

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091120\
 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 :

Quant Time: Sep 12 05:05:09 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
23) Diethyl Ether	2.59	59	862	2.460	ug/l # 20
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
46) t-1,4-Dichloro-2-butene	10.82	75	13687	4.007	ug/l # 16
47) Methyl methacrylate	6.77	69	4223	4.325	ug/l # 1
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
60) 1,1,1,2-Tetrachloroethane	9.53	131	19	0.664	ug/l # 9

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

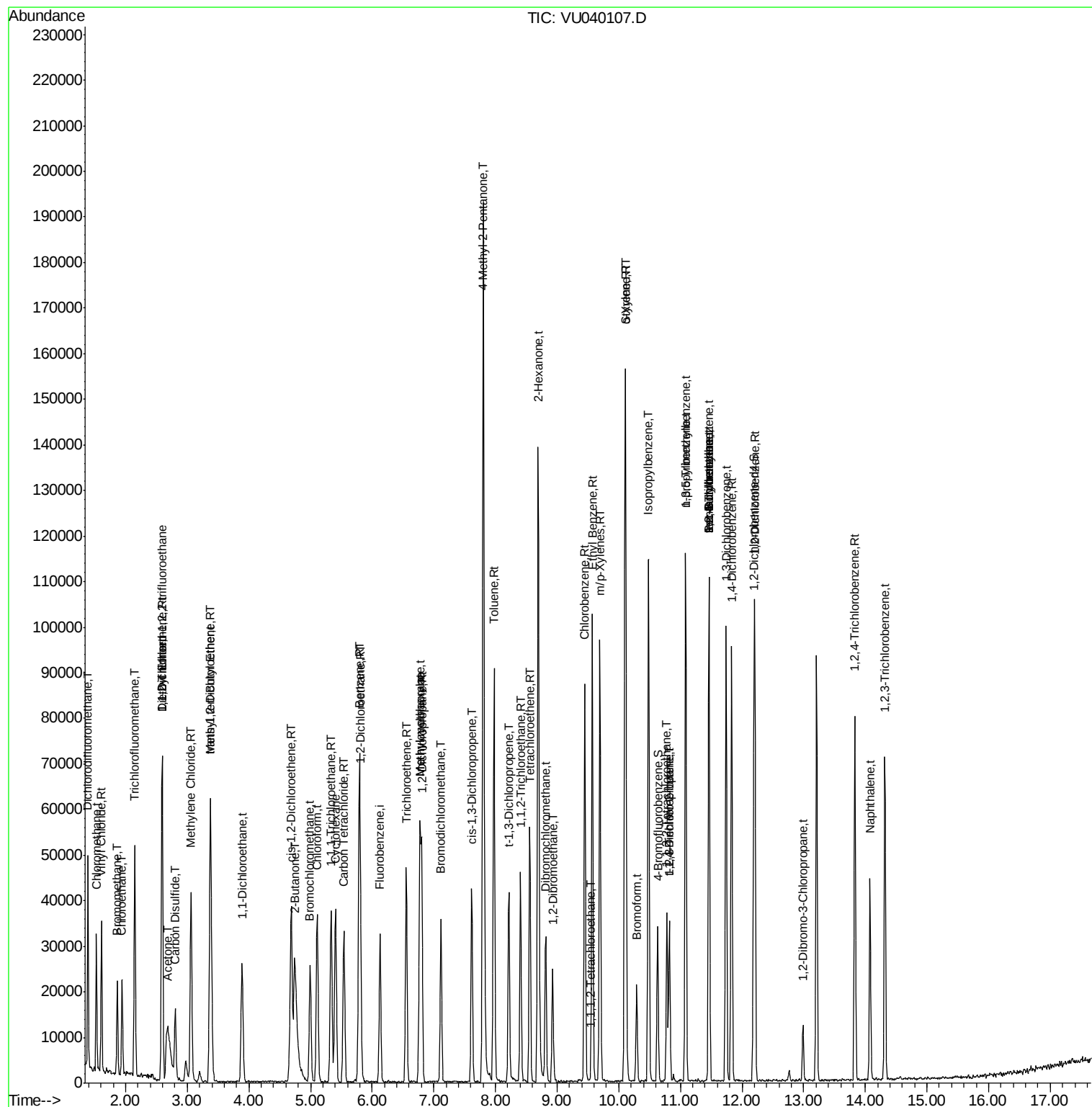
61) Pentachloroethane	11.47	117	2105	1.901	ug/l #	16
63) Ethyl Benzene	9.57	91	66159	1.900	ug/l	99
64) m/p-Xylenes	9.69	106	26026	3.936	ug/l	96
65) o-Xylene	10.10	106	25529	2.012	ug/l	99
66) Styrene	10.11	104	43851	1.936	ug/l	99
67) Bromoform	10.29	173	8050	1.923	ug/l	98
69) Isopropylbenzene	10.48	105	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
73) n-propylbenzene	11.09	120	27376	1.917	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.09	105	58674	1.915	ug/l	99
77) tert-Butylbenzene	11.46	119	7452	2.028	ug/l #	67
78) 1,2,4-Trimethylbenzene	11.46	105	58959	1.935	ug/l	99
79) sec-Butylbenzene	11.46	105	58959	1.935	ug/l #	58
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

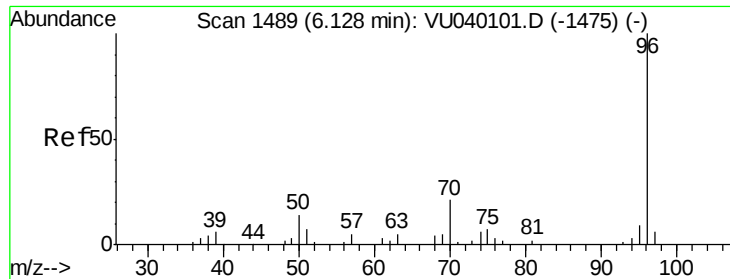
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

Tot Ion: 96 Resp: 28143

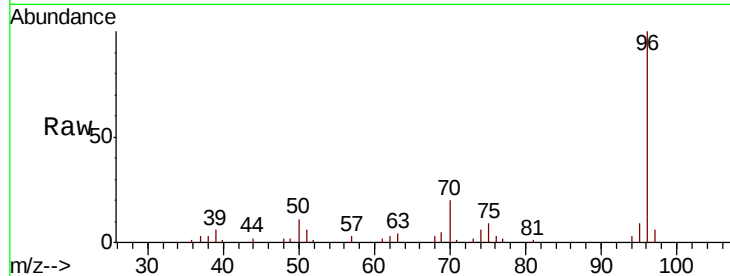
Ion Ratio Lower Upper

96 100

70 21.7 17.1 25.7

95 9.0 7.6 11.4

97 6.0 0.0 0.0#

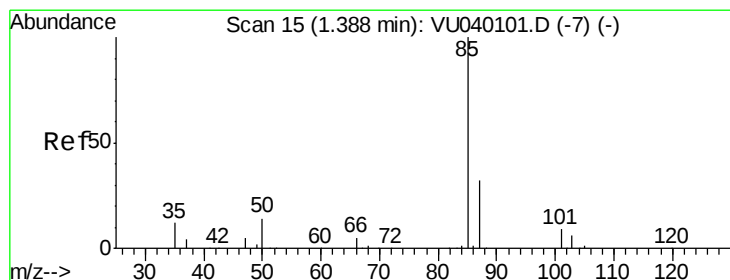
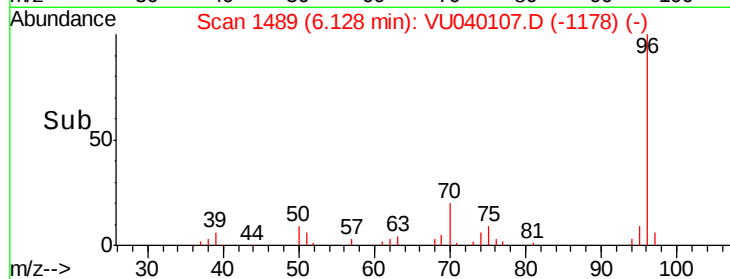
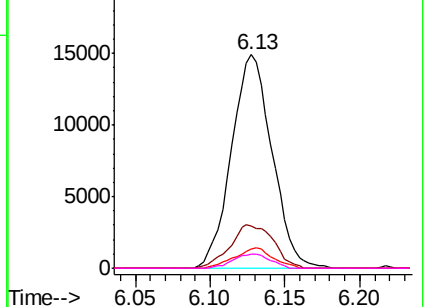


Abundance Ion 96.00 (95.70 to 96.70): VU0

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

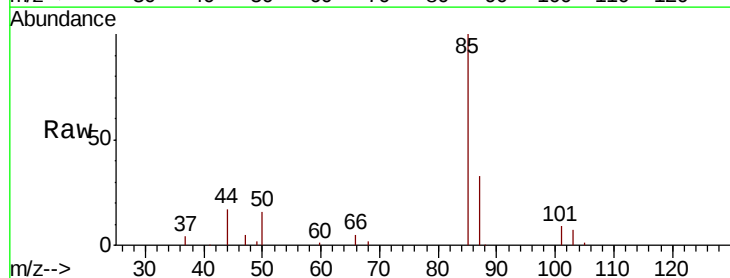
Acq: 11 Sep 2020 16:59

Tgt Ion: 85 Resp: 24424

Ion Ratio Lower Upper

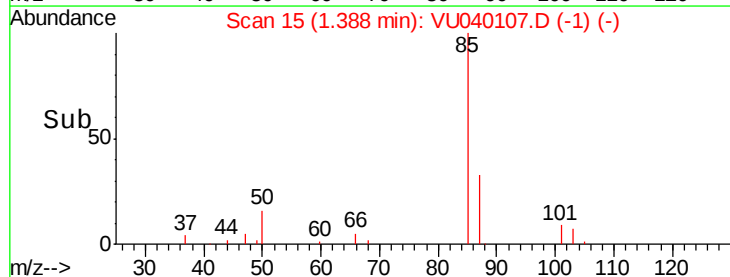
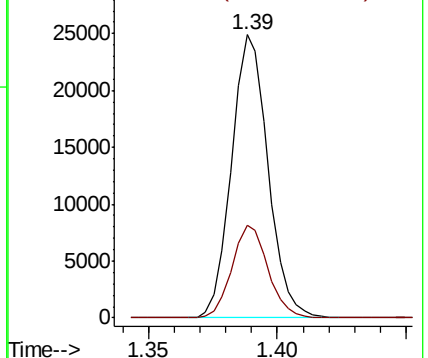
85 100

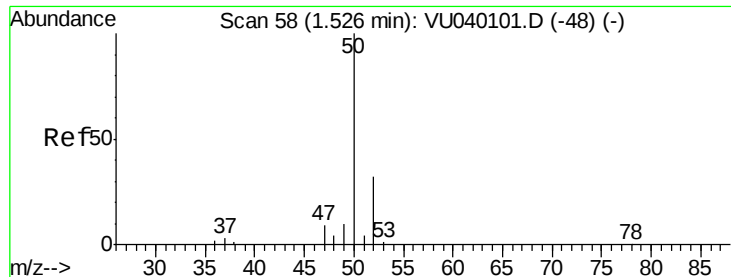
87 32.6 15.6 46.8



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

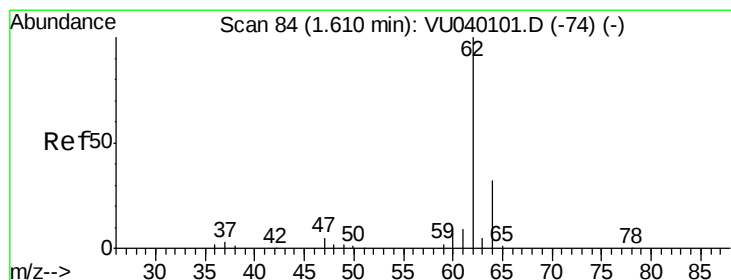
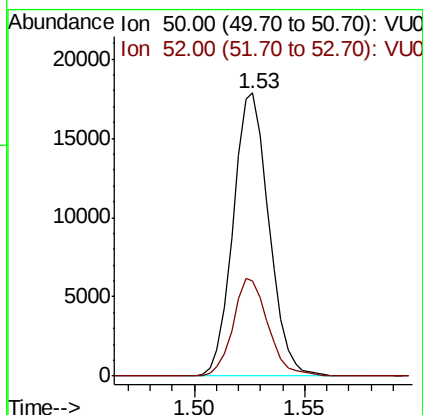
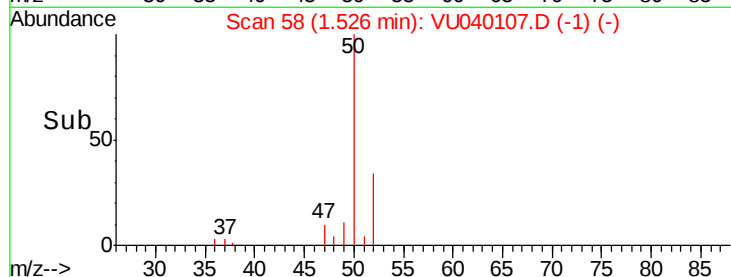
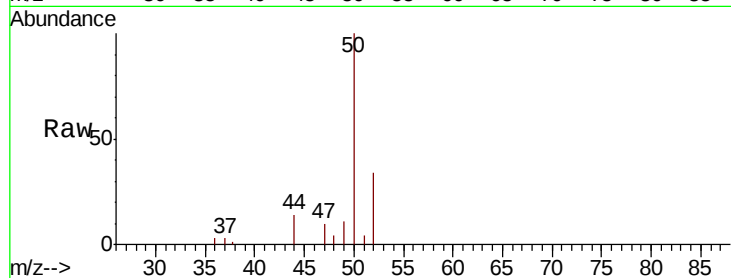
ClientSampleId :

Tot Ion: 50 Resp: 20179

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9



#4

Vinyl Chloride

Concen: 1.937 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040107.D

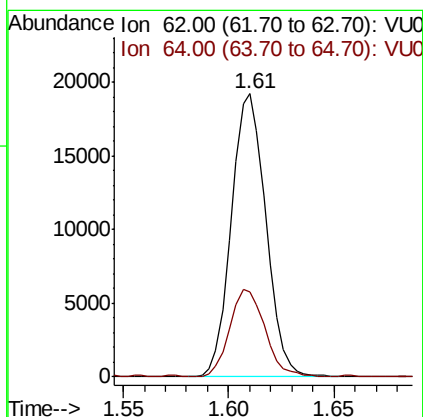
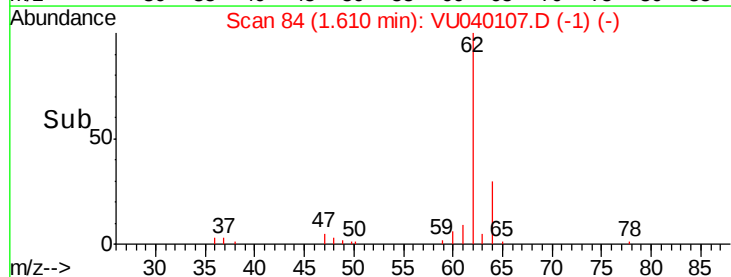
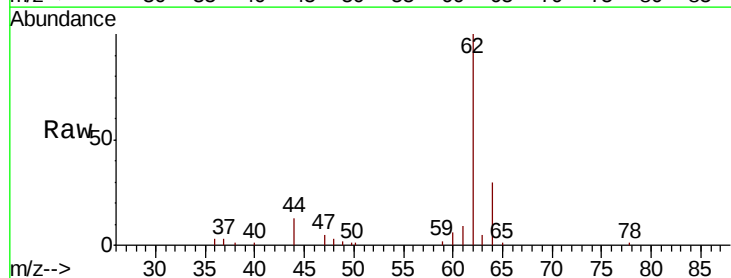
Acq: 11 Sep 2020 16:59

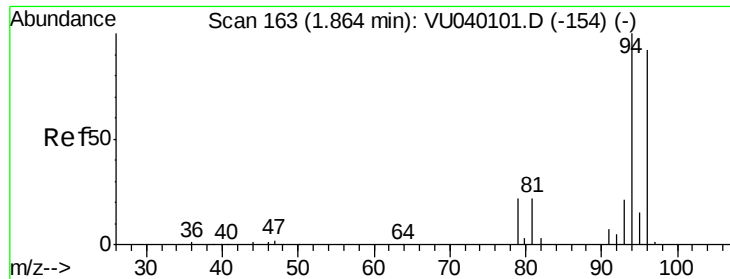
Tgt Ion: 62 Resp: 21779

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0

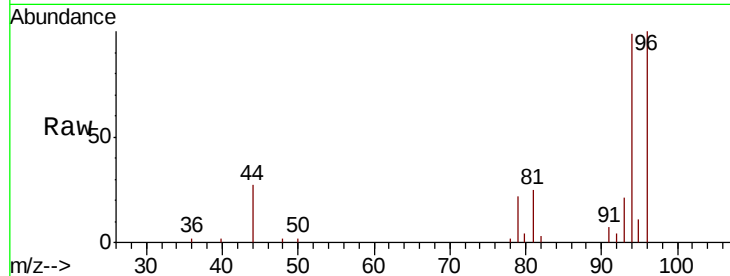




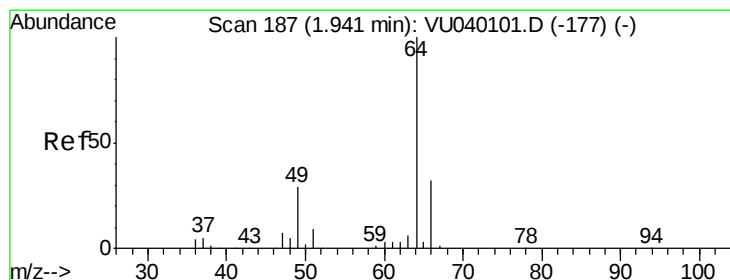
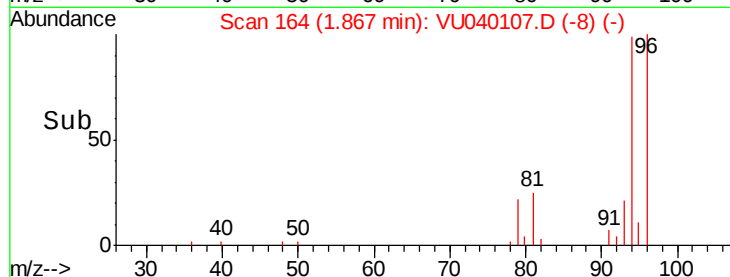
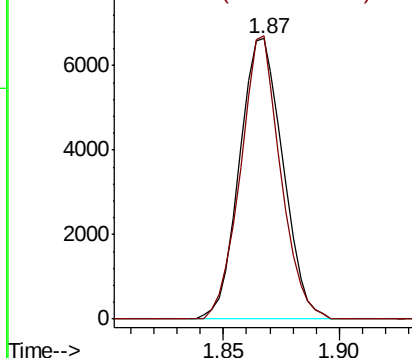
#5
Bromomethane
Concen: 2.444 ug/l
RT: 1.87 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Instrument :
MSVOA_U
ClientSampleId :

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

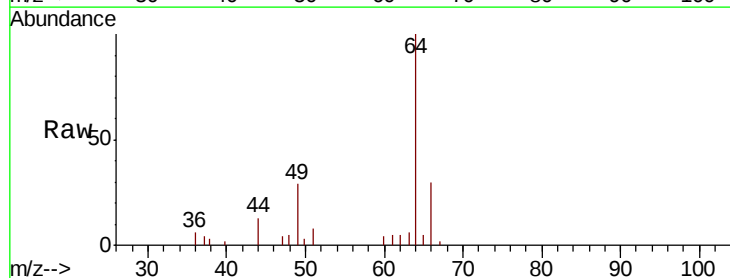


Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0

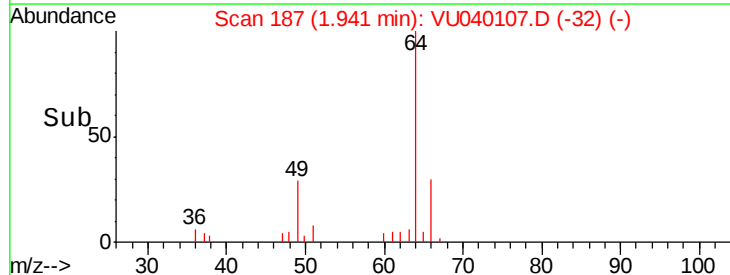
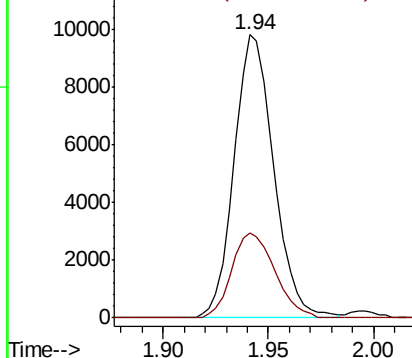


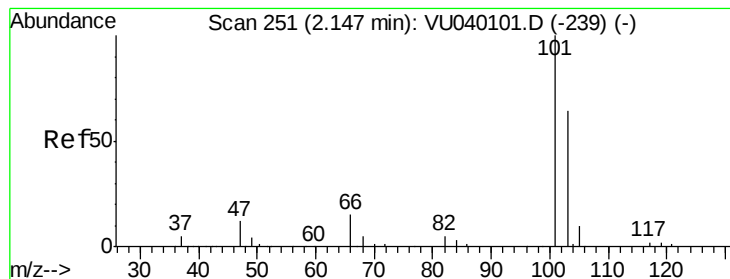
#6
Chloroethane
Concen: 1.987 ug/l
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

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



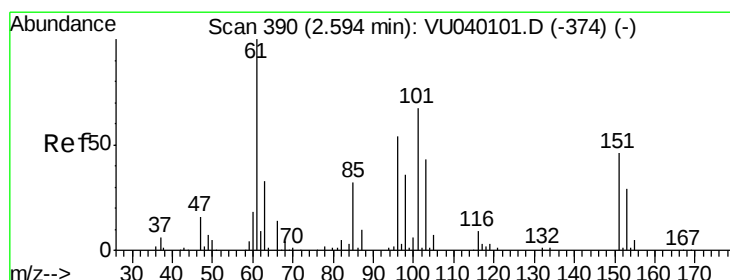
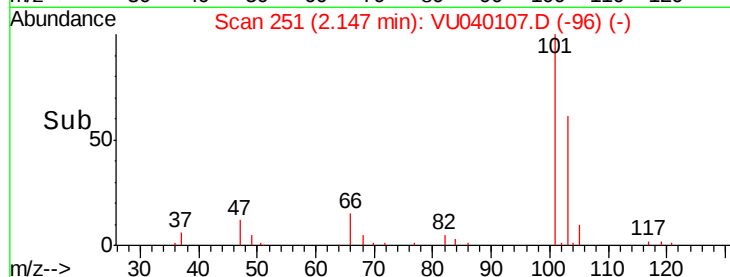
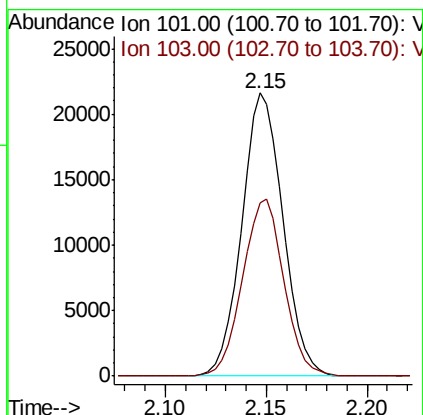
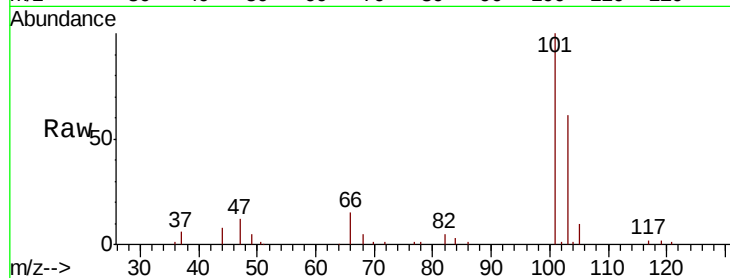


#7

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 :
 MSVOA_U
 ClientSampled :

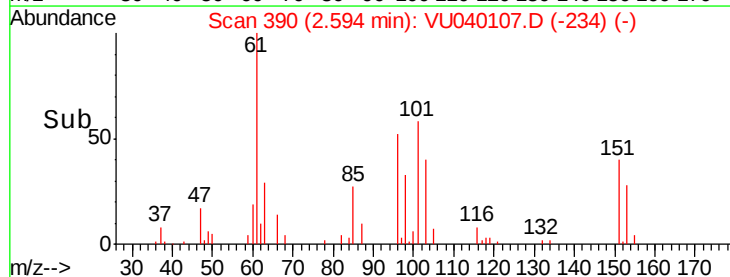
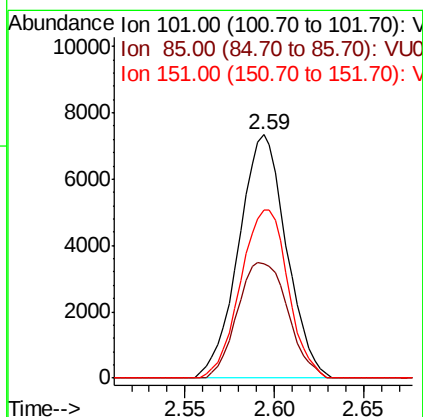
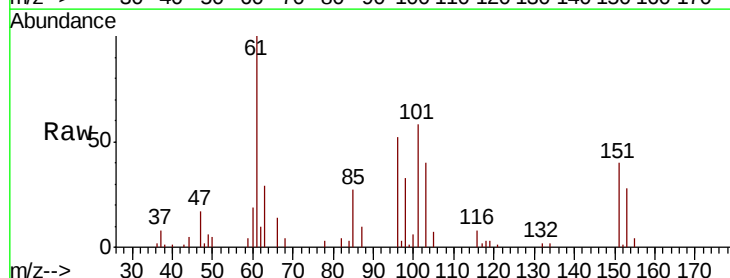
Tot Ion:101 Resp: 30899
 Ion Ratio Lower Upper
 101 100
 103 61.0 50.8 76.2

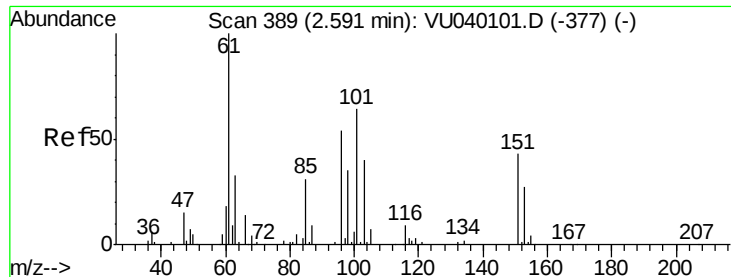


#8

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
ClientSampled :

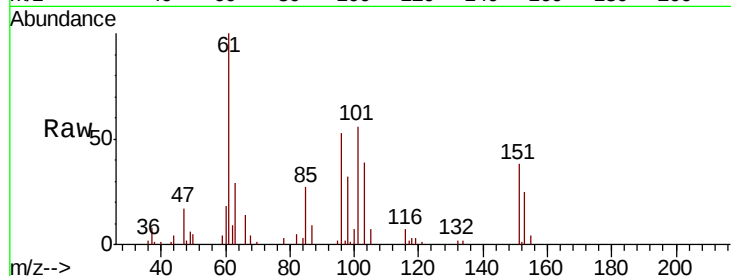
Tot Ion: 96 Resp: 11141

Ion Ratio Lower Upper

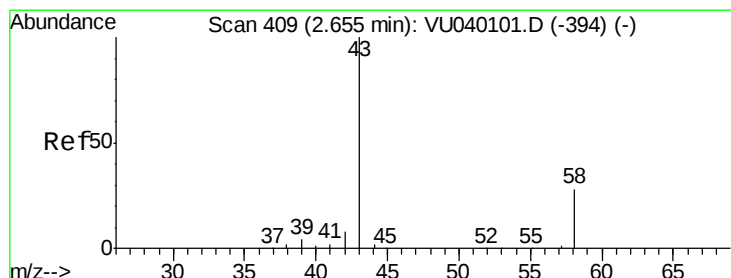
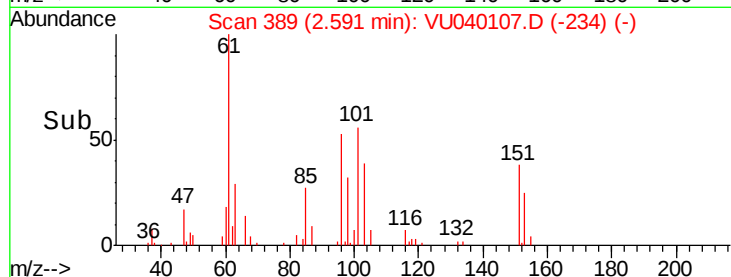
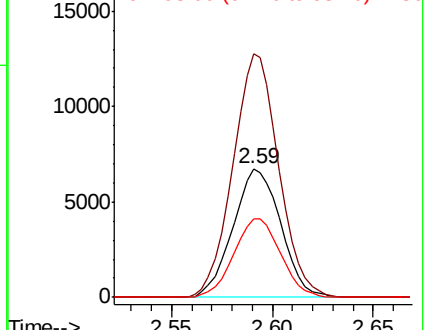
96 100

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

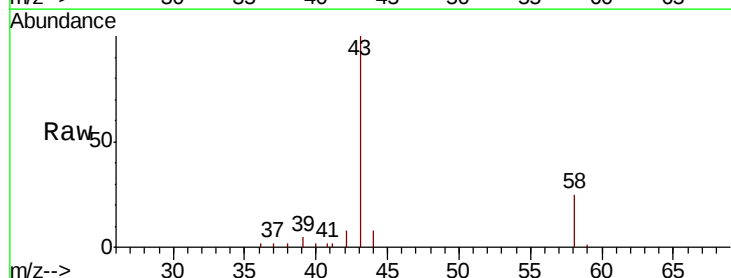
Acq: 11 Sep 2020 16:59

Tgt Ion: 43 Resp: 36647

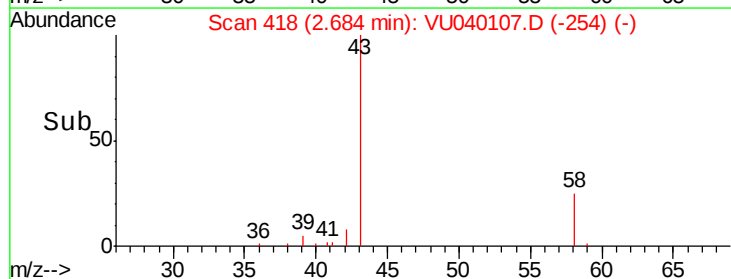
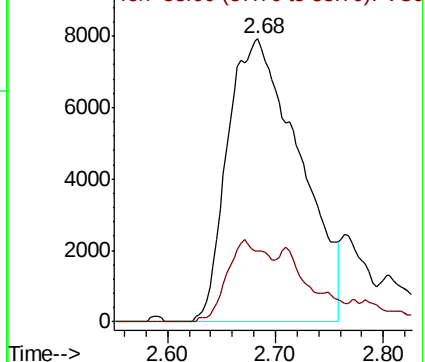
Ion Ratio Lower Upper

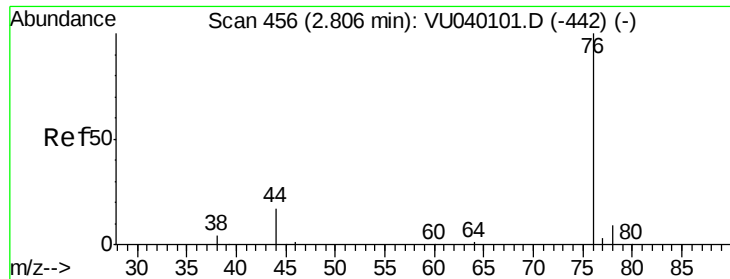
43 100

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

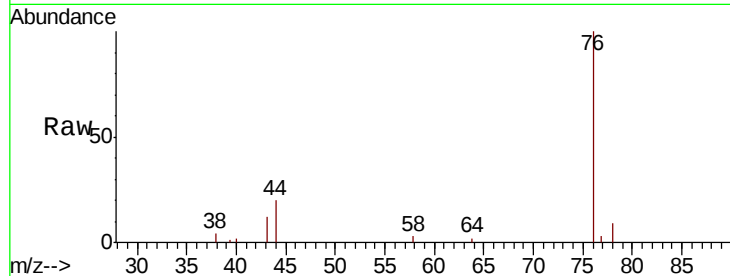
ClientSampleId :

Tot Ion: 76 Resp: 17491

Ion Ratio Lower Upper

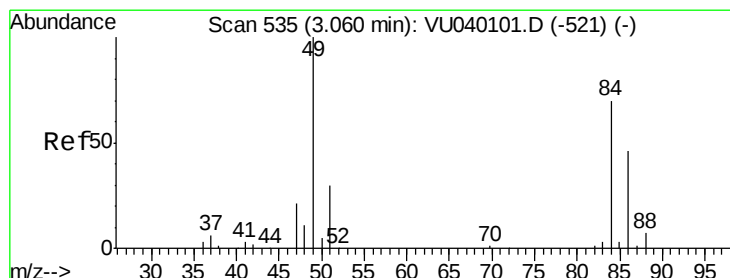
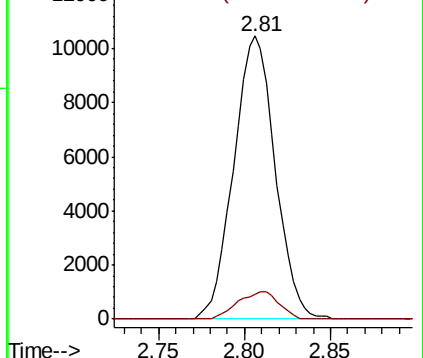
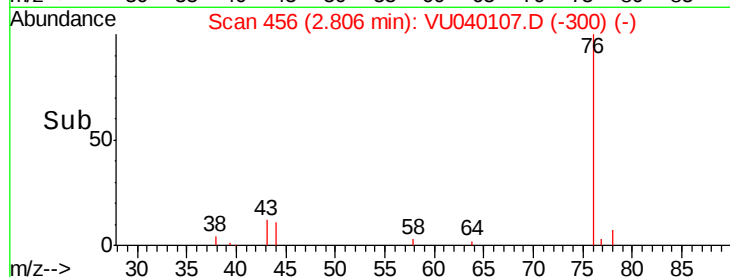
76 100

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) (-)



#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

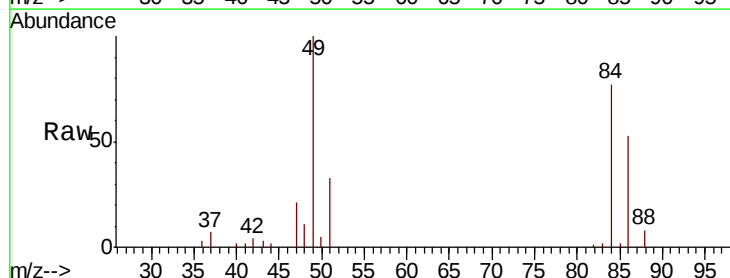
Ion Ratio Lower Upper

84 100

49 130.4 114.3 171.5

51 43.6 0.0 84.6

86 69.2 50.6 76.0

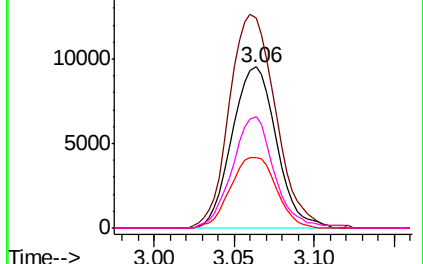
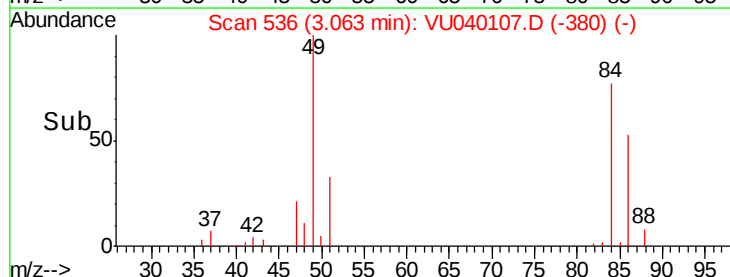


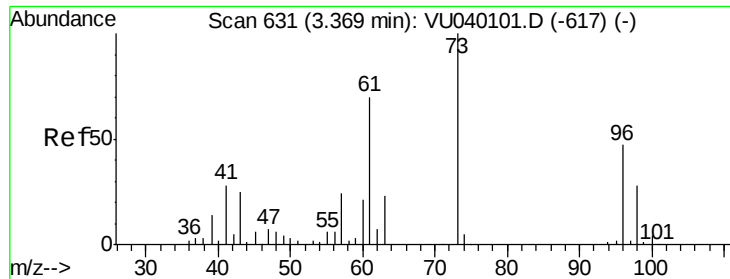
Abundance Ion 84.00 (83.70 to 84.70): VU040107.D (-380) (-)

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) (-)

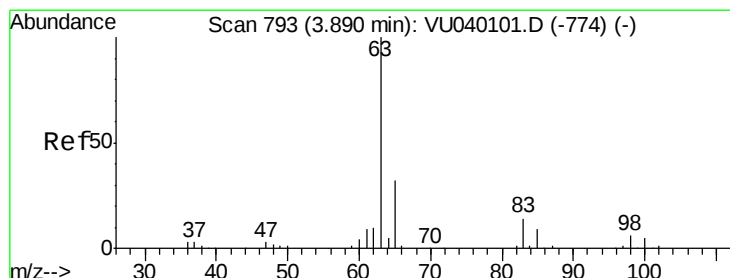
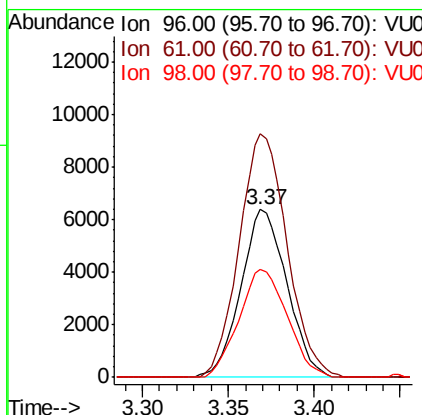
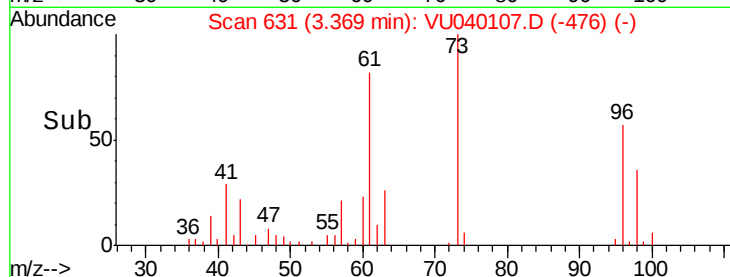
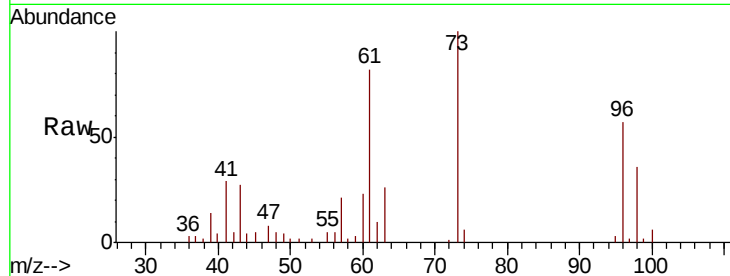




#16
trans-1,2-Dichloroethene
Concen: 2.025 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

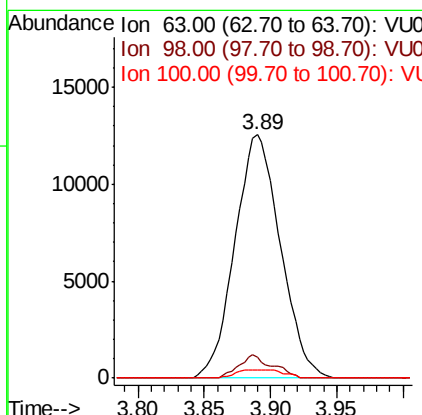
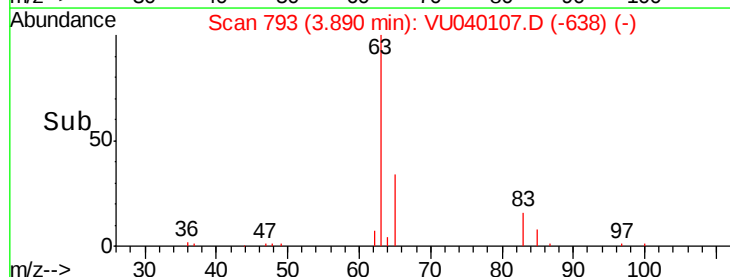
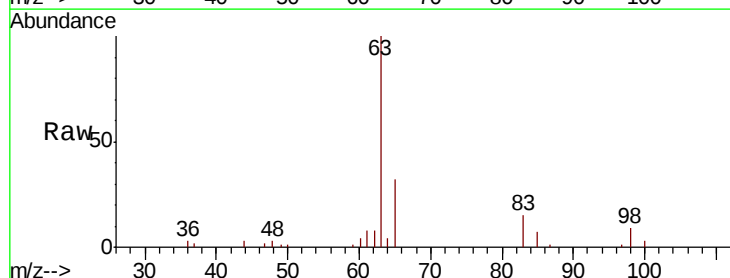
Instrument :
MSVOA_U
ClientSampled :

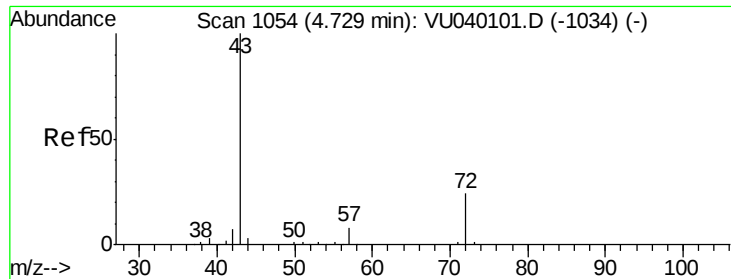
Tot Ion: 96 Resp: 11817
Ion Ratio Lower Upper
96 100
61 145.2 121.4 182.0
98 64.2 51.9 77.9



#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

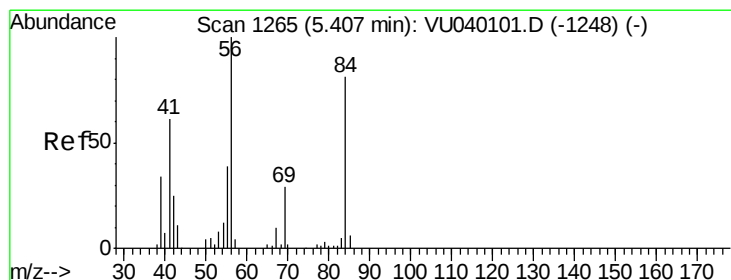
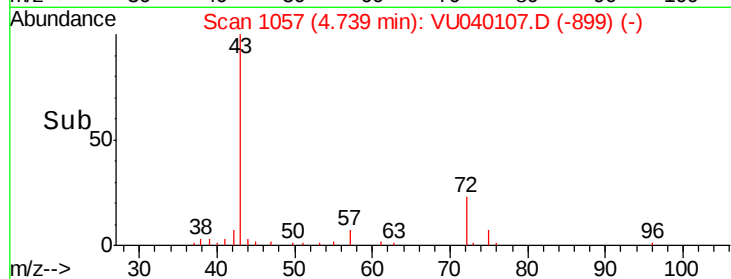
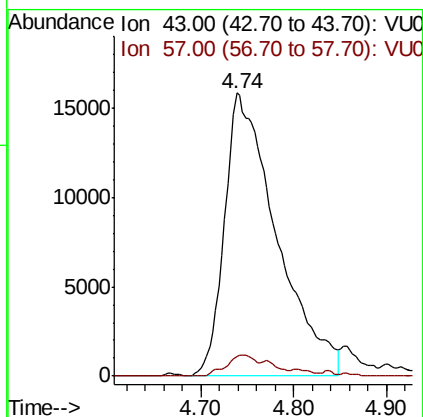
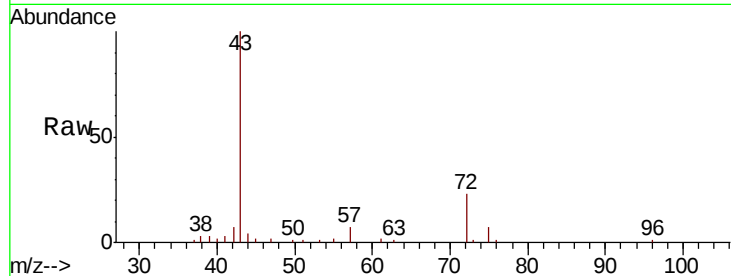




#18
2-Butanone
Concen: 9.966 ug/l
RT: 4.74 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

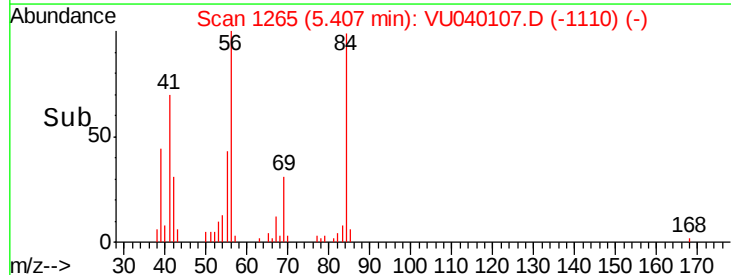
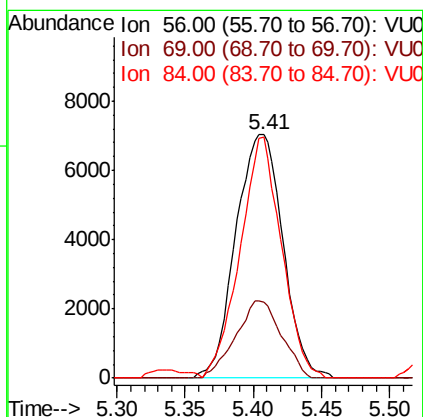
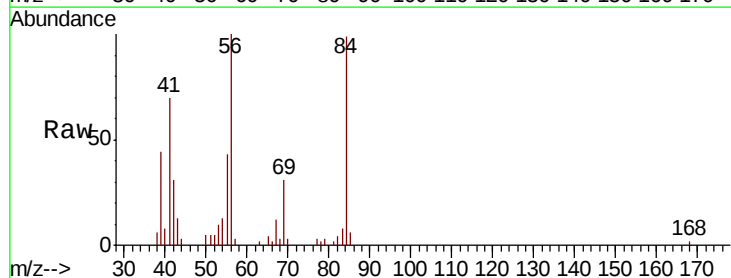
Instrument :
MSVOA_U
ClientSampleId :

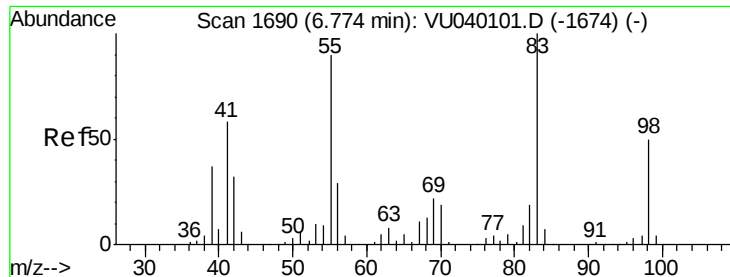
Tot Ion: 43 Resp: 61918
Ion Ratio Lower Upper
43 100
57 6.9 0.0 15.2



#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

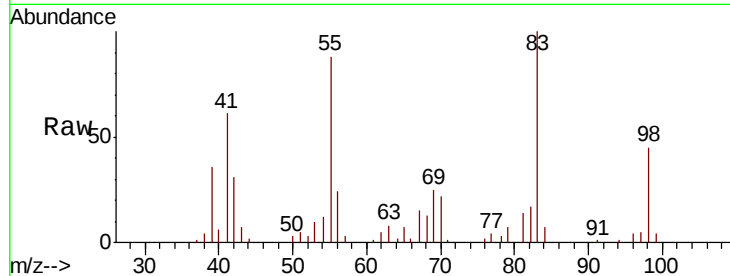




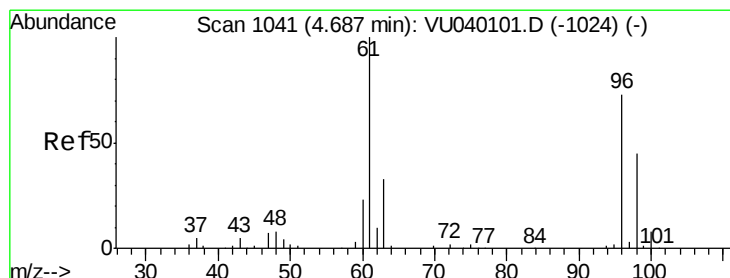
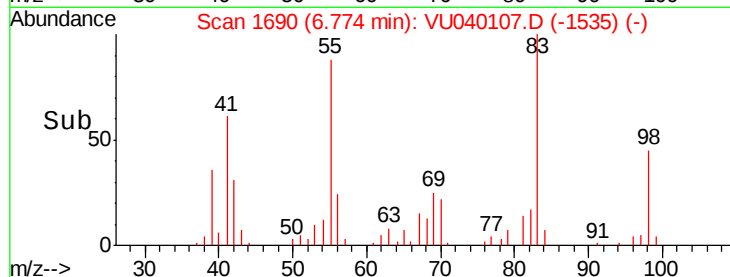
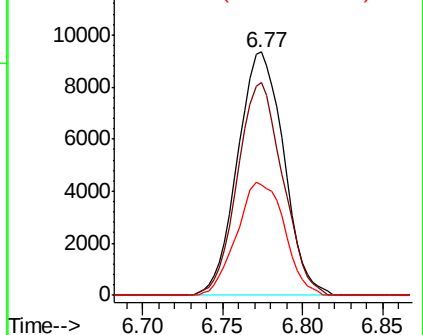
#20
Methylcyclohexane
Concen: 2.041 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Instrument :
MSVOA_U
ClientSampled :

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

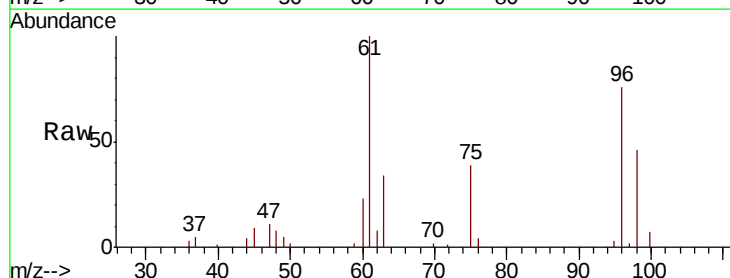


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

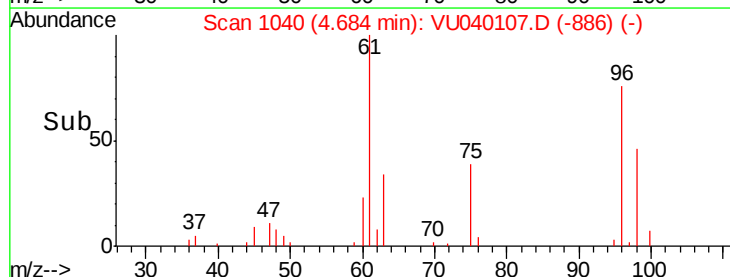
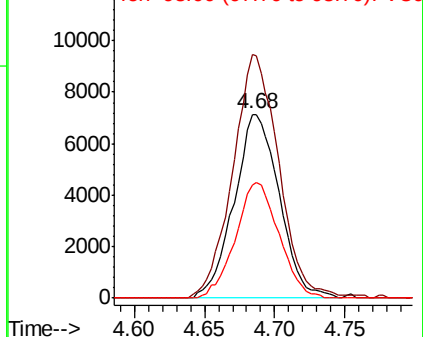


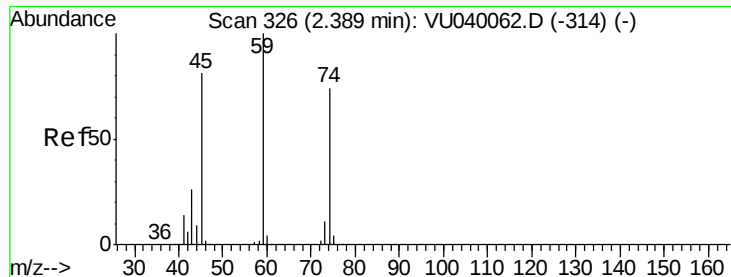
#22
cis-1,2-Dichloroethene
Concen: 2.176 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

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



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

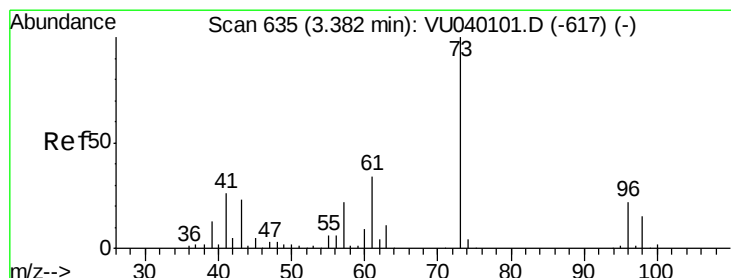
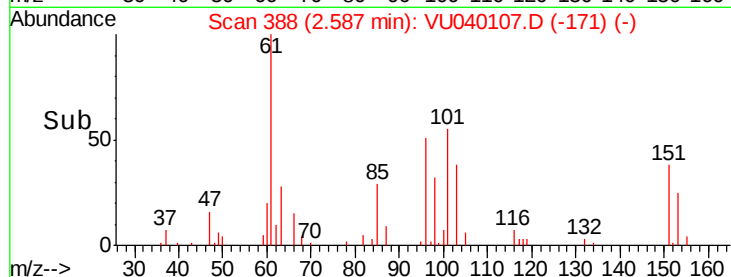
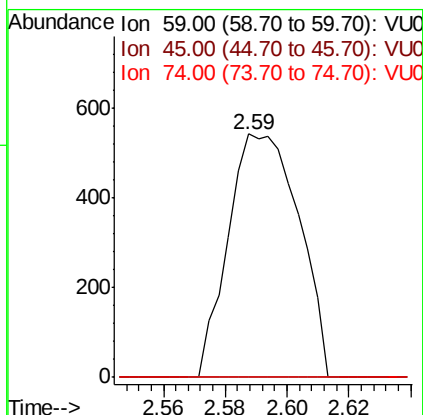
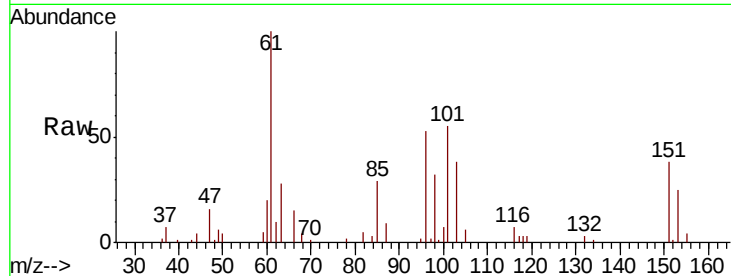




#23
Diethyl Ether
Concen: 2.460 ug/l
RT: 2.59 min Scan# 388
Delta R.T. 0.20 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

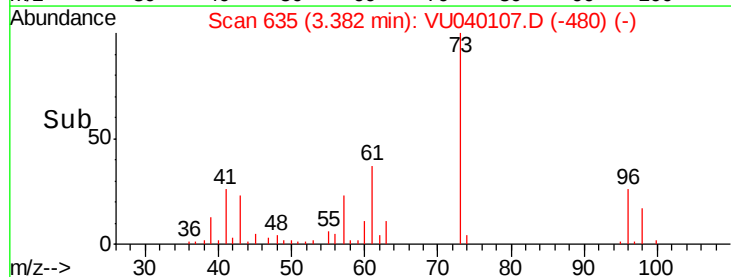
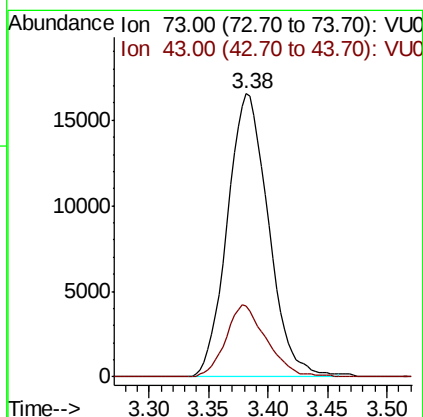
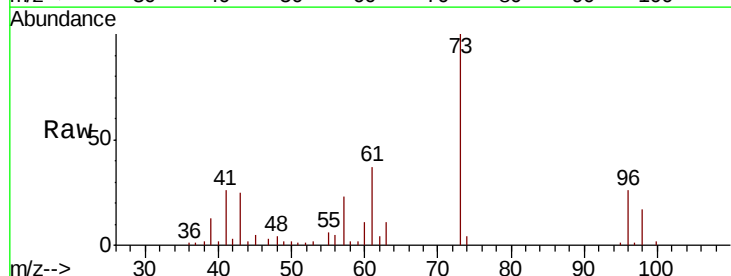
Instrument :
MSVOA_U
ClientSampled :

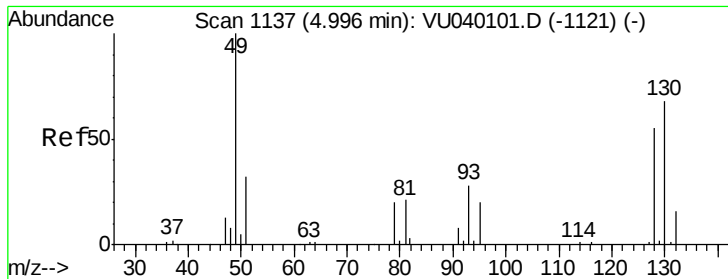
Tot Ion: 59 Resp: 862
Ion Ratio Lower Upper
59 100
45 13.2 62.4 93.6#
74 0.0 57.7 86.5#



#25
Methyl tert-Butyl 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

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

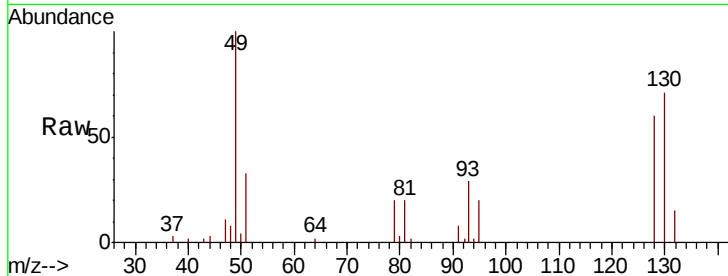




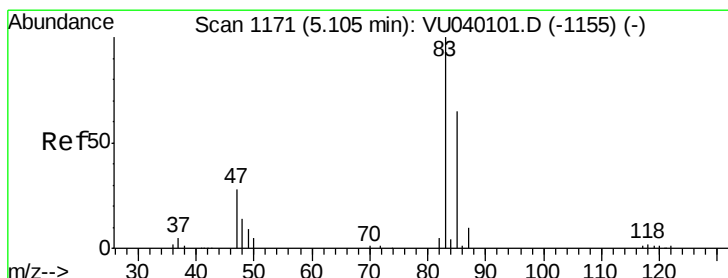
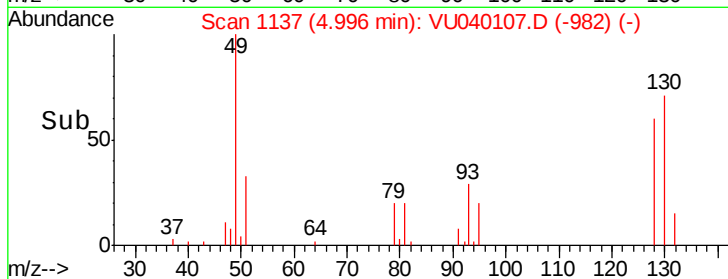
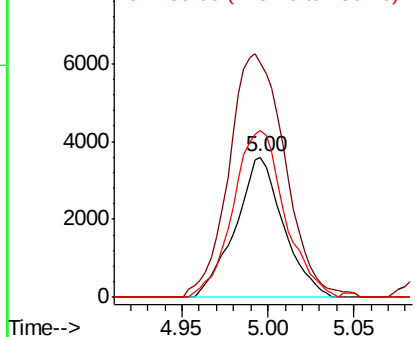
#26
Bromochloromethane
Concen: 1.950 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Instrument :
MSVOA_U
ClientSampled :

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

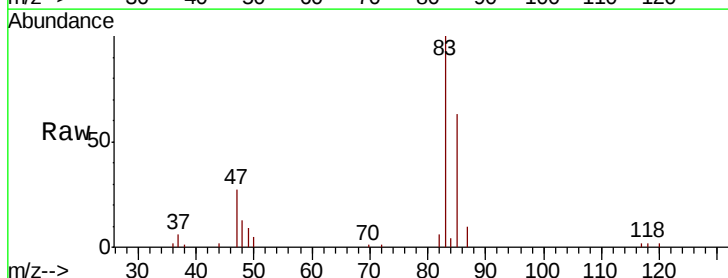


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V

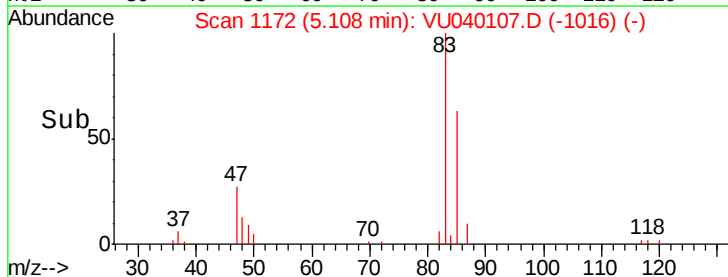
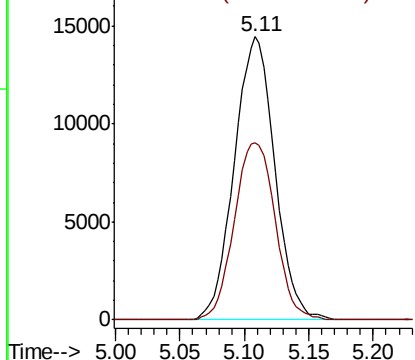


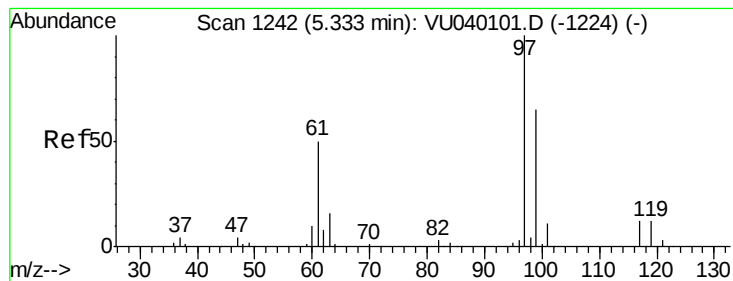
#27
Chloroform
Concen: 2.016 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

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



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0





#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

Instrument :

MSVOA_U

ClientSampleId :

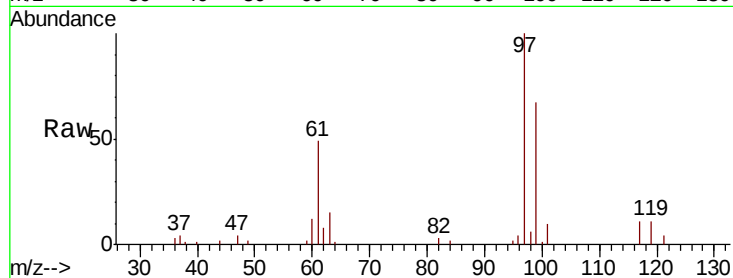
Tot Ion: 97 Resp: 25801

Ion Ratio Lower Upper

97 100

99 66.0 31.8 95.4

61 49.9 25.1 75.2

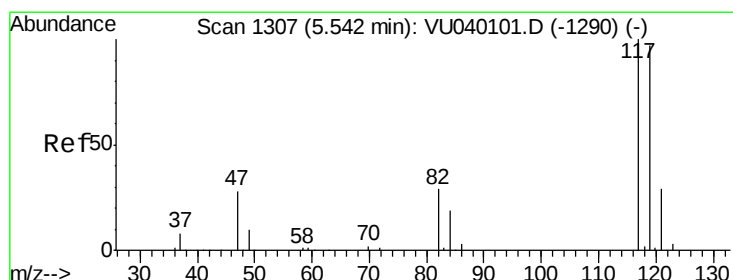
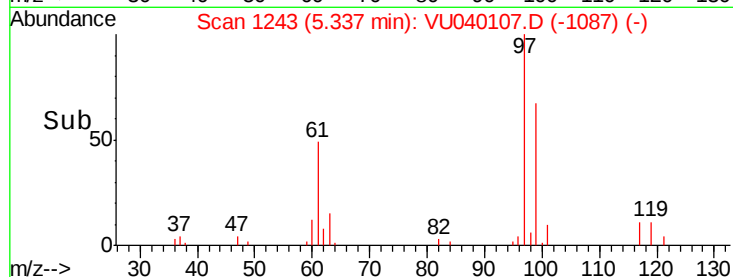
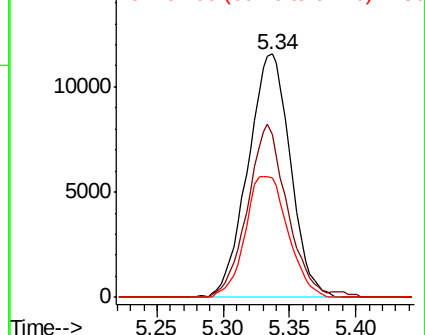


Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#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

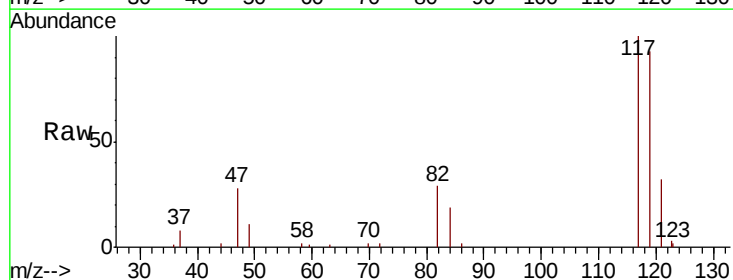
Tgt Ion: 117 Resp: 21413

Ion Ratio Lower Upper

117 100

119 93.2 77.0 115.4

121 32.4 24.2 36.4

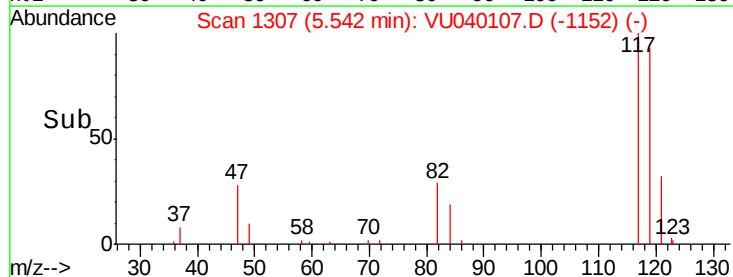
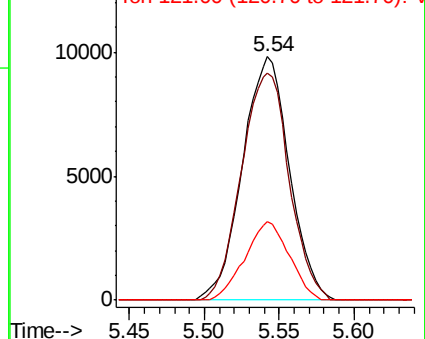


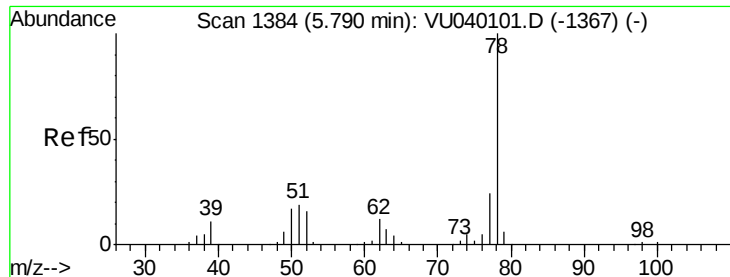
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#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

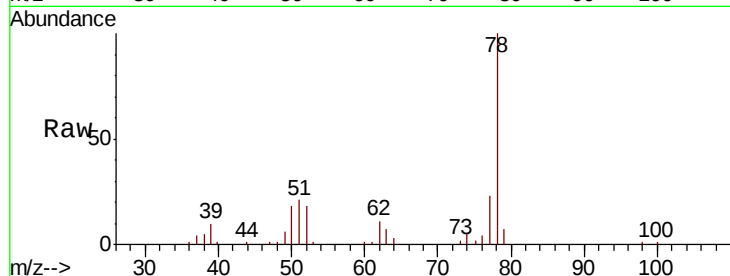
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 55959

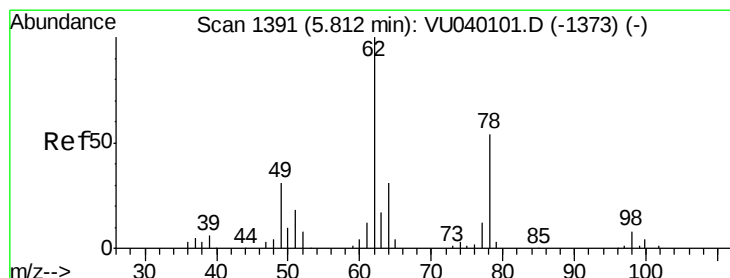
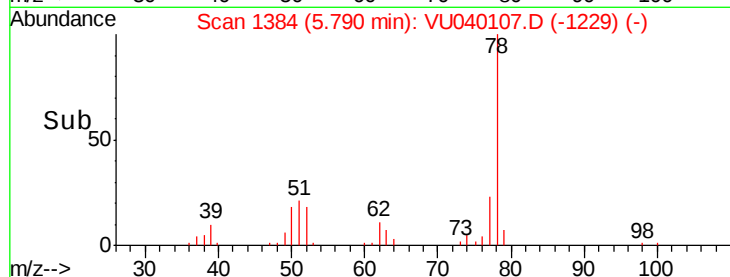
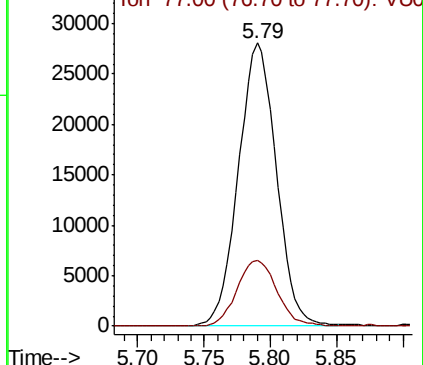
Ion Ratio Lower Upper

78 100

77 23.0 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU040107.D (-1229) (-)



#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

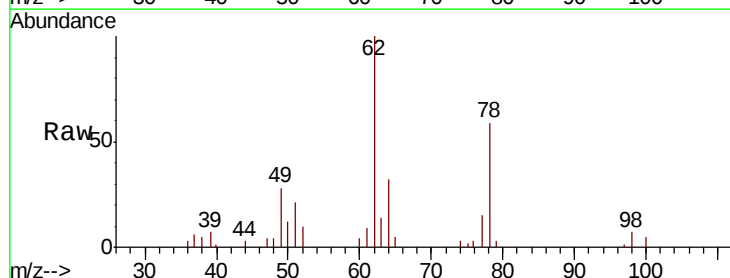
Acq: 11 Sep 2020 16:59

Tgt Ion: 62 Resp: 23187

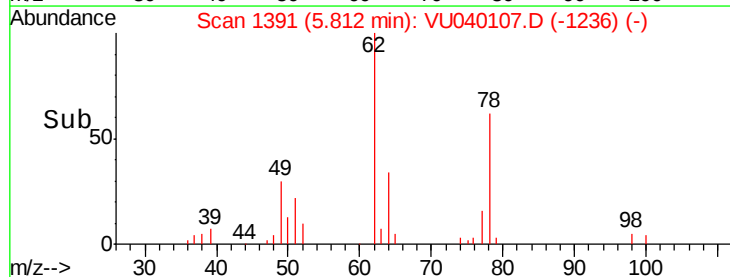
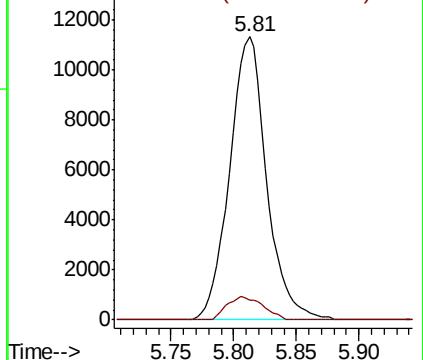
Ion Ratio Lower Upper

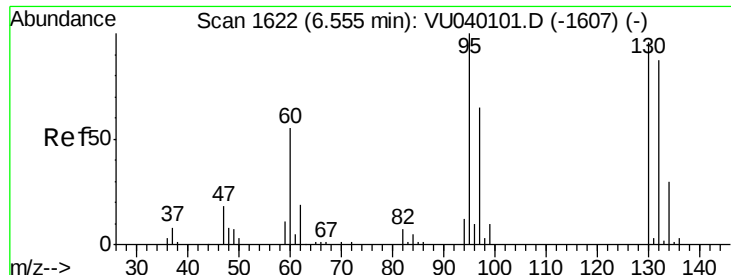
62 100

98 8.0 6.5 9.7



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

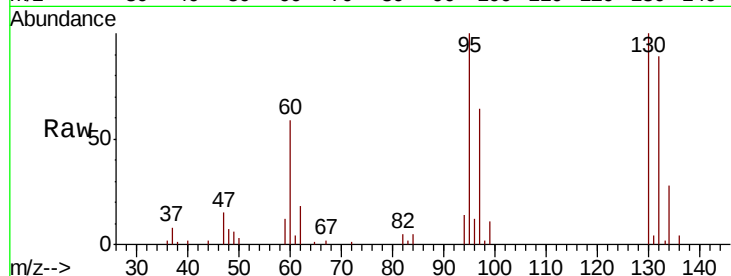




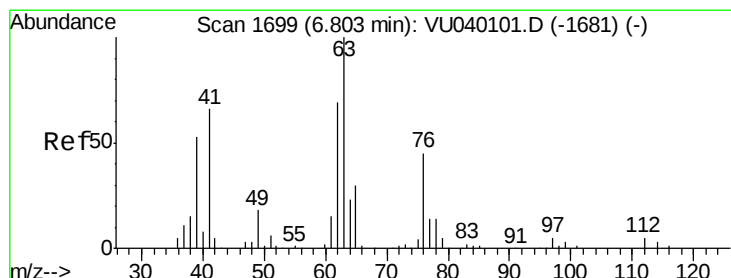
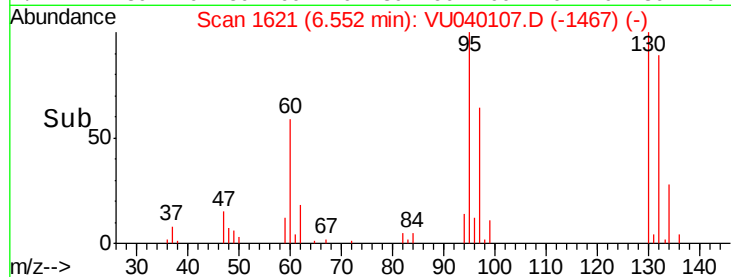
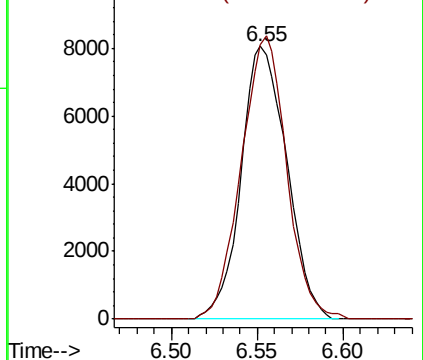
#37
 Trichloroethene
 Concen: 2.054 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 14834
 Ion Ratio Lower Upper
 130 100
 95 100.5 84.2 126.2

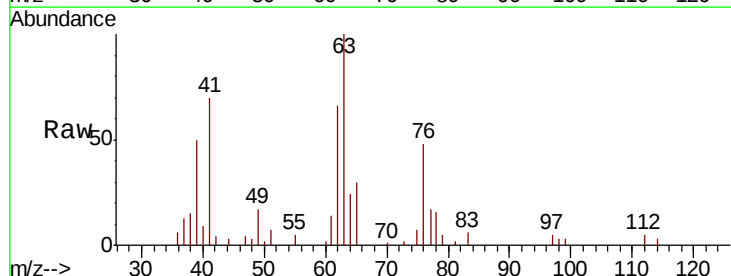


Abundance Ion 129.90 (129.60 to 130.60): VU040101.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU040101.D (-1607) (-)

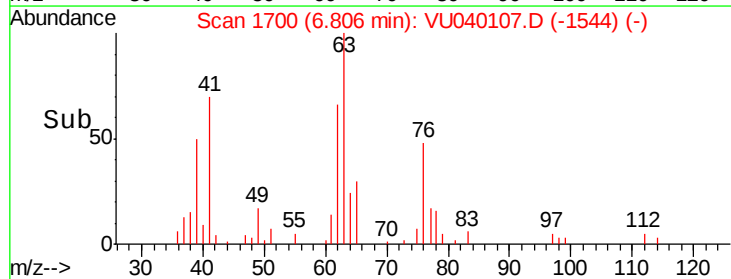
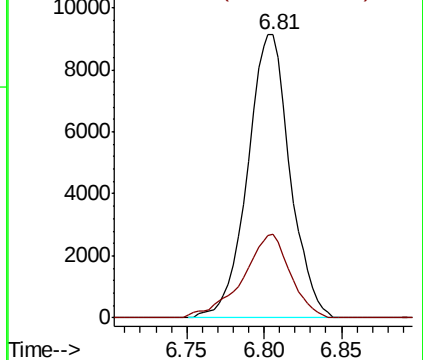


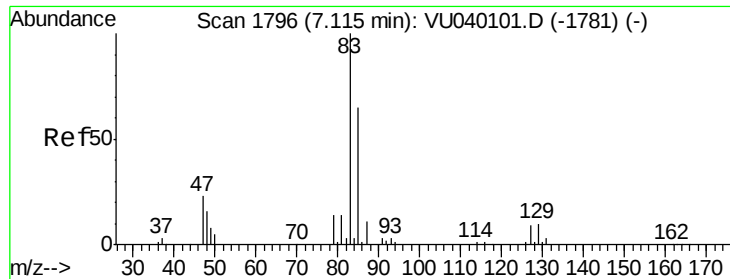
#38
 1,2-Dichloropropane
 Concen: 2.004 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

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



Abundance Ion 63.00 (62.70 to 63.70): VU040101.D (-1681) (-)
 Ion 65.00 (64.70 to 65.70): VU040101.D (-1681) (-)





#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

Instrument :
MSVOA_U
ClientSampleId :

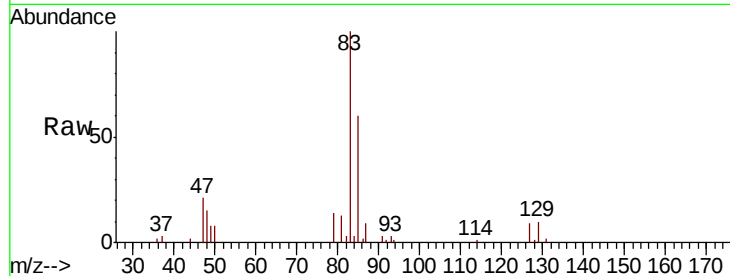
Tot Ion: 83 Resp: 22722

Ion Ratio Lower Upper

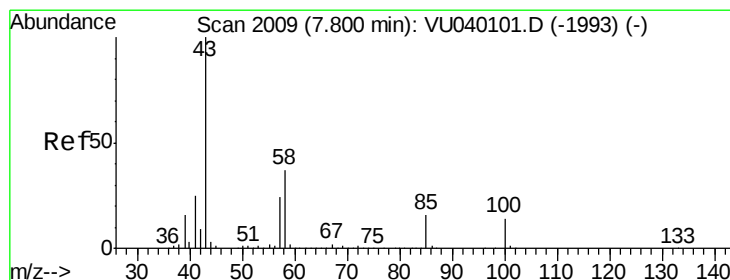
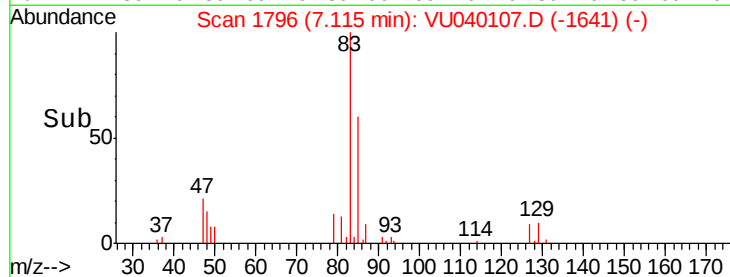
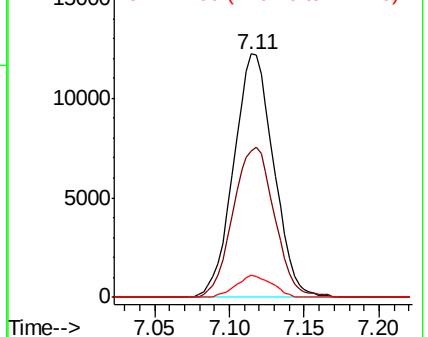
83 100

85 60.1 52.1 78.1

127 9.2 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V



#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

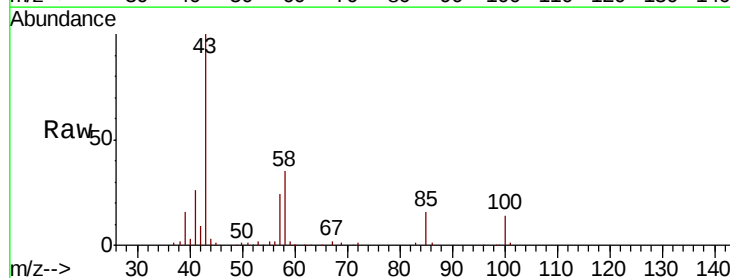
Tgt Ion: 43 Resp: 140313

Ion Ratio Lower Upper

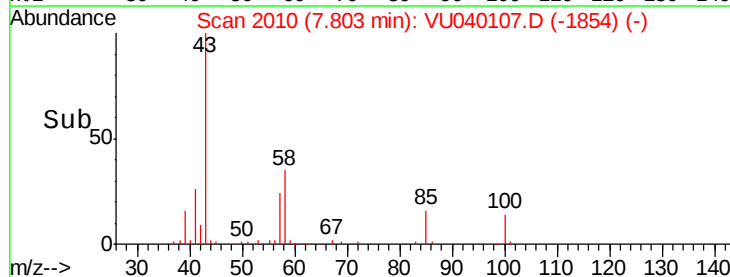
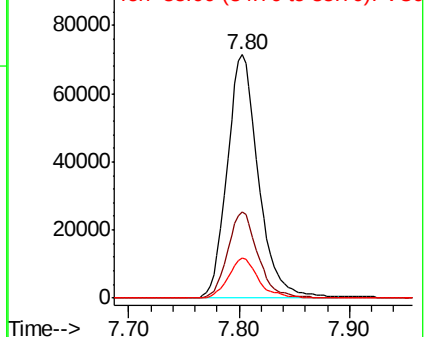
43 100

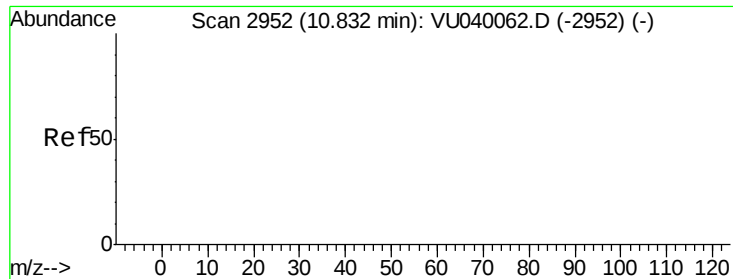
58 34.2 18.1 54.3

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

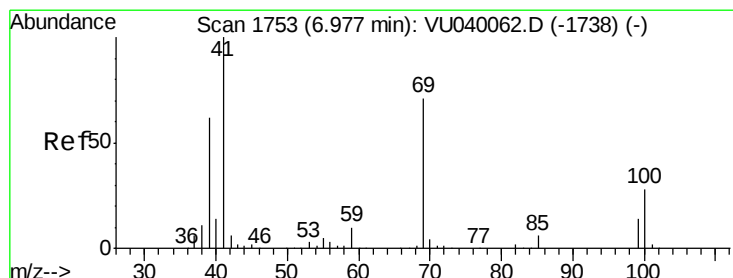
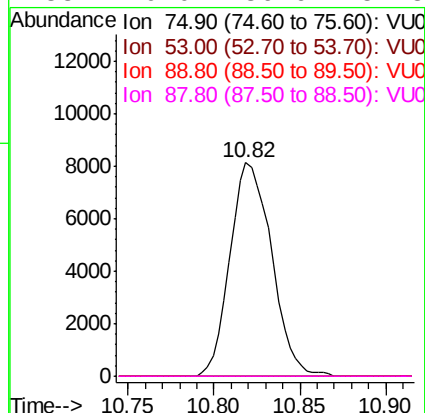
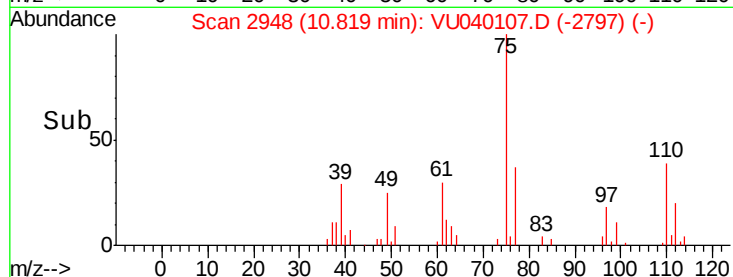
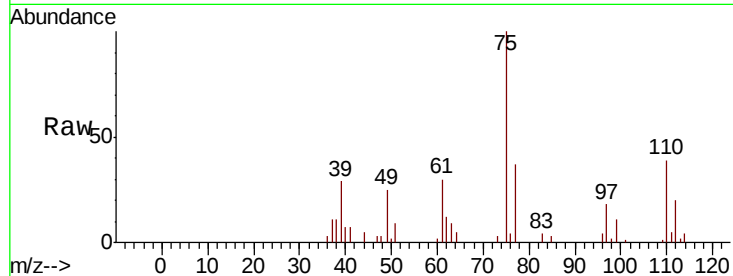




#46
t-1,4-Dichloro-2-butene
Concen: 4.007 ug/l
RT: 10.82 min Scan# 2948
Delta R.T. -0.01 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

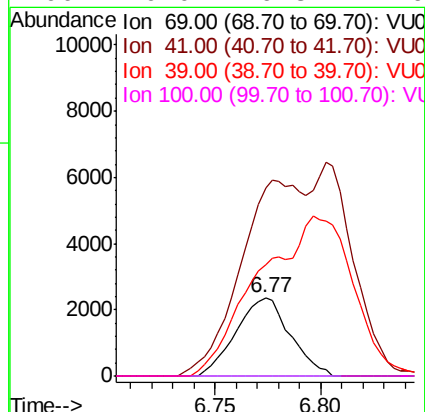
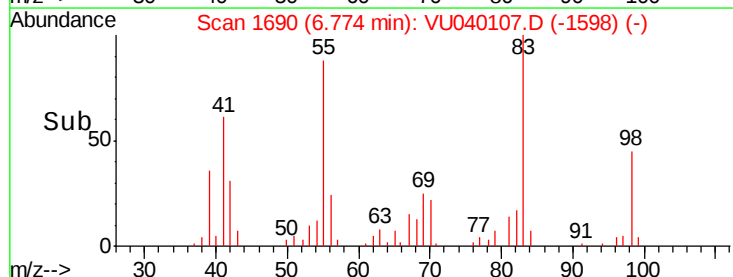
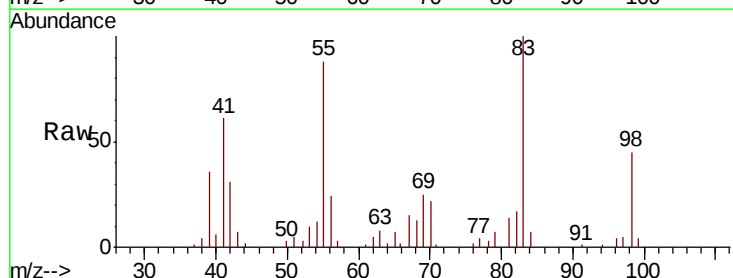
Instrument :
MSVOA_U
ClientSampleId :

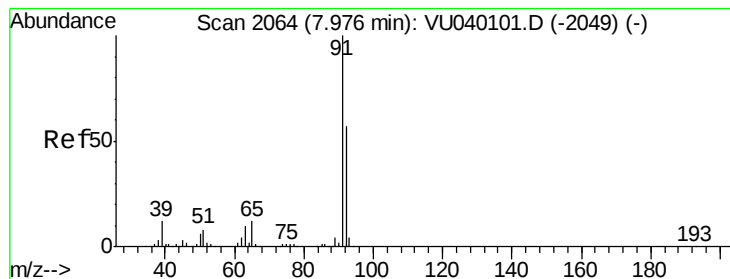
Tot Ion:	75	Resp:	13687
Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.0	112.6#
89	0.0	41.6	62.4#
88	0.0	36.6	54.8#



#47
Methyl methacrylate
Concen: 4.325 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. -0.20 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt Ion:	69	Resp:	4223
Ion	Ratio	Lower	Upper
69	100		
41	293.5	0.0	273.0#
39	353.8	67.8	101.6#
100	0.0	29.8	44.6#





#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

Instrument :

MSVOA_U

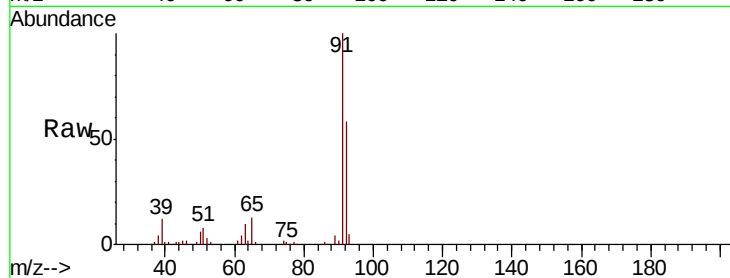
ClientSampleId :

Tot Ion: 92 Resp: 35355

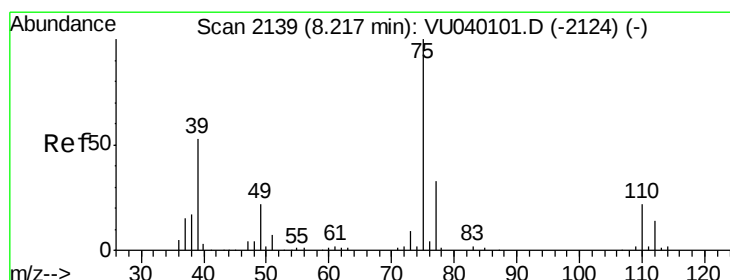
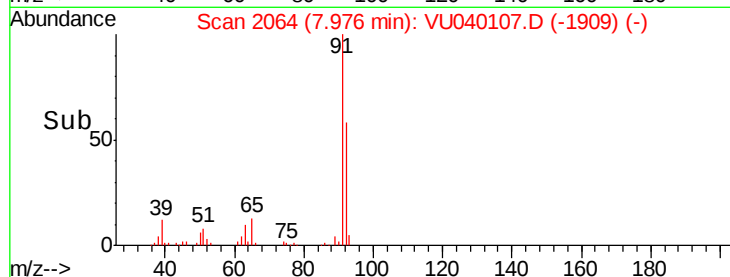
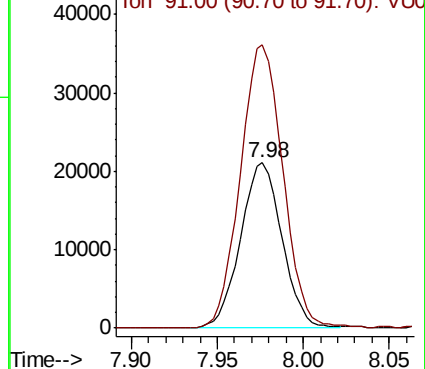
Ion Ratio Lower Upper

92 100

91 175.4 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VU040107.D (-1909) (-)



#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

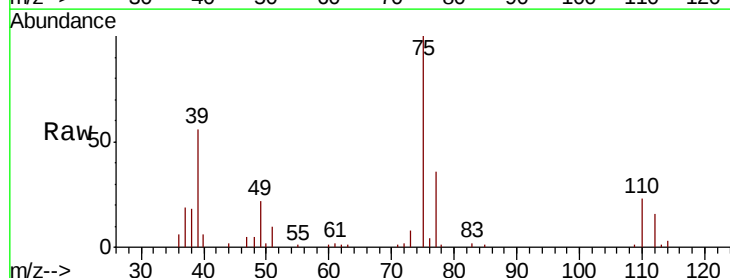
Acq: 11 Sep 2020 16:59

Tgt Ion: 75 Resp: 20627

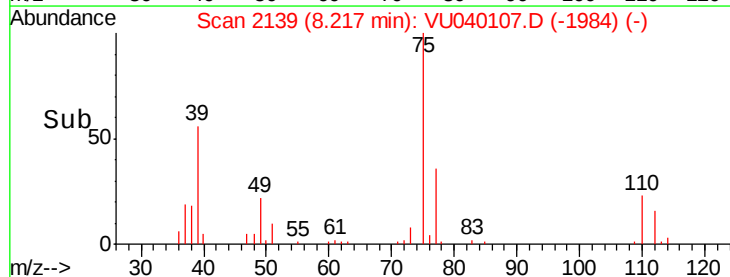
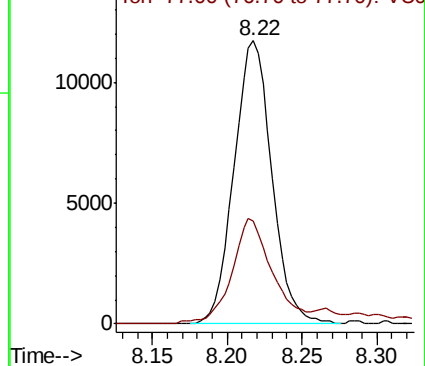
Ion Ratio Lower Upper

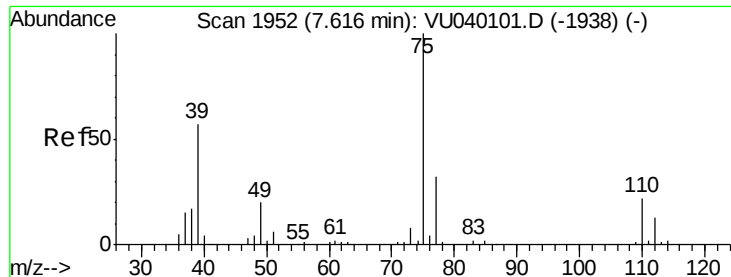
75 100

77 35.5 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU040107.D (-1984) (-)



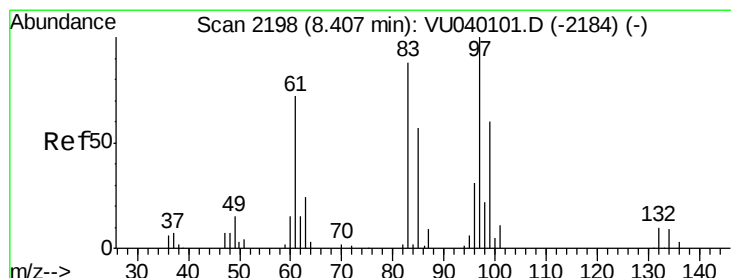
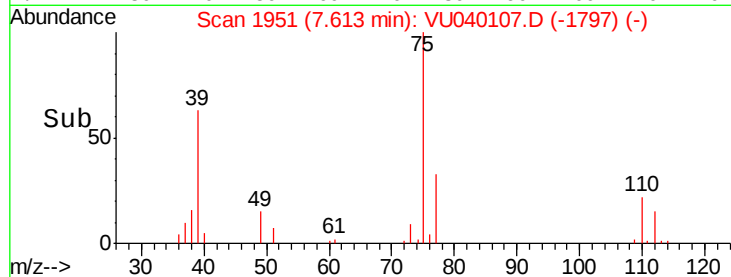
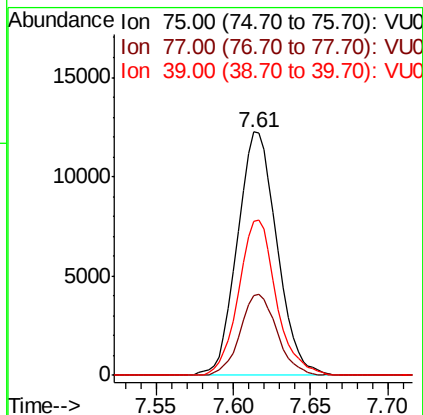
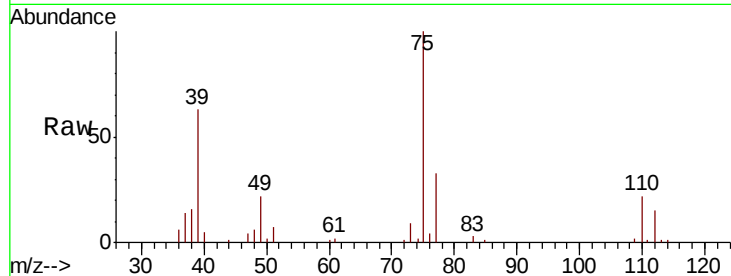


#51

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

Instrument :
 MSVOA_U
 ClientSampleId :

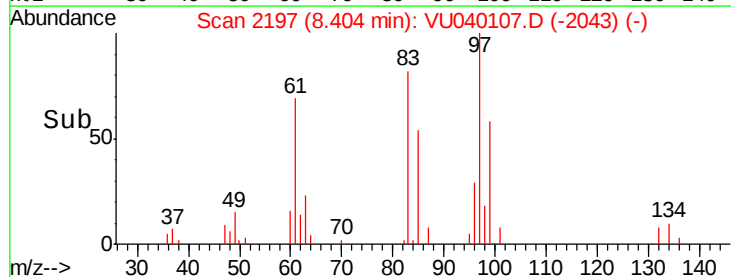
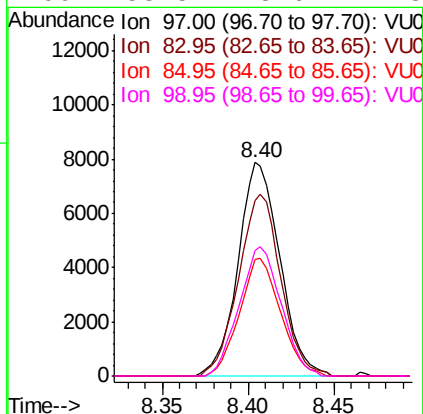
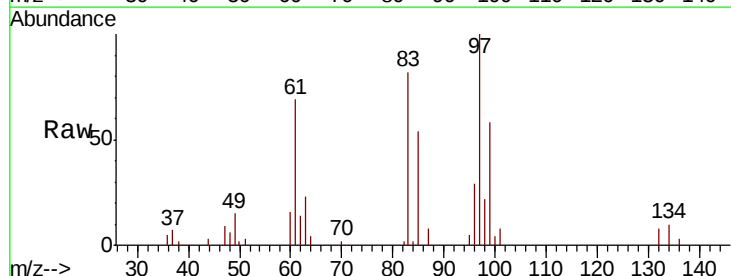
Tot Ion: 75 Resp: 21792
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.6 37.0
 39 63.1 46.2 69.4

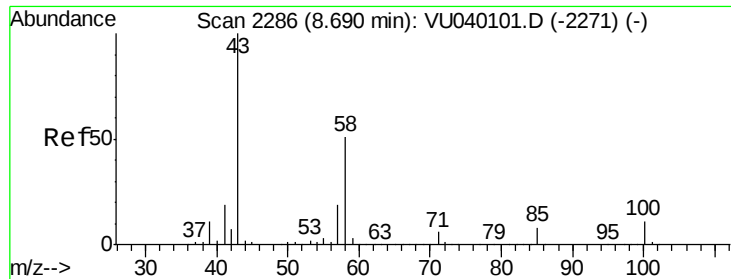


#52

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

Tgt 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





#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

Instrument :
MSVOA_U
ClientSampleId :

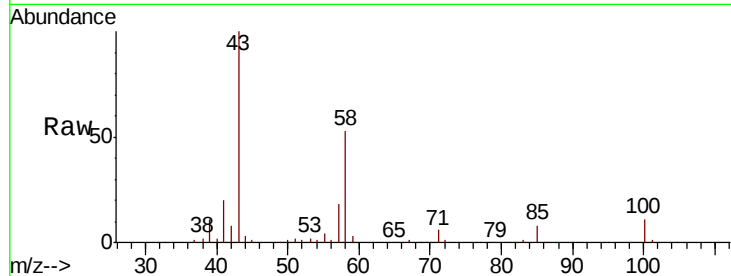
Tot Ion: 43 Resp: 98845

Ion Ratio Lower Upper

43 100

58 49.8 29.6 69.6

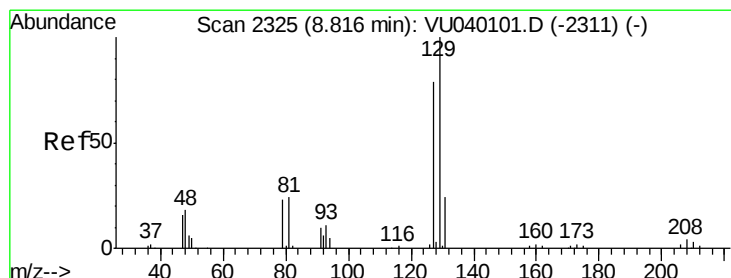
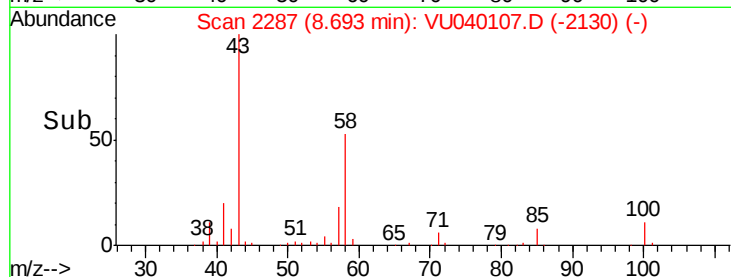
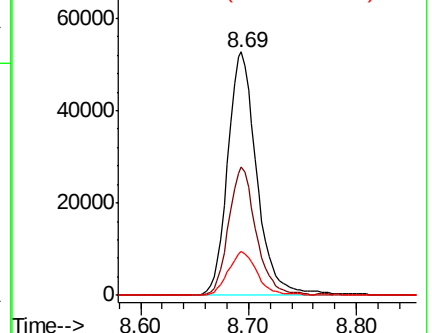
57 17.9 0.0 37.8



Abundance Ion 43.00 (42.70 to 43.70): VU040107.D (-2130) (-)

Ion 58.00 (57.70 to 58.70): VU040107.D (-2130) (-)

Ion 57.00 (56.70 to 57.70): VU040107.D (-2130) (-)



#55

Dibromochloromethane

Concen: 1.963 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU040107.D

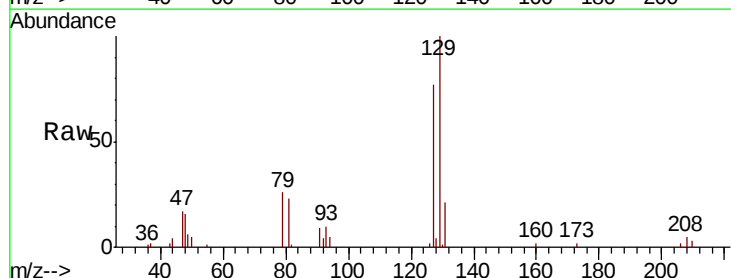
Acq: 11 Sep 2020 16:59

Tgt Ion: 129 Resp: 15689

Ion Ratio Lower Upper

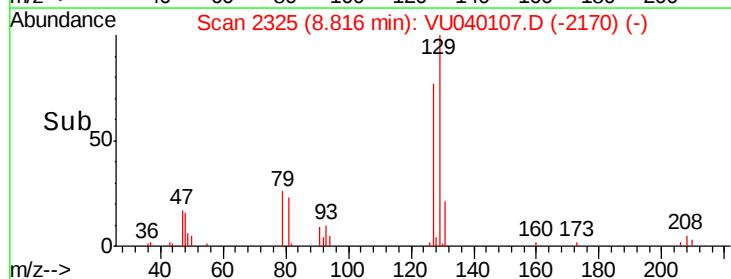
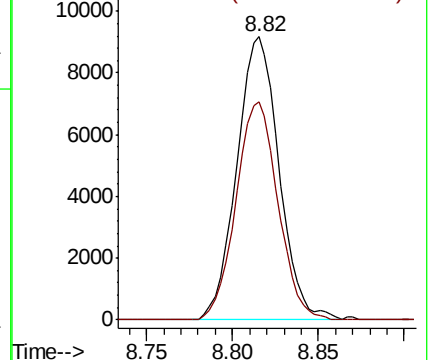
129 100

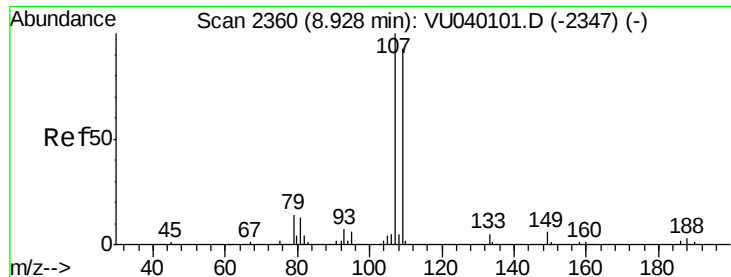
127 76.5 62.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): VU040107.D (-2170) (-)

Ion 127.00 (126.70 to 127.70): VU040107.D (-2170) (-)

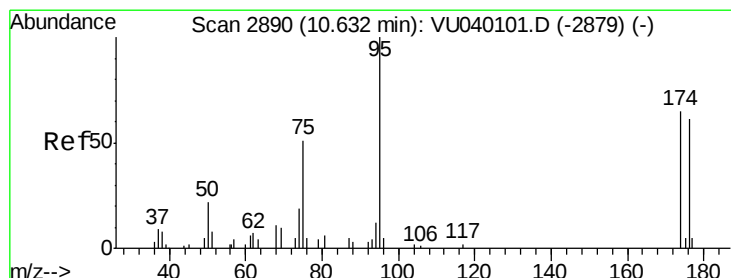
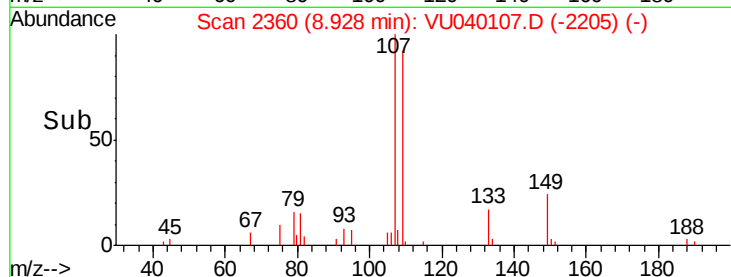
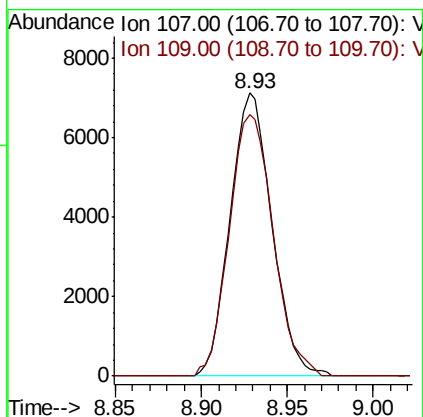
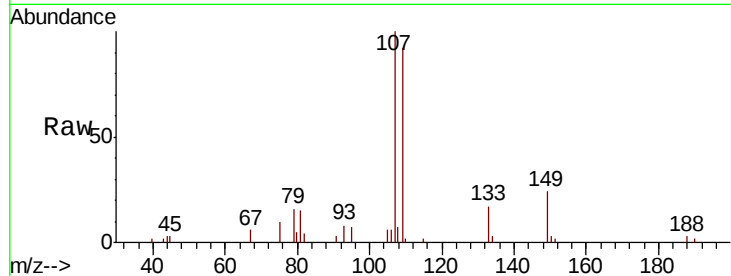




#56
 1,2-Dibromoethane
 Concen: 1.902 ug/l
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

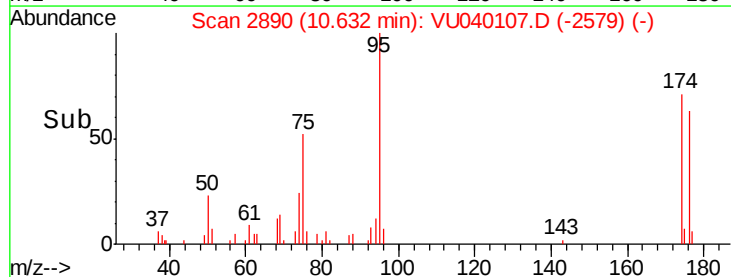
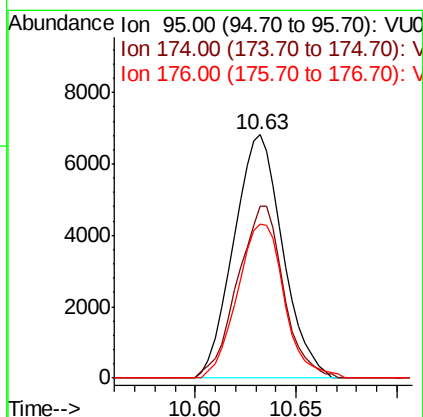
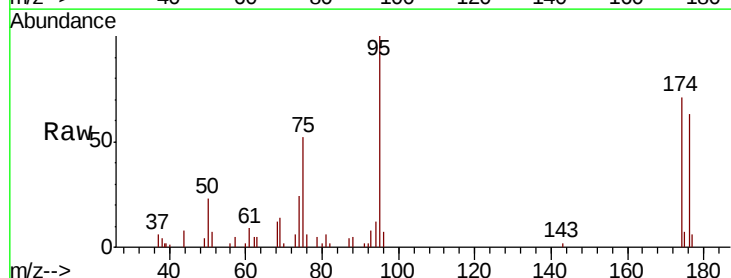
Instrument :
 MSVOA_U
 ClientSampleId :

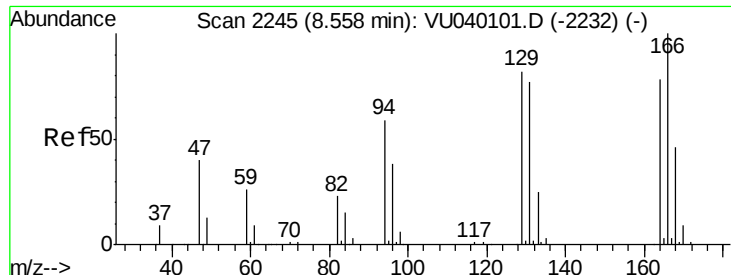
Tot Ion:107 Resp: 12086
 Ion Ratio Lower Upper
 107 100
 109 97.2 0.0 191.0



#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

Tgt 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

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 10601

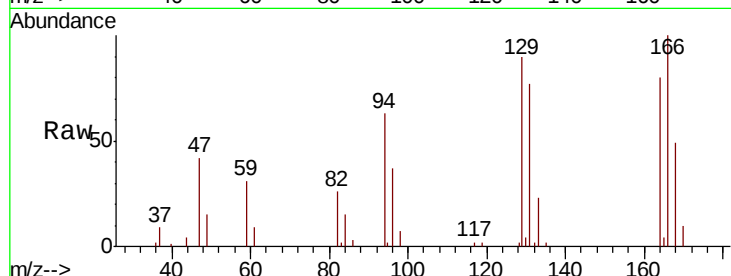
Ion Ratio Lower Upper

164 100

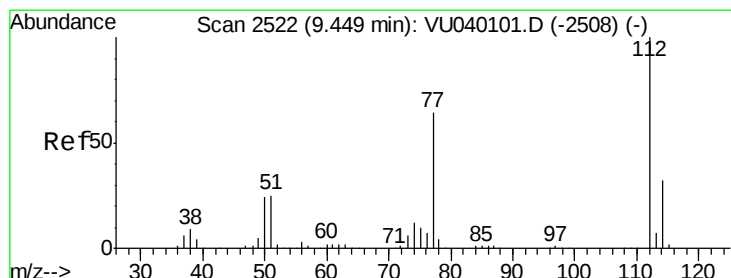
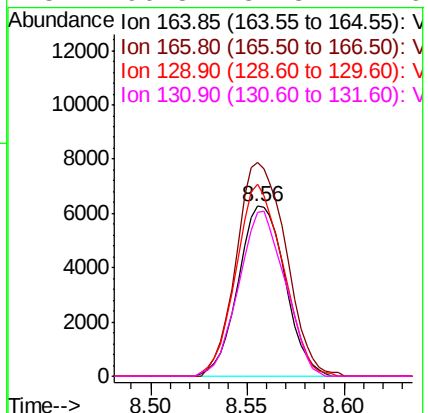
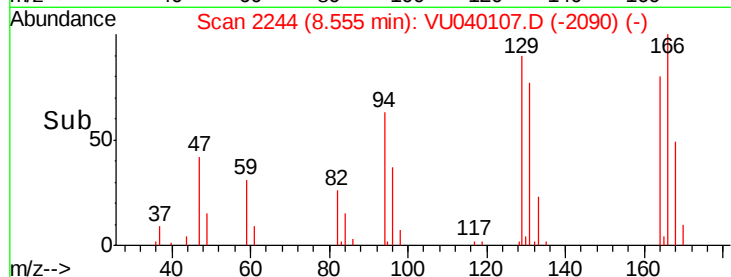
166 125.8 101.3 151.9

129 113.2 84.8 127.2

131 96.8 81.8 122.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 2.004 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040107.D

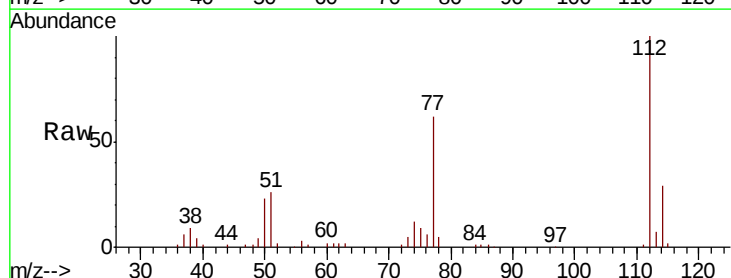
Acq: 11 Sep 2020 16:59

Tgt Ion:112 Resp: 42027

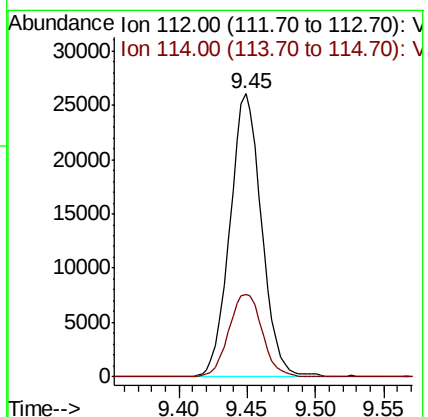
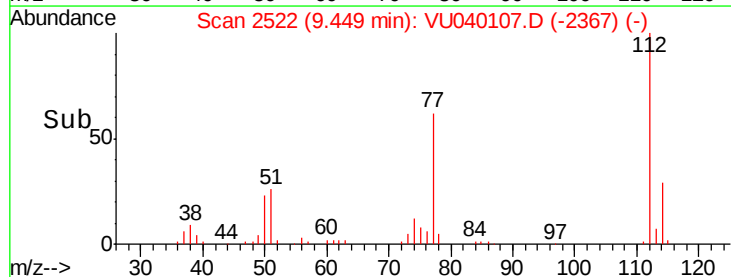
Ion Ratio Lower Upper

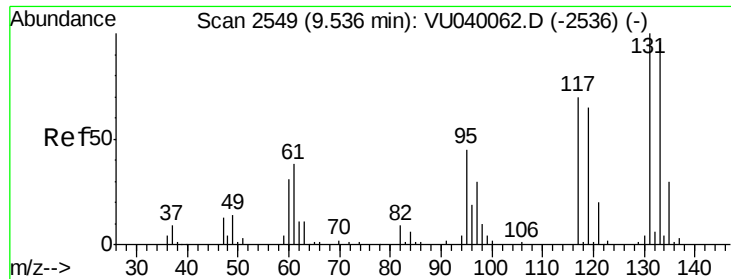
112 100

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





#60

1,1,1,2-Tetrachloroethane

Concen: 0.664 ug/l

RT: 9.53 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_U

ClientSampled :

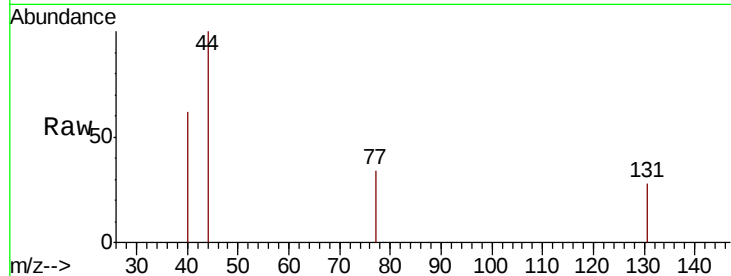
Tot Ion:131 Resp: 19

Ion Ratio Lower Upper

131 100

133 0.0 75.4 113.2#

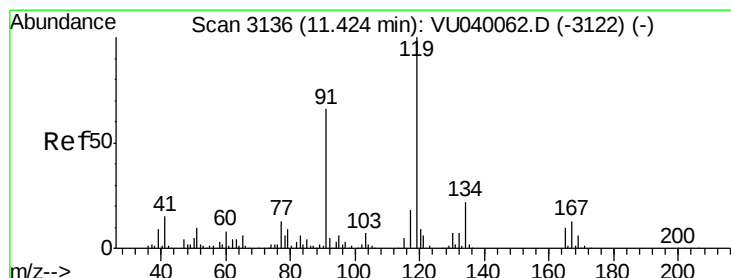
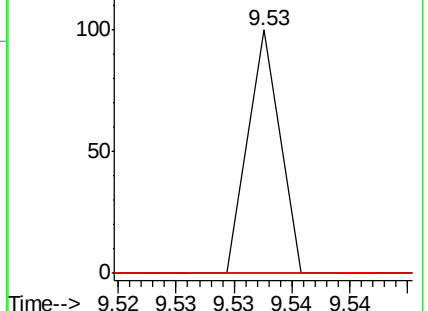
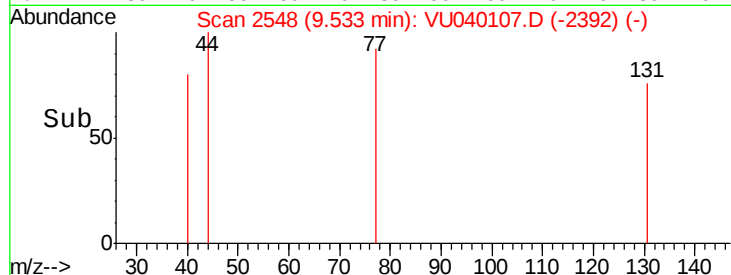
119 0.0 51.5 77.3#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 1.901 ug/l

RT: 11.47 min Scan# 3150

Delta R.T. 0.04 min

Lab File: VU040107.D

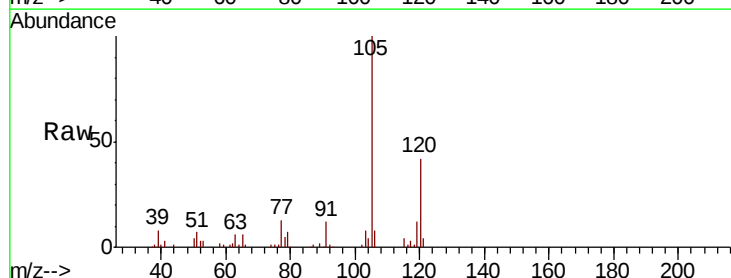
Acq: 11 Sep 2020 16:59

Tgt Ion:117 Resp: 2105

Ion Ratio Lower Upper

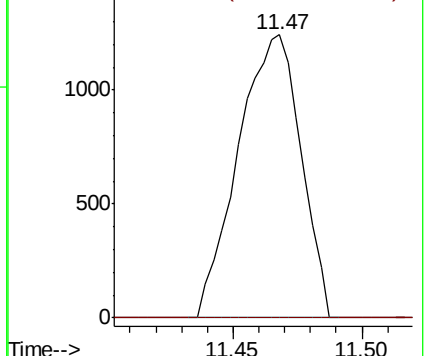
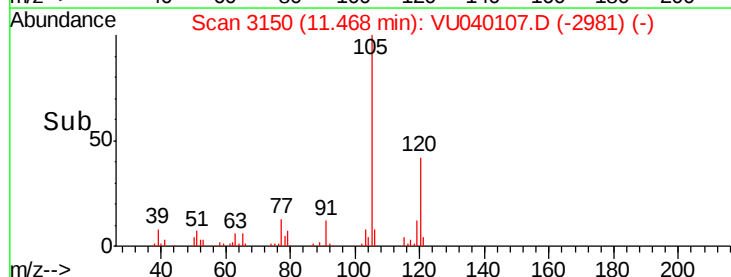
117 100

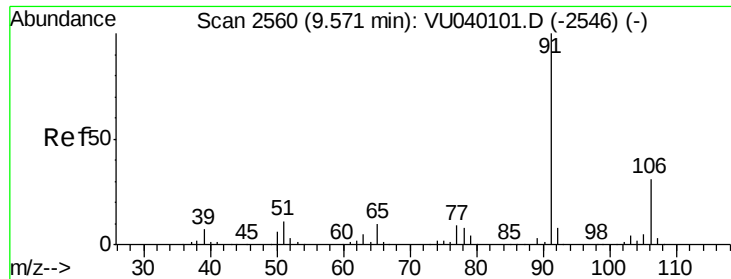
167 0.0 54.5 81.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V

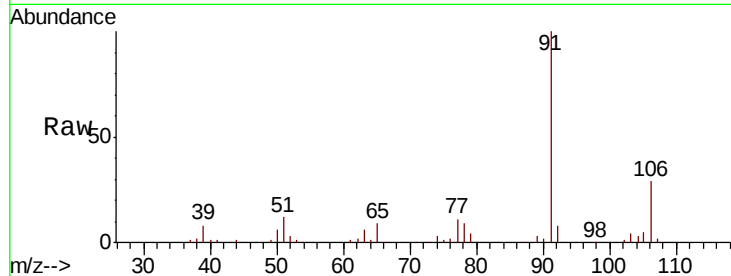




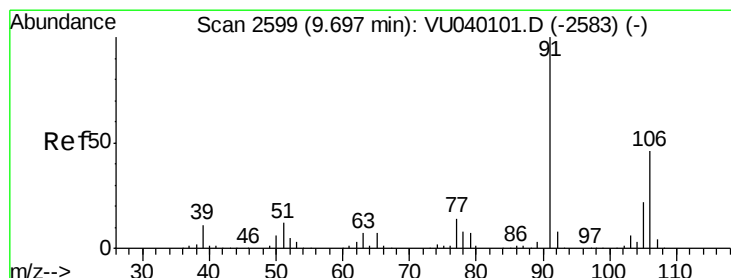
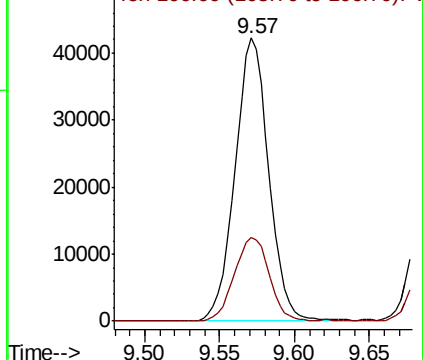
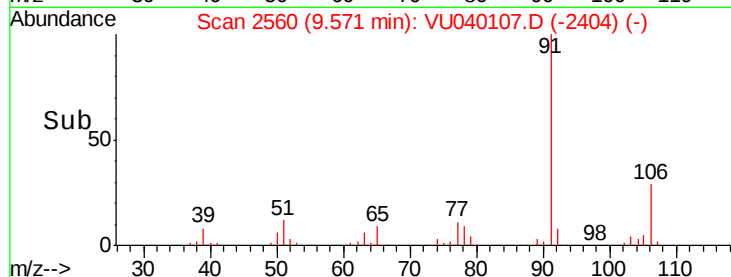
#63
Ethyl Benzene
Concen: 1.900 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 66159
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8

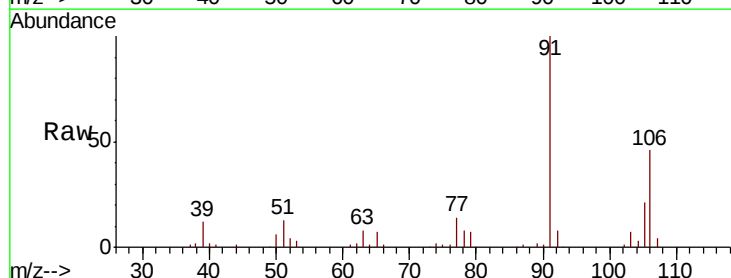


Abundance Ion 91.00 (90.70 to 91.70): VU040107.D (-2404) (-)
Ion 106.00 (105.70 to 106.70): VU040107.D (-2404) (-)

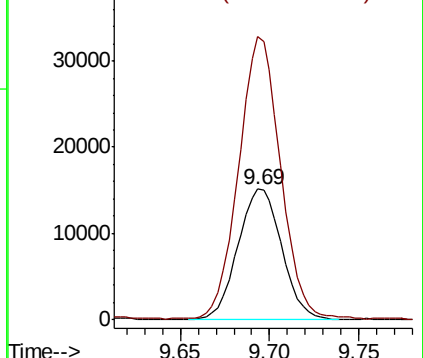
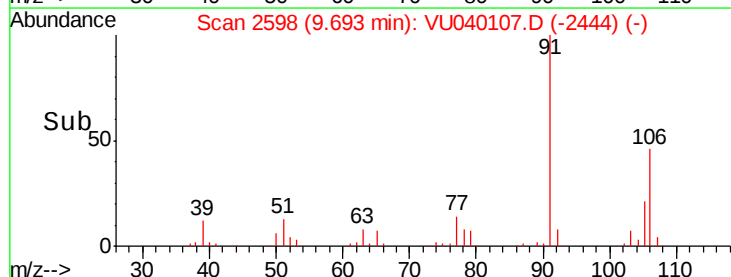


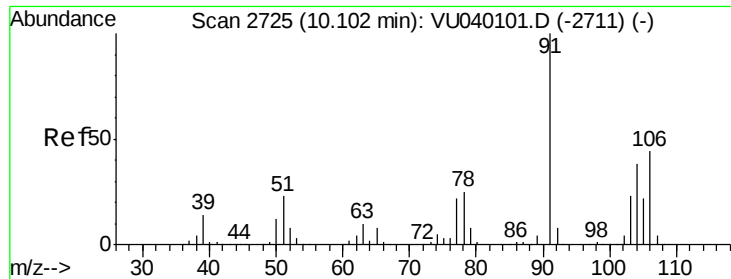
#64
m/p-Xylenes
Concen: 3.936 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Tgt 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): VU040107.D (-2444) (-)
Ion 91.00 (90.70 to 91.70): VU040107.D (-2444) (-)

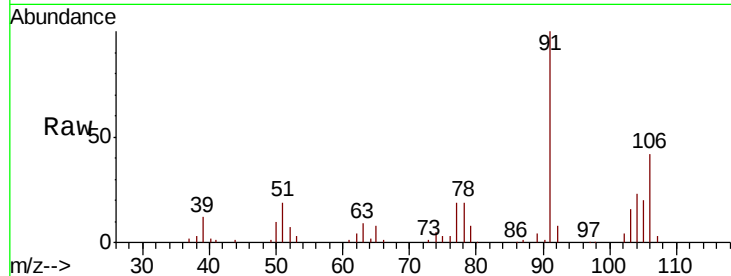




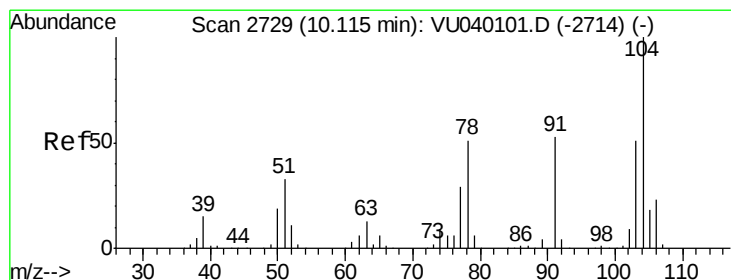
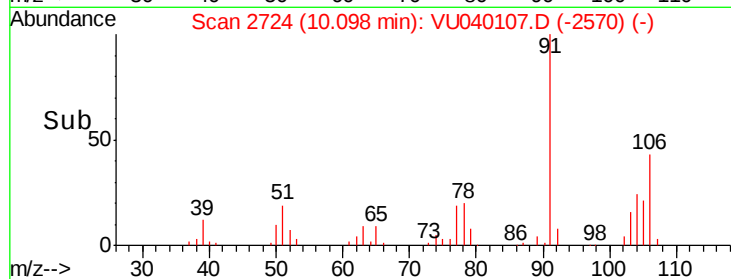
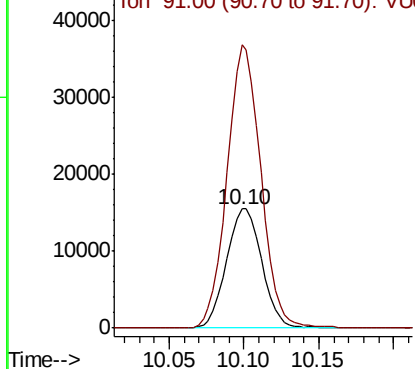
#65
o-Xylene
Concen: 2.012 ug/l
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 25529
Ion Ratio Lower Upper
106 100
91 226.6 114.2 342.6

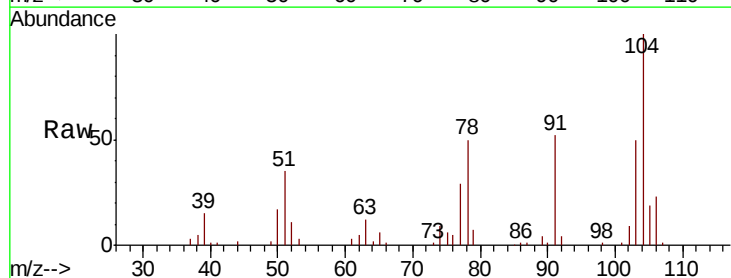


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

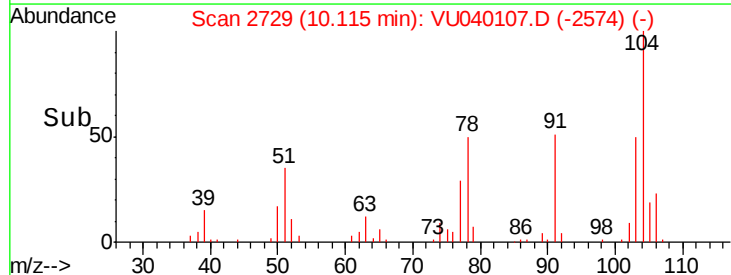
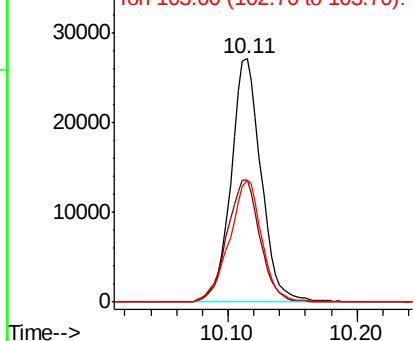


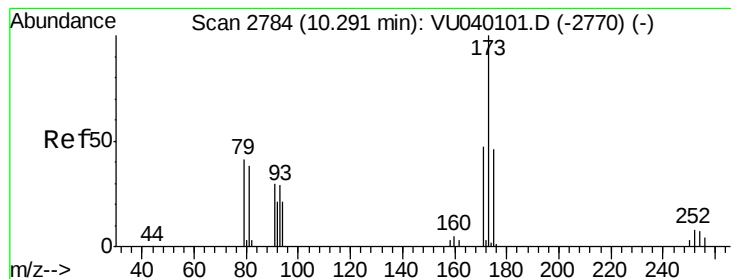
#66
Styrene
Concen: 1.936 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

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



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#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

Instrument :

MSVOA_U

ClientSampleId :

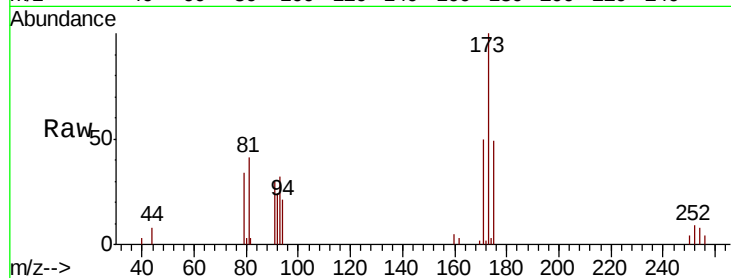
Tot Ion:173 Resp: 8050

Ion Ratio Lower Upper

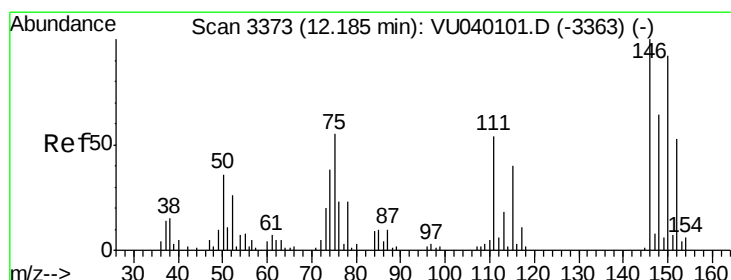
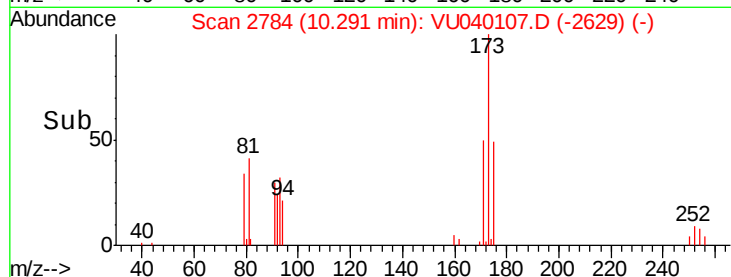
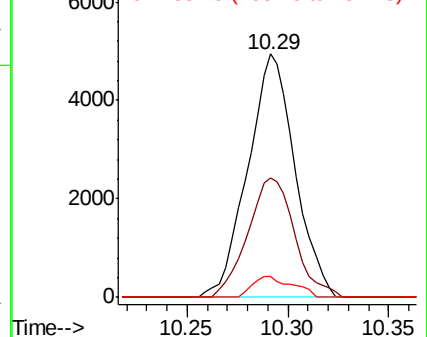
173 100

175 49.1 38.0 57.0

254 7.4 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#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

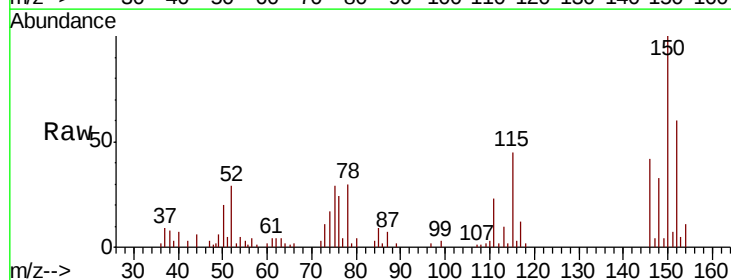
Tgt Ion:152 Resp: 10678

Ion Ratio Lower Upper

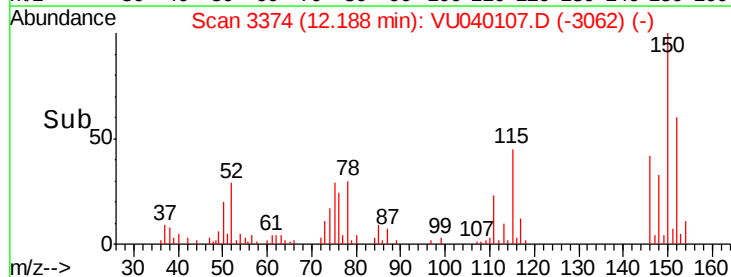
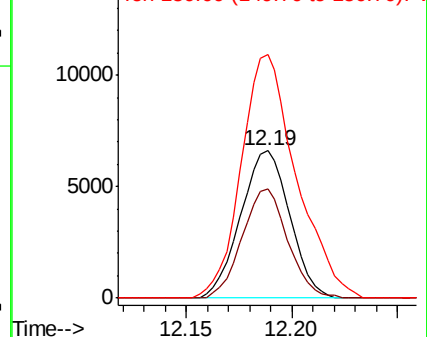
152 100

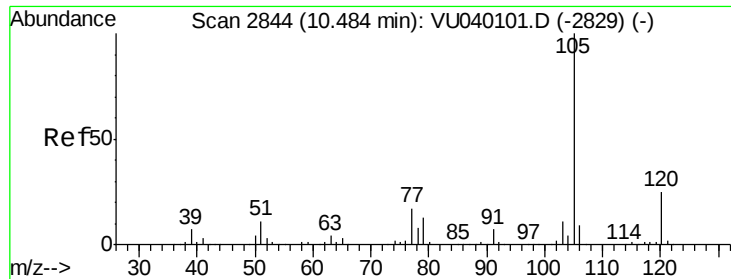
115 68.9 0.0 309.0

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

Instrument :

MSVOA_U

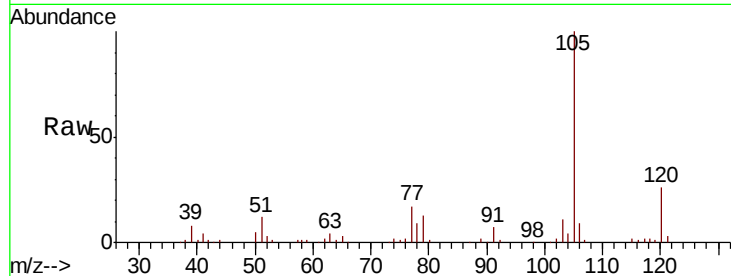
ClientSampleId :

Tot Ion:105 Resp: 70110

Ion Ratio Lower Upper

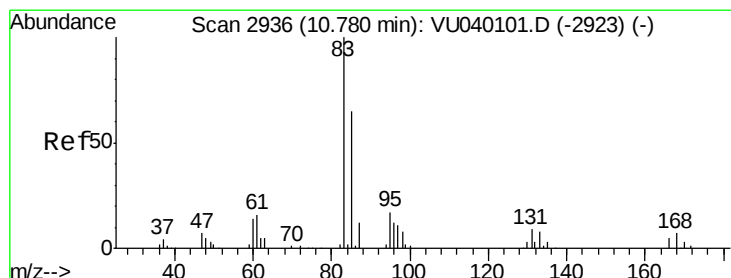
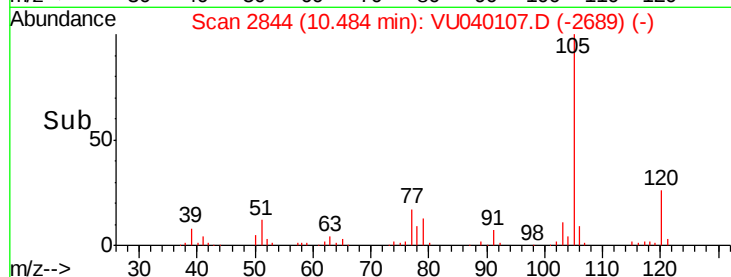
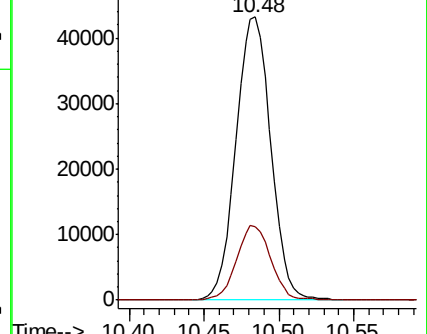
105 100

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

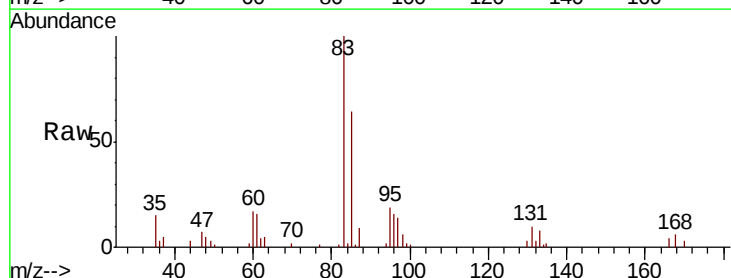
Tgt Ion: 83 Resp: 17079

Ion Ratio Lower Upper

83 100

131 8.7 7.5 11.3

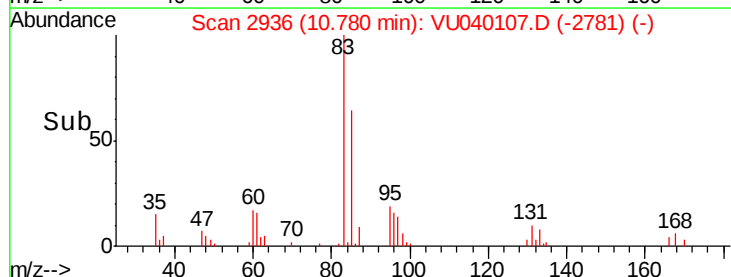
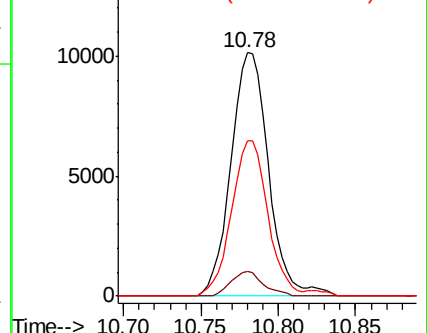
85 61.4 49.7 74.5

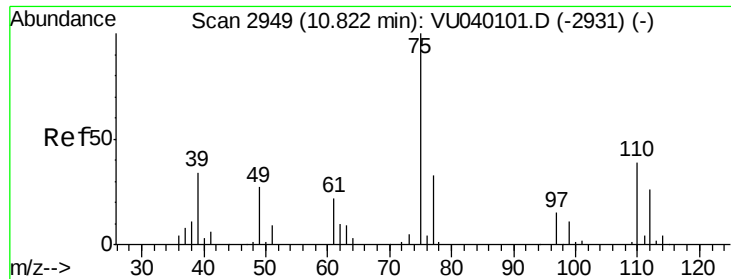


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

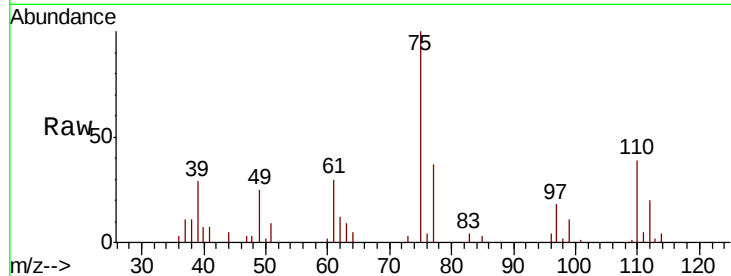




#71
 1,2,3-Trichloropropane
 Concen: 1.989 ug/l
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot 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



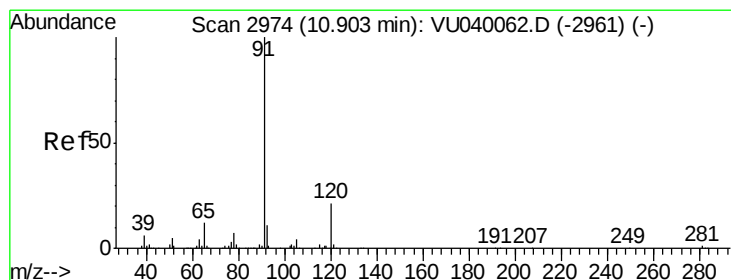
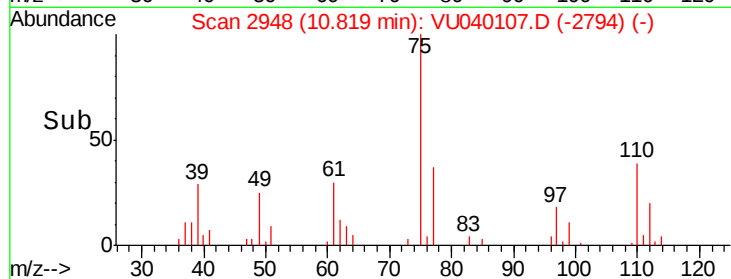
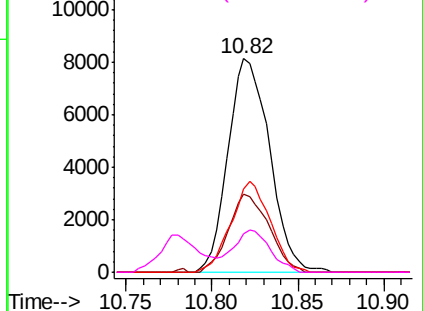
Abundance

Ion 75.00 (74.70 to 75.70): VU040107.D (-2931) (-)

Ion 77.00 (76.70 to 77.70): VU040107.D (-2931) (-)

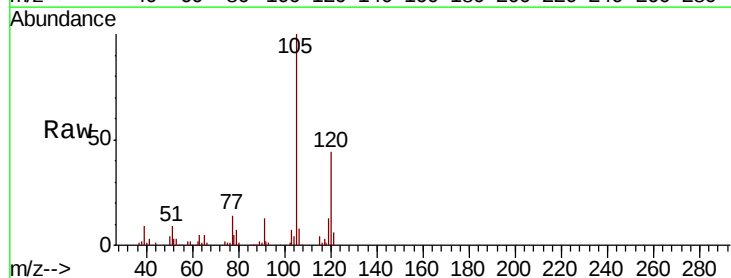
Ion 110.00 (109.70 to 110.70): VU040107.D (-2931) (-)

Ion 97.00 (96.70 to 97.70): VU040107.D (-2931) (-)



#73
 n-propylbenzene
 Concen: 1.917 ug/l
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.18 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

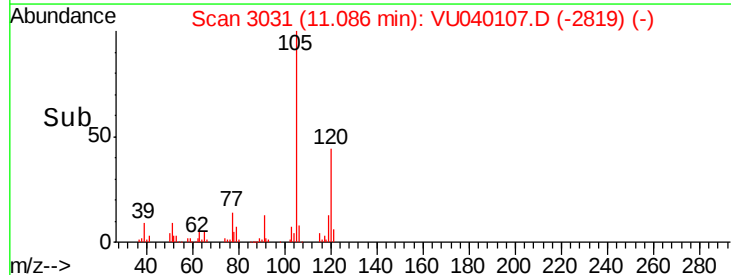
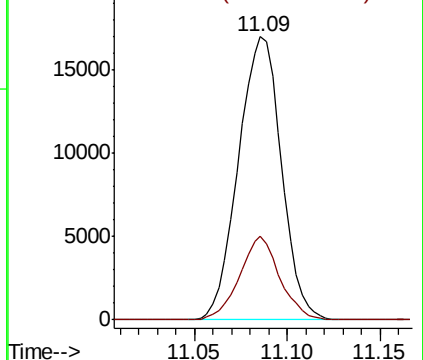
Tgt Ion:	120	Resp:	27376
Ion	Ratio	Lower	Upper
120	100		
91	27.4	380.4	570.6

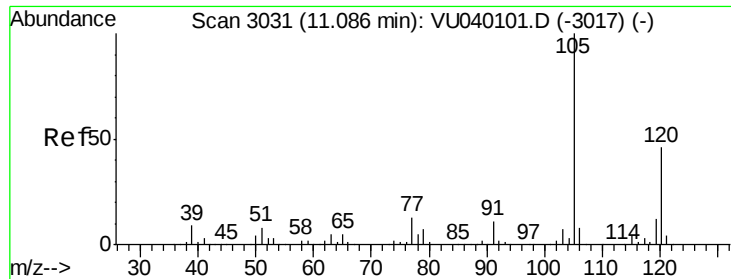


Abundance

Ion 120.00 (119.70 to 120.70): VU040107.D (-2819) (-)

Ion 91.00 (90.70 to 91.70): VU040107.D (-2819) (-)





#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

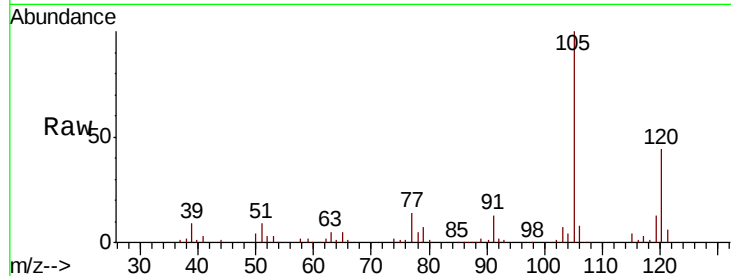
ClientSampled :

Tot Ion:105 Resp: 58674

Ion Ratio Lower Upper

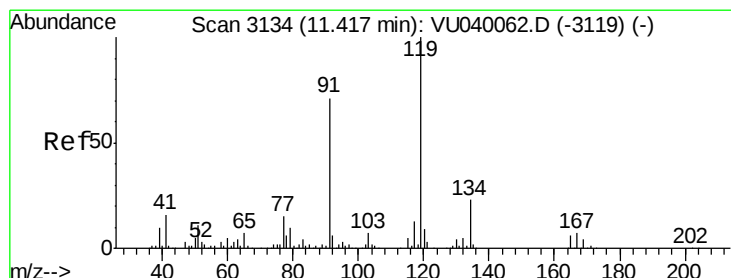
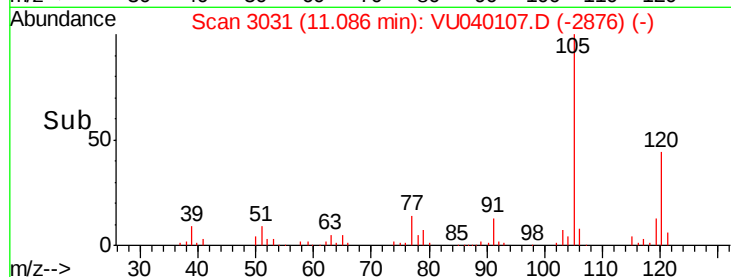
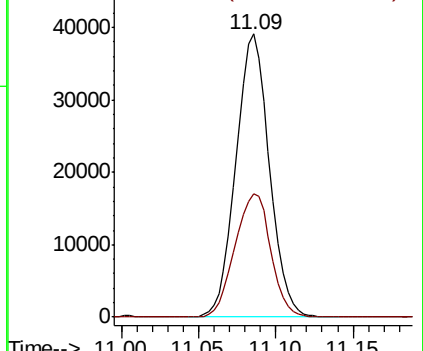
105 100

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



#77

tert-Butylbenzene

Concen: 2.028 ug/l

RT: 11.46 min Scan# 3148

Delta R.T. 0.04 min

Lab File: VU040107.D

Acq: 11 Sep 2020 16:59

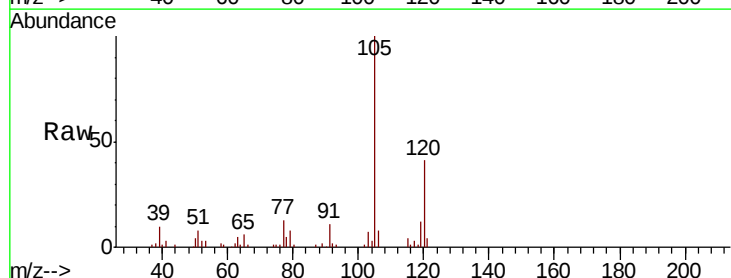
Tgt Ion:119 Resp: 7452

Ion Ratio Lower Upper

119 100

91 91.6 34.2 102.5

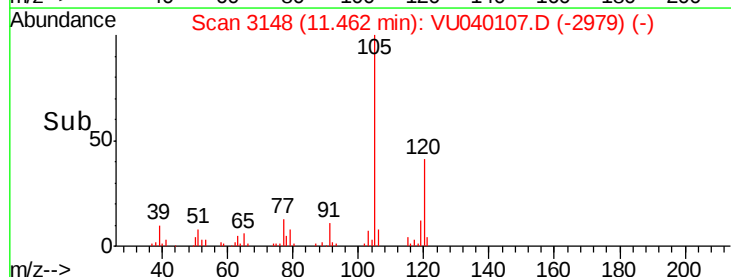
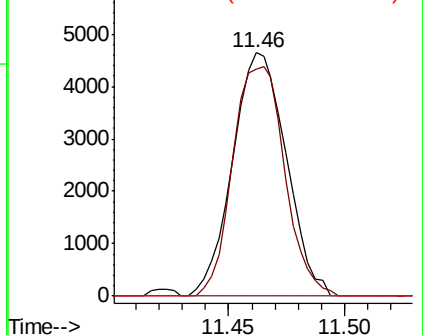
134 0.0 18.2 27.4#

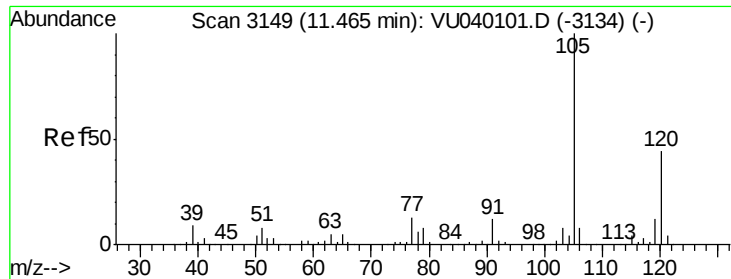


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

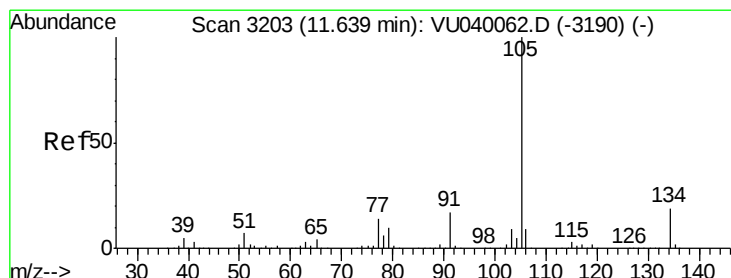
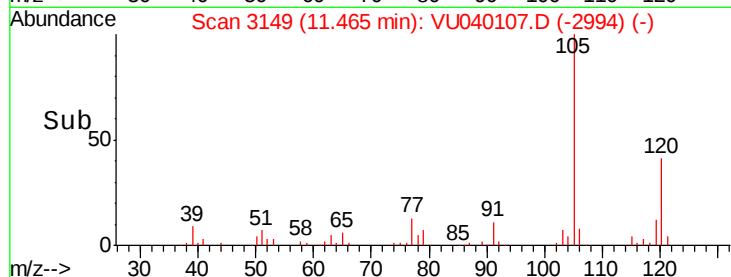
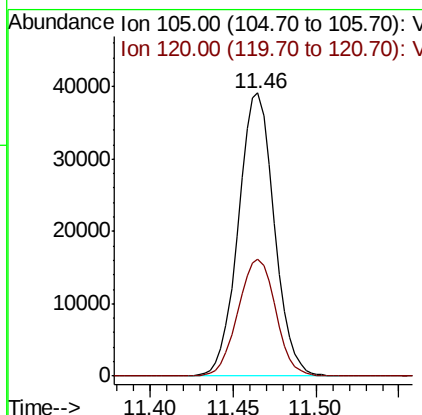
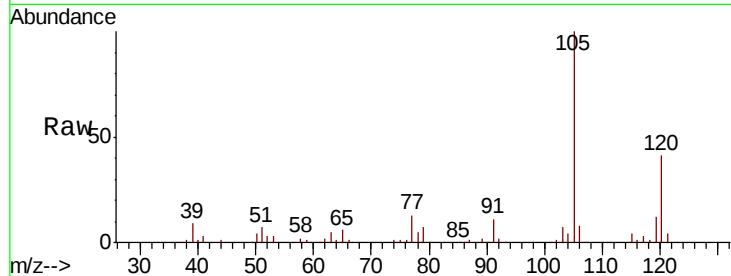




#78
 1,2,4-Trimethylbenzene
 Concen: 1.935 ug/l
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

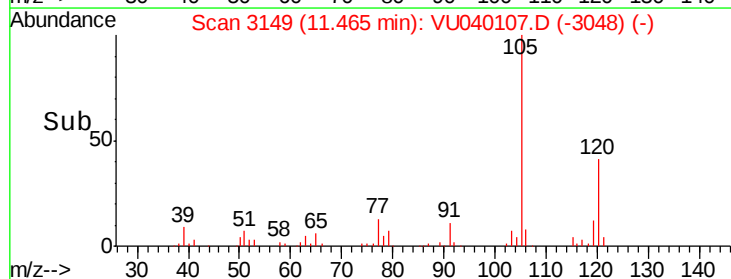
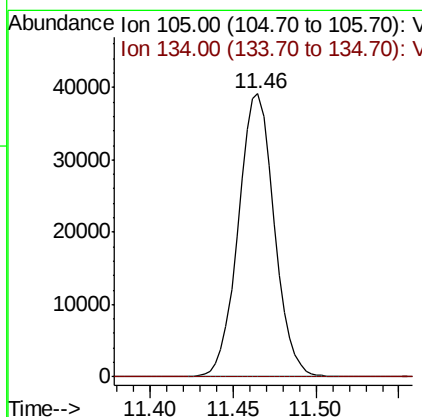
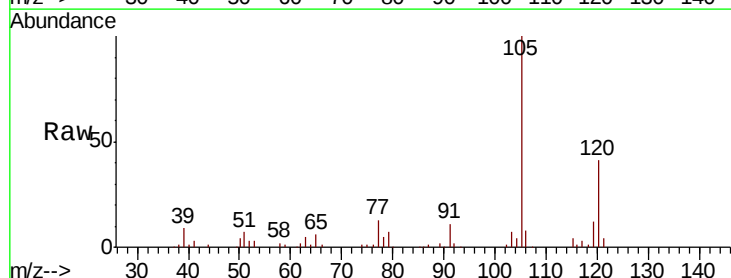
Instrument :
 MSVOA_U
 ClientSampleId :

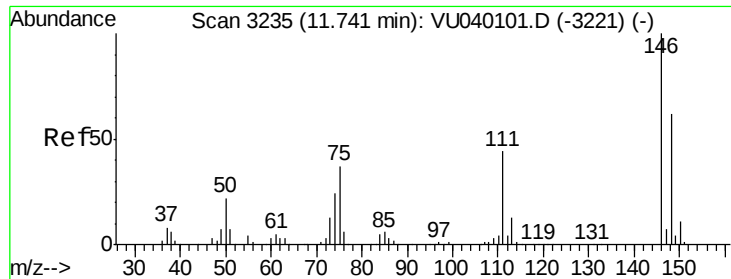
Tot Ion:105 Resp: 58959
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.9 65.5



#79
 sec-Butylbenzene
 Concen: 1.935 ug/l
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.17 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

Tgt Ion:105 Resp: 58959
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.0 22.4#





#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 :

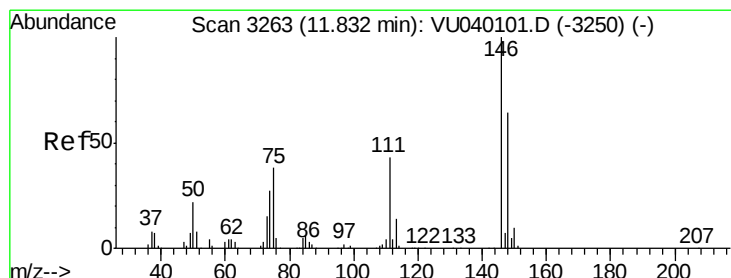
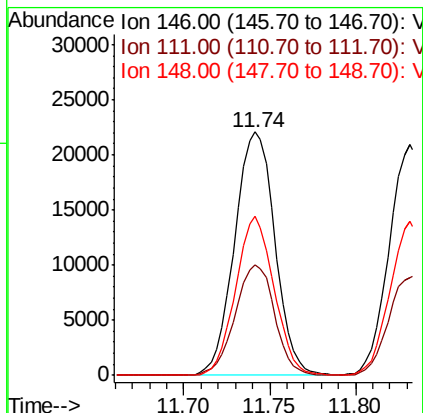
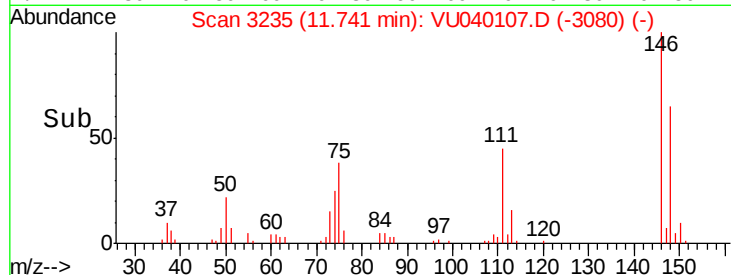
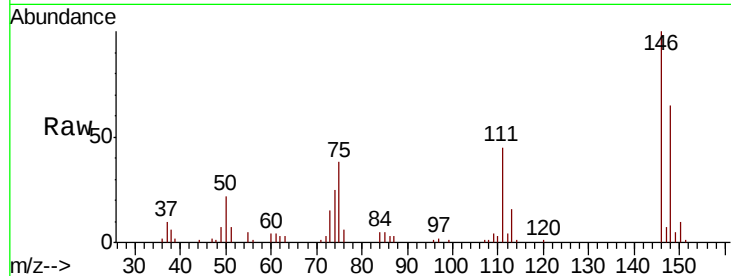
Tot Ion:146 Resp: 35886

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

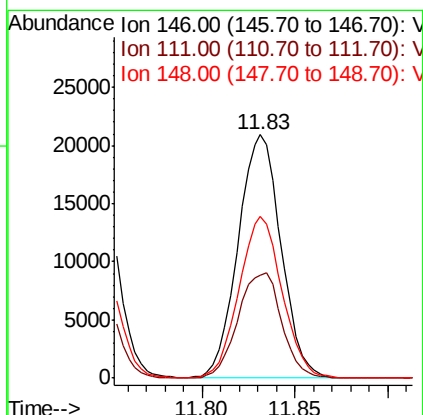
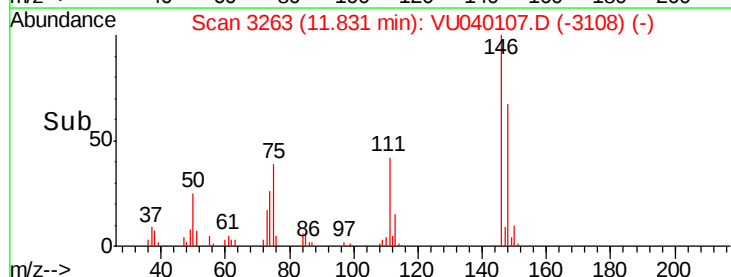
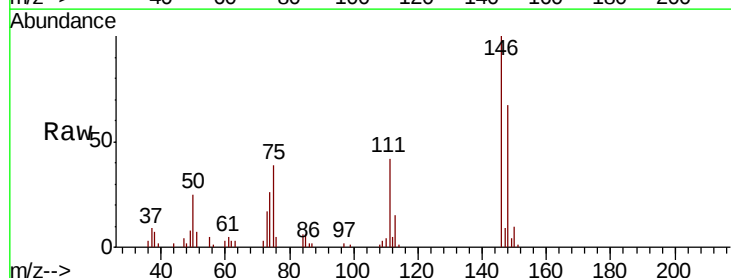
Tgt Ion:146 Resp: 33508

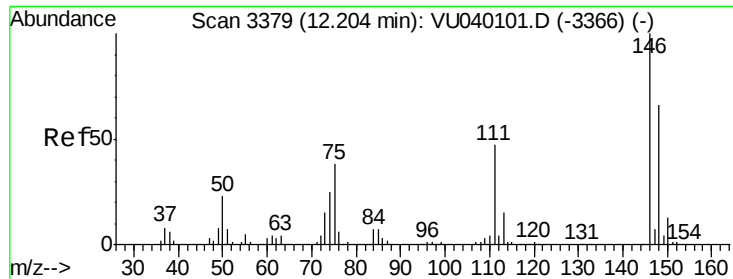
Ion Ratio Lower Upper

146 100

111 44.2 34.2 51.2

148 66.7 50.2 75.2

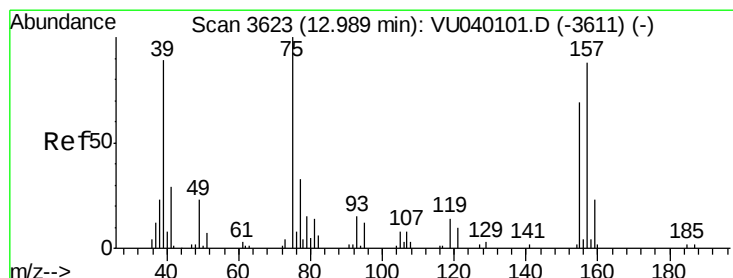
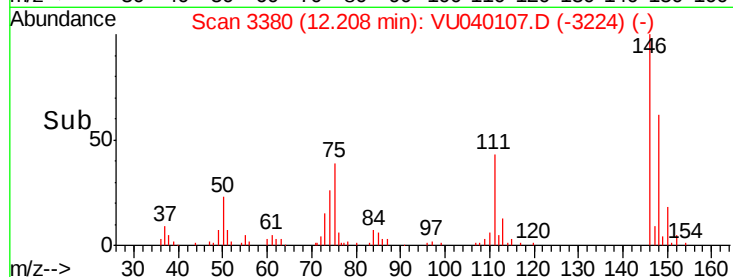
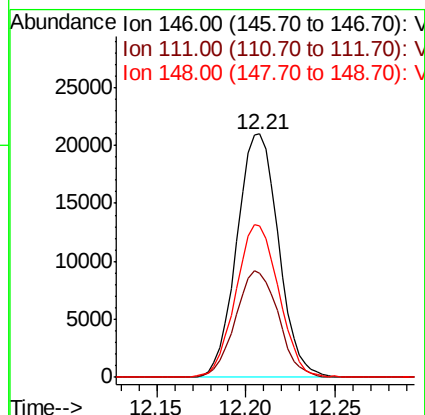
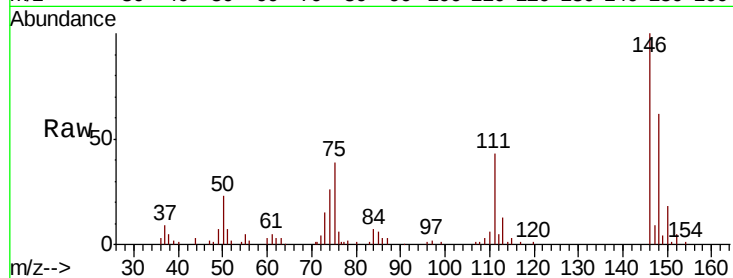




#85
 1,2-Dichlorobenzene
 Concen: 2.071 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040107.D
 Acq: 11 Sep 2020 16:59

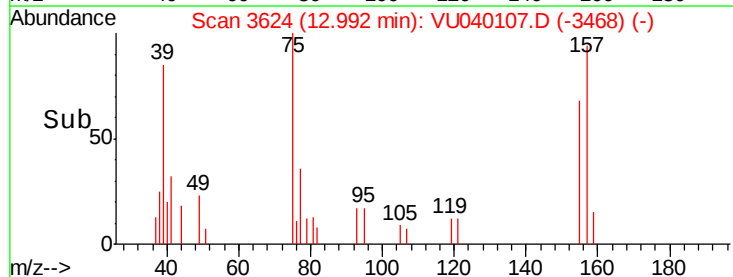
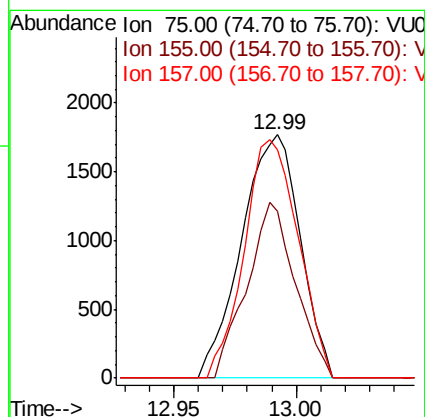
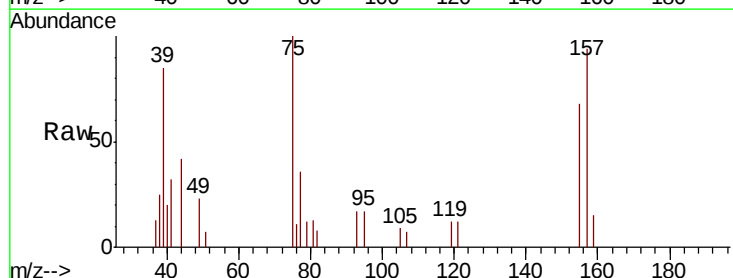
Instrument :
 MSVOA_U
 ClientSampleId :

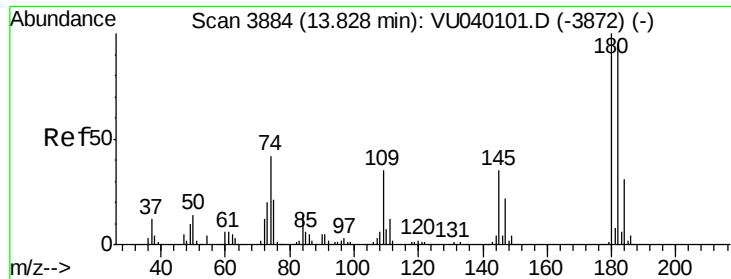
Tot Ion:146 Resp: 34188
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.9 68.7
 148 64.7 31.1 93.2



#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

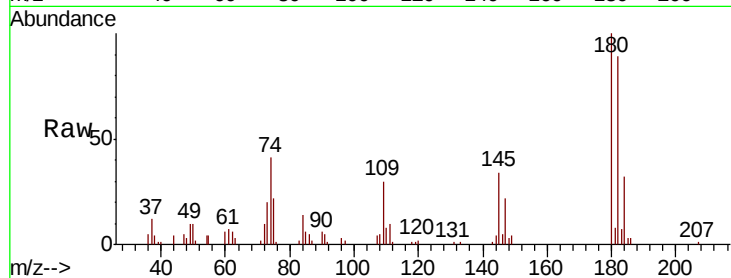




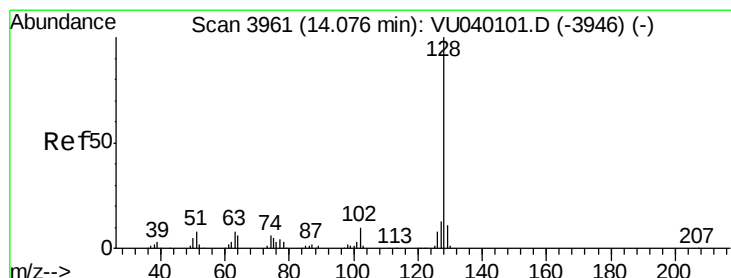
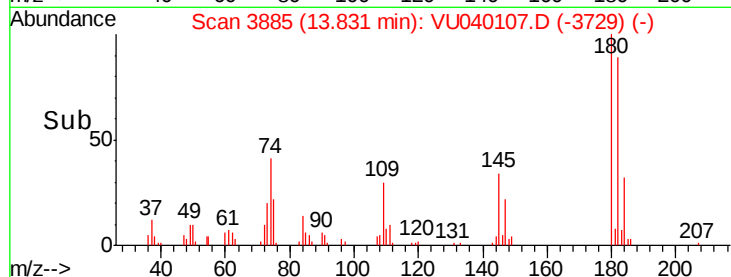
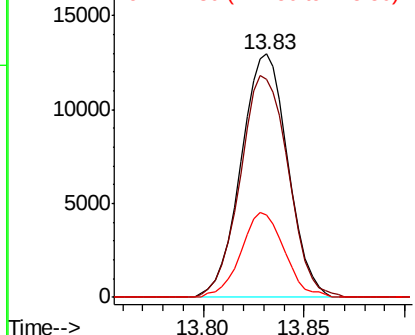
#87
1,2,4-Trichlorobenzene
Concen: 2.222 ug/l
RT: 13.83 min Scan# 3885
Delta R.T. 0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

Instrument :
MSVOA_U
ClientSampleId :

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

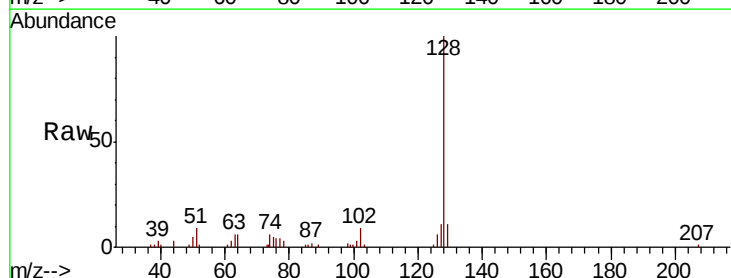


Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

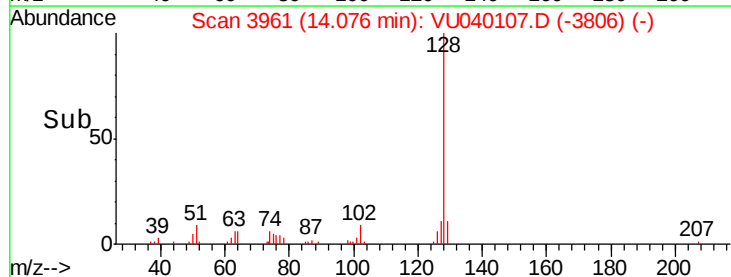
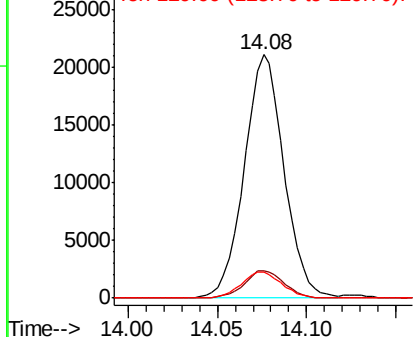


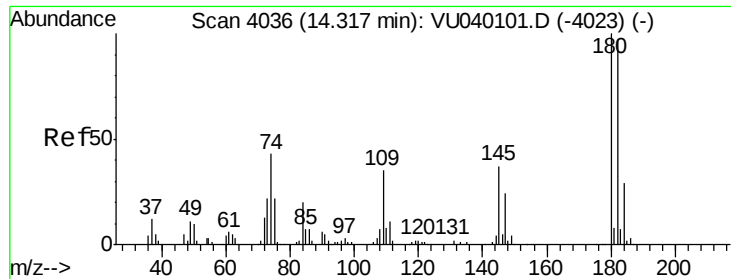
#89
Naphthalene
Concen: 1.873 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040107.D
Acq: 11 Sep 2020 16:59

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



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#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 :

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

