 6.0 0.0 0.0#

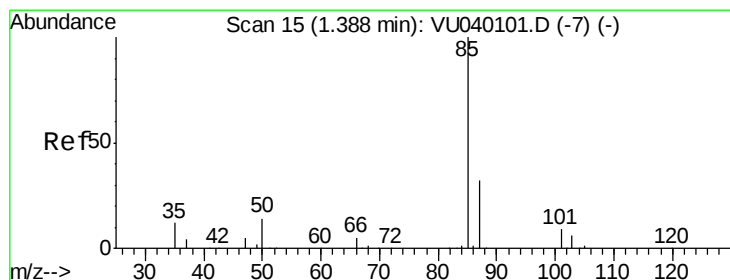
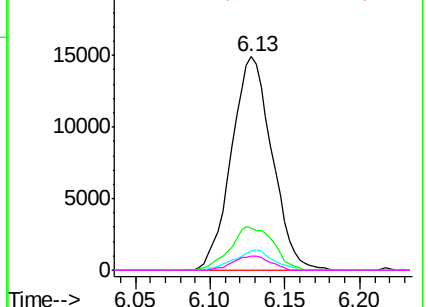
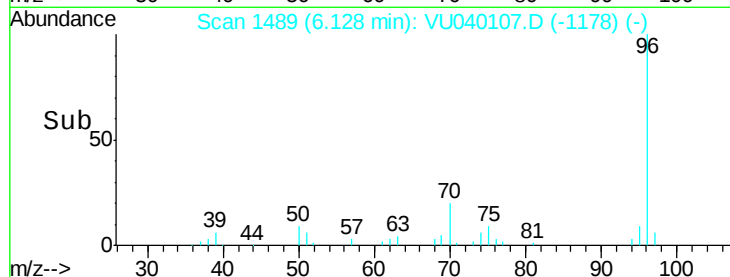


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 1.962 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040107.D

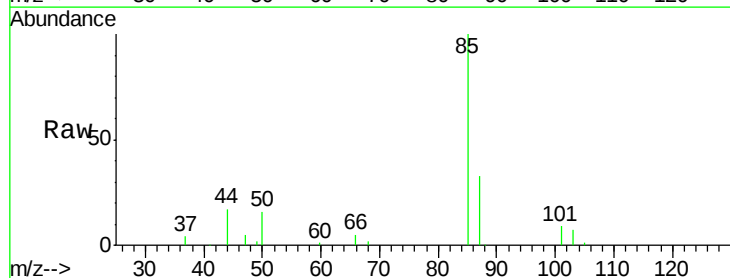
Acq: 11 Sep 2020 16:59

Tgt Ion: 85 Resp: 24424

Ion Ratio Lower Upper

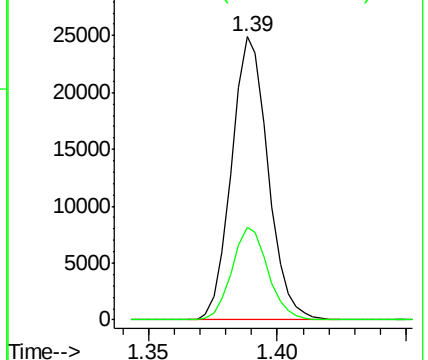
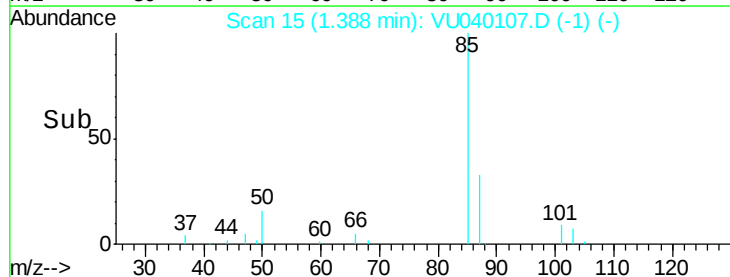
85 100

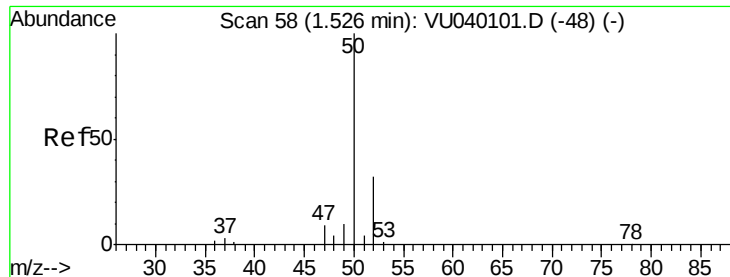
87 32.6 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 2.026 ug/l

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

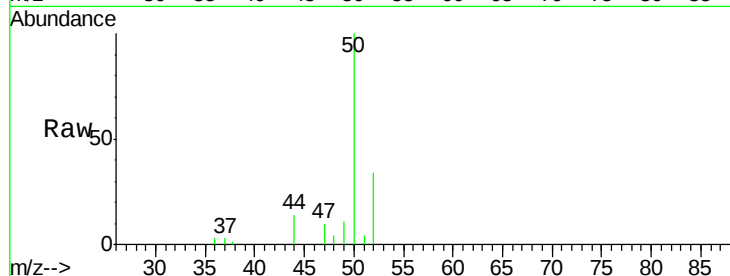
VU0911WBSD01

Tot Ion: 50 Resp: 20179

Ion Ratio Lower Upper

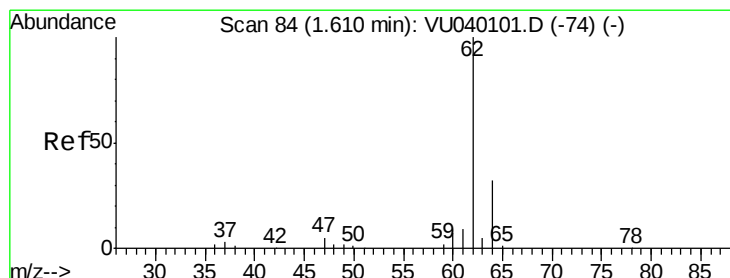
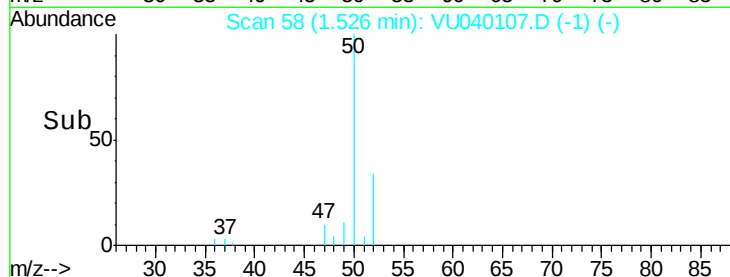
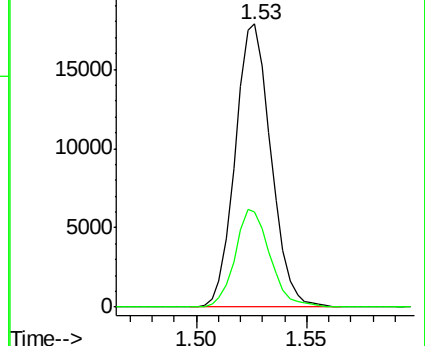
50 100

52 33.8 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.937 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040107.D

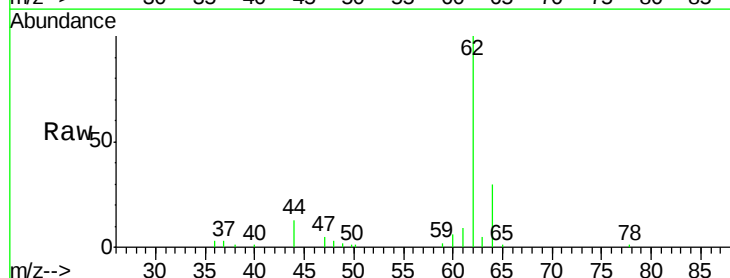
Acq: 11 Sep 2020 16:59

Tgt Ion: 62 Resp: 21779

Ion Ratio Lower Upper

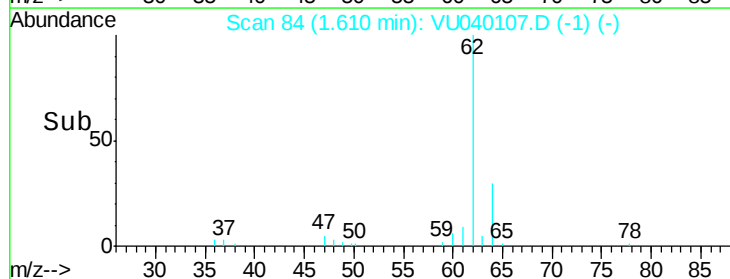
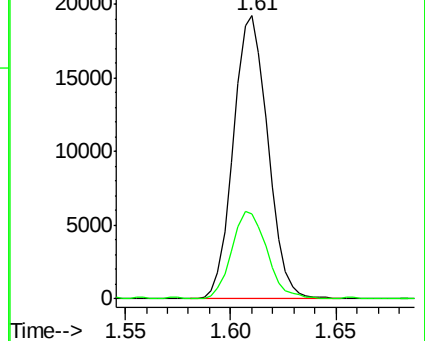
62 100

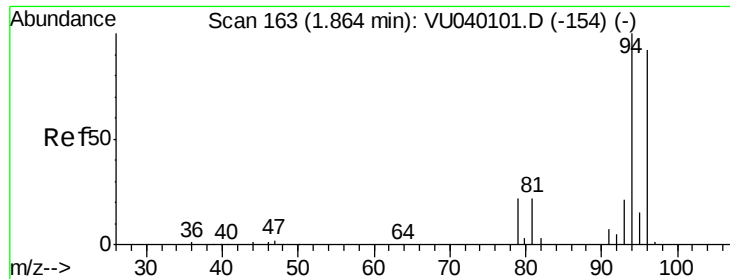
64 30.2 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

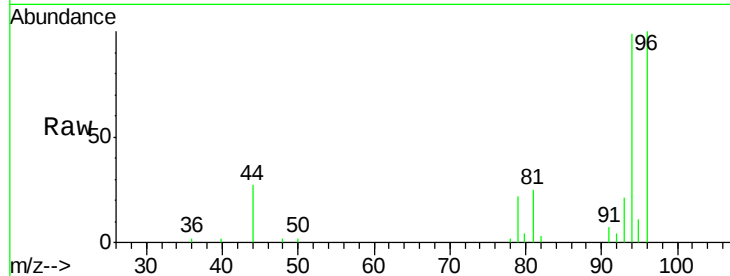




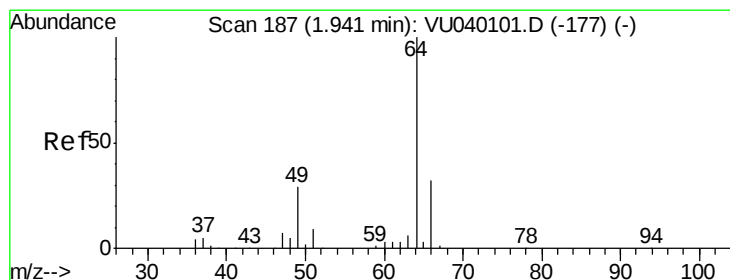
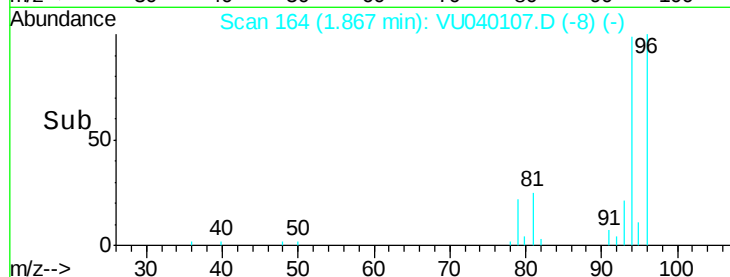
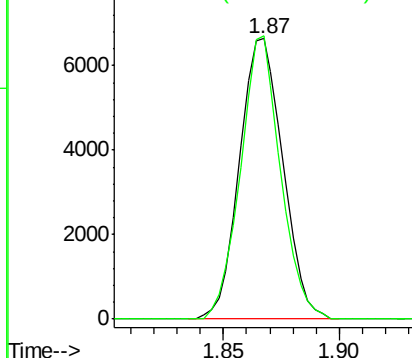
#5
Bromomethane
Concen: 2.444 ug/l
RT: 1.87 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion: 94 Resp: 8617
Ion Ratio Lower Upper
94 100
96 101.0 75.4 113.2

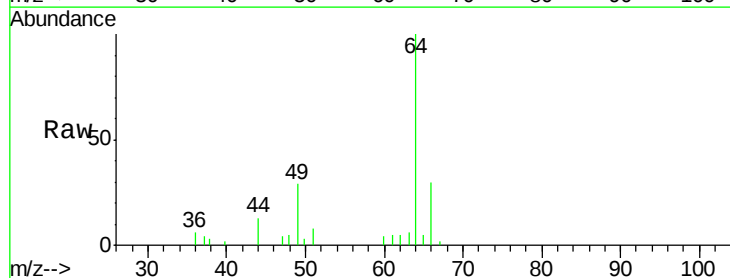


Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0

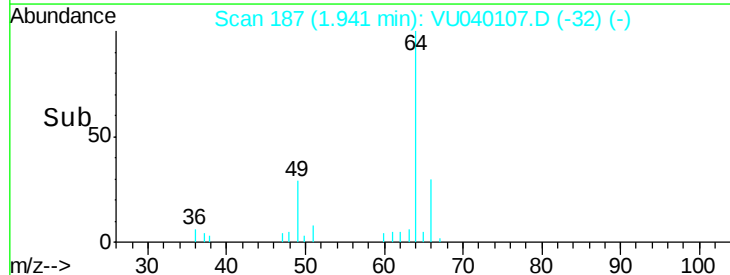
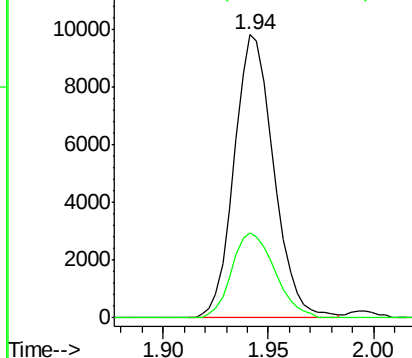


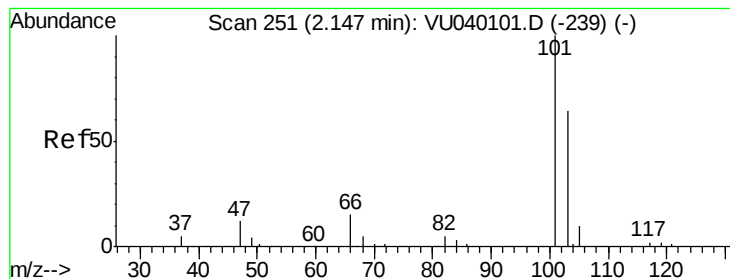
#6
Chloroethane
Concen: 1.987 ug/l
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 64 Resp: 12800
Ion Ratio Lower Upper
64 100
66 30.1 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU0
Ion 66.00 (65.70 to 66.70): VU0



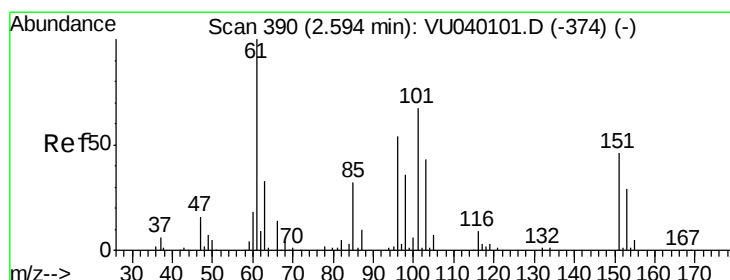
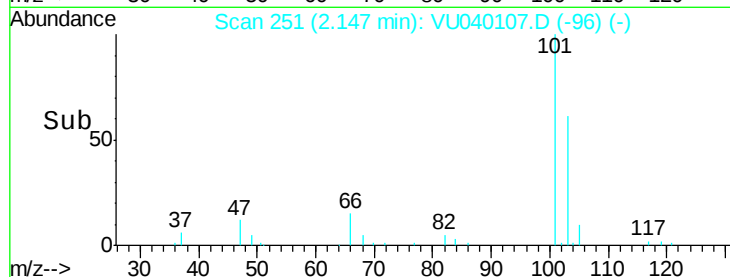
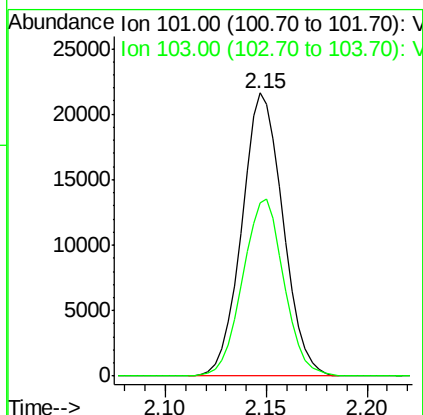
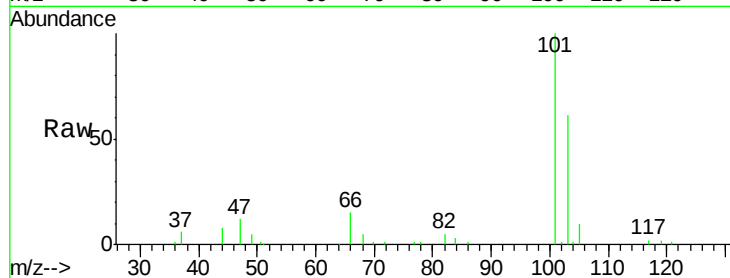


#7

Trichlorofluoromethane
 Concen: 1.947 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Instrument :
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 ClientSampleId :
 VU0911WBSD01

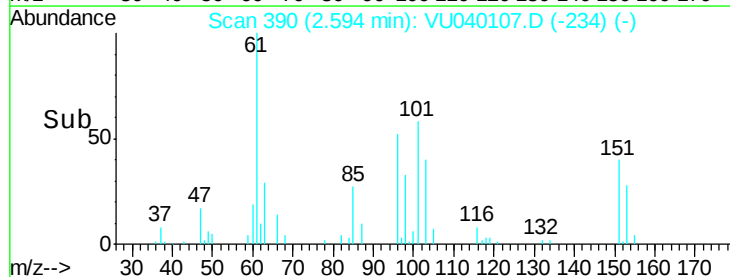
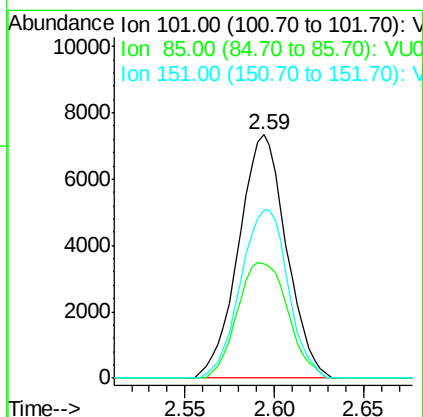
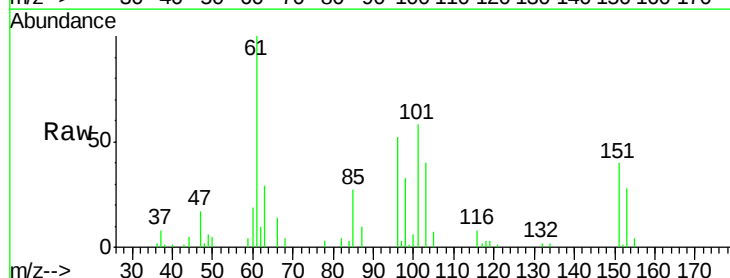
Tot Ion:101 Resp: 30899
 Ion Ratio Lower Upper
 101 100
 103 61.0 50.8 76.2

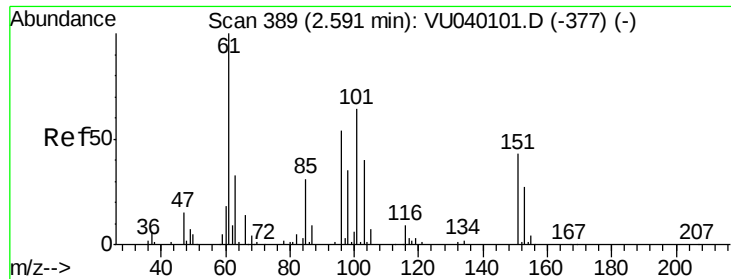


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.930 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Tgt Ion:101 Resp: 13684
 Ion Ratio Lower Upper
 101 100
 85 50.1 38.5 57.7
 151 69.0 54.6 81.8





#9

1,1-Dichloroethene

Concen: 2.052 ug/l

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

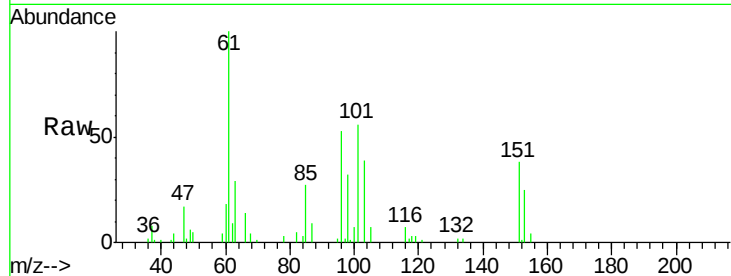
Tot Ion: 96 Resp: 11141

Ion Ratio Lower Upper

96 100

61 189.5 0.0 557.1

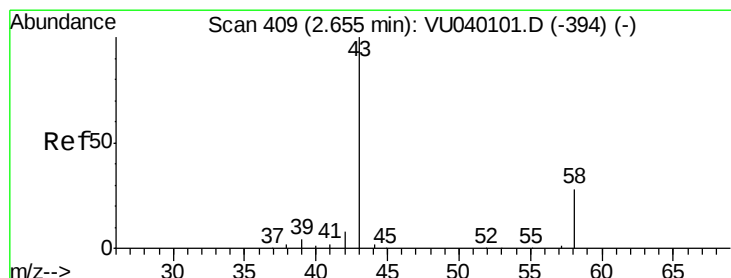
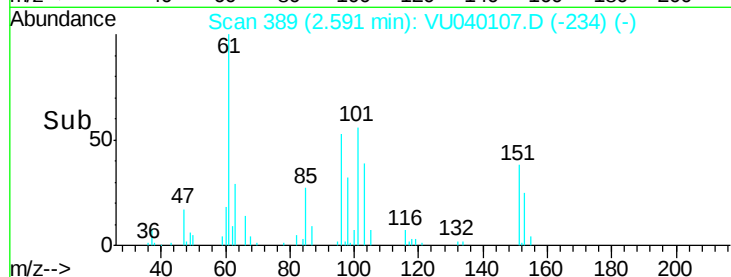
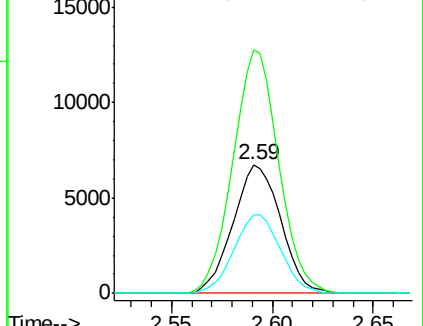
98 60.9 0.0 125.6



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#13

Acetone

Concen: 8.909 ug/l

RT: 2.68 min Scan# 418

Delta R.T. 0.03 min

Lab File: VU040107.D

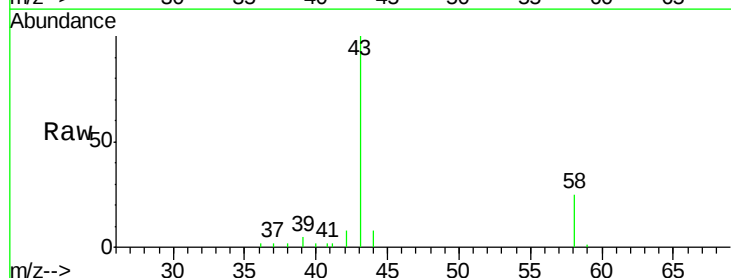
Acq: 11 Sep 2020 16:59

Tgt Ion: 43 Resp: 36647

Ion Ratio Lower Upper

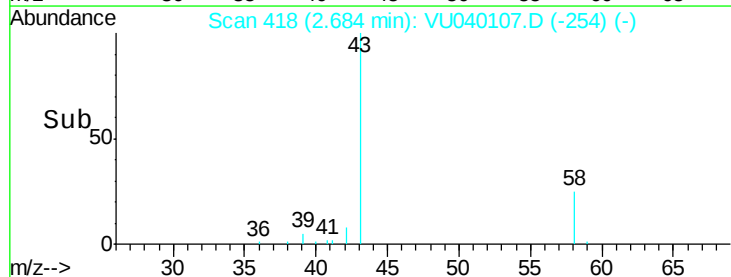
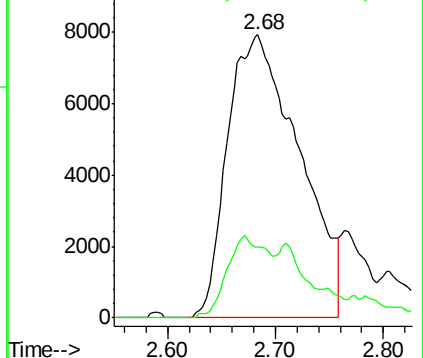
43 100

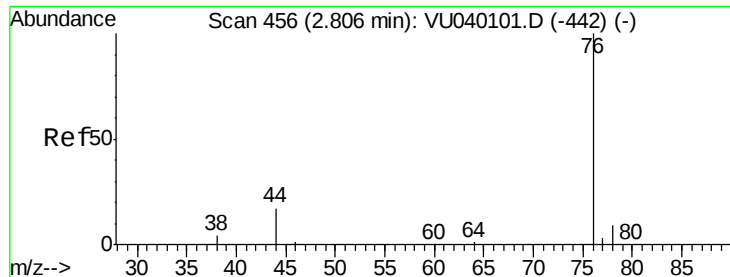
58 25.0 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon Disulfide

Concen: 1.842 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

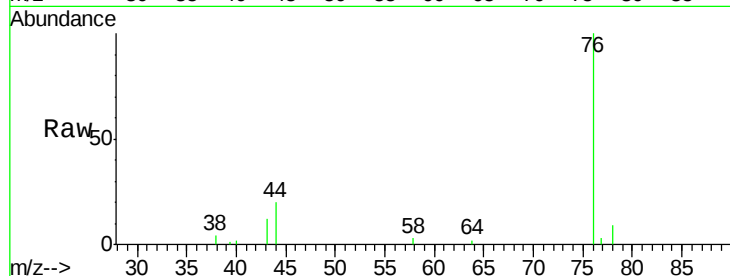
VU0911WBSD01

Tot Ion: 76 Resp: 17491

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU040107.D (-300) (-)

Ion 78.00 (77.70 to 78.70): VU040107.D (-300) (-)

2.81

12000

10000

8000

6000

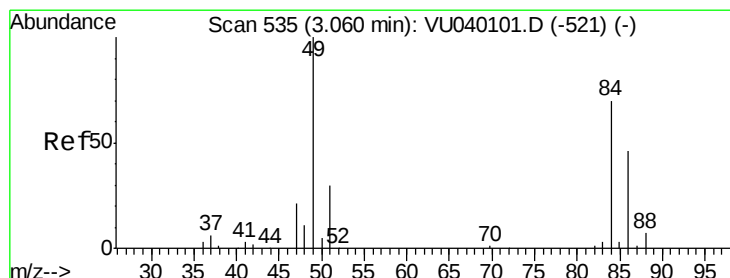
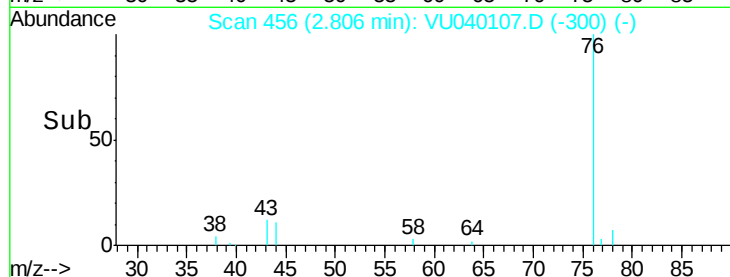
4000

2000

0

Time-->

2.75 2.80 2.85



#15

Methylene Chloride

Concen: 1.977 ug/l

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Tgt Ion: 84 Resp: 18034

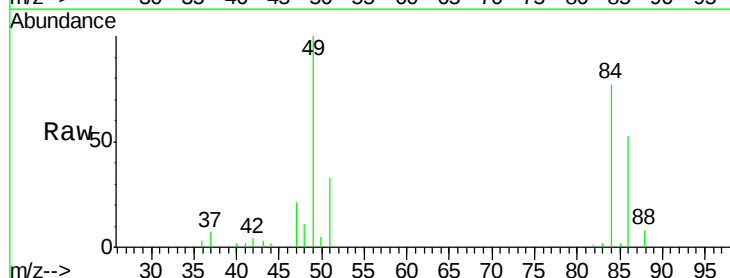
Ion Ratio Lower Upper

84 100

49 130.4 114.3 171.5

51 43.6 0.0 84.6

86 69.2 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VU040107.D (-380) (-)

Ion 49.00 (48.70 to 49.70): VU040107.D (-380) (-)

Ion 51.00 (50.70 to 51.70): VU040107.D (-380) (-)

Ion 86.00 (85.70 to 86.70): VU040107.D (-380) (-)

20000

15000

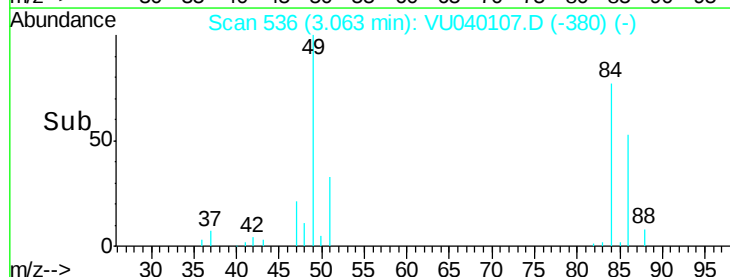
10000

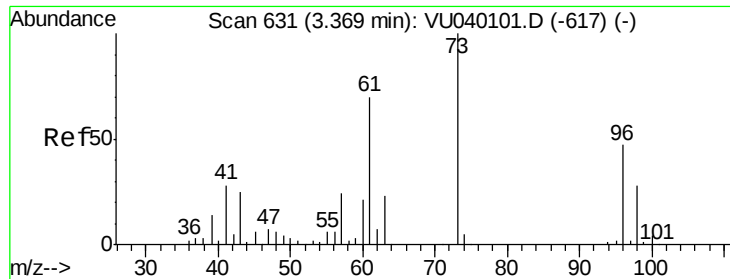
5000

0

Time-->

3.00 3.05 3.10

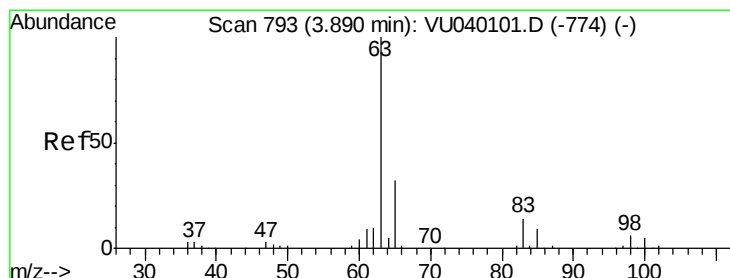
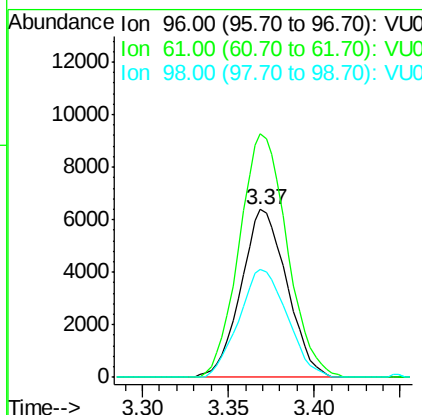
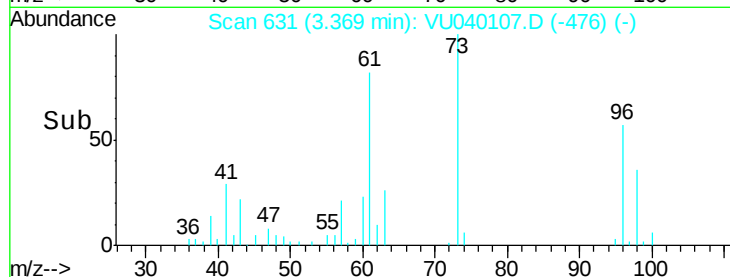
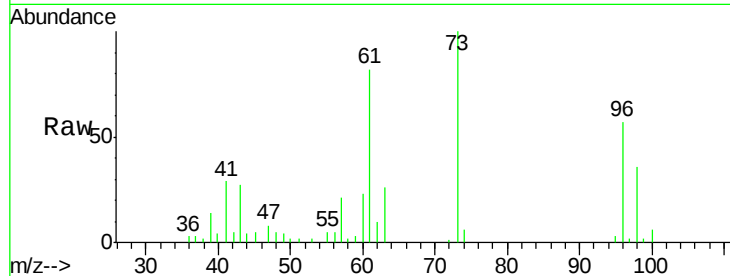




#16
trans-1,2-Dichloroethene
Concen: 2.025 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

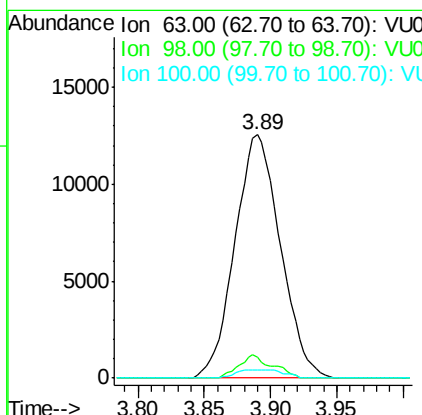
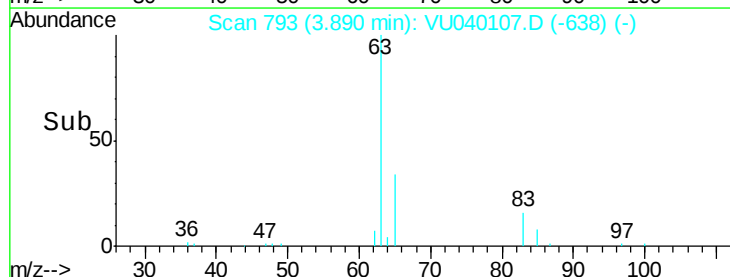
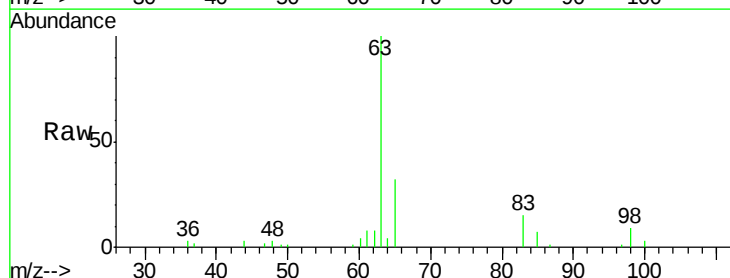
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

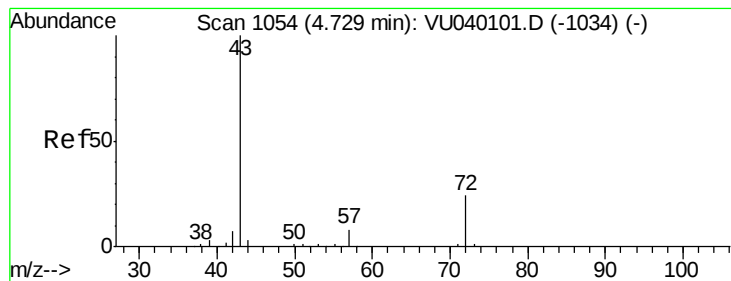
Tot Ion: 96 Resp: 11817
Ion Ratio Lower Upper
96 100
61 145.2 121.4 182.0
98 64.2 51.9 77.9



#17
1,1-Dichloroethane
Concen: 2.092 ug/l
RT: 3.89 min Scan# 793
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 63 Resp: 29969
Ion Ratio Lower Upper
63 100
98 8.6 3.1 9.4
100 3.2 2.0 5.8





#18

2-Butanone

Concen: 9.966 ug/l

RT: 4.74 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

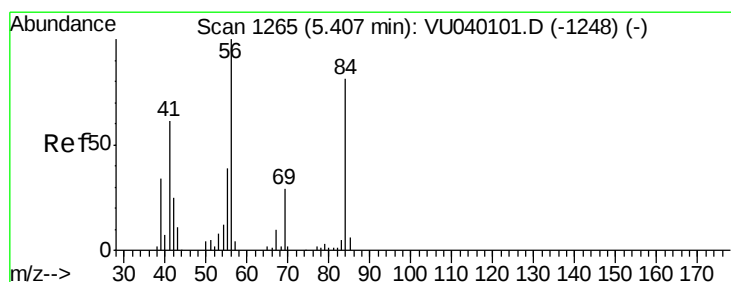
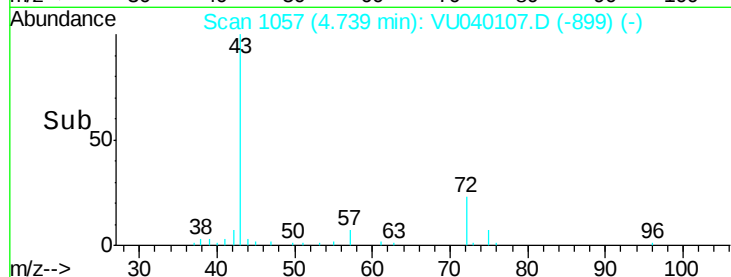
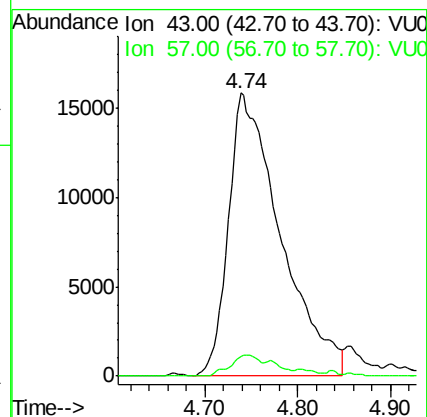
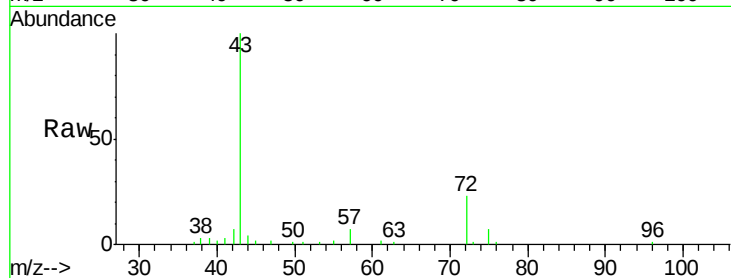
VU0911WBSD01

Tot Ion: 43 Resp: 61918

Ion Ratio Lower Upper

43 100

57 6.9 0.0 15.2



#19

Cyclohexane

Concen: 1.897 ug/l

RT: 5.41 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

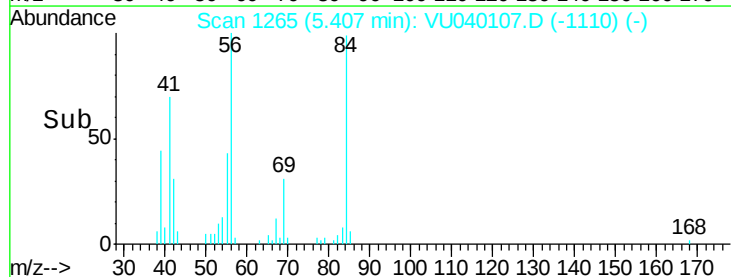
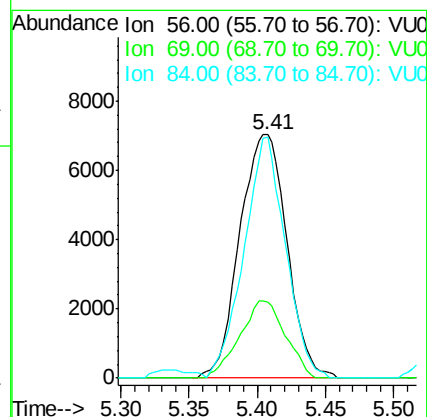
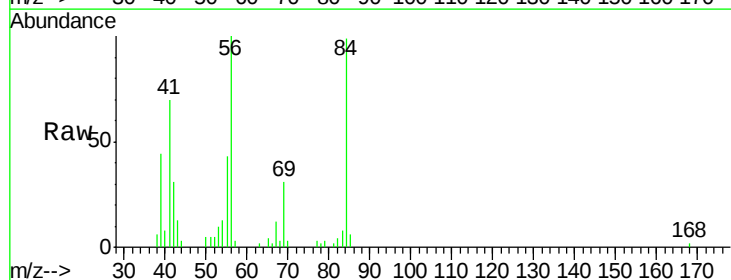
Tgt Ion: 56 Resp: 16875

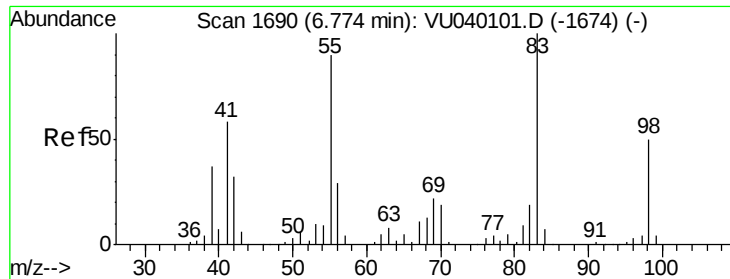
Ion Ratio Lower Upper

56 100

69 30.7 23.5 35.3

84 87.0 63.8 95.6

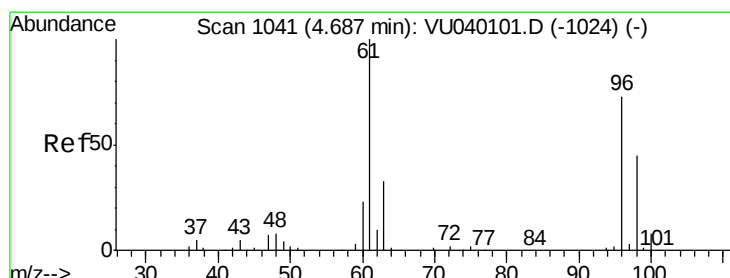
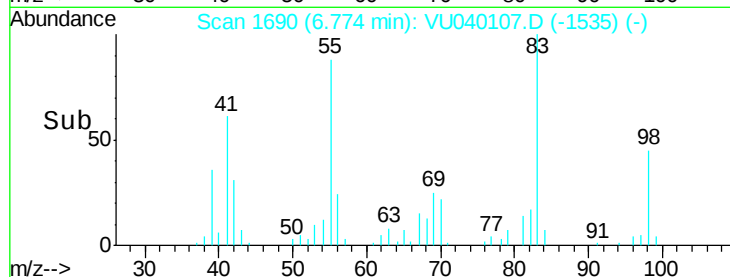
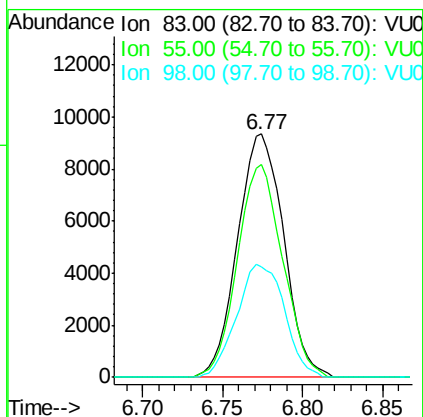
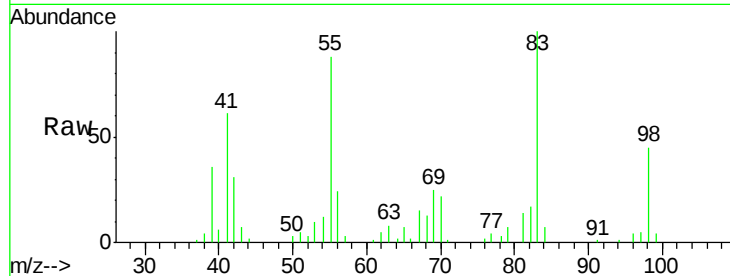




#20
Methvlcvclohexane
Concen: 2.041 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

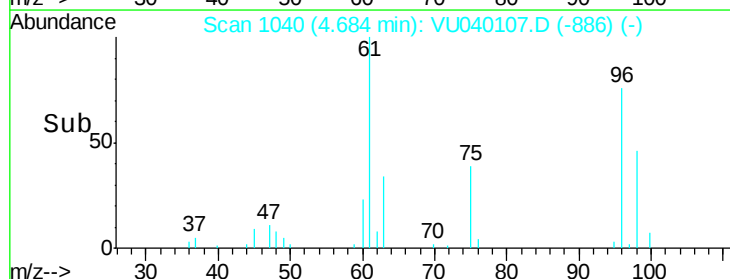
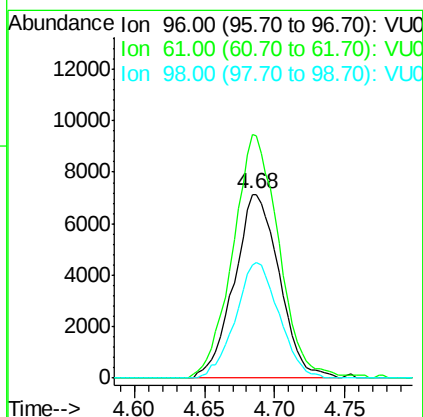
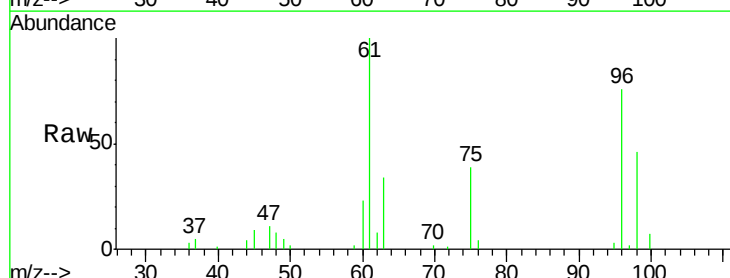
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

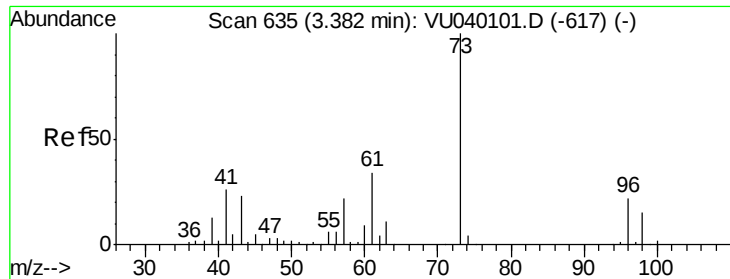
Tot Ion: 83 Resp: 18393
Ion Ratio Lower Upper
83 100
55 85.7 69.4 104.2
98 48.0 37.5 56.3



#22
cis-1,2-Dichloroethene
Concen: 2.176 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 96 Resp: 16007
Ion Ratio Lower Upper
96 100
61 134.4 0.0 420.0
98 60.5 31.8 95.3

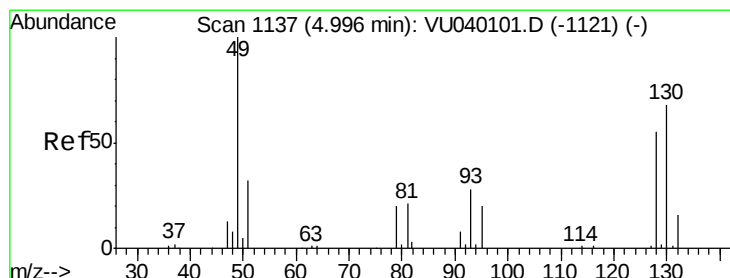
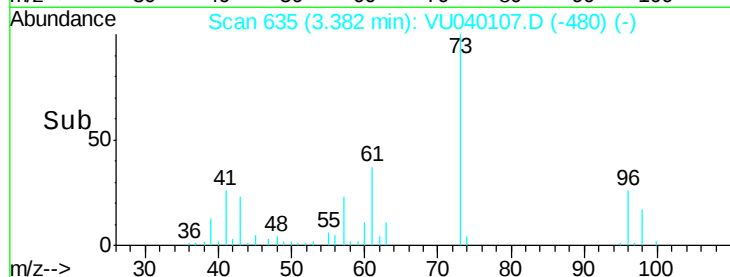
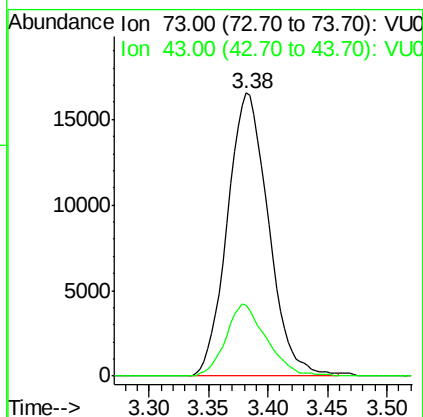
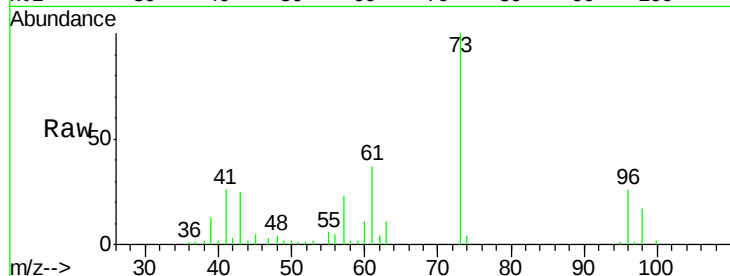




#25
Methvl tert-Butvl Ether
Concen: 2.017 ug/l
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

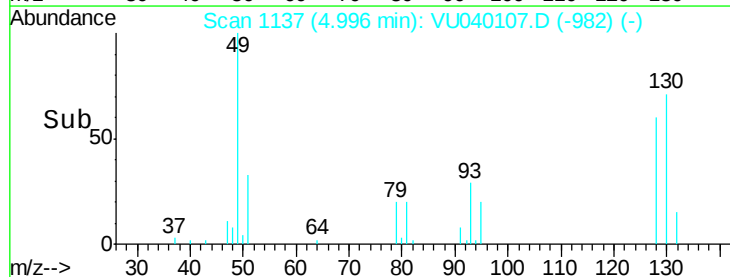
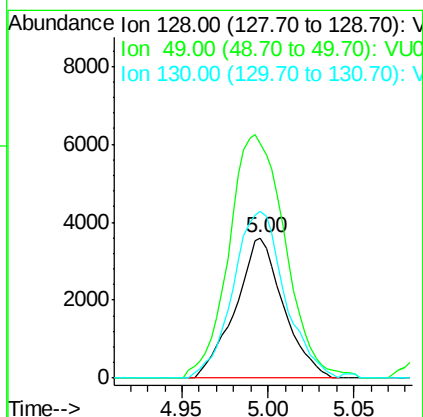
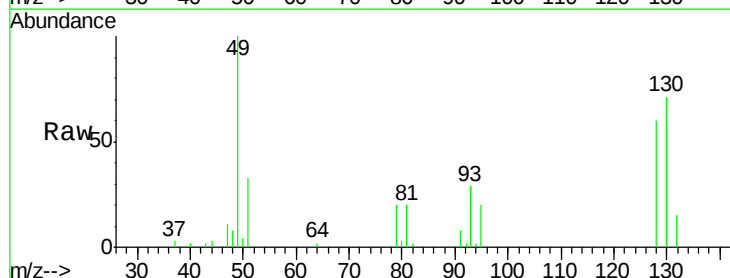
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

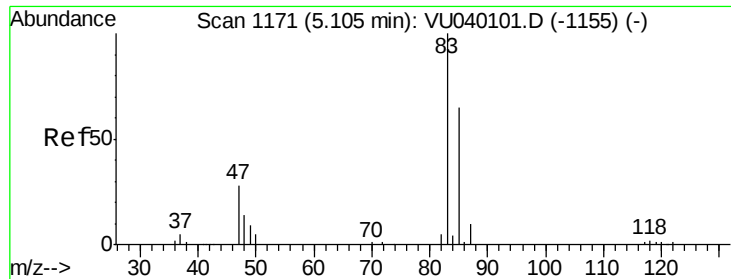
Tot Ion: 73 Resp: 39657
Ion Ratio Lower Upper
73 100
43 25.2 20.0 30.0



#26
Bromochloromethane
Concen: 1.950 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 128 Resp: 6971
Ion Ratio Lower Upper
128 100
49 203.7 0.0 390.6
130 128.5 104.9 157.3

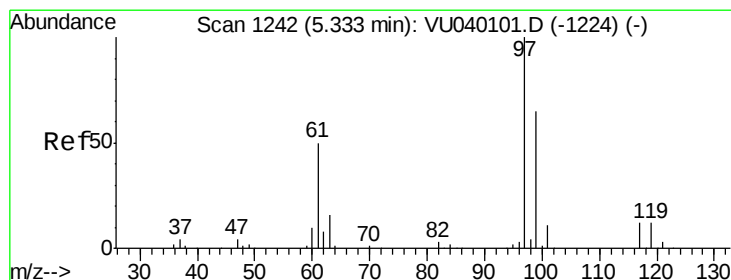
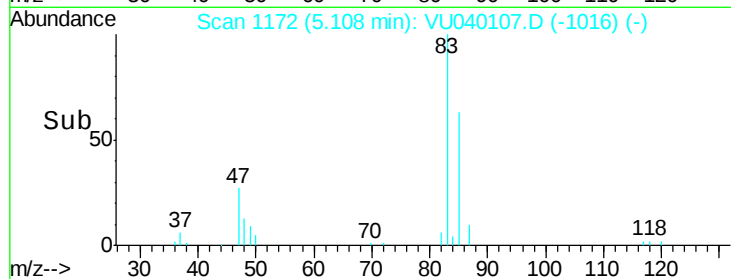
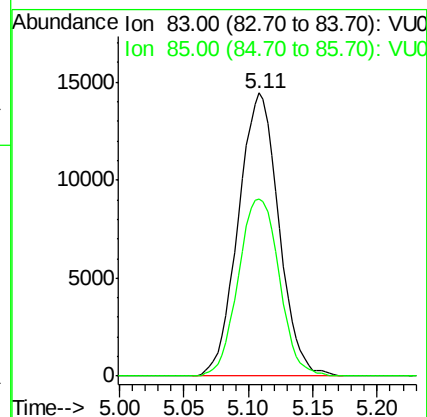
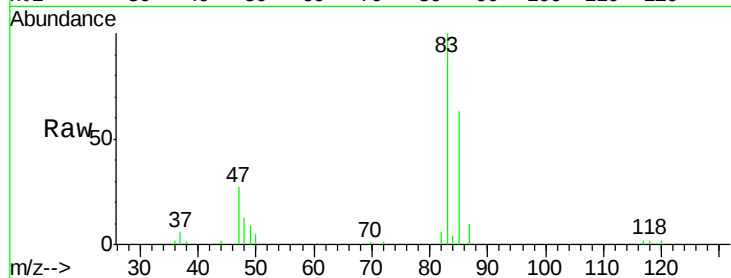




#27
Chloroform
Concen: 2.016 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

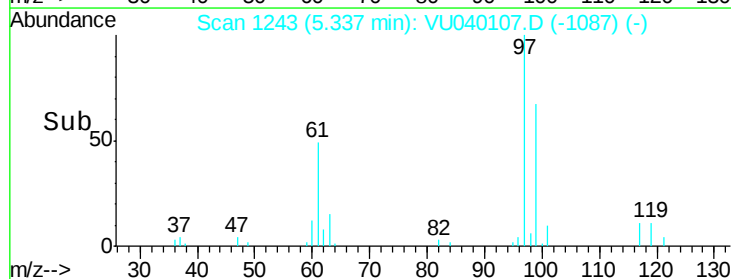
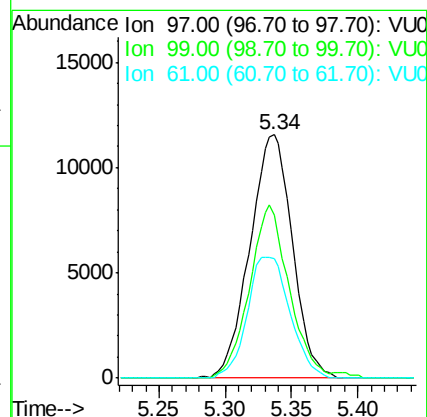
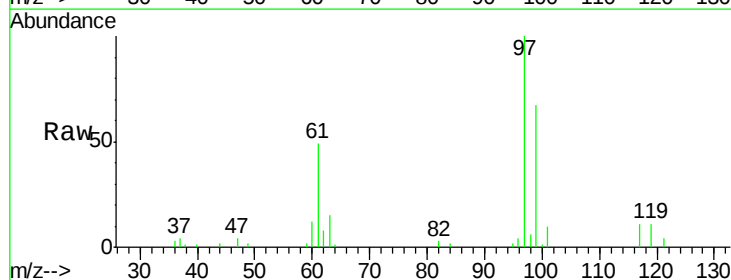
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

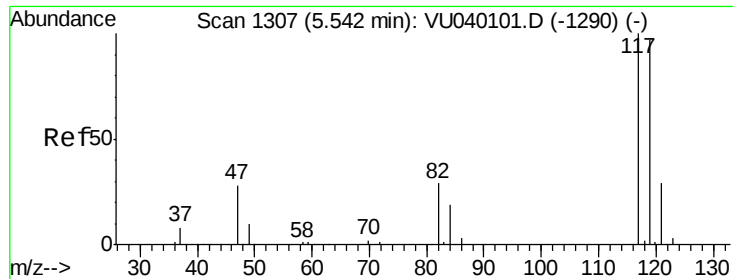
Tot Ion: 83 Resp: 31589
Ion Ratio Lower Upper
83 100
85 62.7 0.0 132.4



#28
1,1,1-Trichloroethane
Concen: 1.959 ug/l
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 97 Resp: 25801
Ion Ratio Lower Upper
97 100
99 66.0 31.8 95.4
61 49.9 25.1 75.2

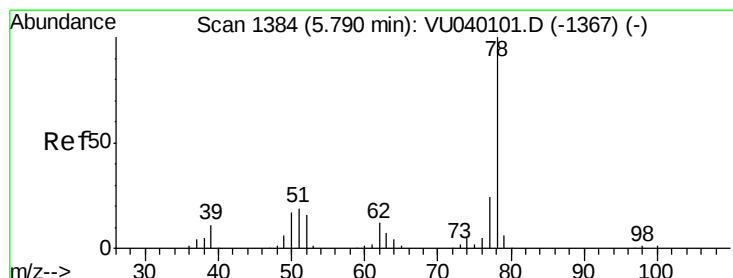
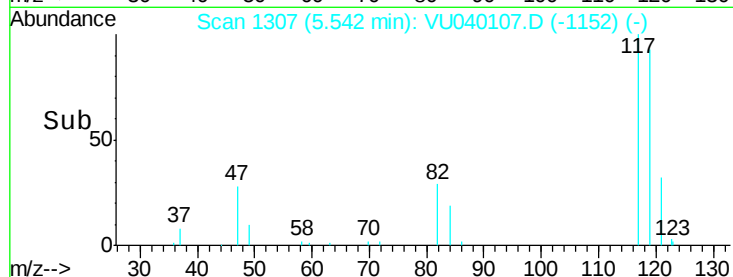
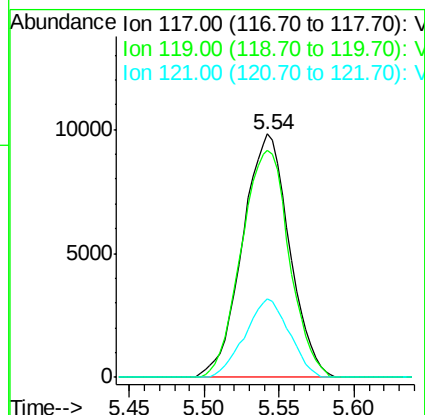
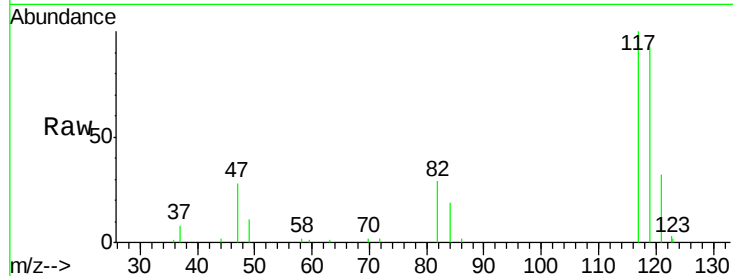




#30
Carbon Tetrachloride
Concen: 1.980 ug/l
RT: 5.54 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

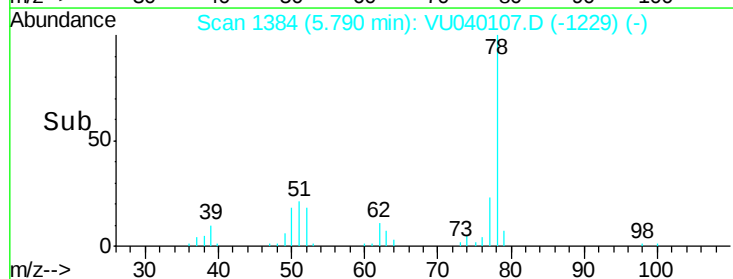
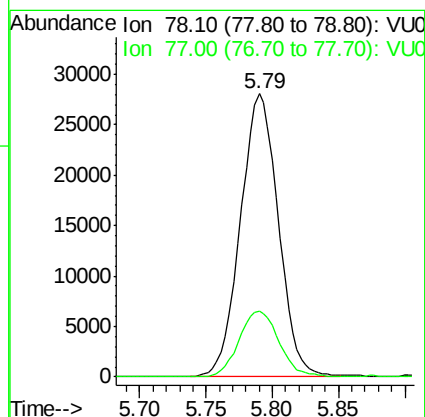
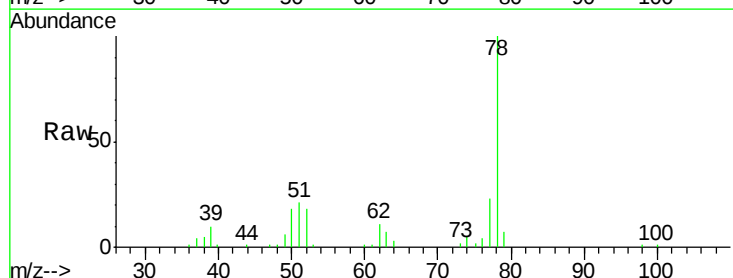
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

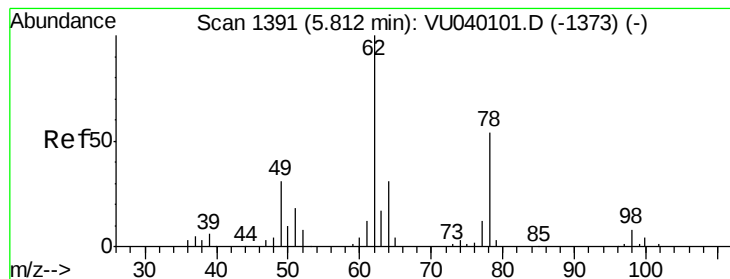
Tot Ion:117 Resp: 21413
Ion Ratio Lower Upper
117 100
119 93.2 77.0 115.4
121 32.4 24.2 36.4



#35
Benzene
Concen: 1.990 ug/l
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 78 Resp: 55959
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7





#36

1,2-Dichloroethane

Concen: 2.052 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

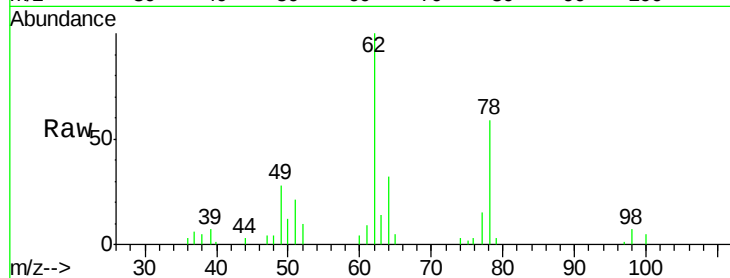
VU0911WBSD01

Tot Ion: 62 Resp: 23187

Ion Ratio Lower Upper

62 100

98 8.0 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU040107.D (-1236) (-)

Ion 98.00 (97.70 to 98.70): VU040107.D (-1236) (-)

12000

10000

8000

6000

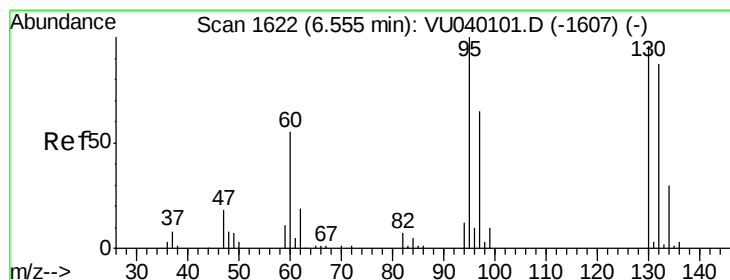
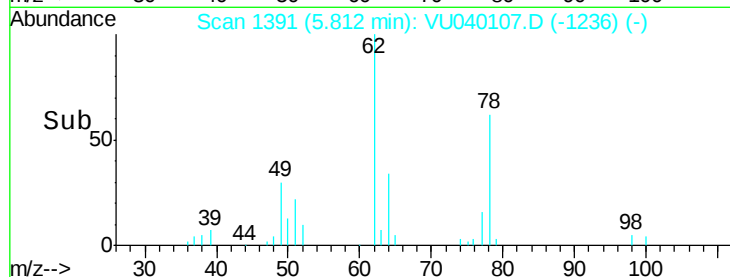
4000

2000

0

5.75 5.80 5.85 5.90

Time-->



#37

Trichloroethene

Concen: 2.054 ug/l

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040107.D

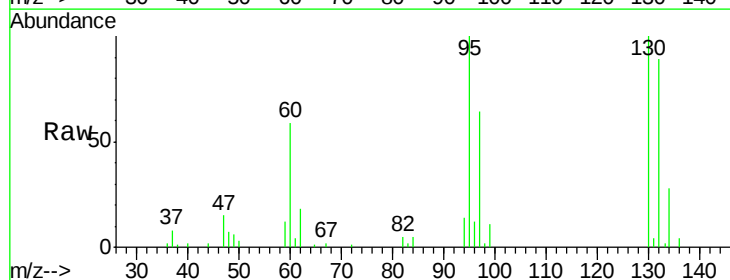
Acq: 11 Sep 2020 16:59

Tgt Ion:130 Resp: 14834

Ion Ratio Lower Upper

130 100

95 100.5 84.2 126.2



Abundance Ion 129.90 (129.60 to 130.60): VU040107.D (-1467) (-)

Ion 94.90 (94.60 to 95.60): VU040107.D (-1467) (-)

10000

8000

6000

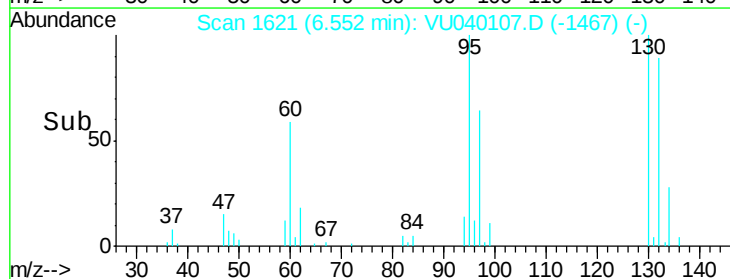
4000

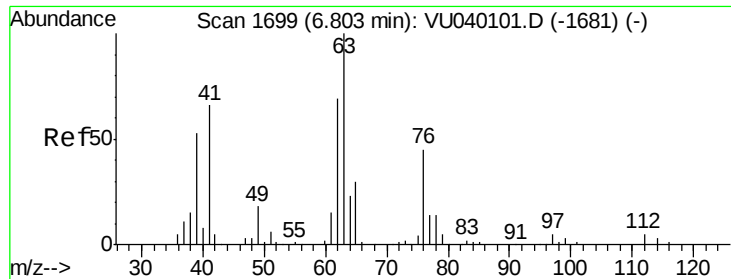
2000

0

6.50 6.55 6.60

Time-->

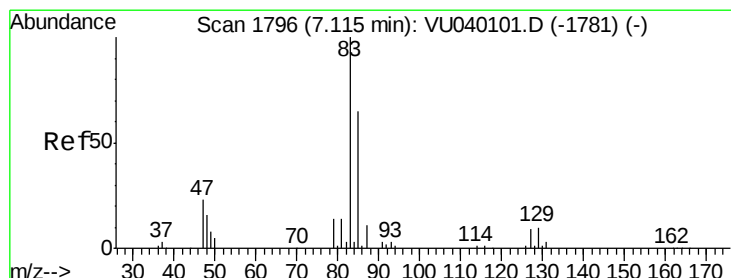
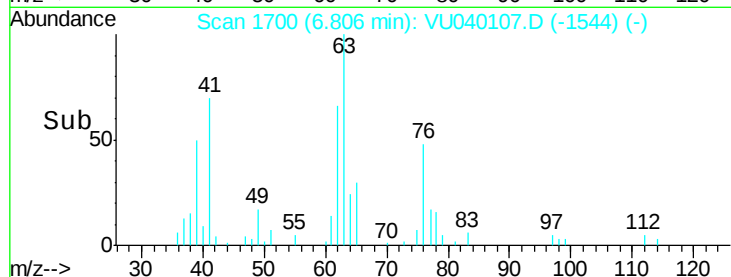
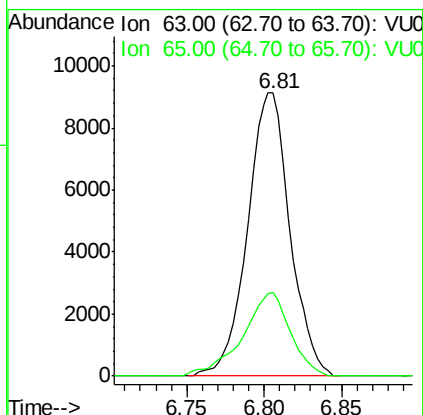
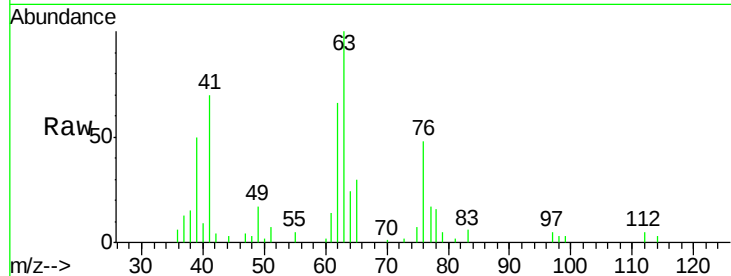




#38
 1,2-Dichloropropane
 Concen: 2.004 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

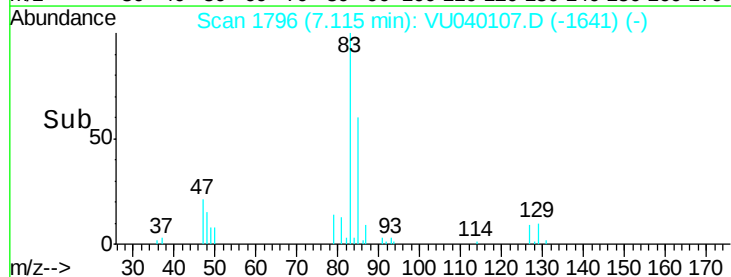
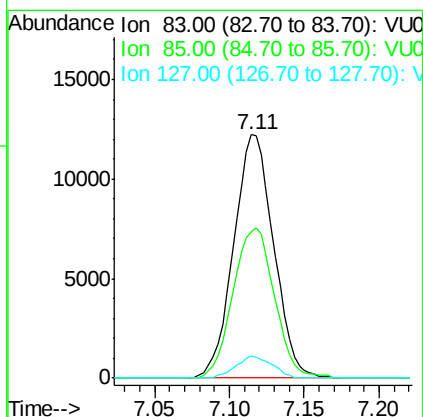
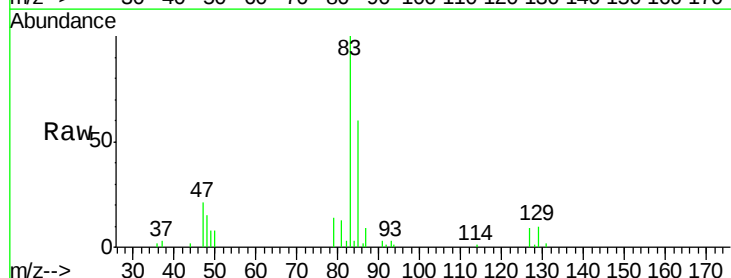
Instrument :
 MSVOA_U
 ClientSampled :
 VU0911WBSD01

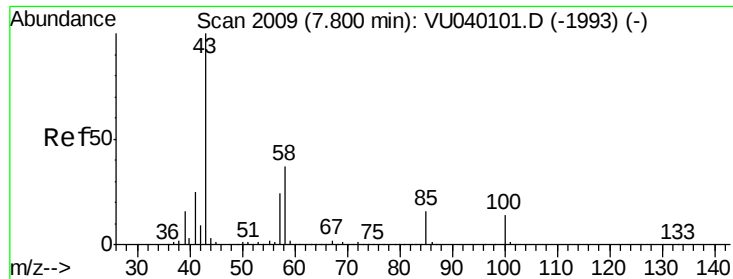
Tot Ion: 63 Resp: 17442
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.0 34.6



#44
 Bromodichloromethane
 Concen: 1.911 ug/l
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Tgt Ion: 83 Resp: 22722
 Ion Ratio Lower Upper
 83 100
 85 60.1 52.1 78.1
 127 9.2 6.6 9.8

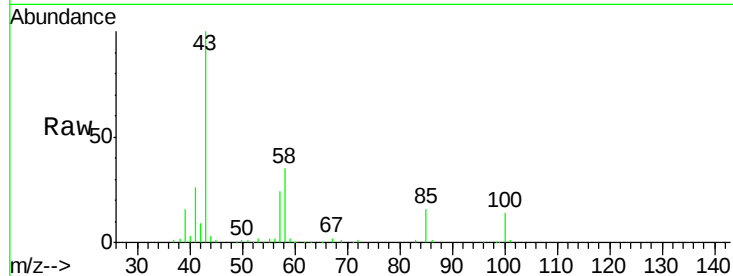




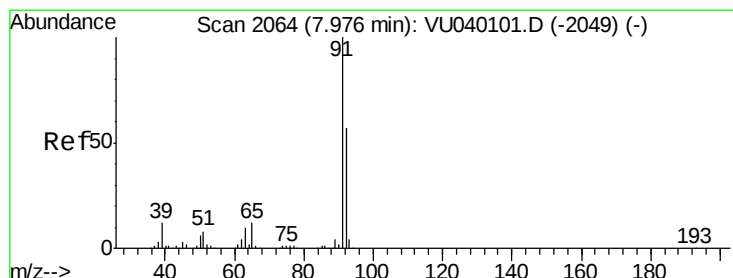
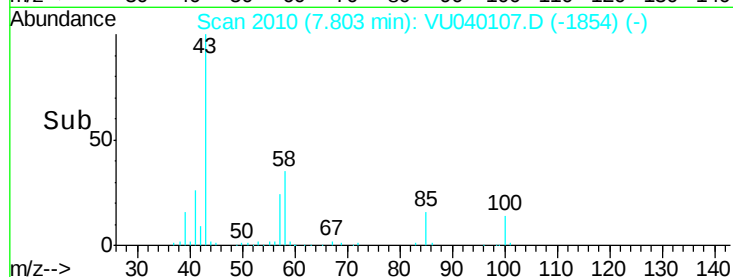
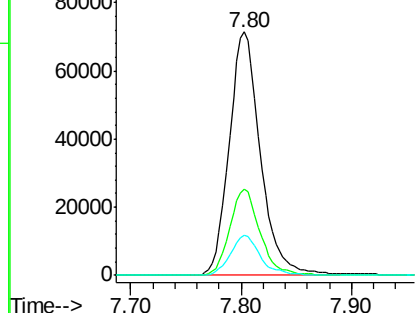
#45
 4-Methyl-2-Pentanone
 Concen: 9.894 ug/l
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion: 43 Resp: 140313
 Ion Ratio Lower Upper
 43 100
 58 34.2 18.1 54.3
 85 15.6 12.3 18.5

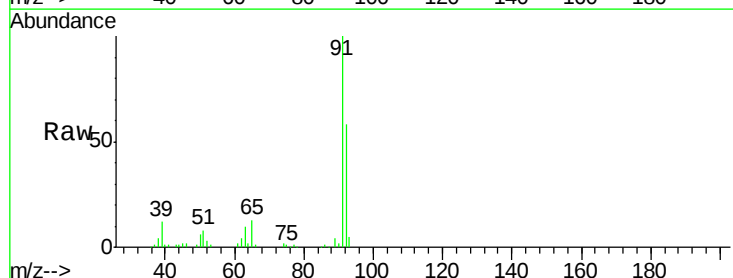


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

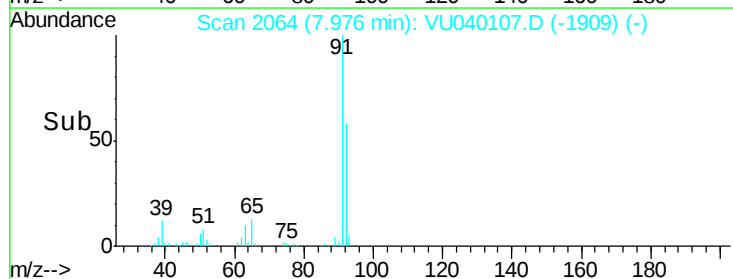
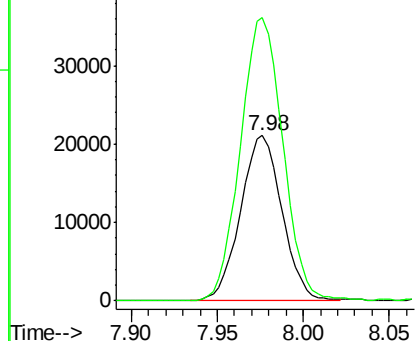


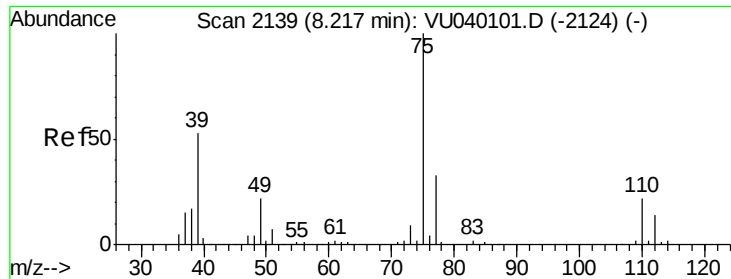
#49
 Toluene
 Concen: 1.983 ug/l
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Tgt Ion: 92 Resp: 35355
 Ion Ratio Lower Upper
 92 100
 91 175.4 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VU0
 Ion 91.00 (90.70 to 91.70): VU0

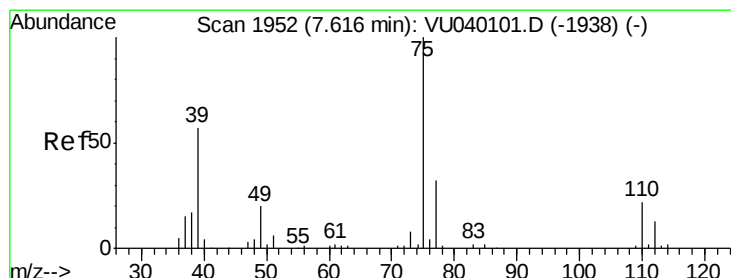
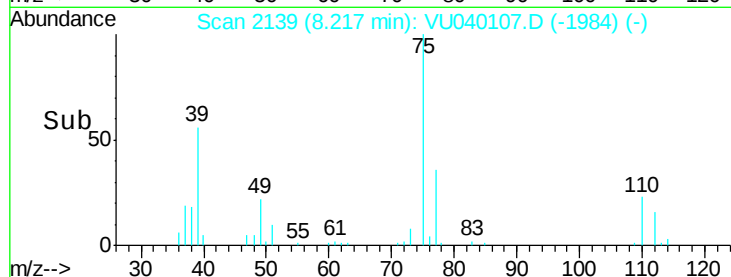
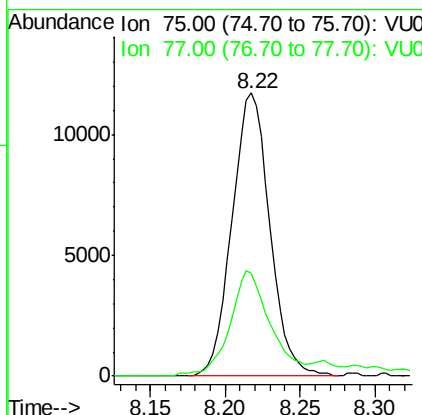
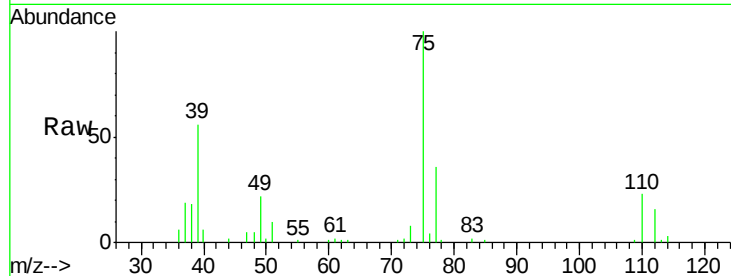




#50
t-1,3-Dichloropropene
Concen: 1.852 ug/l
RT: 8.22 min Scan# 2139
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

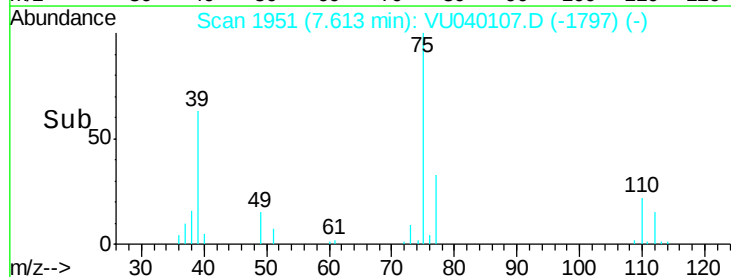
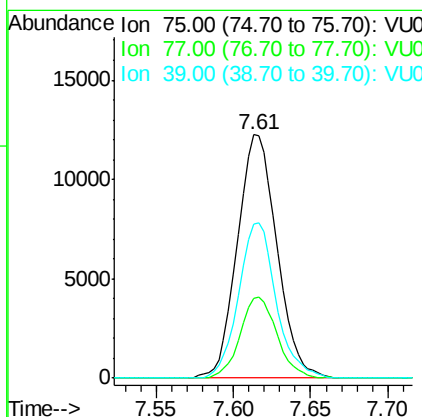
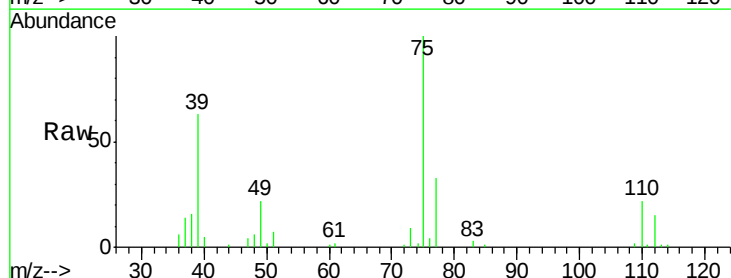
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

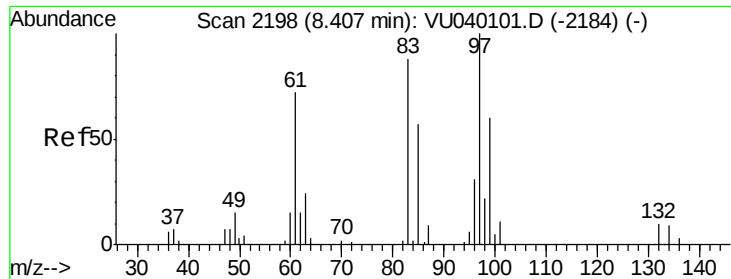
Tot Ion: 75 Resp: 20627
Ion Ratio Lower Upper
75 100
77 35.5 24.4 36.6



#51
cis-1,3-Dichloropropene
Concen: 1.901 ug/l
RT: 7.61 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 75 Resp: 21792
Ion Ratio Lower Upper
75 100
77 32.8 24.6 37.0
39 63.1 46.2 69.4

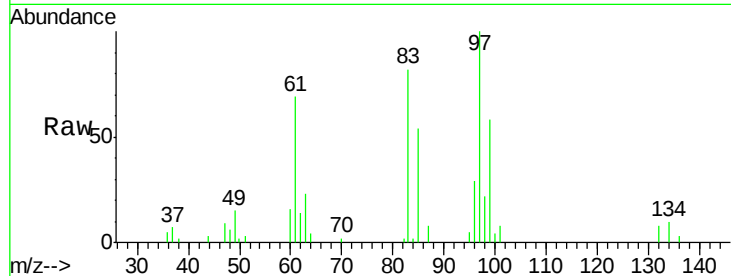




#52
 1,1,2-Trichloroethane
 Concen: 1.920 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion:	97	Resp:	13275
Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.7	103.1
85	54.4	46.7	70.1
99	58.5	48.6	72.8

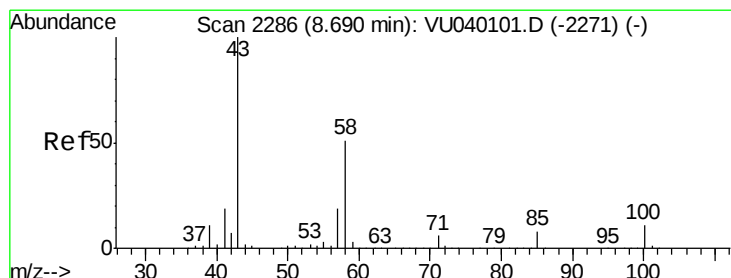
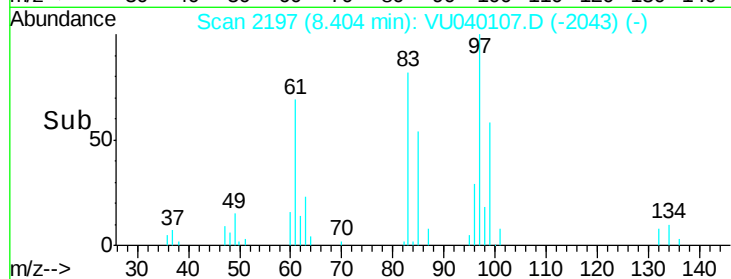
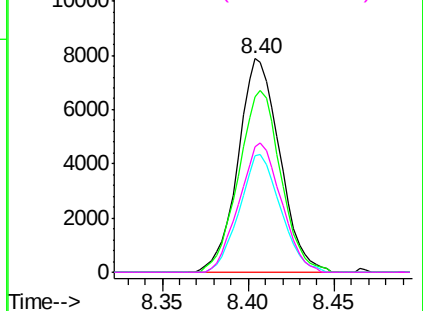


Abundance Ion 97.00 (96.70 to 97.70): VU040107.D (-2197) (-)

Ion 82.95 (82.65 to 83.65): VU040107.D (-2197) (-)

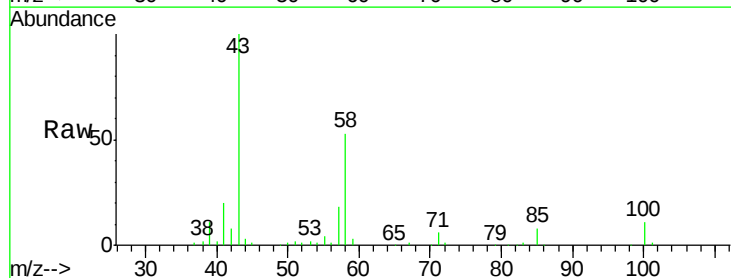
Ion 84.95 (84.65 to 85.65): VU040107.D (-2197) (-)

Ion 98.95 (98.65 to 99.65): VU040107.D (-2197) (-)



#54
 2-Hexanone
 Concen: 9.860 ug/l
 RT: 8.69 min Scan# 2287
 Delta R.T. 0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

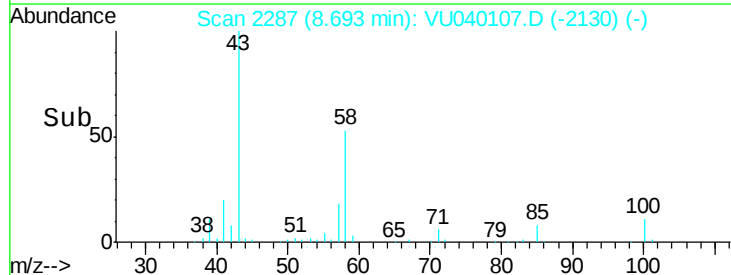
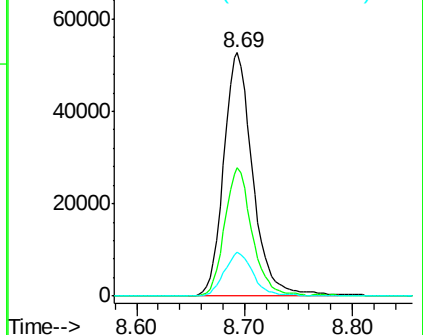
Tgt Ion:	43	Resp:	98845
Ion	Ratio	Lower	Upper
43	100		
58	49.8	29.6	69.6
57	17.9	0.0	37.8

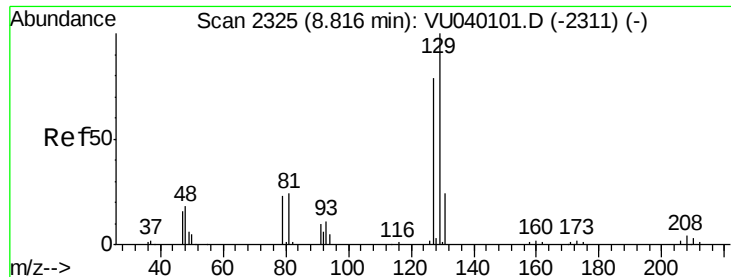


Abundance Ion 43.00 (42.70 to 43.70): VU040107.D (-2287) (-)

Ion 58.00 (57.70 to 58.70): VU040107.D (-2287) (-)

Ion 57.00 (56.70 to 57.70): VU040107.D (-2287) (-)

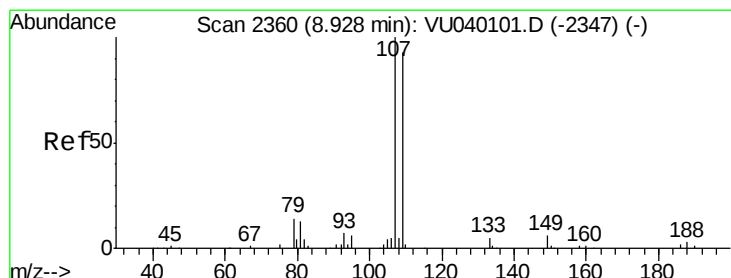
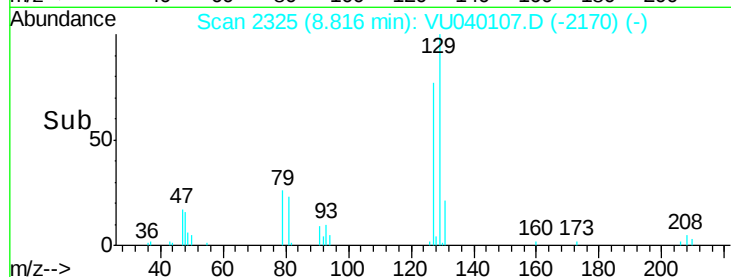
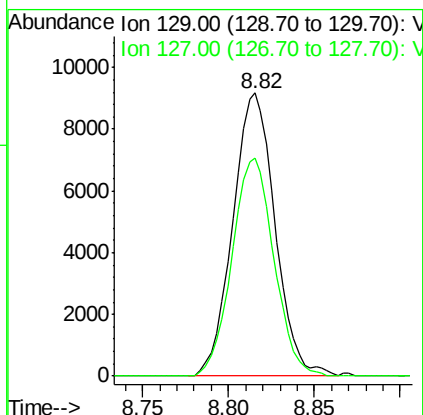
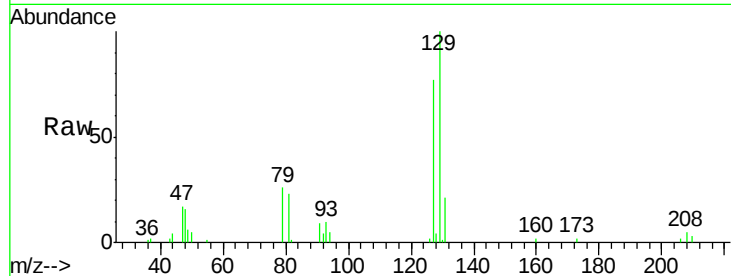




#55
 Dibromochloromethane
 Concen: 1.963 ug/l
 RT: 8.82 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

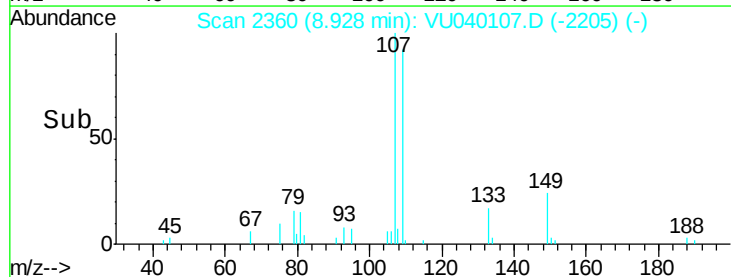
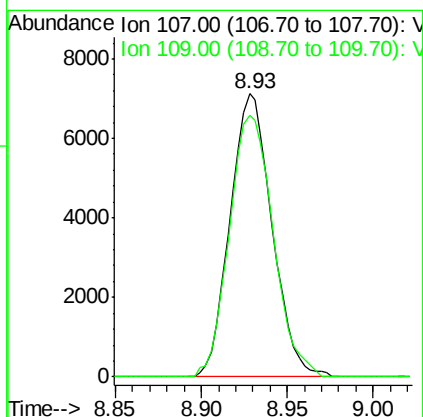
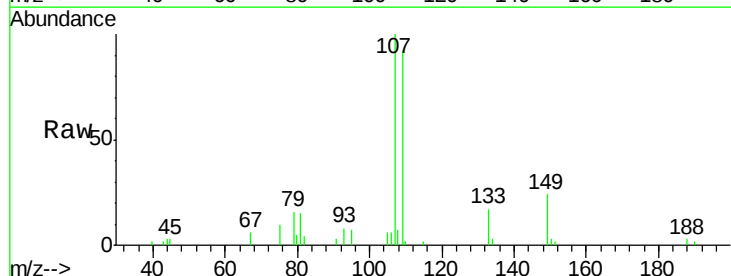
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

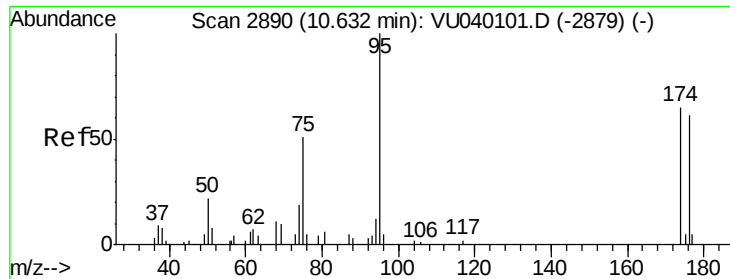
Tot Ion:129 Resp: 15689
 Ion Ratio Lower Upper
 129 100
 127 76.5 62.7 94.1



#56
 1,2-Dibromoethane
 Concen: 1.902 ug/l
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Tgt Ion:107 Resp: 12086
 Ion Ratio Lower Upper
 107 100
 109 97.2 0.0 191.0

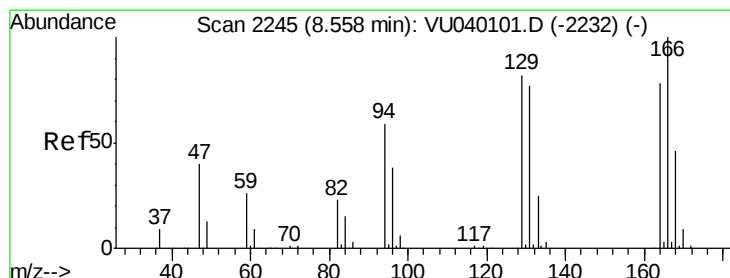
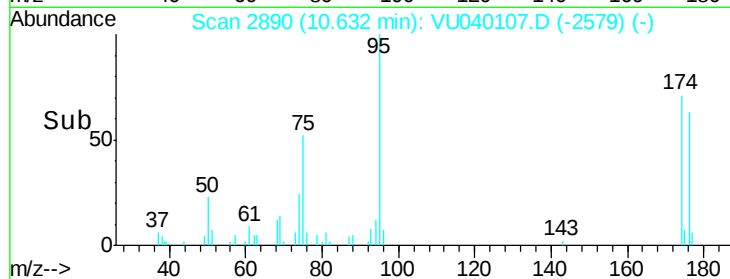
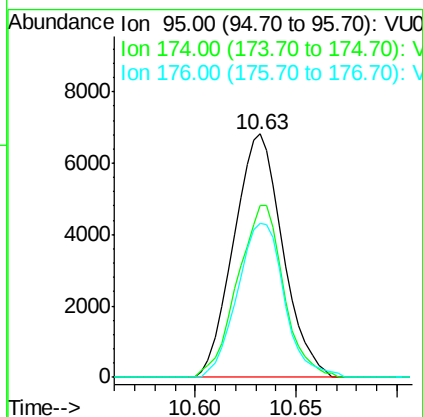
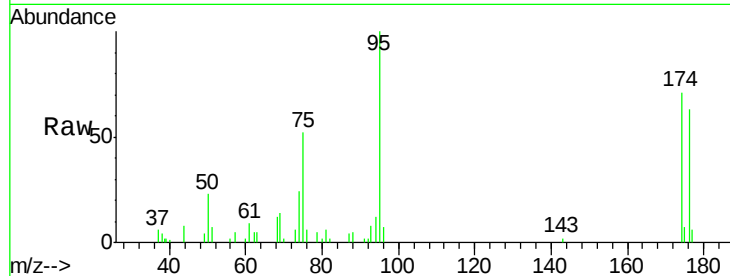




#57
4-Bromofluorobenzene
Concen: 0.989 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

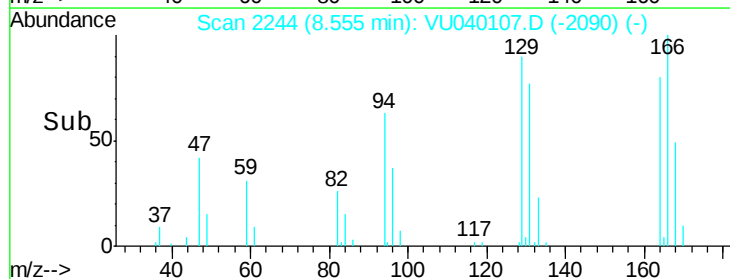
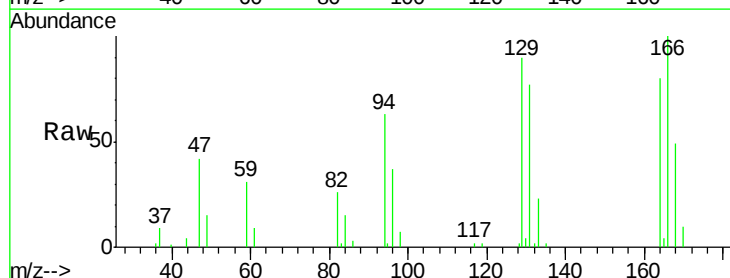
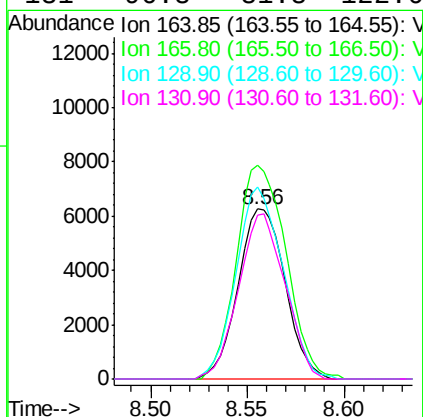
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

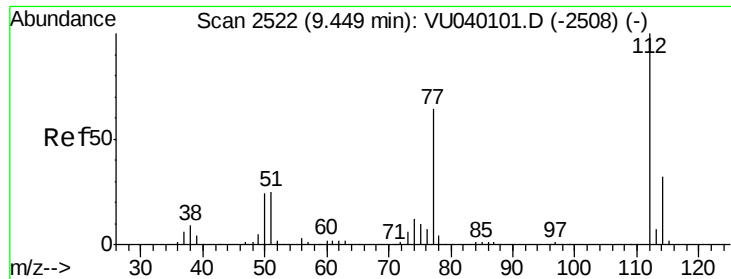
Tot Ion: 95 Resp: 11563
Ion Ratio Lower Upper
95 100
174 66.6 49.4 74.0
176 60.9 50.1 75.1



#58
Tetrachloroethene
Concen: 1.975 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 164 Resp: 10601
Ion Ratio Lower Upper
164 100
166 125.8 101.3 151.9
129 113.2 84.8 127.2
131 96.8 81.8 122.6





#59

Chlorobenzene

Concen: 2.004 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

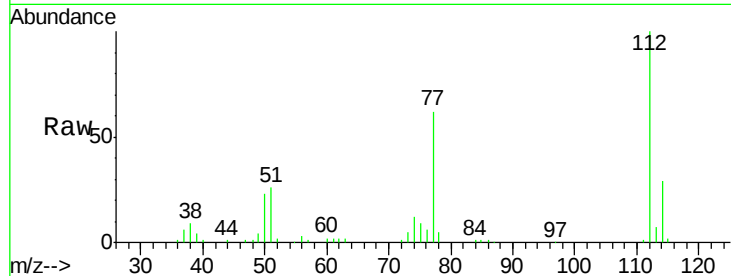
VU0911WBSD01

Tot Ion:112 Resp: 42027

Ion Ratio Lower Upper

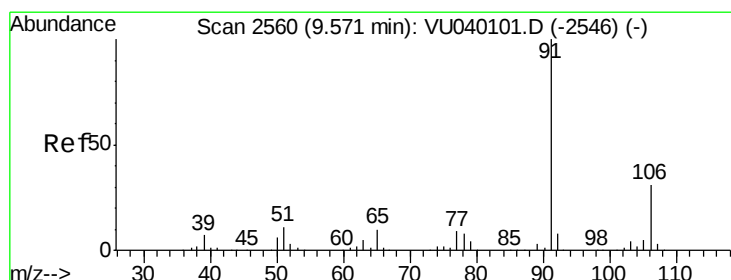
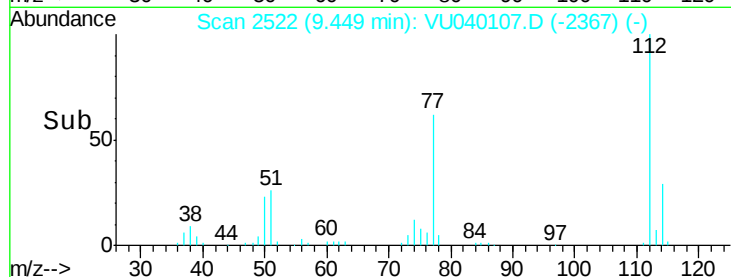
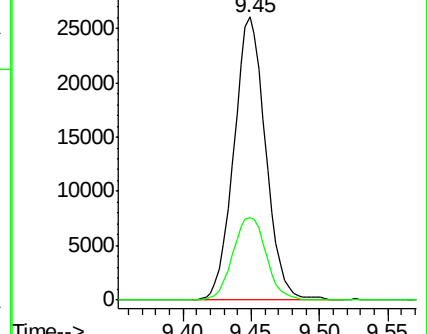
112 100

114 29.3 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#63

Ethyl Benzene

Concen: 1.900 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040107.D

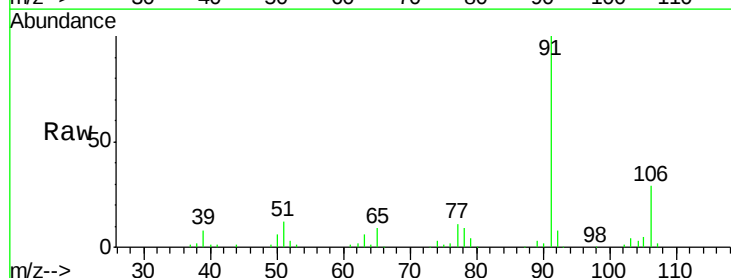
Acq: 11 Sep 2020 16:59

Tgt Ion: 91 Resp: 66159

Ion Ratio Lower Upper

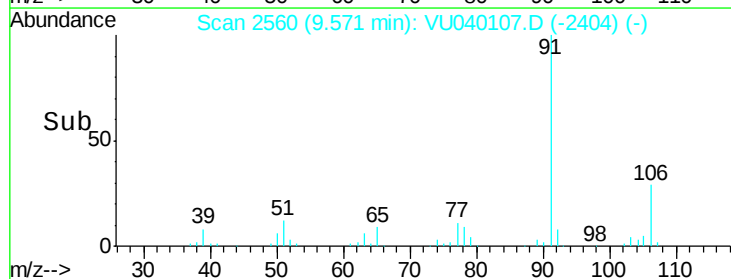
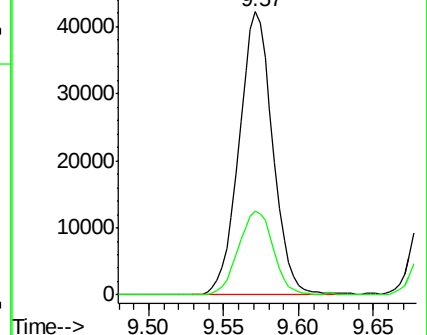
91 100

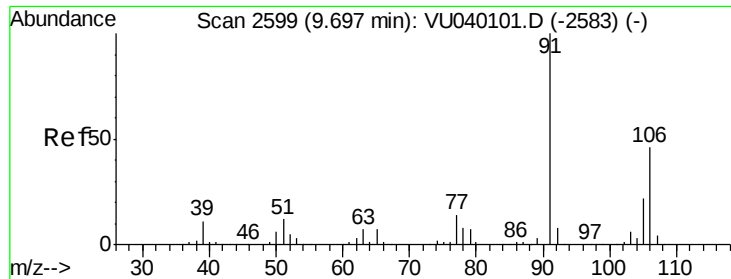
106 29.4 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 3.936 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

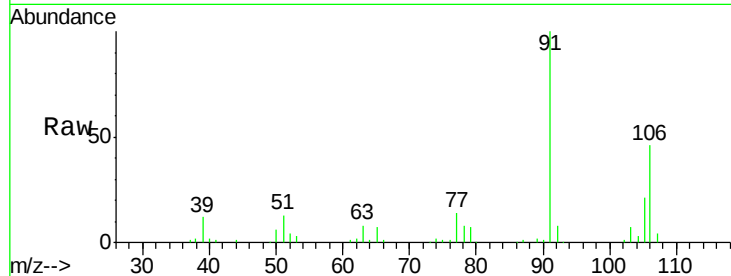
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion:106 Resp: 26026

Ion Ratio Lower Upper

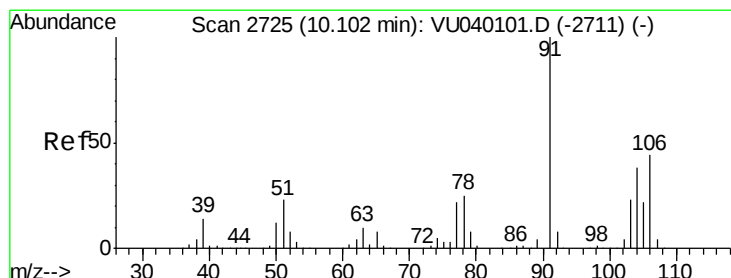
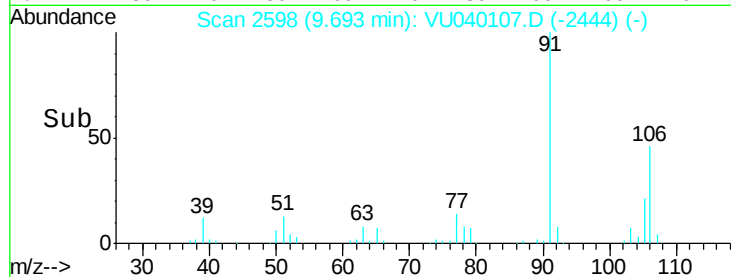
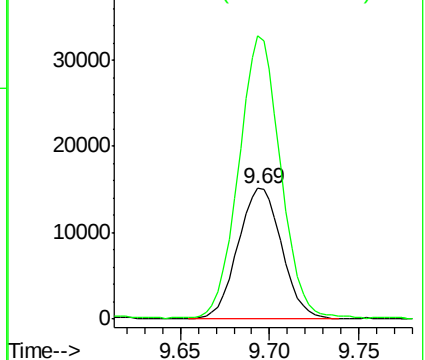
106 100

91 208.0 171.4 257.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 2.012 ug/l

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040107.D

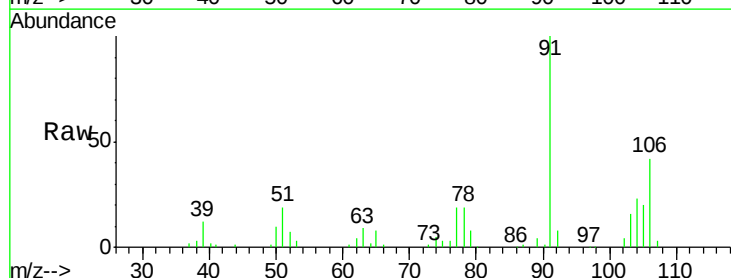
Acq: 11 Sep 2020 16:59

Tgt Ion:106 Resp: 25529

Ion Ratio Lower Upper

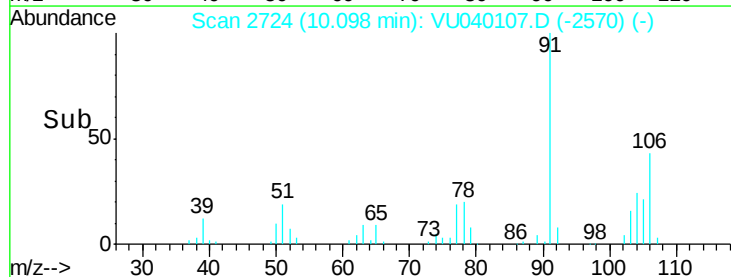
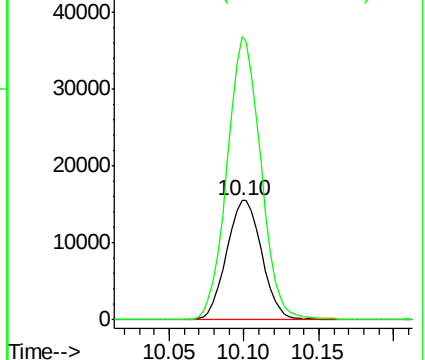
106 100

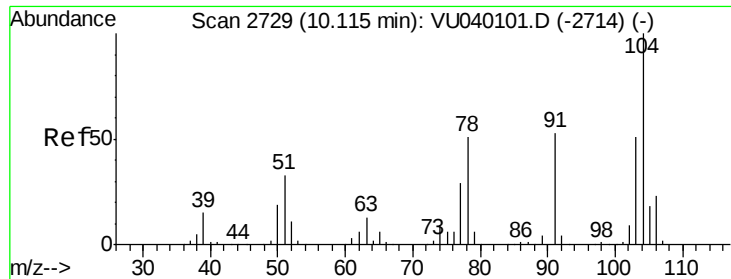
91 226.6 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

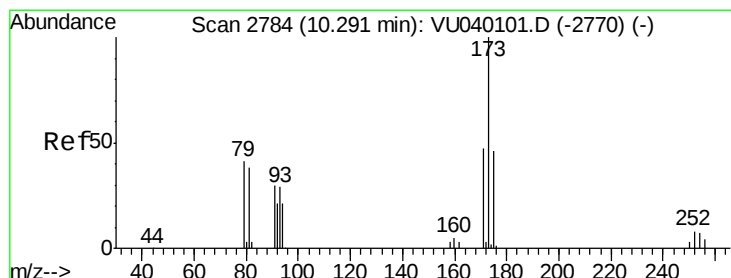
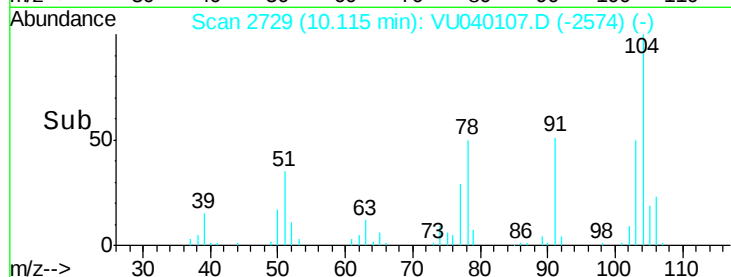
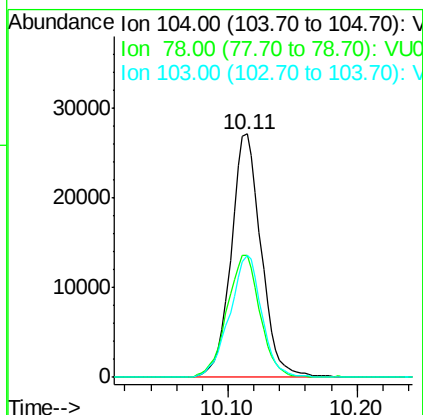
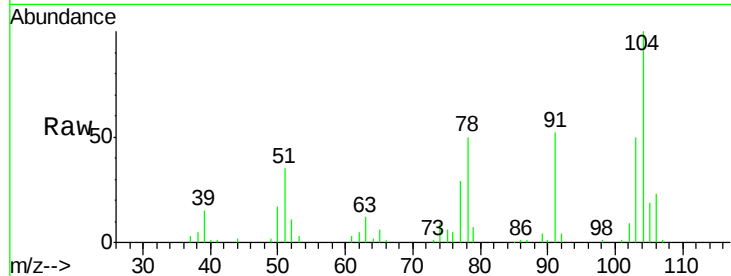




#66
Stvrene
Concen: 1.936 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

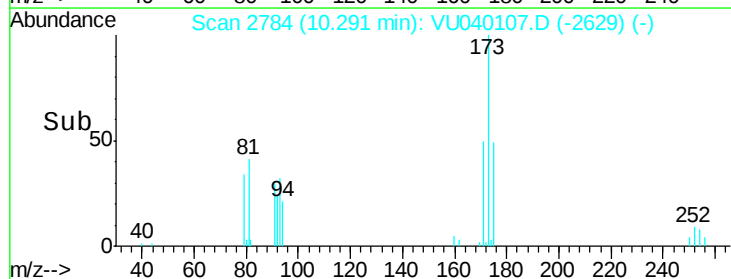
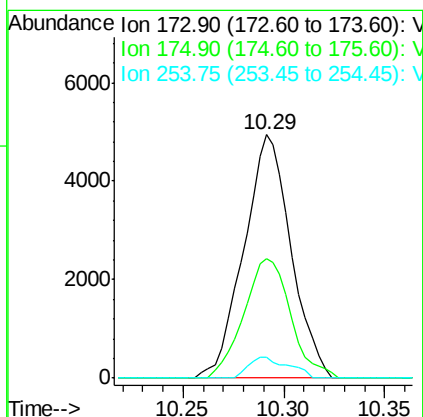
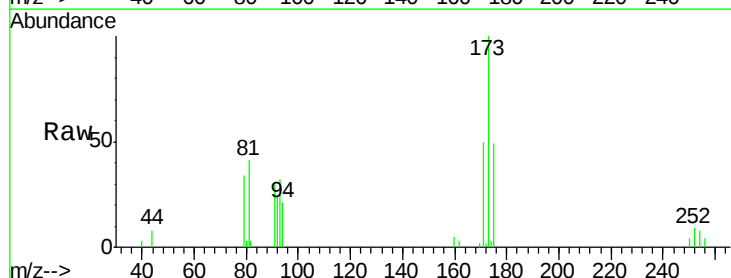
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

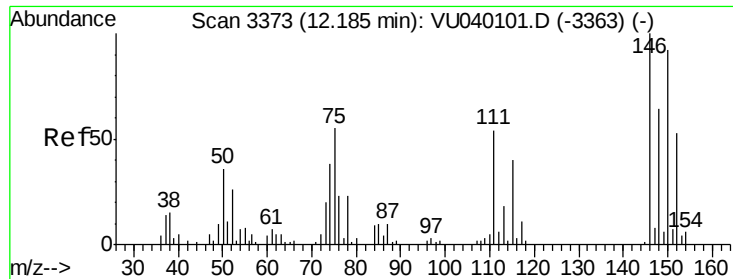
Tot Ion:104 Resp: 43851
Ion Ratio Lower Upper
104 100
78 55.0 43.9 65.9
103 53.3 43.7 65.5



#67
Bromoform
Concen: 1.923 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion:173 Resp: 8050
Ion Ratio Lower Upper
173 100
175 49.1 38.0 57.0
254 7.4 5.8 8.8

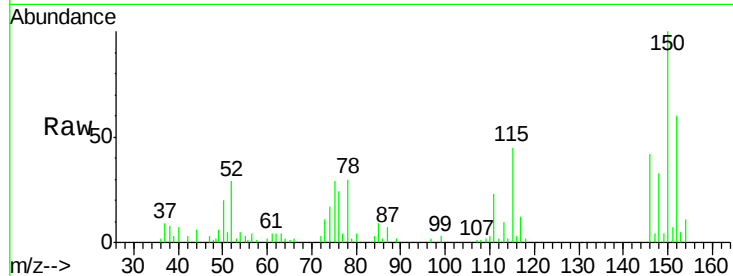




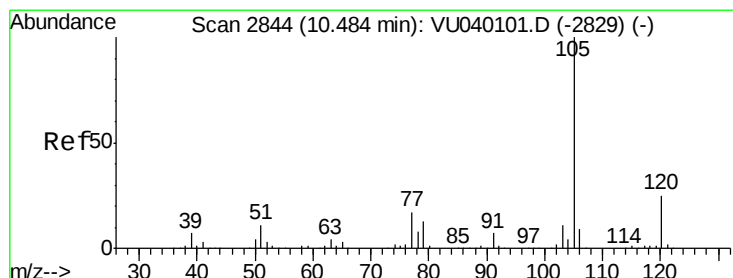
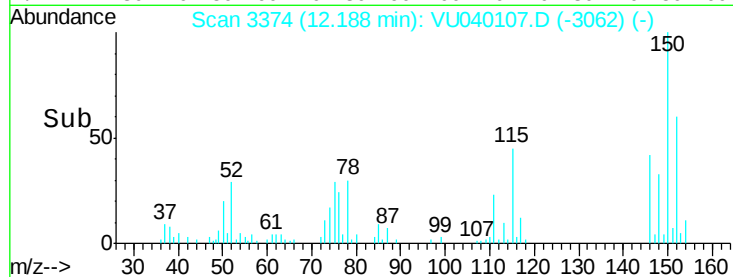
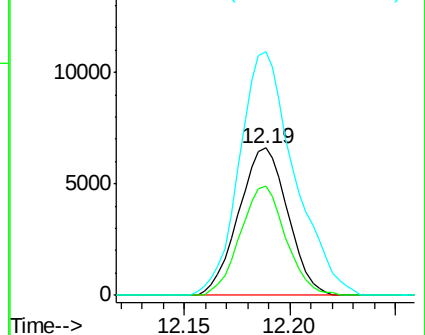
#68
 1,2-Dichlorobenzene-d4
 Concen: 1.016 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. 0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion:152 Resp: 10678
 Ion Ratio Lower Upper
 152 100
 115 68.9 0.0 309.0
 150 186.1 0.0 658.2

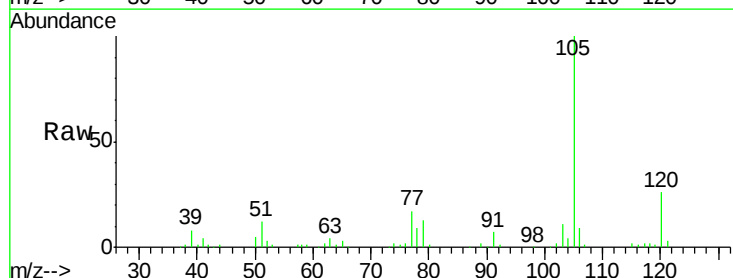


Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V

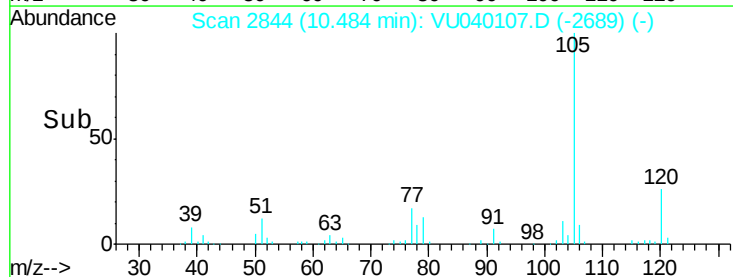
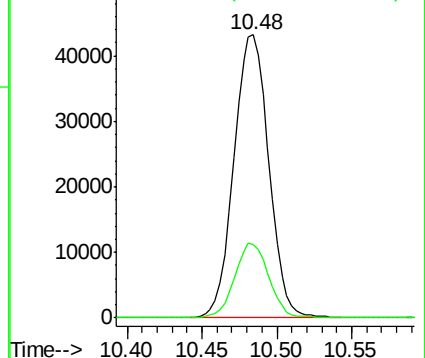


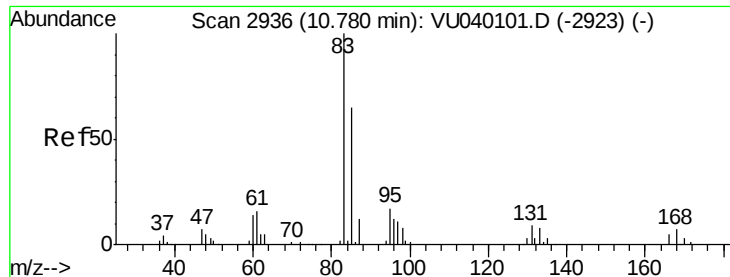
#69
 Isopropylbenzene
 Concen: 1.995 ug/l
 RT: 10.48 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Tgt Ion:105 Resp: 70110
 Ion Ratio Lower Upper
 105 100
 120 25.7 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 1.897 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

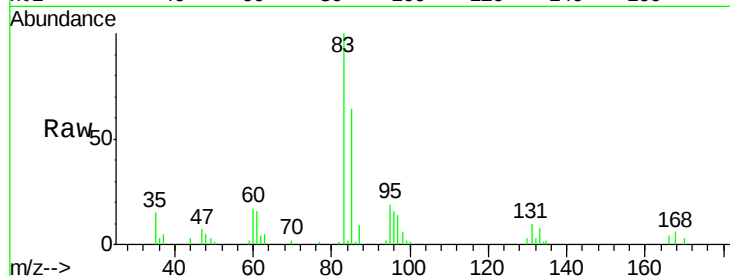
Tot Ion: 83 Resp: 17079

Ion Ratio Lower Upper

83 100

131 8.7 7.5 11.3

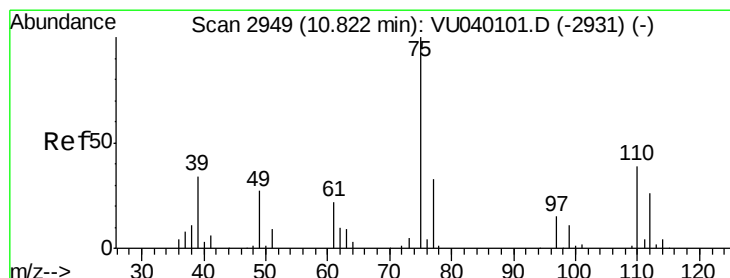
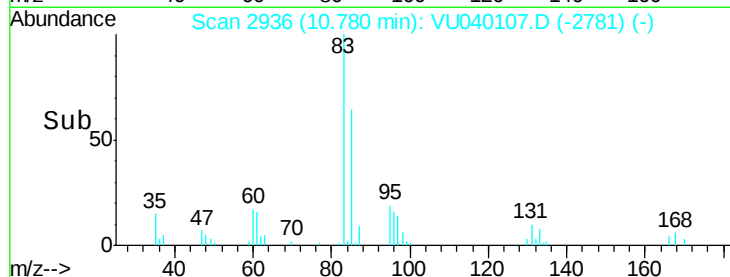
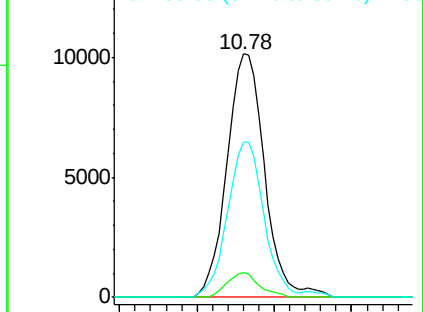
85 61.4 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VU040107.D (-2781) (-)

Ion 131.00 (130.70 to 131.70): VU040107.D (-2781) (-)

Ion 85.00 (84.70 to 85.70): VU040107.D (-2781) (-)



#71

1,2,3-Trichloropropane

Concen: 1.989 ug/l

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Tgt Ion: 75 Resp: 13687

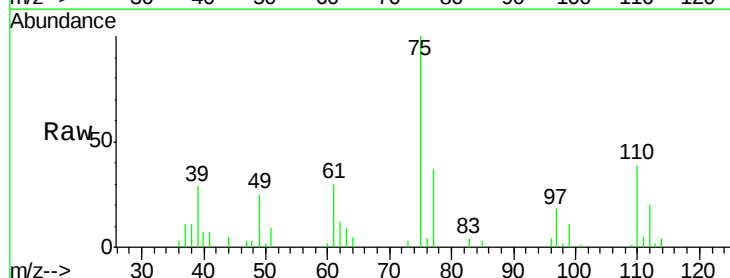
Ion Ratio Lower Upper

75 100

77 35.5 0.0 111.4

110 39.9 0.0 70.8

97 17.6 0.0 36.0

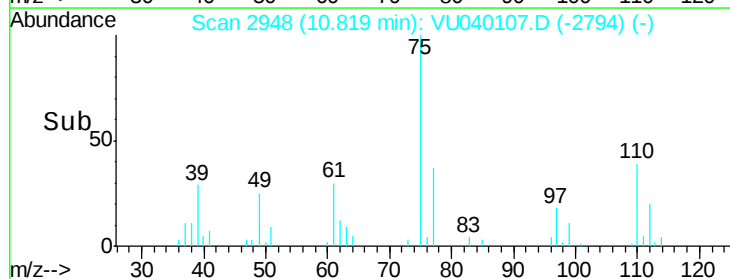
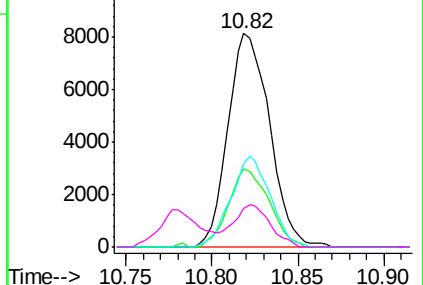


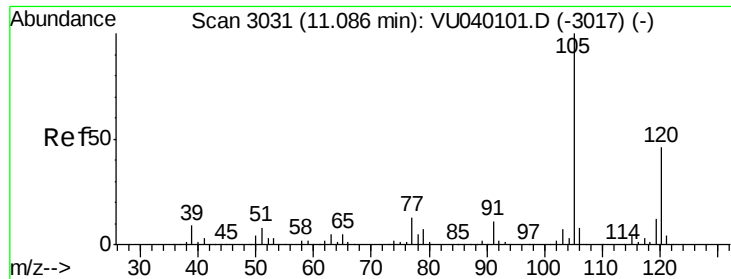
Abundance Ion 75.00 (74.70 to 75.70): VU040107.D (-2794) (-)

Ion 77.00 (76.70 to 77.70): VU040107.D (-2794) (-)

Ion 110.00 (109.70 to 110.70): VU040107.D (-2794) (-)

Ion 97.00 (96.70 to 97.70): VU040107.D (-2794) (-)





#75

1,3,5-Trimethylbenzene

Concen: 1.915 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

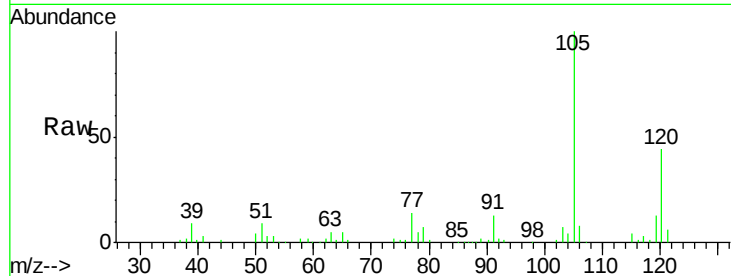
VU0911WBSD01

Tot Ion:105 Resp: 58674

Ion Ratio Lower Upper

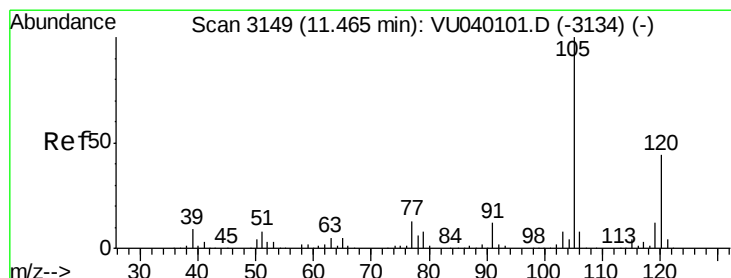
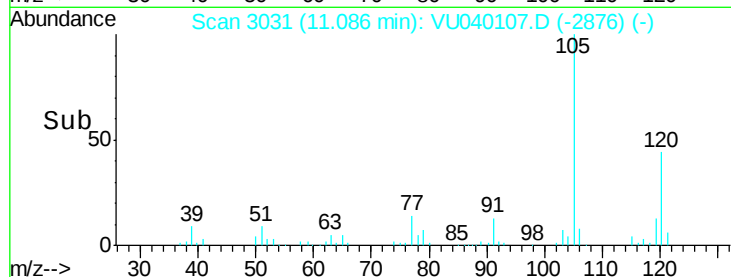
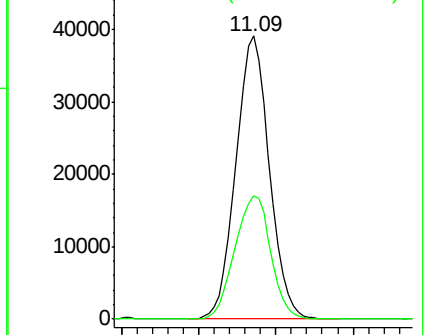
105 100

120 46.7 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

1,2,4-Trimethylbenzene

Concen: 1.935 ug/l

RT: 11.46 min Scan# 3149

Delta R.T. -0.00 min

Lab File: VU040107.D

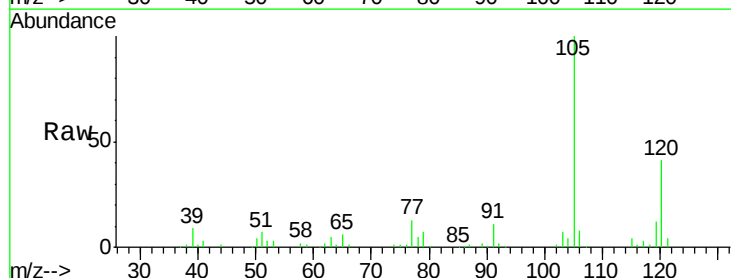
Acq: 11 Sep 2020 16:59

Tgt Ion:105 Resp: 58959

Ion Ratio Lower Upper

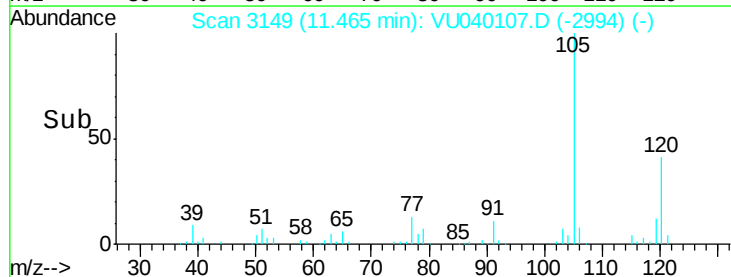
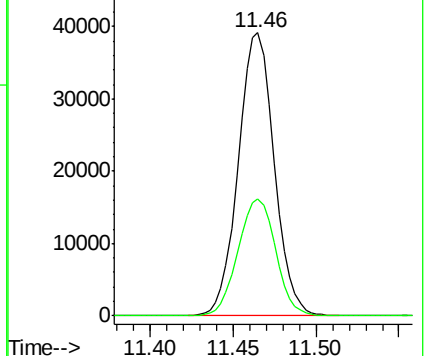
105 100

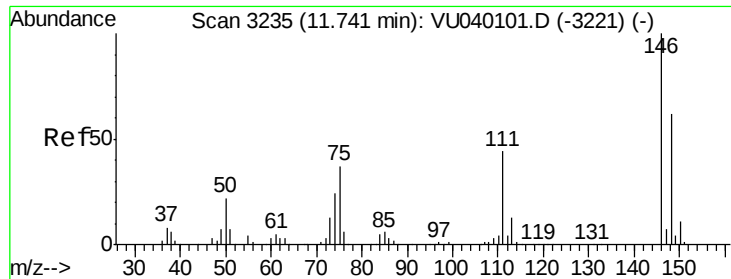
120 43.3 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

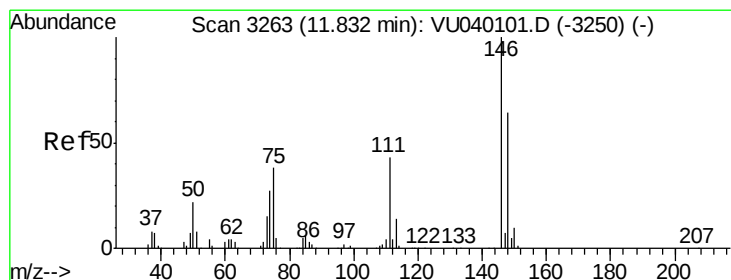
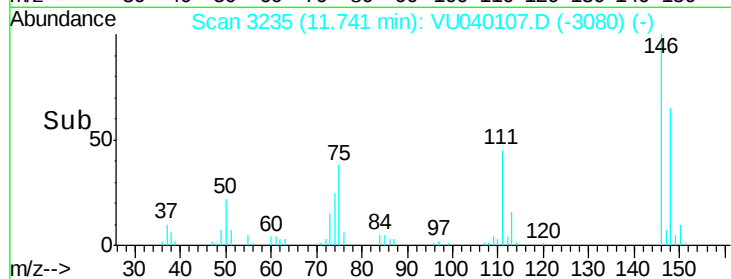
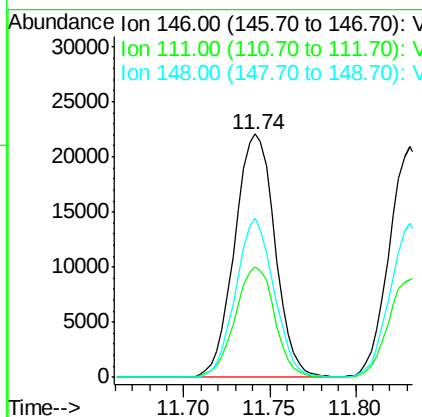
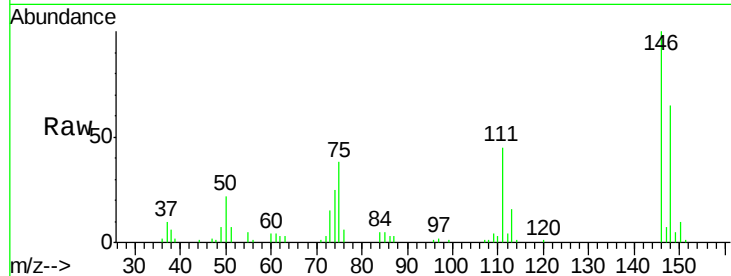




#82
 1,3-Dichlorobenzene
 Concen: 2.026 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

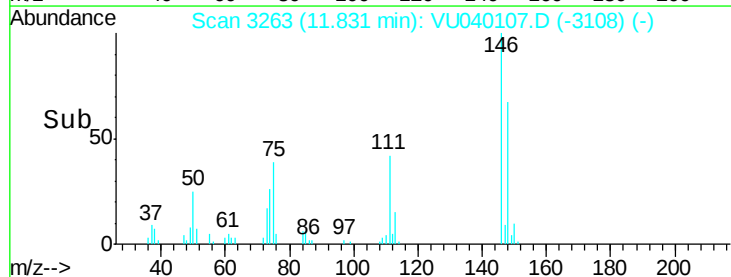
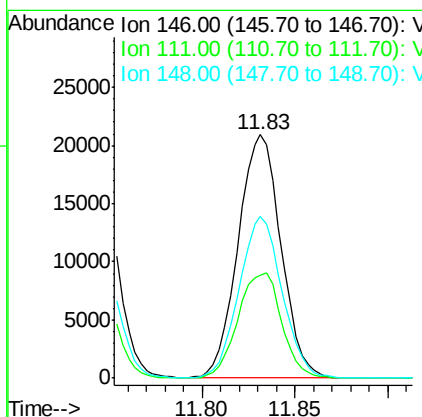
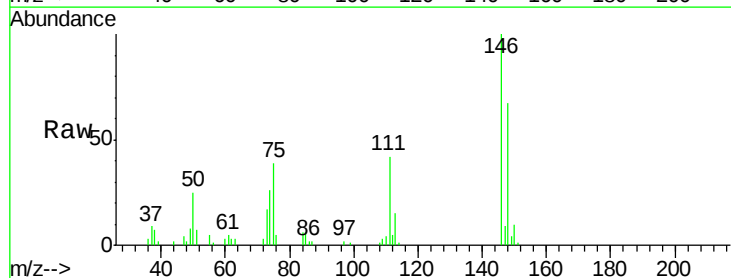
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

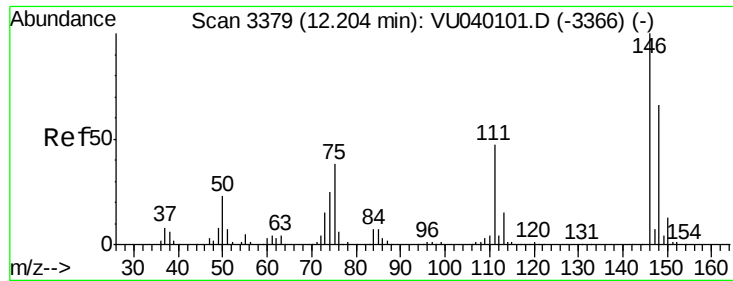
Tot Ion:146 Resp: 35886
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.4 53.0
 148 62.0 49.7 74.5



#83
 1,4-Dichlorobenzene
 Concen: 1.934 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Tgt Ion:146 Resp: 33508
 Ion Ratio Lower Upper
 146 100
 111 44.2 34.2 51.2
 148 66.7 50.2 75.2

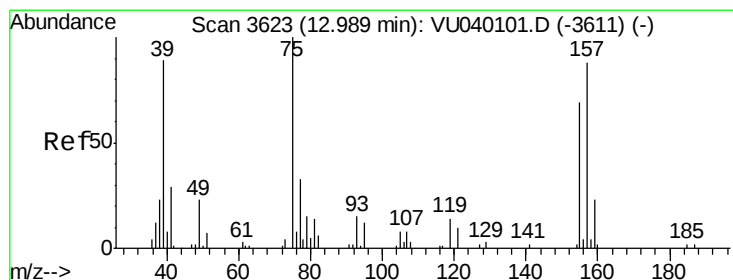
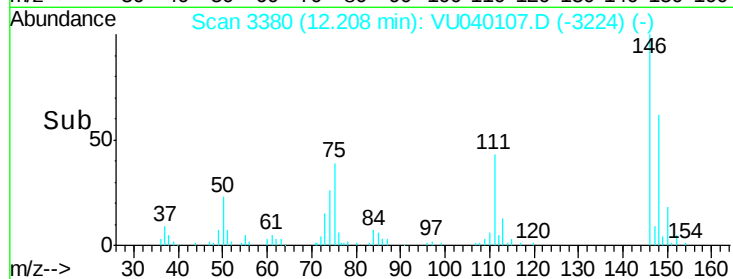
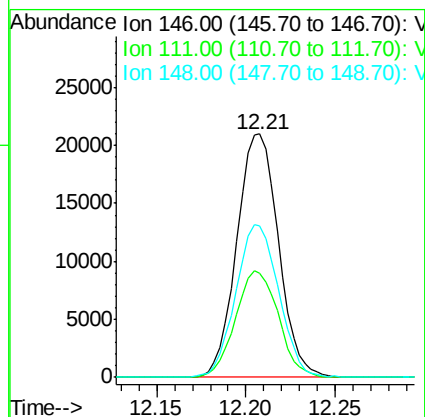
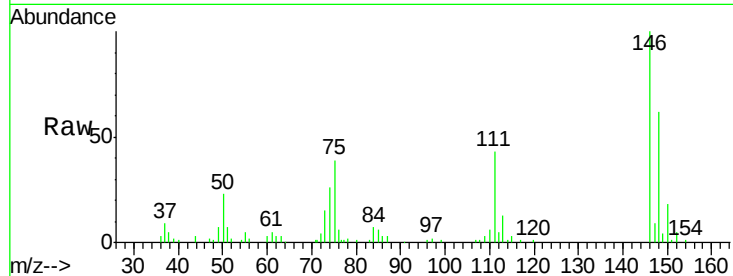




#85
 1,2-Dichlorobenzene
 Concen: 2.071 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

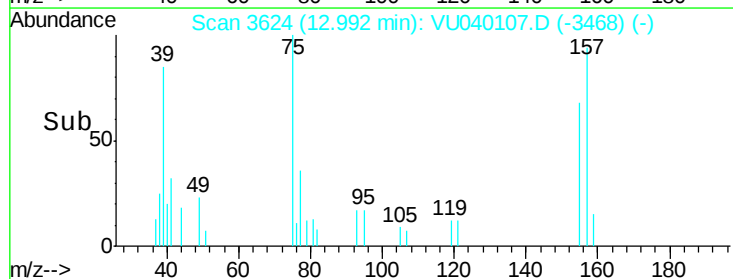
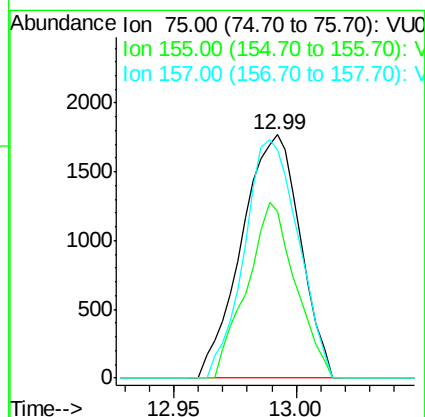
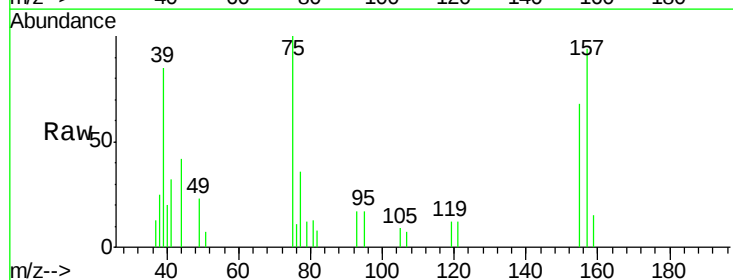
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

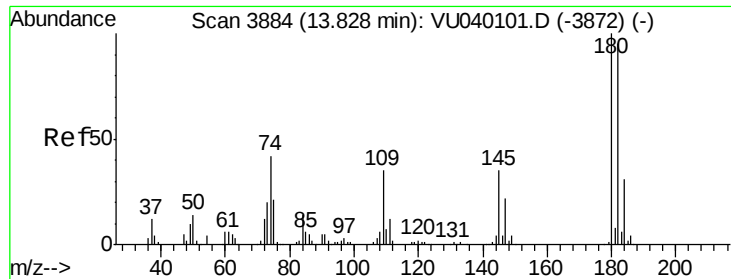
Tot Ion:146 Resp: 34188
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.9 68.7
 148 64.7 31.1 93.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.924 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Tgt Ion: 75 Resp: 2947
 Ion Ratio Lower Upper
 75 100
 155 59.7 53.4 80.0
 157 90.2 65.8 98.8

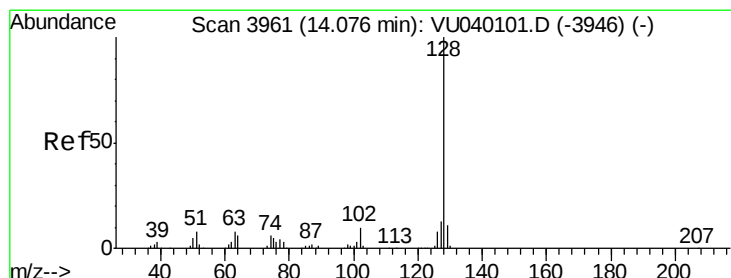
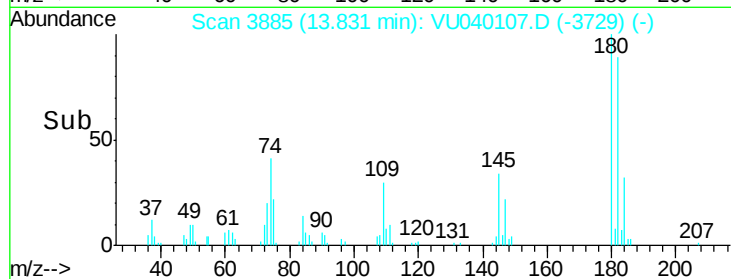
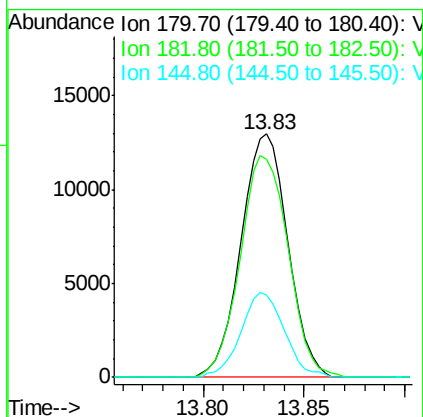
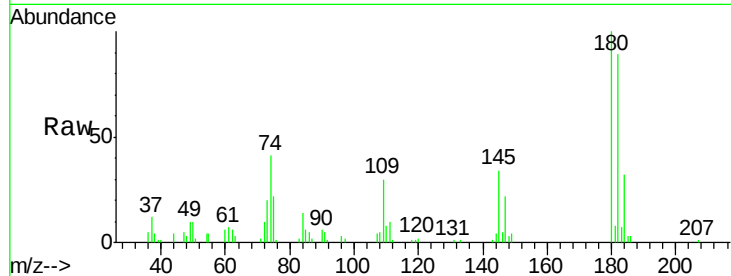




#87
 1,2,4-Trichlorobenzene
 Concen: 2.222 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

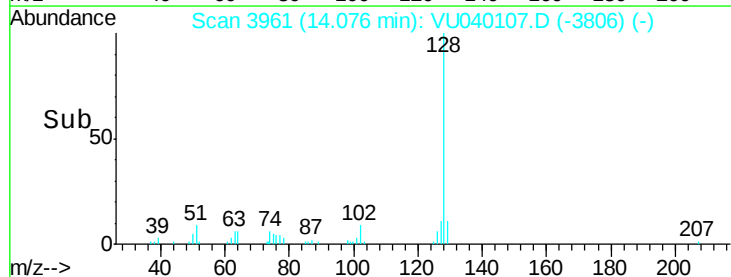
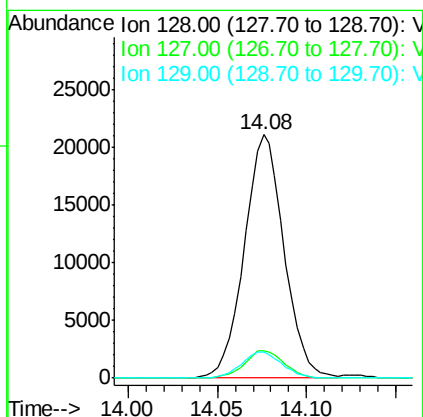
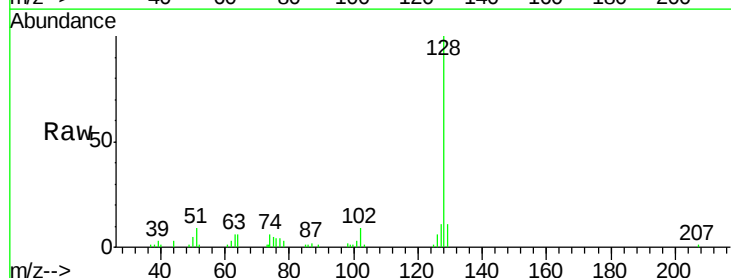
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

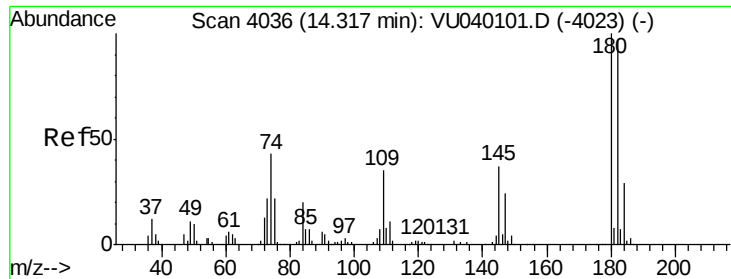
Tot Ion:180 Resp: 21088
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.0 112.4
 145 32.5 27.7 41.5



#89
 Naphthalene
 Concen: 1.873 ug/l
 RT: 14.08 min Scan# 3961
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Tgt Ion:128 Resp: 32817
 Ion Ratio Lower Upper
 128 100
 127 11.2 10.3 15.5
 129 10.9 8.3 12.5





#90
 1,2,3-Trichlorobenzene
 Concen: 2.035 ug/l
 RT: 14.32 min Scan# 4036
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	76.0	114.0
145	36.2	30.6	45.8

