

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU037998.D
 Acq On : 04 May 2020 11:44
 Operator : JC/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 05 01:40:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.14	96	88748	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	34213	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	34002	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.40	85	57536	1.396	ug/l	99
3) Chloromethane	1.54	50	66618	1.603	ug/l	99
4) Vinyl Chloride	1.62	62	66658	1.784	ug/l	100
5) Bromomethane	1.87	94	41175	2.923	ug/l	97
6) Chloroethane	1.95	64	40326	2.155	ug/l	98
7) Trichlorofluoromethane	2.16	101	69696	1.559	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	42756	1.958	ug/l	99
9) 1,1-Dichloroethene	2.60	96	43967	2.102	ug/l	97
10) Iodomethane	2.75	142	21341	2.044	ug/l	98
11) Allyl Chloride	2.95	41	80627	1.990	ug/l	99
12) Acrylonitrile	3.35	53	23761	4.648	ug/l #	93
13) Acetone	2.65	43	44710	8.226	ug/l	98
14) Carbon Disulfide	2.82	76	159988	2.258	ug/l	98
15) Methylene Chloride	3.07	84	58772	2.217	ug/l	98
16) trans-1,2-Dichloroethene	3.38	96	46919	2.096	ug/l	97
17) 1,1-Dichloroethane	3.91	63	90954	1.811	ug/l	99
18) 2-Butanone	4.76	43	72674	8.865	ug/l	99
19) Cyclohexane	5.42	56	78778	1.819	ug/l	93
20) Methylcyclohexane	6.79	83	85022	1.980	ug/l	99
21) 2,2-Dichloropropane	4.70	77	74237	1.637	ug/l	97
22) cis-1,2-Dichloroethene	4.71	96	49444	1.835	ug/l	98
23) Diethyl Ether	2.40	59	39026	2.176	ug/l	100
24) tert-Butyl Alcohol	3.23	59	43523	22.646	ug/l	97
25) Methyl tert-Butyl Ether	3.40	73	118925	1.955	ug/l	98
26) Bromochloromethane	5.01	128	20959	1.791	ug/l	97
27) Chloroform	5.12	83	83896	1.577	ug/l	97
28) 1,1,1-Trichloroethane	5.35	97	68579	1.522	ug/l	98
29) 1,1-Dichloropropene	5.56	75	70117	1.863	ug/l	97
30) Carbon Tetrachloride	5.56	117	57525	1.474	ug/l	97
31) Isopropyl Ether	4.04	45	148056	1.842	ug/l	99
32) Ethyl-t-butyl ether	4.55	59	133277	1.770	ug/l	100
33) Tert-Amyl methyl ether	5.98	73	112916	1.751	ug/l	99
34) Propionitrile	4.82	54	20957	9.702	ug/l #	97
35) Benzene	5.81	78	195054	1.828	ug/l	99
36) 1,2-Dichloroethane	5.83	62	59803	1.586	ug/l	99
37) Trichloroethene	6.57	130	50452	1.799	ug/l	97
38) 1,2-Dichloropropane	6.82	63	52709	1.808	ug/l	95
39) Methacrylonitrile	5.02	41	19699	1.909	ug/l	96
40) Methyl acrylate	4.89	55	27992	1.919	ug/l	99
41) Tetrahydrofuran	5.11	42	19343	3.761	ug/l	98
42) 1-Chlorobutane	5.49	56	101675	1.881	ug/l	99

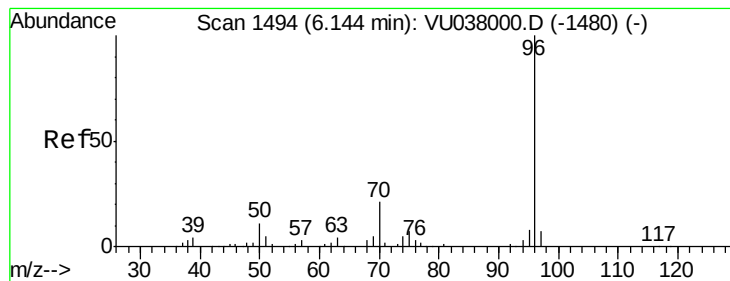
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050420\
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Instrument :
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Quant Time: May 05 01:40:06 2020
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	24751	1.680	ug/l	98
44) Bromodichloromethane	7.13	83	61253	1.604	ug/l	99
45) 4-Methyl-2-Pentanone	7.82	43	162636	8.210	ug/l	99
46) t-1,4-Dichloro-2-butene	10.84	75	56737	10.492	ug/l #	39
47) Methyl methacrylate	6.99	69	49475	3.974	ug/l	99
48) Ethyl methacrylate	8.36	69	44398	1.809	ug/l	100
49) Toluene	7.99	92	122269	1.900	ug/l	98
50) t-1,3-Dichloropropene	8.23	75	62068	1.771	ug/l	97
51) cis-1,3-Dichloropropene	7.63	75	73498	1.818	ug/l	97
52) 1,1,2-Trichloroethane	8.42	97	34918	1.763	ug/l	100
53) 1,3-Dichloropropane	8.60	76	65863	1.855	ug/l	99
54) 2-Hexanone	8.71	43	115320	8.471	ug/l	99
55) Dibromochloromethane	8.83	129	37291	1.546	ug/l	100
56) 1,2-Dibromoethane	8.94	107	33220	1.789	ug/l	100
58) Tetrachloroethene	8.57	164	48282	1.833	ug/l	97
59) Chlorobenzene	9.47	112	132613	1.848	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.55	131	38786	1.521	ug/l	99
61) Pentachloroethane	11.44	117	29371	1.509	ug/l	100
62) Hexachloroethane	12.49	117	30474	1.474	ug/l	99
63) Ethyl Benzene	9.59	91	233235	1.904	ug/l	100
64) m/p-Xylenes	9.71	106	179846	3.879	ug/l	99
65) o-Xylene	10.12	106	87848	1.958	ug/l	99
66) Styrene	10.13	104	140865	1.922	ug/l	99
67) Bromoform	10.31	173	19291	1.524	ug/l	96
69) Isopropylbenzene	10.50	105	224186	1.840	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.80	83	44724	1.722	ug/l	99
71) 1,2,3-Trichloropropane	10.84	75	56737	2.770	ug/l #	50
72) Bromobenzene	10.80	156	51227	1.738	ug/l	98
73) n-propylbenzene	10.92	120	61180	1.890	ug/l	94
74) 2-Chlorotoluene	11.00	126	52648	1.818	ug/l	99
75) 1,3,5-Trimethylbenzene	11.10	105	186426	1.786	ug/l	100
76) 4-Chlorotoluene	11.11	126	54010	1.843	ug/l	98
77) tert-Butylbenzene	11.43	119	180711	1.775	ug/l	100
78) 1,2,4-Trimethylbenzene	11.48	105	194117	1.846	ug/l	99
79) sec-Butylbenzene	11.66	105	258252	1.851	ug/l	99
80) Nitrobenzene	13.23	77	5570	9.408	ug/l	97
81) p-Isopropyltoluene	11.81	119	206945	1.885	ug/l	100
82) 1,3-Dichlorobenzene	11.76	146	108351	1.861	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	107506	1.824	ug/l	99
84) n-Butylbenzene	12.22	91	206561	1.966	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	98636	1.755	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	6412	1.445	ug/l	96
87) 1,2,4-Trichlorobenzene	13.87	180	70020	2.368	ug/l	99
88) Hexachlorobutadiene	14.05	225	31632	1.791	ug/l	99
89) Naphthalene	14.12	128	132865	2.592	ug/l	100
90) 1,2,3-Trichlorobenzene	14.36	180	62586	2.198	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.14 min Scan# 1494

Delta R.T. 0.00 min

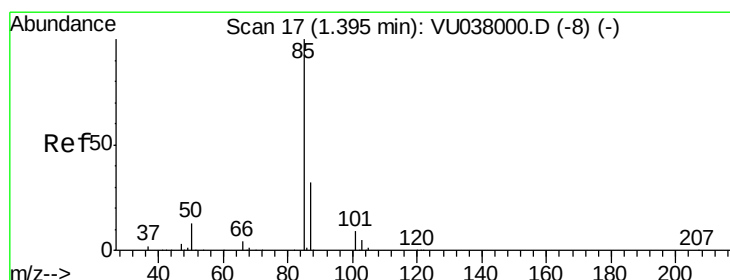
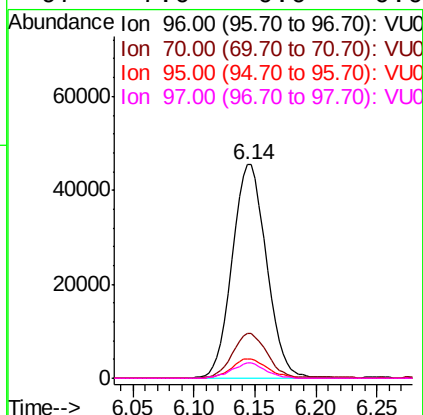
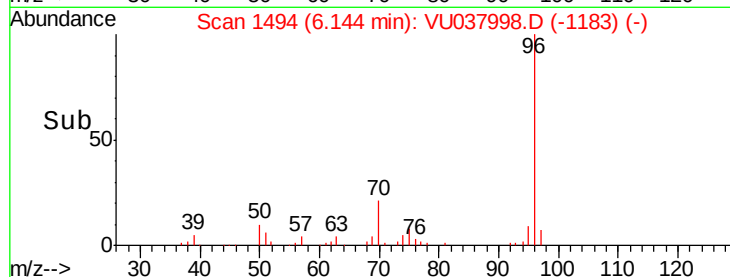
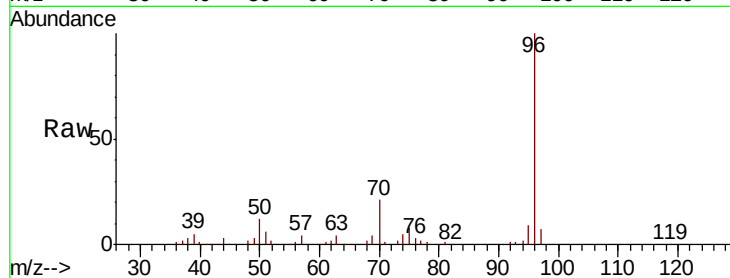
Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 88748

Ion	Ratio	Lower	Upper
96	100		
70	20.6	14.4	21.6
95	9.4	7.1	10.7
97	7.0	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 1.396 ug/l

RT: 1.40 min Scan# 17

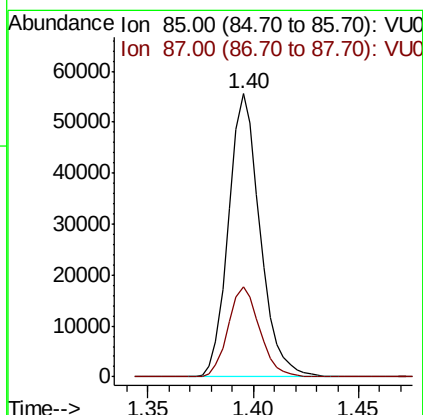
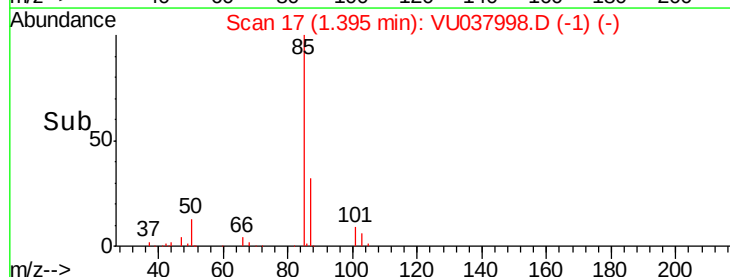
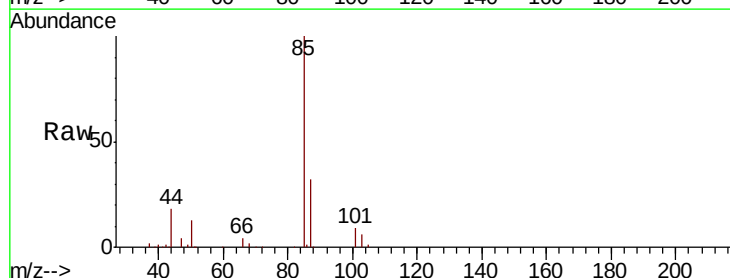
Delta R.T. 0.00 min

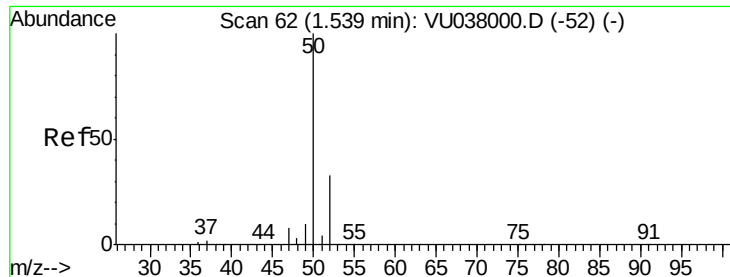
Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion: 85 Resp: 57536

Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.2	48.5





#3

Chloromethane

Concen: 1.603 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

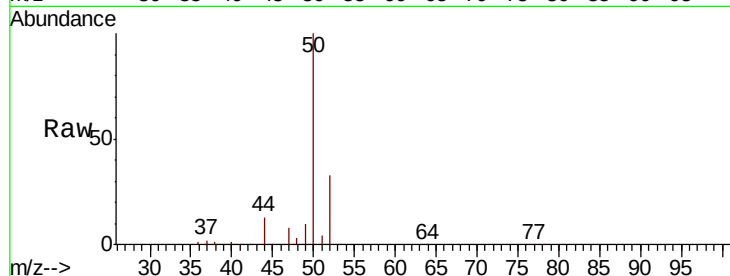
ClientSampleId :

Tot Ion: 50 Resp: 66618

Ion Ratio Lower Upper

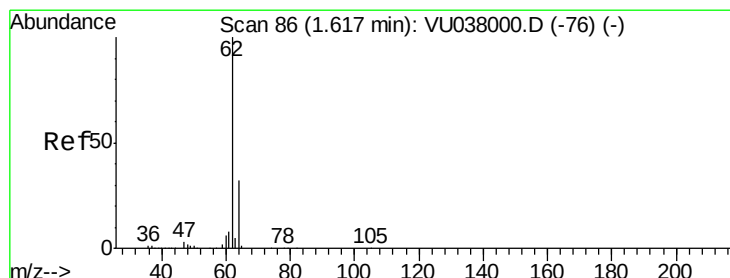
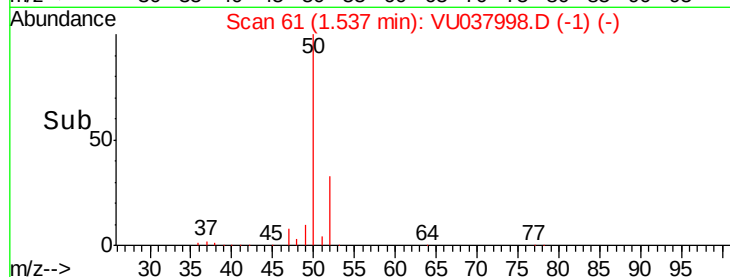
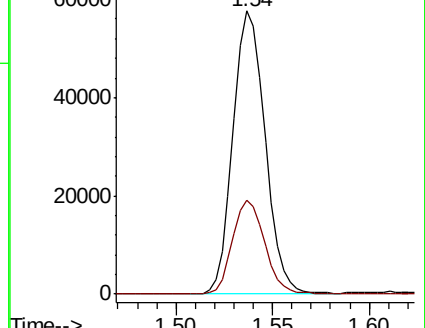
50 100

52 33.3 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU037998.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037998.D (-1) (-)



#4

Vinyl Chloride

Concen: 1.784 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037998.D

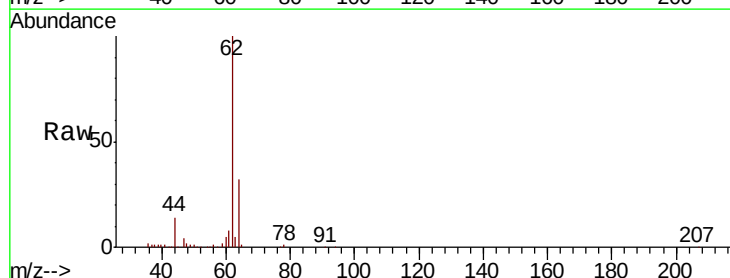
Acq: 04 May 2020 11:44

Tgt Ion: 62 Resp: 66658

Ion Ratio Lower Upper

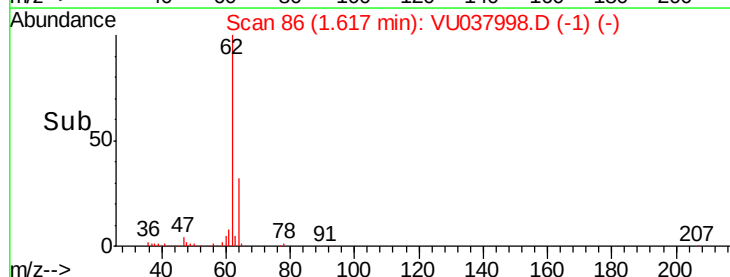
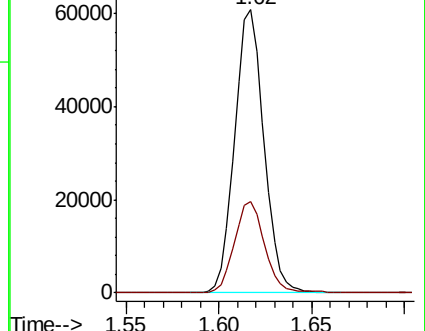
62 100

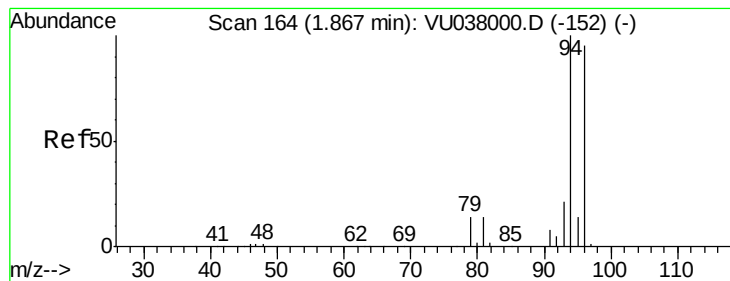
64 32.1 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU037998.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037998.D (-1) (-)





#5

Bromomethane

Concen: 2.923 ug/l

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

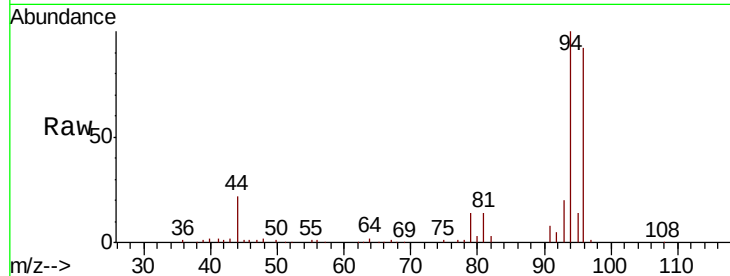
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 41175

Ion Ratio Lower Upper

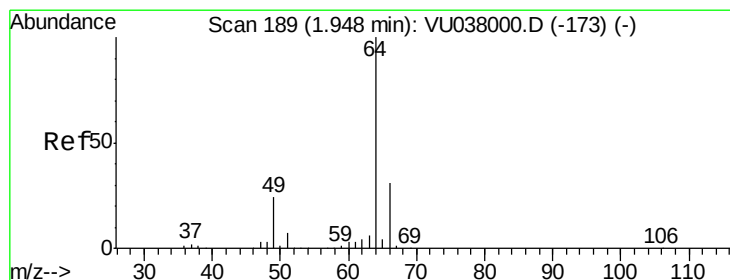
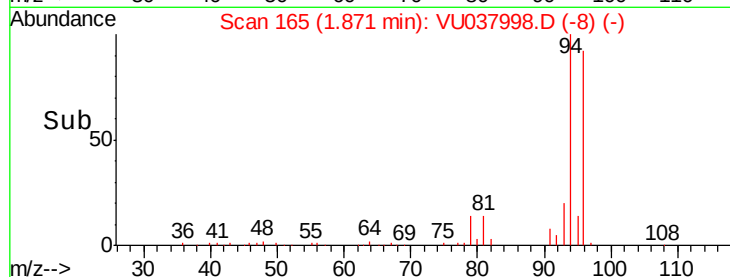
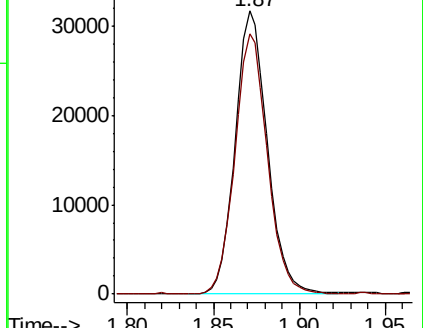
94 100

96 92.2 76.1 114.1



Abundance Ion 94.00 (93.70 to 94.70): VU037998.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU037998.D (-152) (-)



#6

Chloroethane

Concen: 2.155 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037998.D

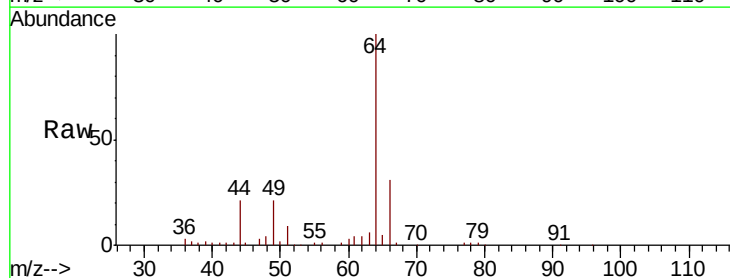
Acq: 04 May 2020 11:44

Tgt Ion: 64 Resp: 40326

Ion Ratio Lower Upper

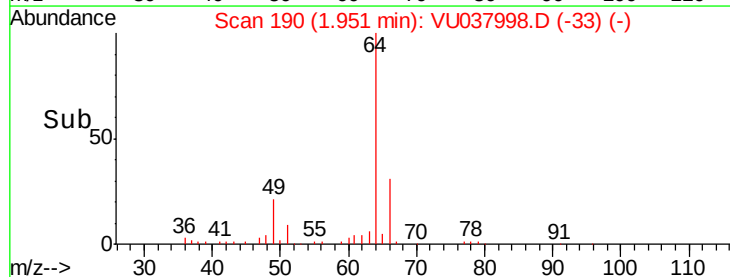
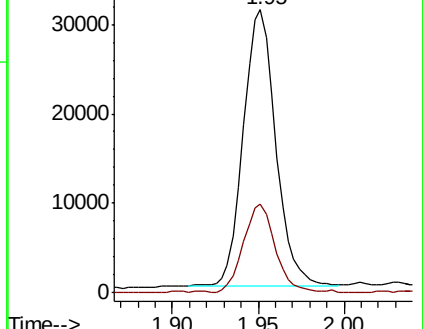
64 100

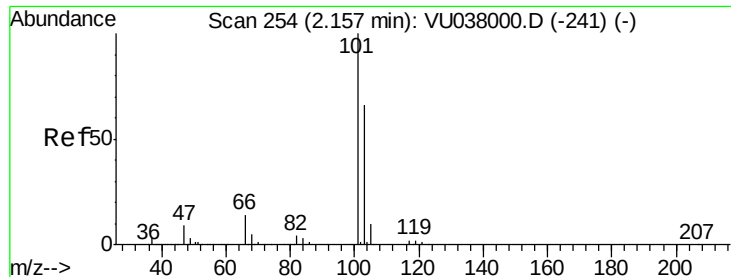
66 31.9 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU037998.D (-173) (-)

Ion 66.00 (65.70 to 66.70): VU037998.D (-173) (-)



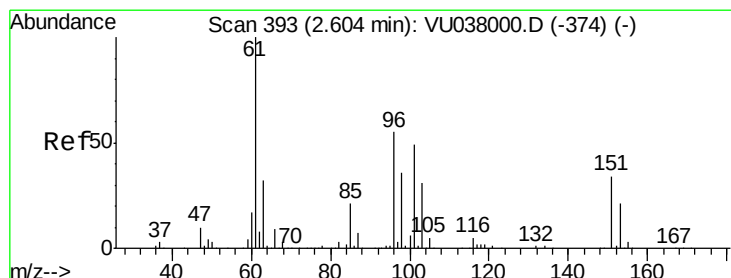
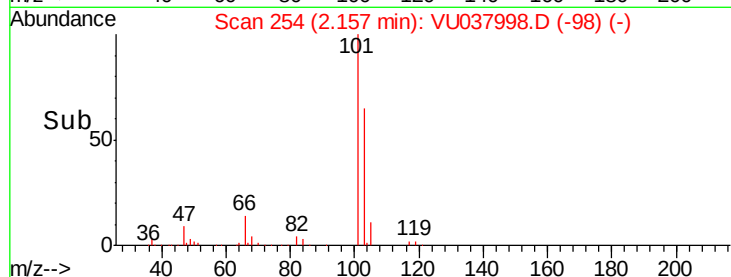
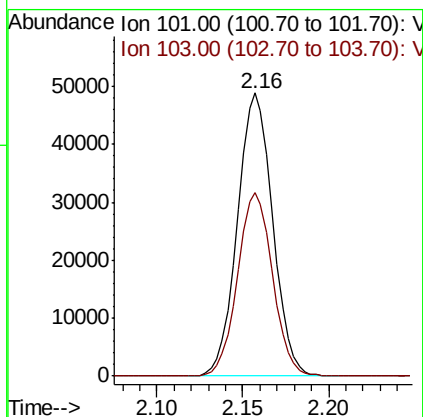
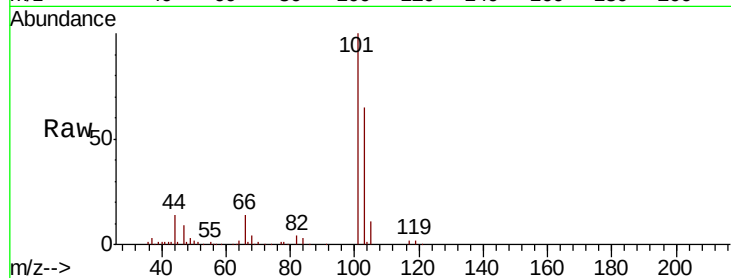


#7

Trichlorofluoromethane
Concen: 1.559 ug/l
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampled :

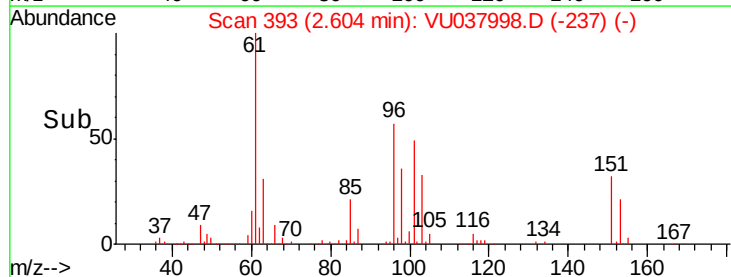
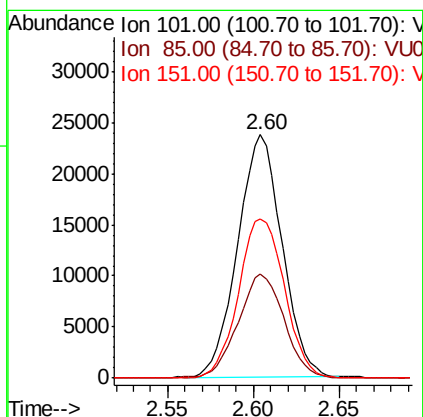
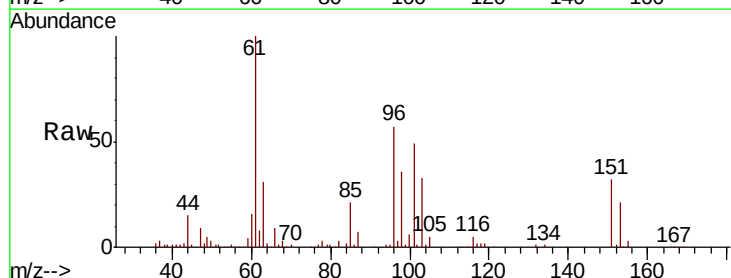
Tot Ion:101 Resp: 69696
Ion Ratio Lower Upper
101 100
103 65.0 52.6 78.8

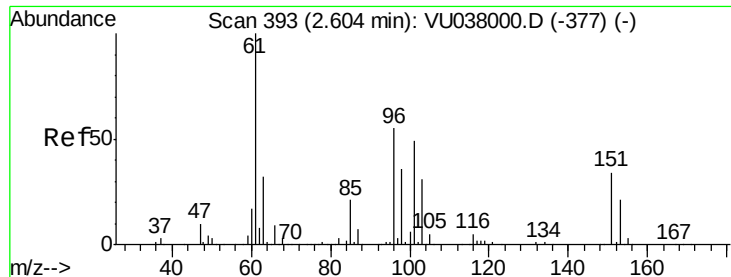


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.958 ug/l
RT: 2.60 min Scan# 393
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion:101 Resp: 42756
Ion Ratio Lower Upper
101 100
85 44.3 35.5 53.3
151 67.8 55.2 82.8





#9

1,1-Dichloroethene

Concen: 2.102 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

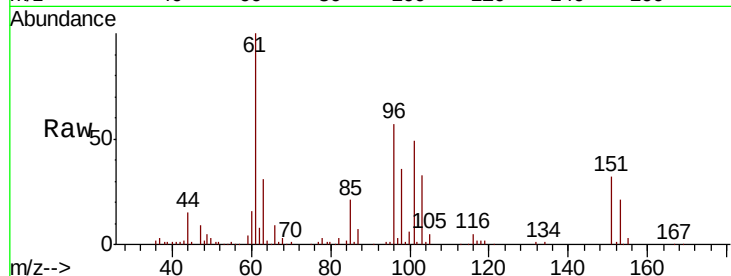
Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 43967

Ion	Ratio	Lower	Upper
96	100		
61	175.7	0.0	543.0
98	62.6	0.0	129.4

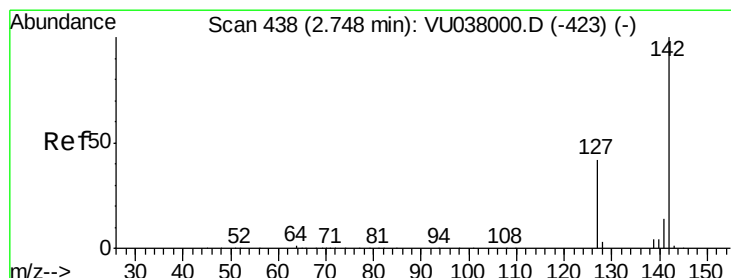
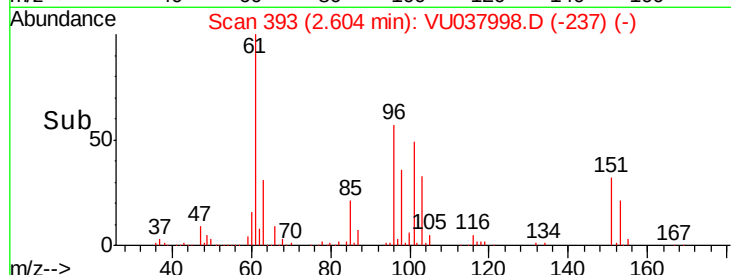
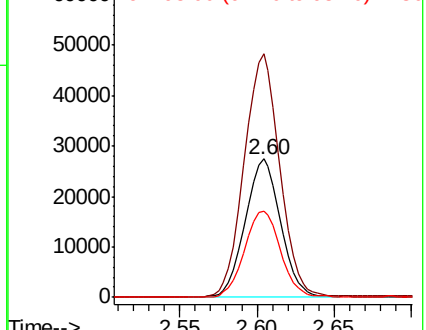


Abundance

Ion 96.00 (95.70 to 96.70): VU037998.D (-237) (-)

Ion 61.00 (60.70 to 61.70): VU037998.D (-237) (-)

Ion 98.00 (97.70 to 98.70): VU037998.D (-237) (-)



#10

Iodomethane

Concen: 2.044 ug/l

RT: 2.75 min Scan# 438

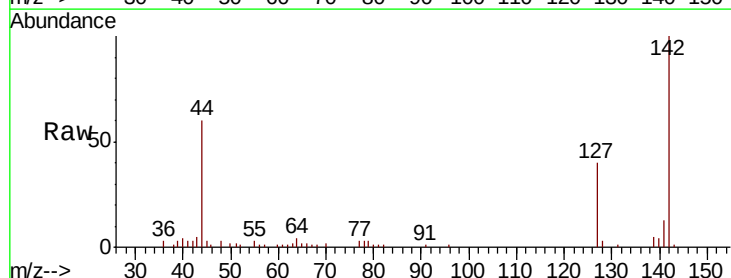
Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Tgt Ion: 142 Resp: 21341

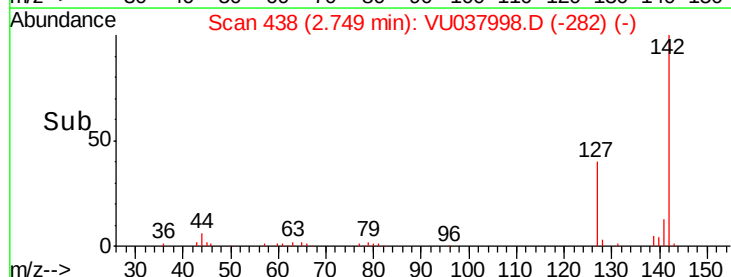
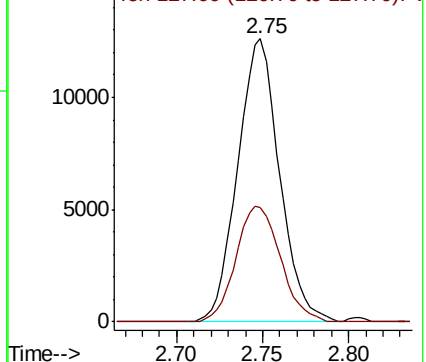
Ion	Ratio	Lower	Upper
142	100		
127	43.3	33.5	50.3

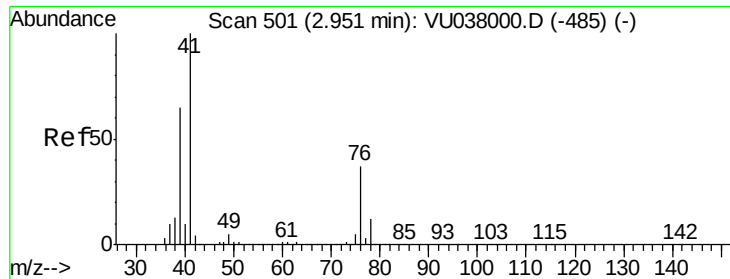


Abundance

Ion 142.00 (141.70 to 142.70): VU037998.D (-282) (-)

Ion 127.00 (126.70 to 127.70): VU037998.D (-282) (-)

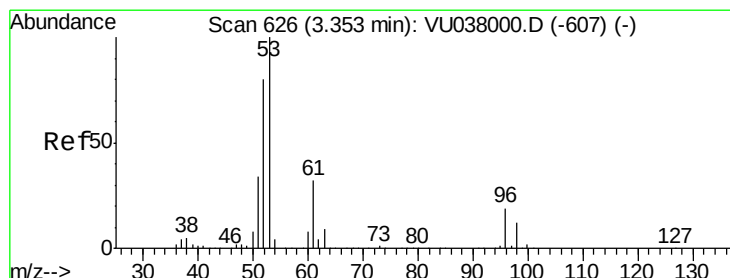
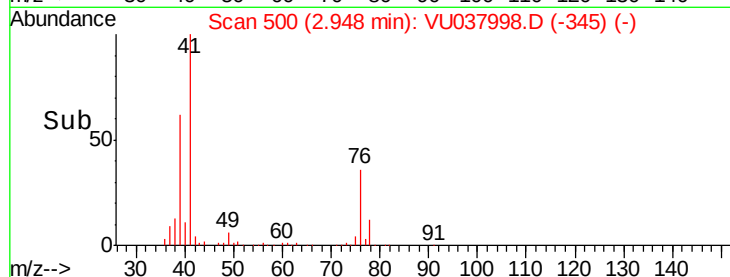
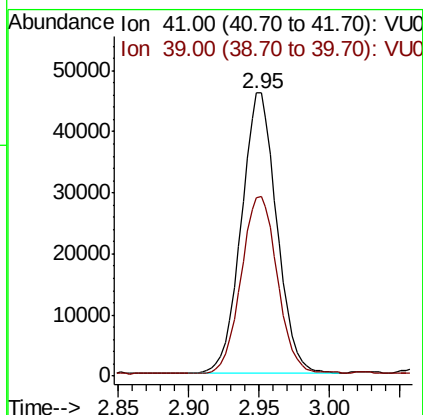
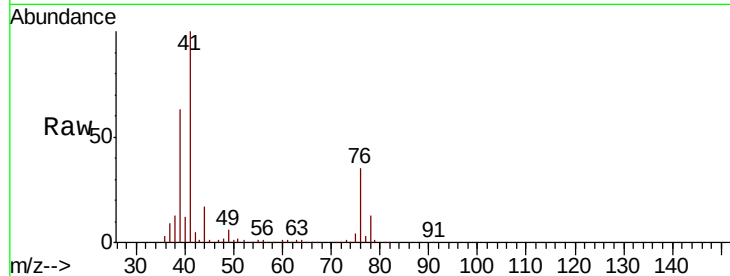




#11
 Allvl Chloride
 Concen: 1.990 ug/l
 RT: 2.95 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

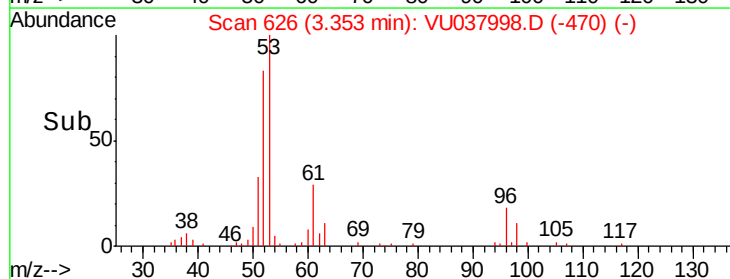
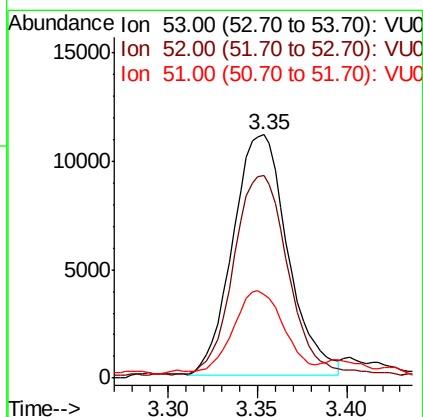
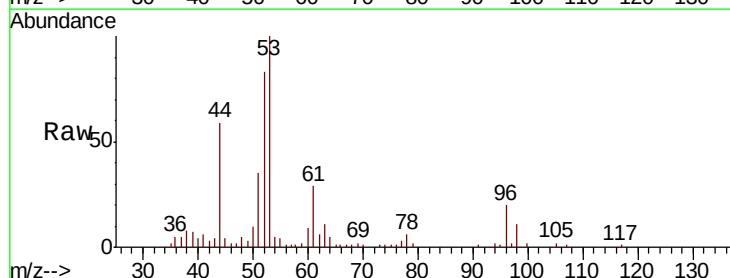
Instrument :
 MSVOA_U
 ClientSampled :

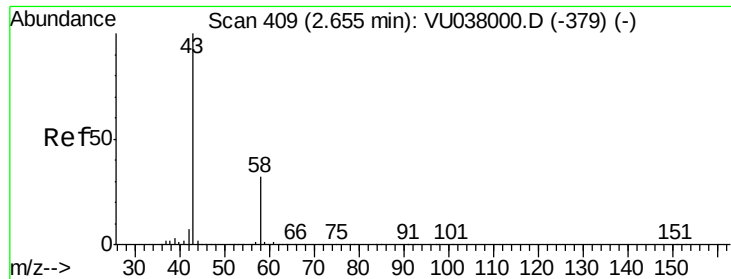
Tot Ion: 41 Resp: 80627
 Ion Ratio Lower Upper
 41 100
 39 63.7 51.7 77.5



#12
 Acrylonitrile
 Concen: 4.648 ug/l
 RT: 3.35 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion: 53 Resp: 23761
 Ion Ratio Lower Upper
 53 100
 52 82.6 63.3 94.9
 51 29.9 30.2 45.2#





#13

Acetone

Concen: 8.226 ug/l

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

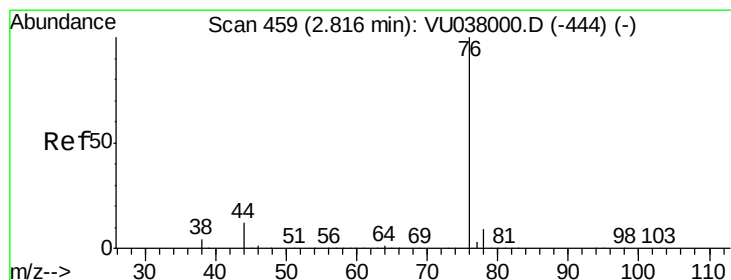
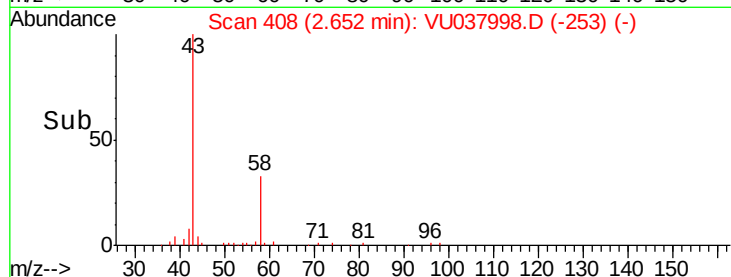
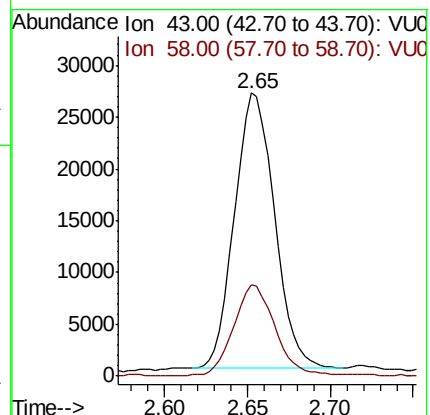
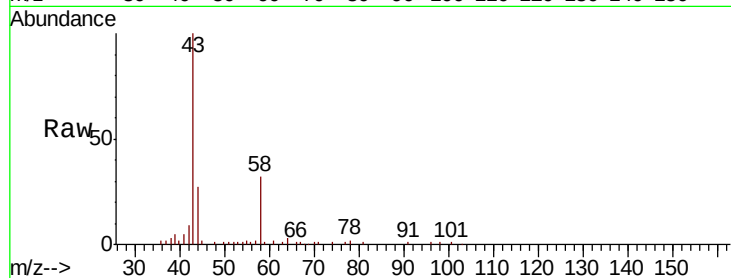
ClientSampleId :

Tot Ion: 43 Resp: 44710

Ion Ratio Lower Upper

43 100

58 32.6 25.2 37.8



#14

Carbon Disulfide

Concen: 2.258 ug/l

RT: 2.82 min Scan# 459

Delta R.T. 0.00 min

Lab File: VU037998.D

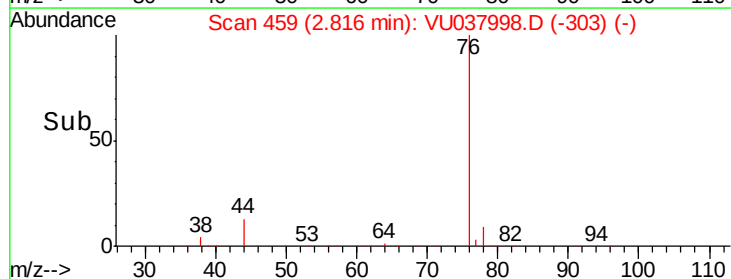
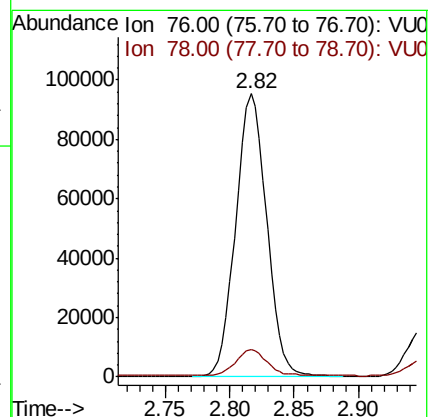
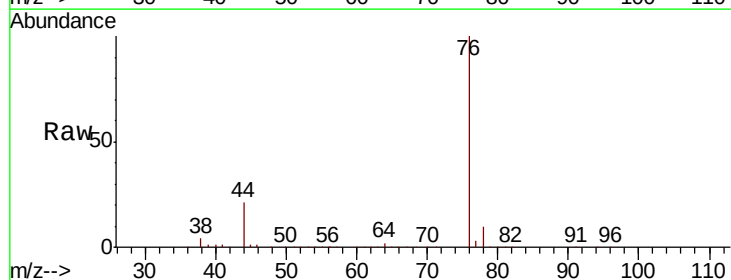
Acq: 04 May 2020 11:44

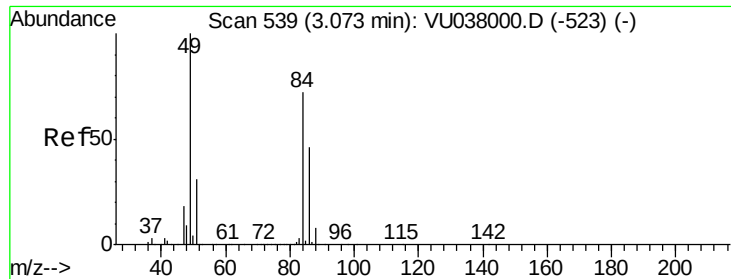
Tgt Ion: 76 Resp: 159988

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

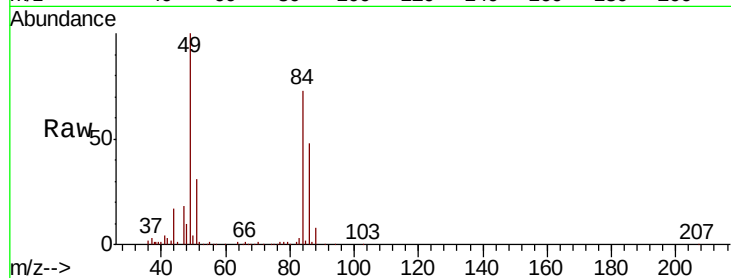




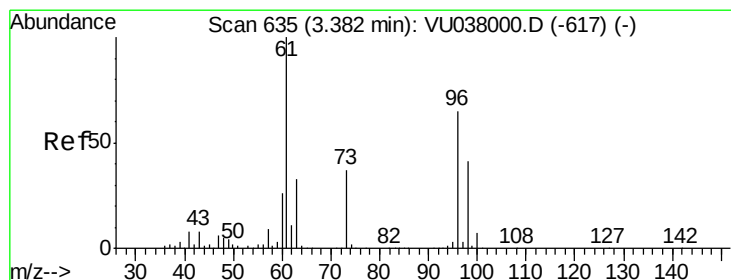
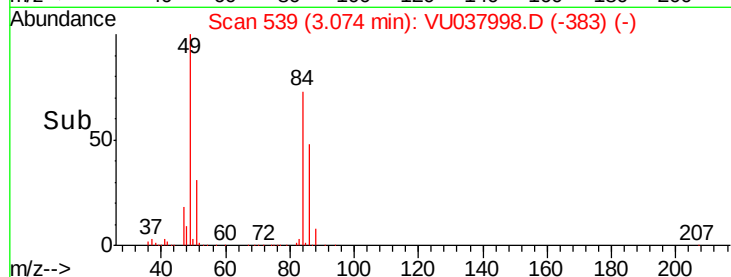
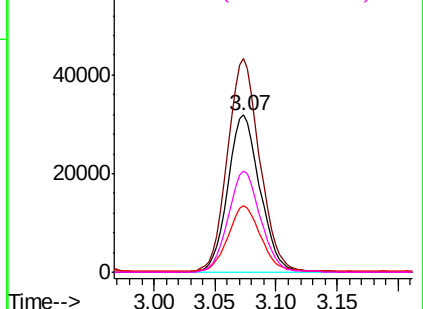
#15
Methylene Chloride
Concen: 2.217 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	84	Resp:	58772
Ion	Ratio	Lower	Upper
84	100		
49	135.7	110.6	166.0
51	41.8	0.0	85.4
86	64.7	50.9	76.3

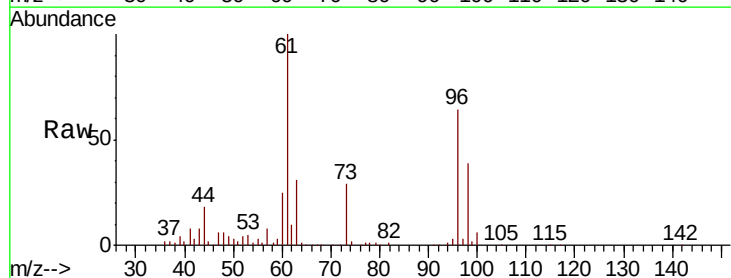


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

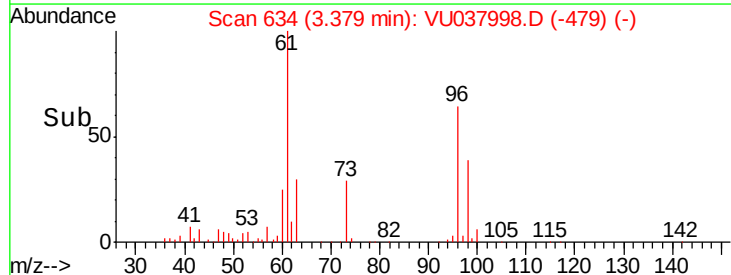
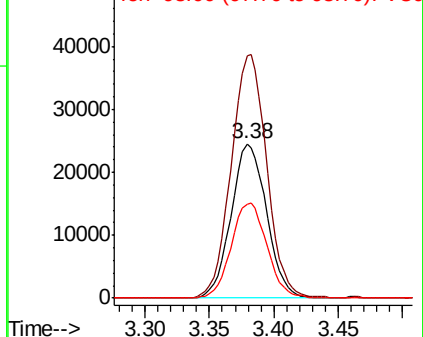


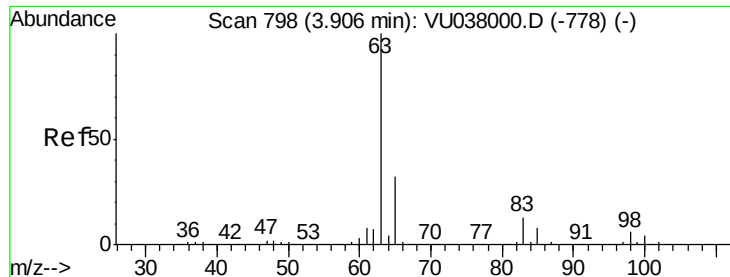
#16
trans-1,2-Dichloroethene
Concen: 2.096 ug/l
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion:	96	Resp:	46919
Ion	Ratio	Lower	Upper
96	100		
61	156.7	122.4	183.6
98	60.9	50.1	75.1



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

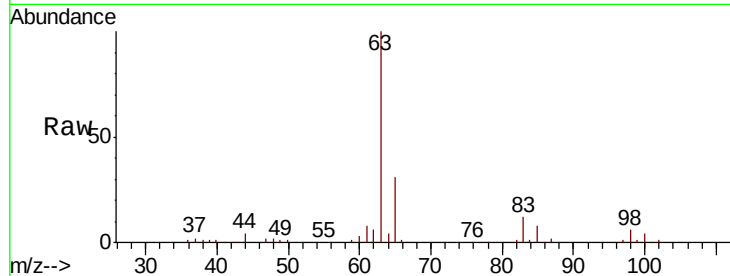




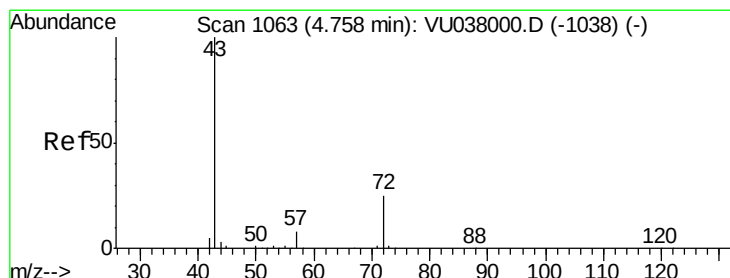
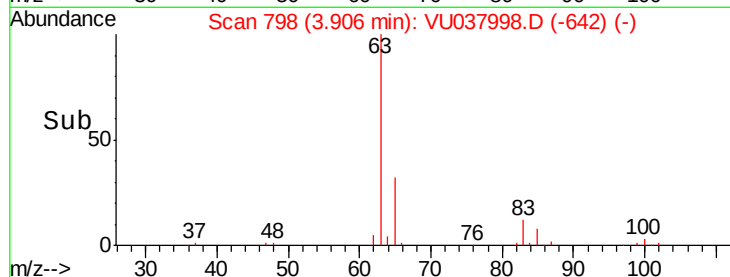
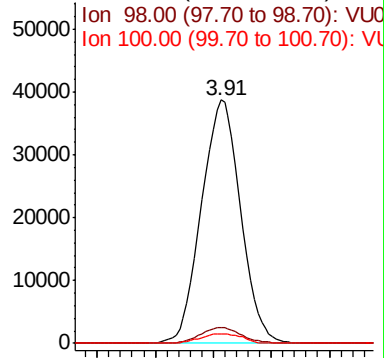
#17
 1,1-Dichloroethane
 Concen: 1.811 ug/l
 RT: 3.91 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	63	Resp	90954
Ion Ratio	100		
Lower	3.1		
Upper	9.4		
63	100		
98	6.4		
100	4.0		

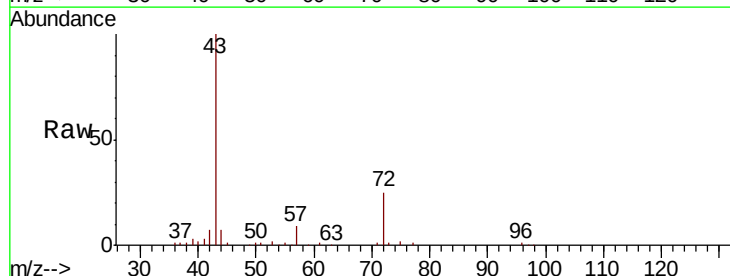


Abundance Ion 63.00 (62.70 to 63.70): VU037998.D (-642) (-)

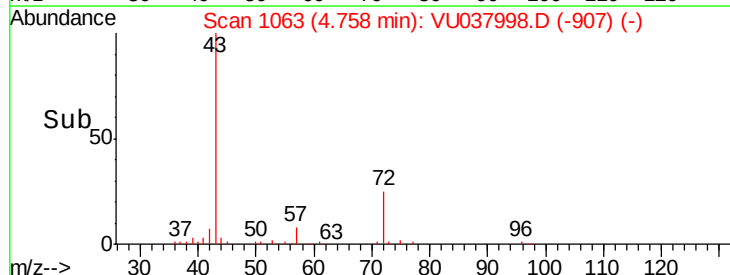
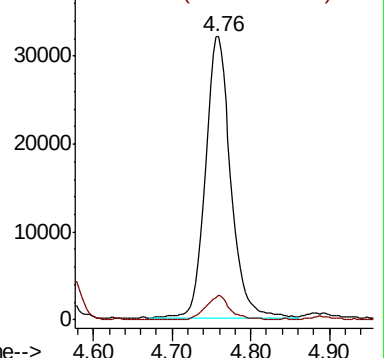


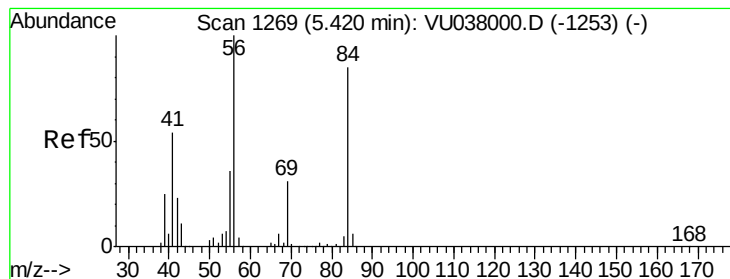
#18
 2-Butanone
 Concen: 8.865 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	43	Resp	72674
Ion Ratio	100		
Lower	0.0		
Upper	16.6		
43	100		
57	8.6		



Abundance Ion 43.00 (42.70 to 43.70): VU037998.D (-907) (-)





#19

Cyclohexane

Concen: 1.819 ug/l

RT: 5.42 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

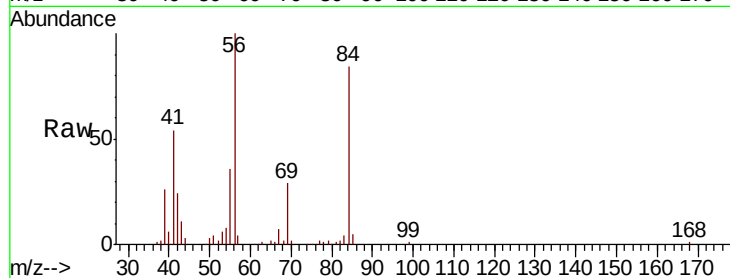
Tot Ion: 56 Resp: 78778

Ion Ratio Lower Upper

56 100

69 32.6 24.3 36.5

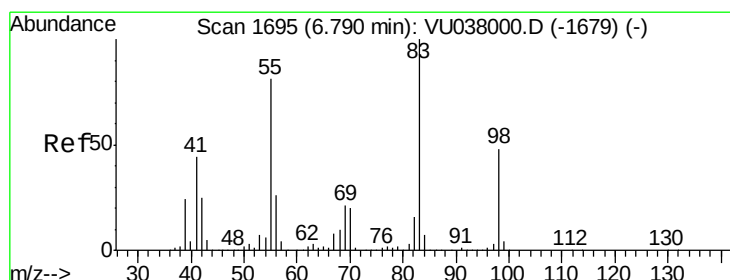
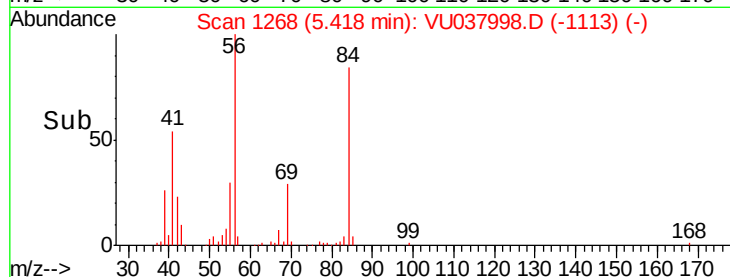
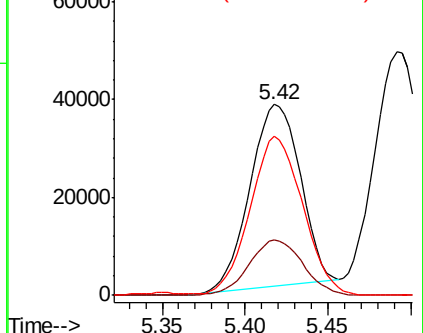
84 90.3 66.3 99.5



Abundance Ion 56.00 (55.70 to 56.70): VU037998.D (-1253) (-)

Ion 69.00 (68.70 to 69.70): VU037998.D (-1253) (-)

Ion 84.00 (83.70 to 84.70): VU037998.D (-1253) (-)



#20

Methylcyclohexane

Concen: 1.980 ug/l

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

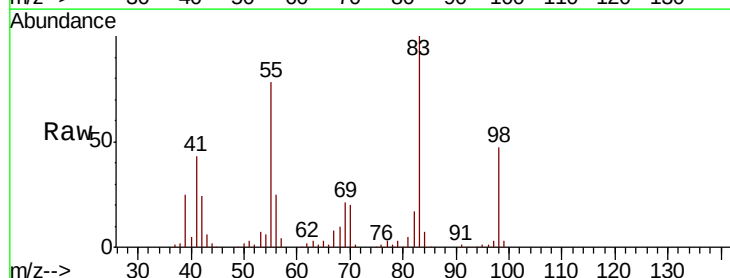
Tgt Ion: 83 Resp: 85022

Ion Ratio Lower Upper

83 100

55 78.7 61.5 92.3

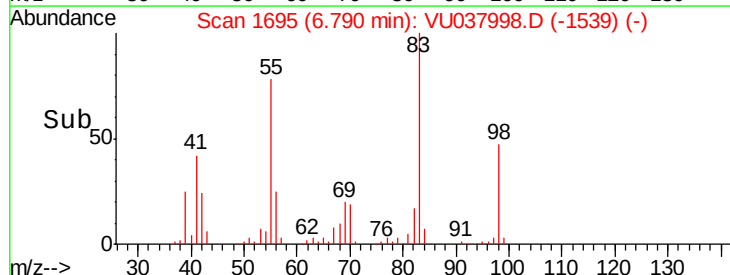
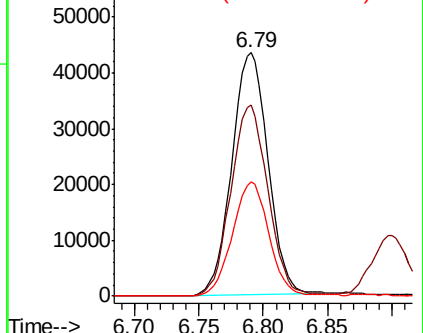
98 46.4 37.3 55.9

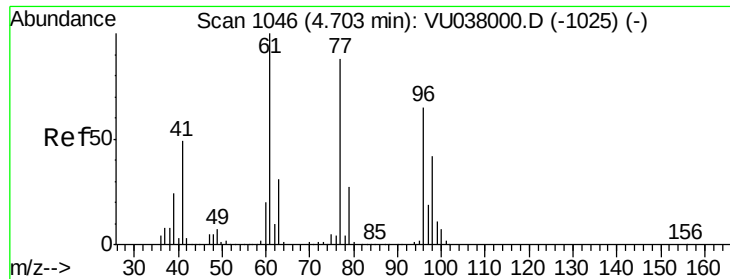


Abundance Ion 83.00 (82.70 to 83.70): VU037998.D (-1539) (-)

Ion 55.00 (54.70 to 55.70): VU037998.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VU037998.D (-1539) (-)

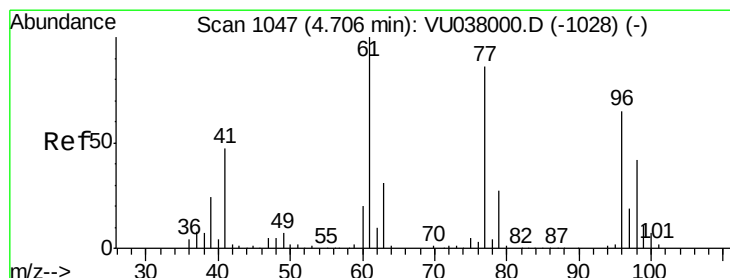
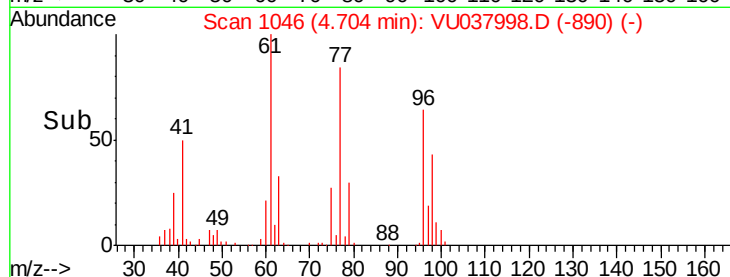
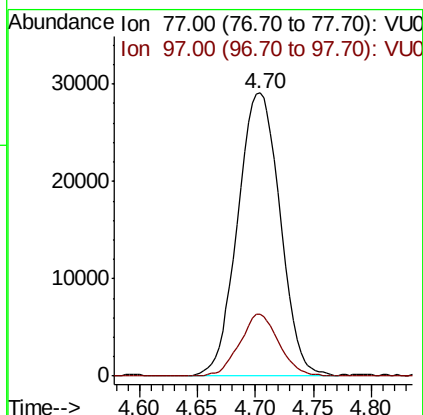
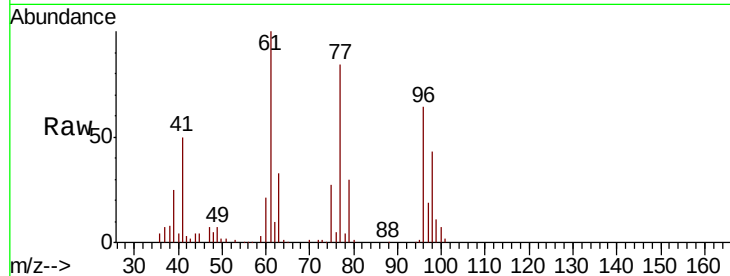




#21
 2,2-Dichloropropane
 Concen: 1.637 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

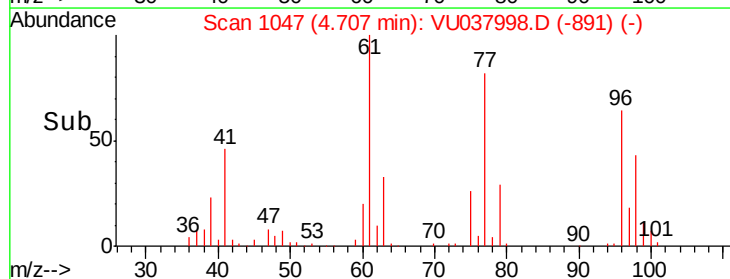
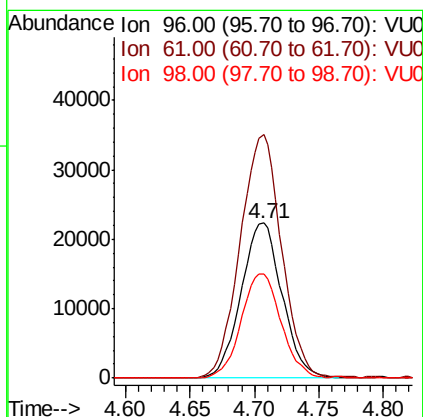
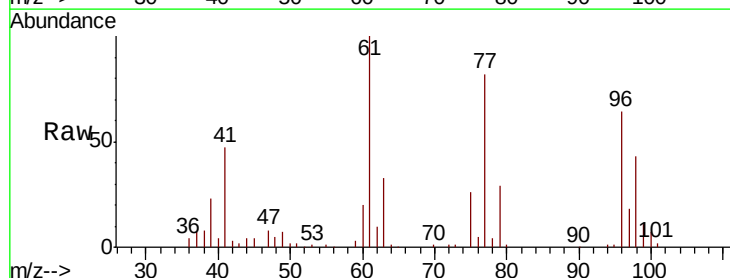
Instrument :
 MSVOA_U
 ClientSampled :

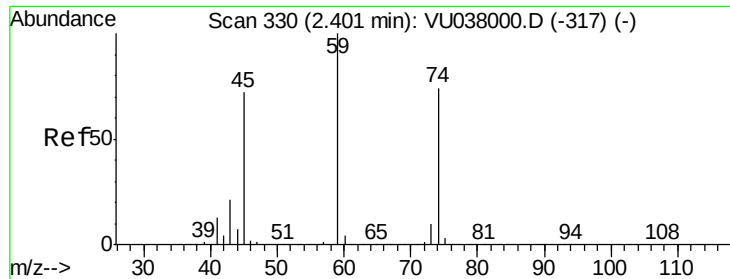
Tot Ion: 77 Resp: 74237
 Ion Ratio Lower Upper
 77 100
 97 20.3 17.4 26.2



#22
 cis-1,2-Dichloroethene
 Concen: 1.835 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion: 96 Resp: 49444
 Ion Ratio Lower Upper
 96 100
 61 158.8 0.0 389.3
 98 65.4 32.1 96.3

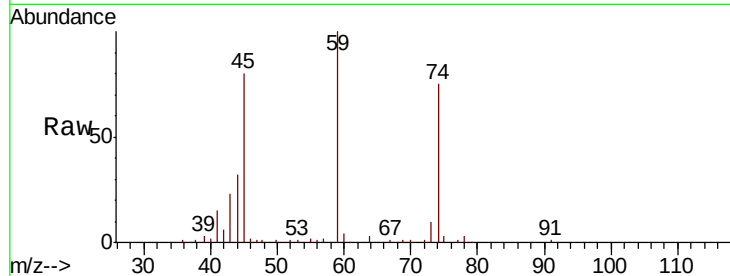




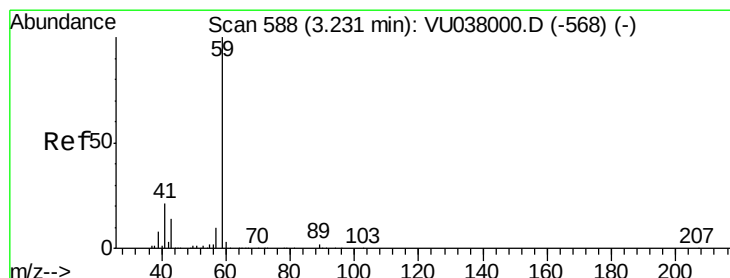
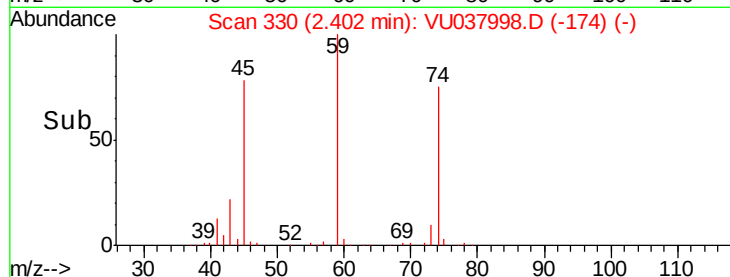
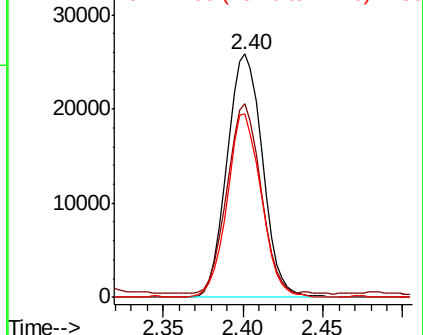
#23
Diethyl Ether
Concen: 2.176 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 59 Resp: 39026
Ion Ratio Lower Upper
59 100
45 74.9 59.8 89.6
74 72.5 58.2 87.4

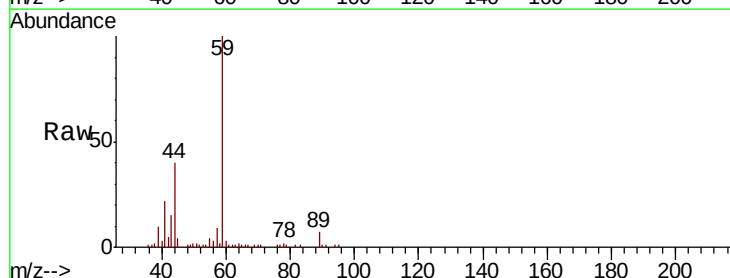


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

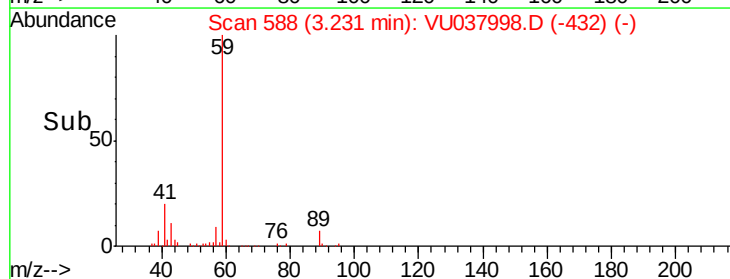
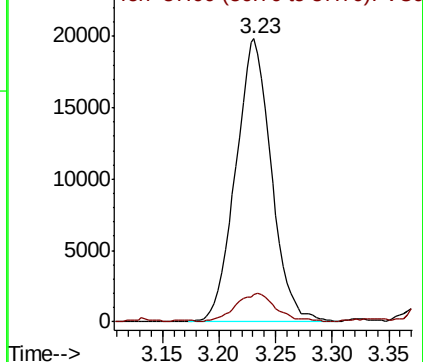


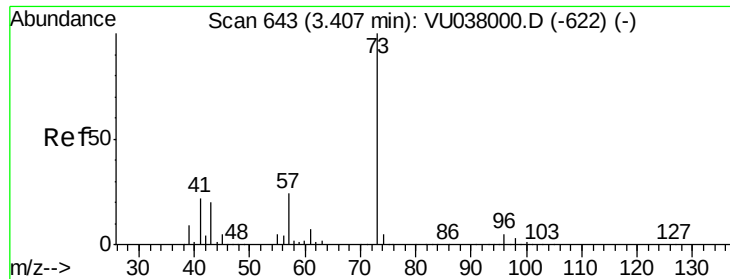
#24
tert-Butyl Alcohol
Concen: 22.646 ug/l
RT: 3.23 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion: 59 Resp: 43523
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



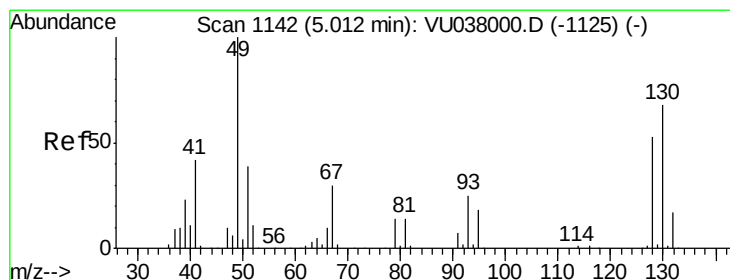
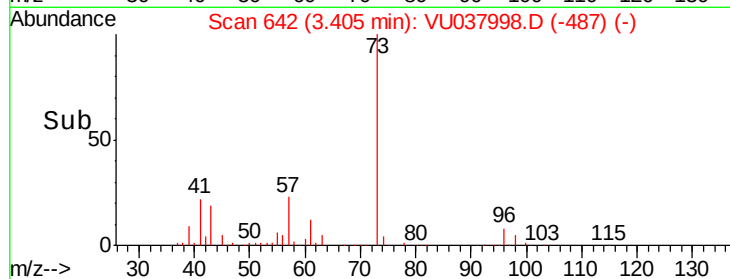
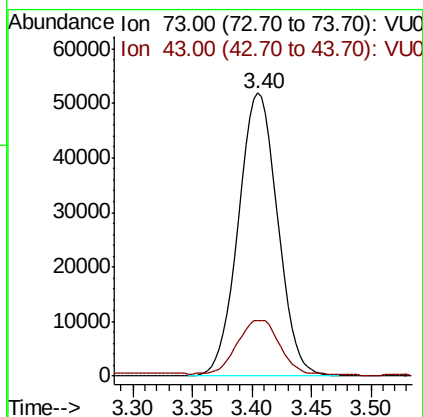
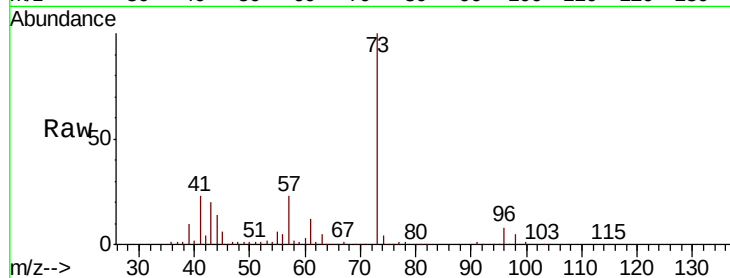


#25

Methyl tert-Butyl Ether
 Concen: 1.955 ug/l
 RT: 3.40 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampled :

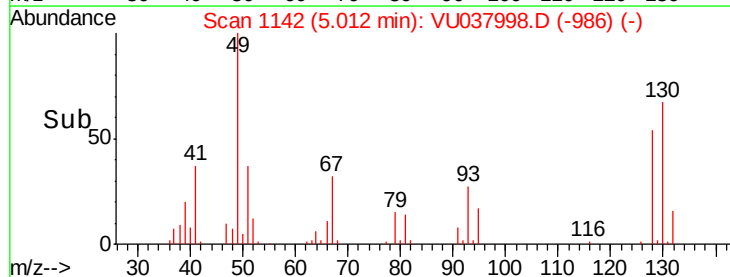
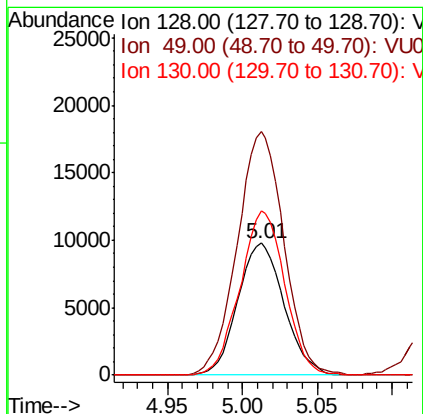
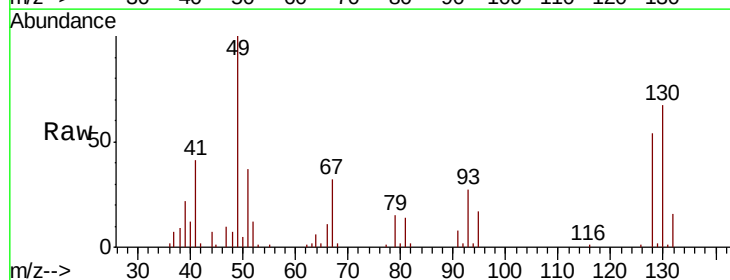
Tot Ion: 73 Resp: 118925
 Ion Ratio Lower Upper
 73 100
 43 21.0 16.2 24.2

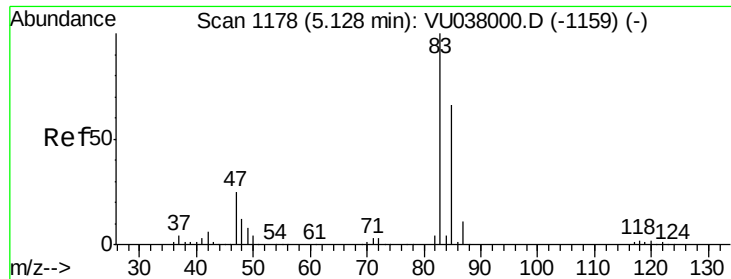


#26

Bromochloromethane
 Concen: 1.791 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion: 128 Resp: 20959
 Ion Ratio Lower Upper
 128 100
 49 186.4 0.0 376.0
 130 120.9 102.6 153.8

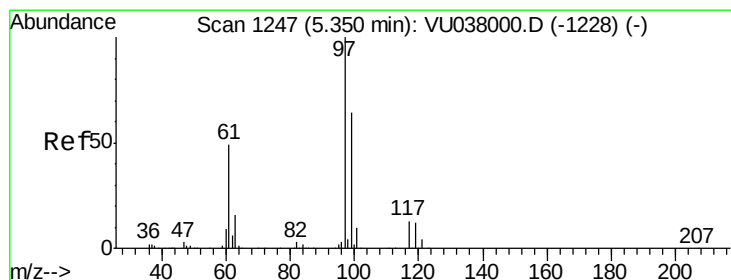
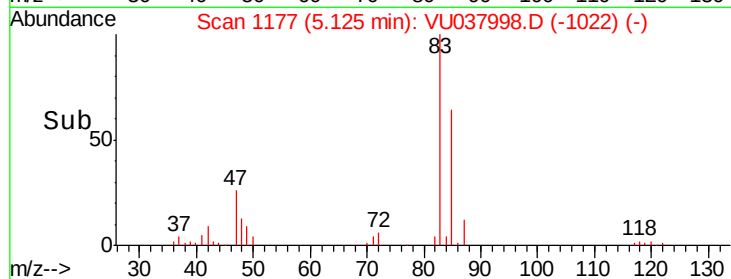
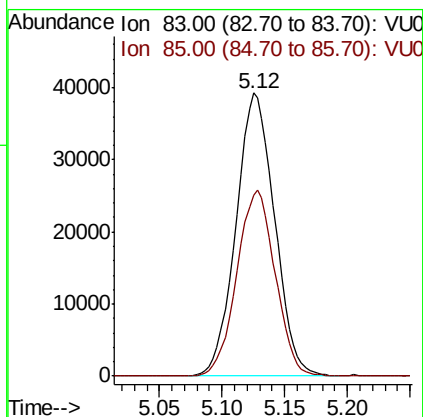
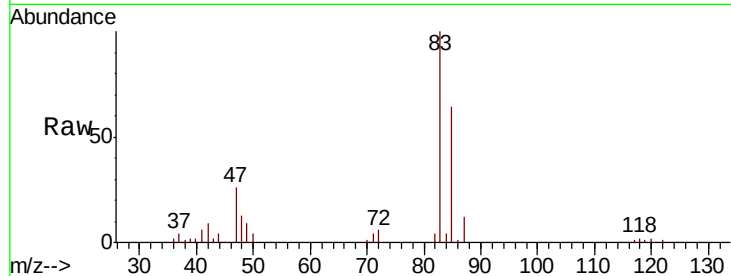




#27
Chloroform
Concen: 1.577 ug/l
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

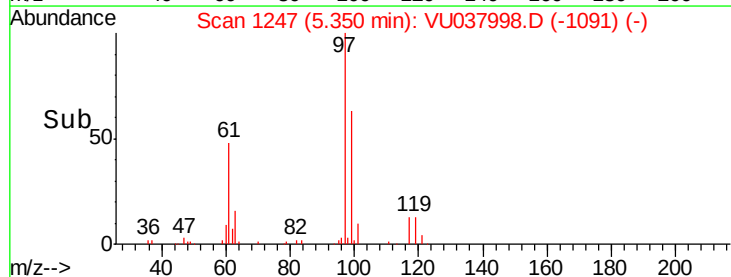
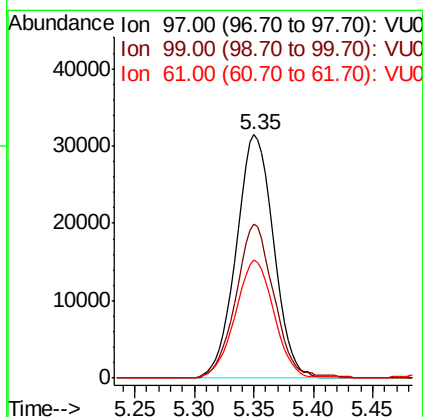
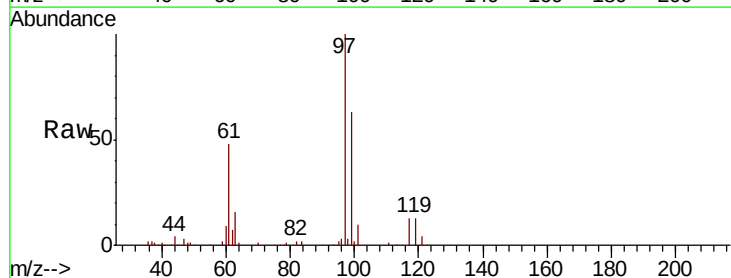
Instrument :
MSVOA_U
ClientSampleId :

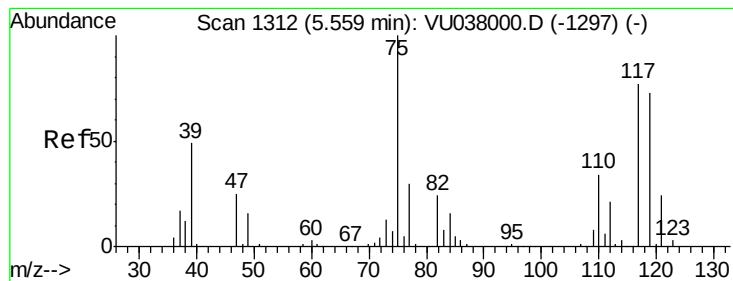
Tot Ion: 83 Resp: 83896
Ion Ratio Lower Upper
83 100
85 63.9 0.0 132.0



#28
1,1,1-Trichloroethane
Concen: 1.522 ug/l
RT: 5.35 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion: 97 Resp: 68579
Ion Ratio Lower Upper
97 100
99 64.6 31.9 95.9
61 50.1 24.1 72.4





#29

1,1-Dichloropropene

Concen: 1.863 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

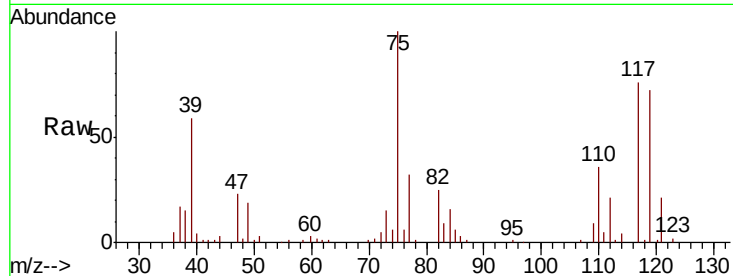
Tot Ion: 75 Resp: 70117

Ion Ratio Lower Upper

75 100

110 35.5 16.7 50.1

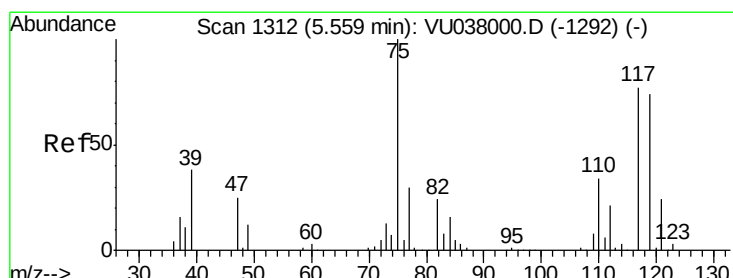
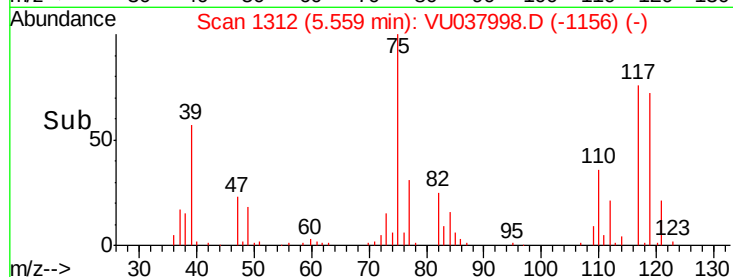
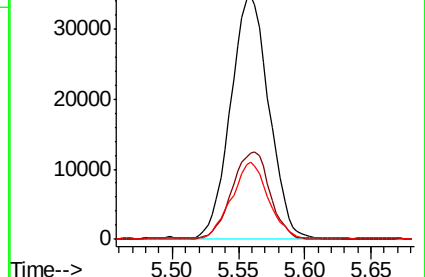
77 29.4 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VU038000.D (-1297) (-)

Ion 110.00 (109.70 to 110.70): VU038000.D (-1297) (-)

Ion 77.00 (76.70 to 77.70): VU038000.D (-1297) (-)



#30

Carbon Tetrachloride

Concen: 1.474 ug/l

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

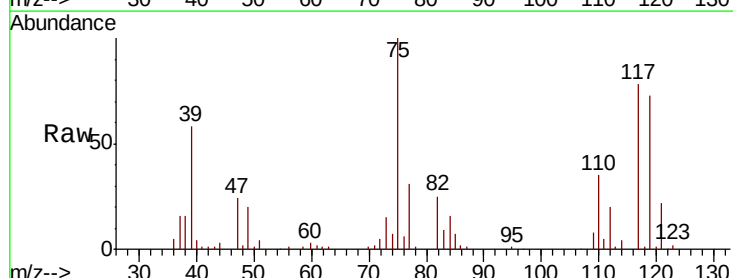
Tgt Ion: 117 Resp: 57525

Ion Ratio Lower Upper

117 100

119 93.7 76.3 114.5

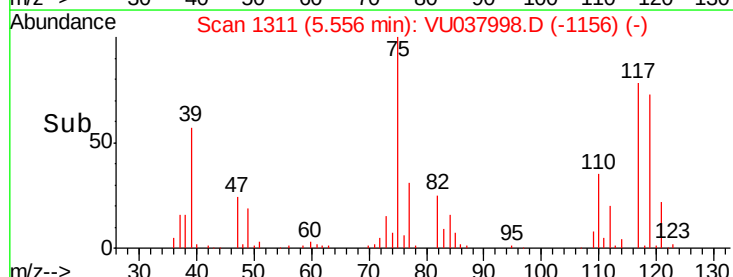
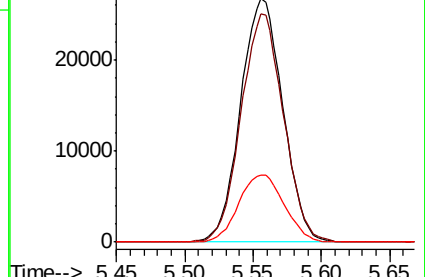
121 27.6 24.7 37.1

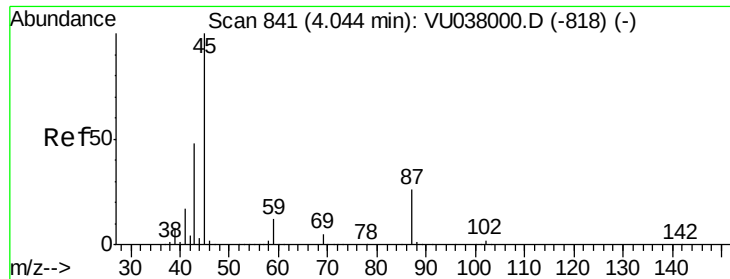


Abundance Ion 117.00 (116.70 to 117.70): VU038000.D (-1292) (-)

Ion 119.00 (118.70 to 119.70): VU038000.D (-1292) (-)

Ion 121.00 (120.70 to 121.70): VU038000.D (-1292) (-)





#31

Isopropyl Ether

Concen: 1.842 ug/l

RT: 4.04 min Scan# 841

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

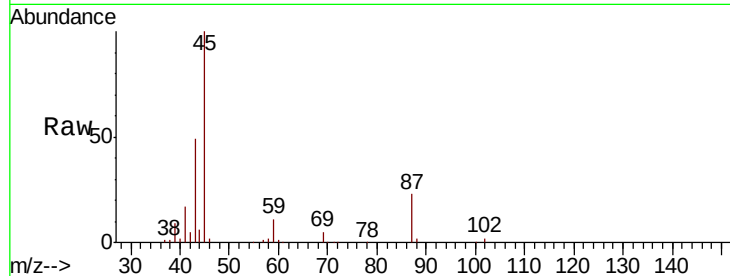
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 45 Resp: 148056

Ion Ratio Lower Upper

45 100

43 49.2 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU037998.D (-843) (-)

Ion 43.00 (42.70 to 43.70): VU037998.D (-843) (-)

4.04

60000

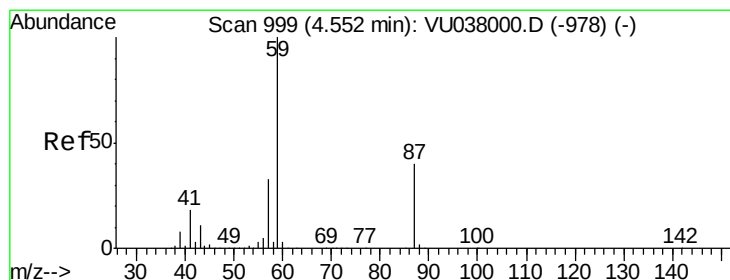
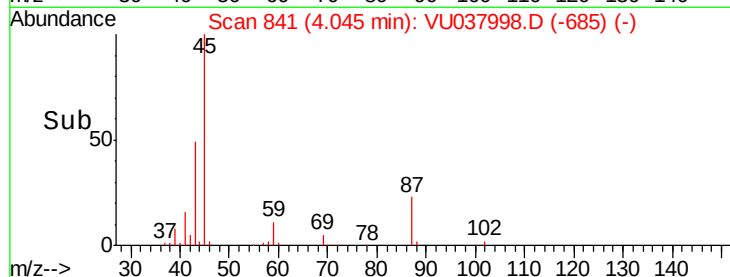
40000

20000

0

4.00 4.10

Time-->



#32

Ethyl-t-butyl ether

Concen: 1.770 ug/l

RT: 4.55 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU037998.D

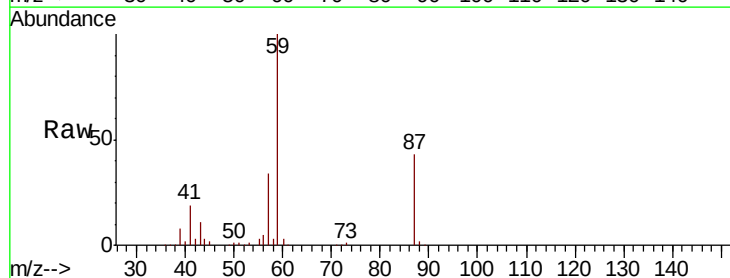
Acq: 04 May 2020 11:44

Tgt Ion: 59 Resp: 133277

Ion Ratio Lower Upper

59 100

87 40.7 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU037998.D (-843) (-)

Ion 87.00 (86.70 to 87.70): VU037998.D (-843) (-)

4.55

60000

50000

40000

30000

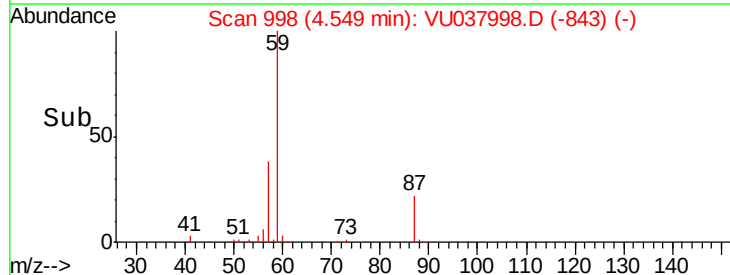
20000

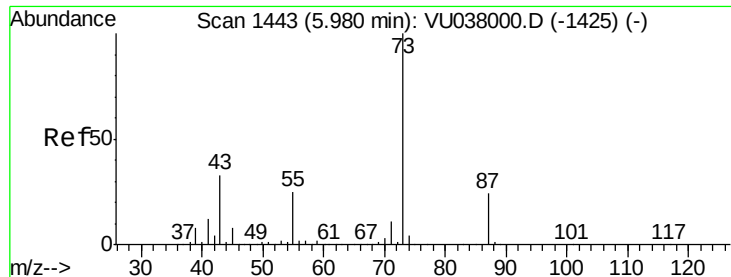
10000

0

4.50 4.60

Time-->

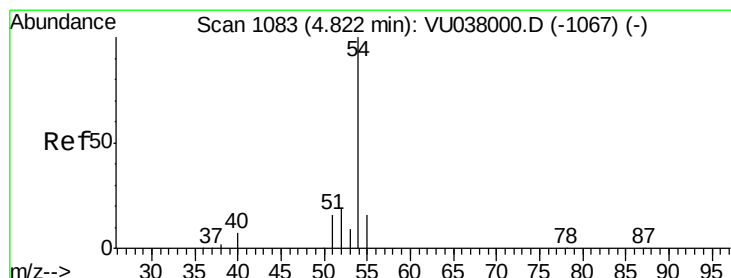
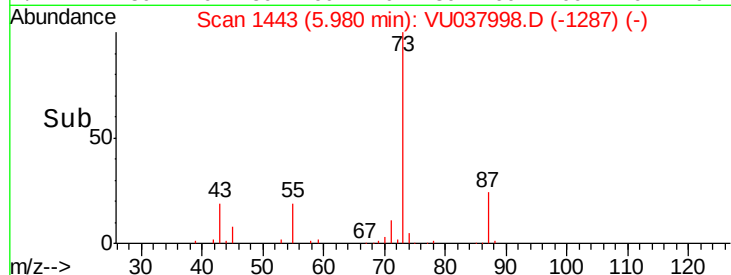
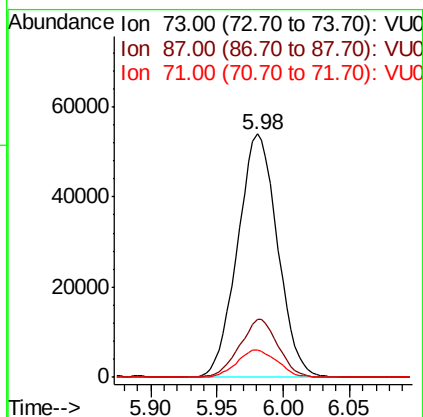
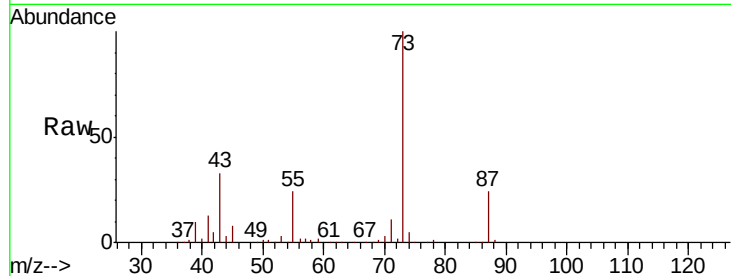




#33
Tert-Butyl methyl ether
Concen: 1.751 ug/l
RT: 5.98 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

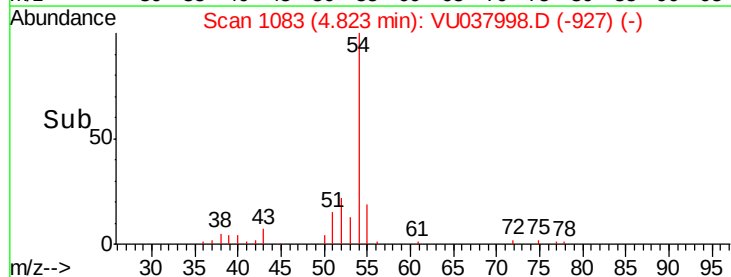
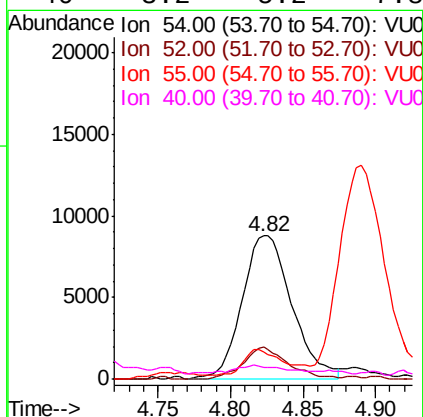
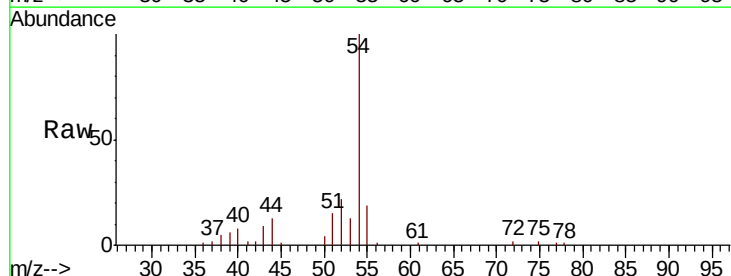
Instrument :
MSVOA_U
ClientSampleId :

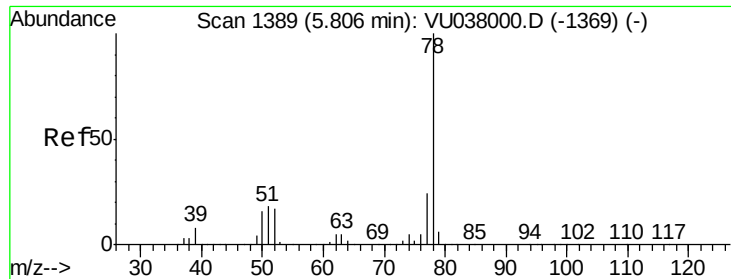
Tot Ion: 73 Resp: 112916
Ion Ratio Lower Upper
73 100
87 22.9 18.9 28.3
71 11.4 9.1 13.7



#34
Propionitrile
Concen: 9.702 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion: 54 Resp: 20957
Ion Ratio Lower Upper
54 100
52 20.2 15.8 23.8
55 15.6 13.2 19.8
40 3.2 5.2 7.8#





#35

Benzene

Concen: 1.828 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

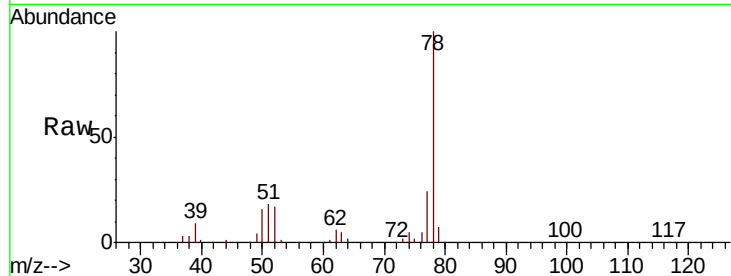
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 195054

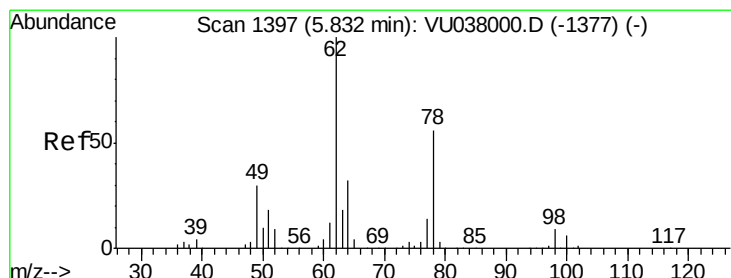
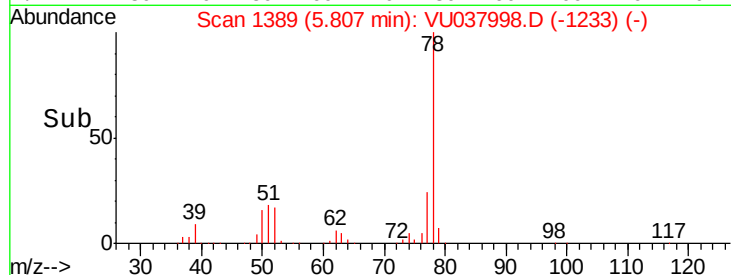
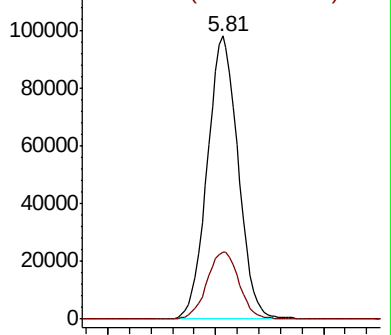
Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU037998.D (-1233) (-)



#36

1,2-Dichloroethane

Concen: 1.586 ug/l

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU037998.D

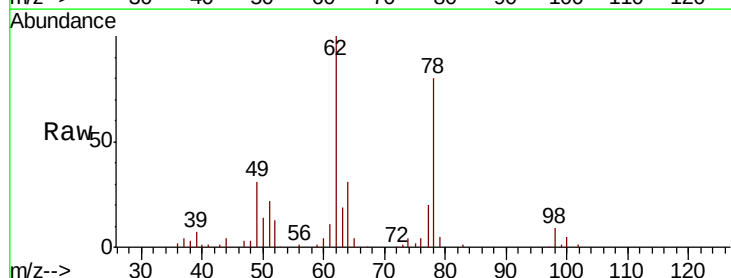
Acq: 04 May 2020 11:44

Tgt Ion: 62 Resp: 59803

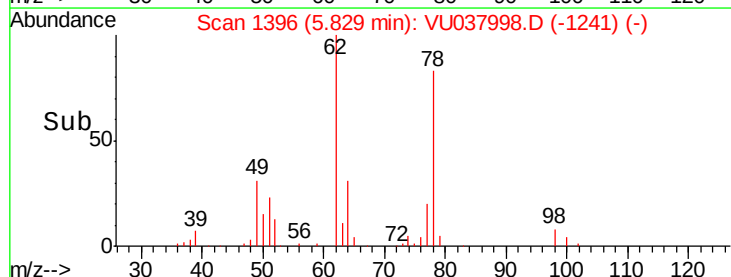
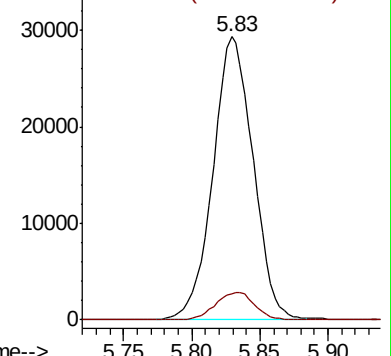
Ion Ratio Lower Upper

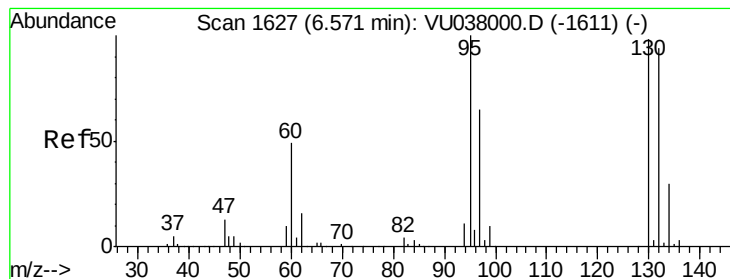
62 100

98 9.4 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU037998.D (-1241) (-)





#37

Trichloroethene

Concen: 1.799 ug/l

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

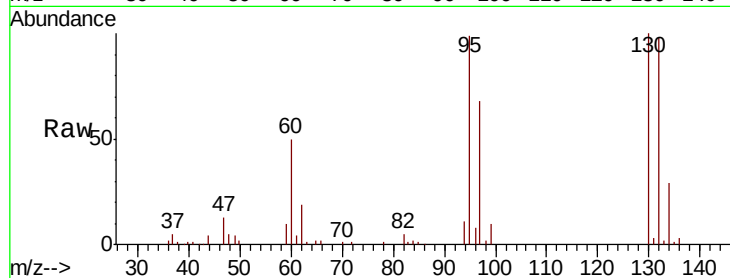
ClientSampleId :

Tot Ion:130 Resp: 50452

Ion Ratio Lower Upper

130 100

95 99.4 81.6 122.4



Abundance Ion 129.90 (129.60 to 130.60): VU038000.D (-1611) (-)

Ion 94.90 (94.60 to 95.60): VU038000.D (-1611) (-)

6.57

30000

25000

20000

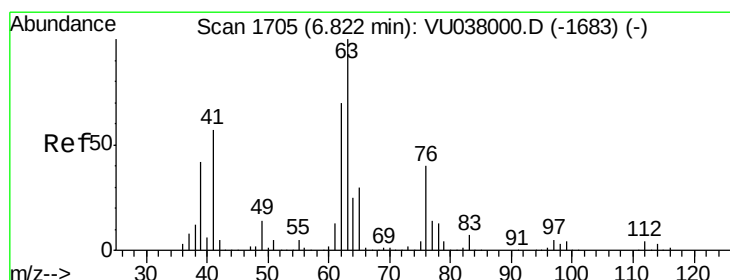
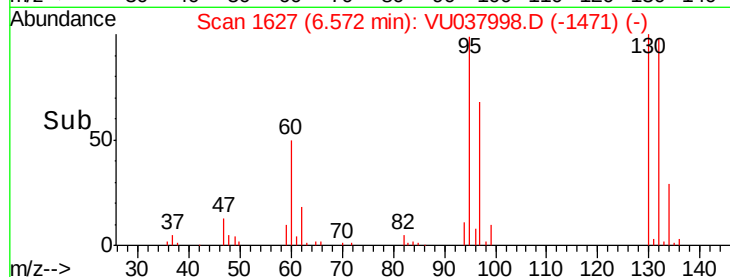
15000

10000

5000

0

Time-->



#38

1,2-Dichloropropane

Concen: 1.808 ug/l

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037998.D

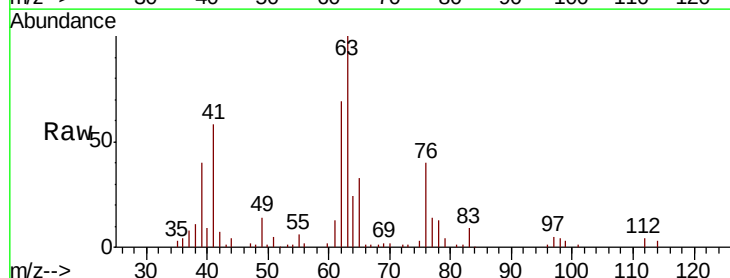
Acq: 04 May 2020 11:44

Tgt Ion: 63 Resp: 52709

Ion Ratio Lower Upper

63 100

65 32.8 24.1 36.1



Abundance Ion 63.00 (62.70 to 63.70): VU038000.D (-1683) (-)

Ion 65.00 (64.70 to 65.70): VU038000.D (-1683) (-)

6.82

30000

25000

20000

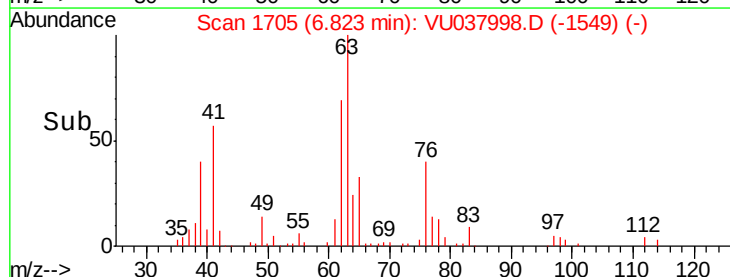
15000

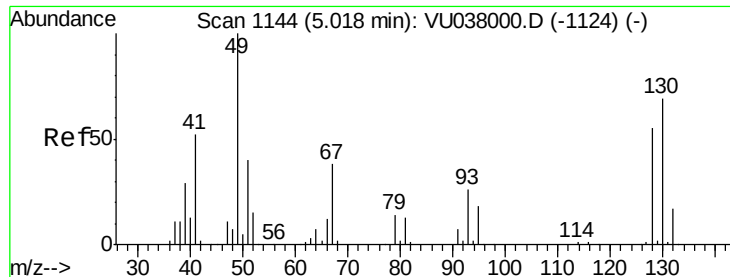
10000

5000

0

Time-->

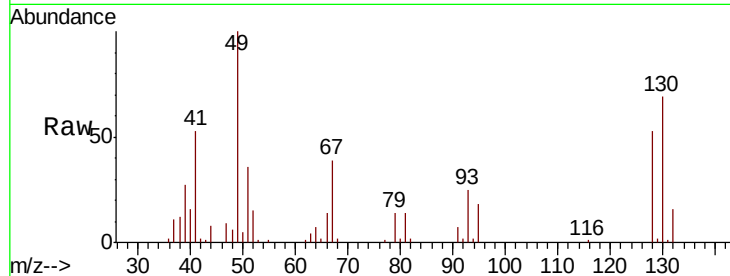




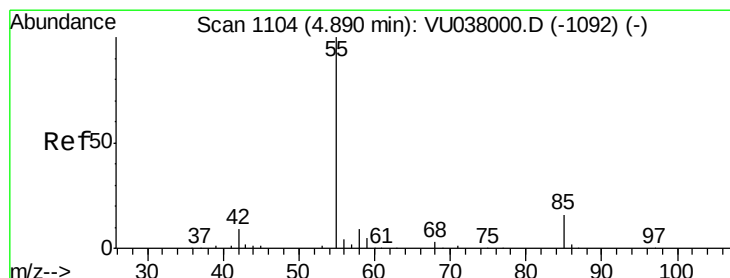
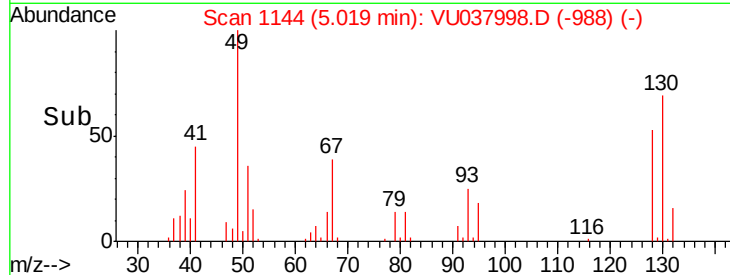
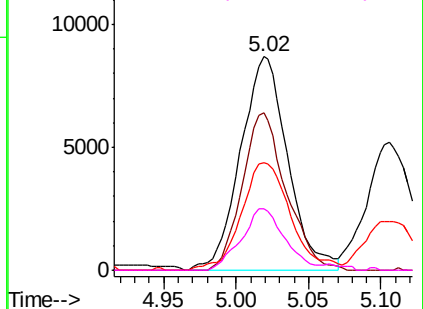
#39
Methacrylonitrile
Concen: 1.909 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	19699
Ion	Ratio	Lower	Upper
41	100		
67	68.5	58.0	87.0
39	52.4	43.2	64.8
52	26.4	22.9	34.3

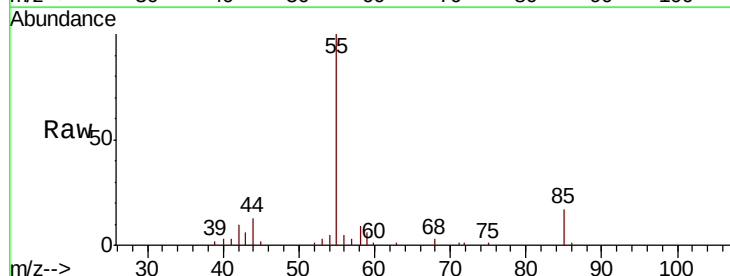


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

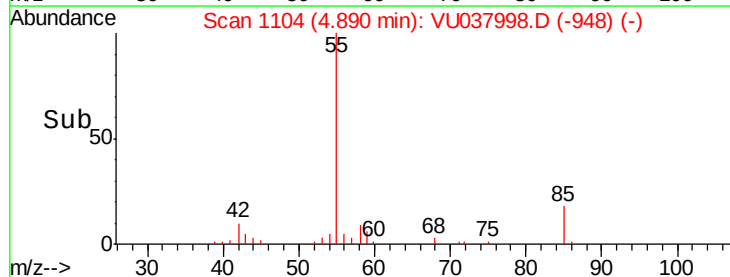
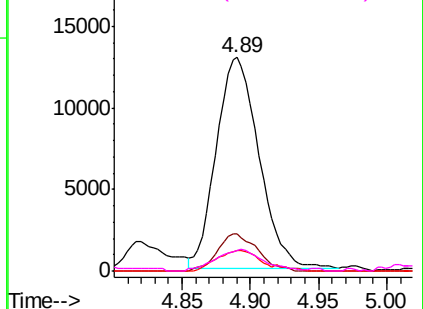


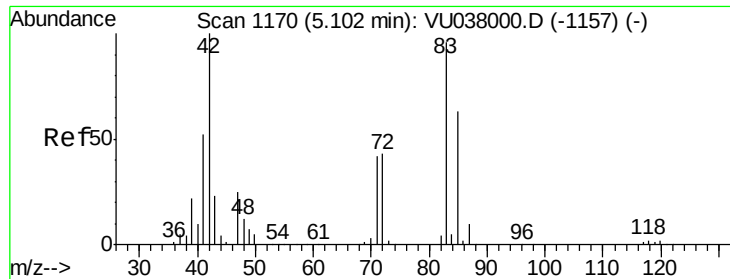
#40
Methyl acrylate
Concen: 1.919 ug/l
RT: 4.89 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion:	55	Resp:	27992
Ion	Ratio	Lower	Upper
55	100		
85	16.4	12.9	19.3
58	9.4	7.2	10.8
42	11.1	8.1	12.1



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 3.761 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampled :

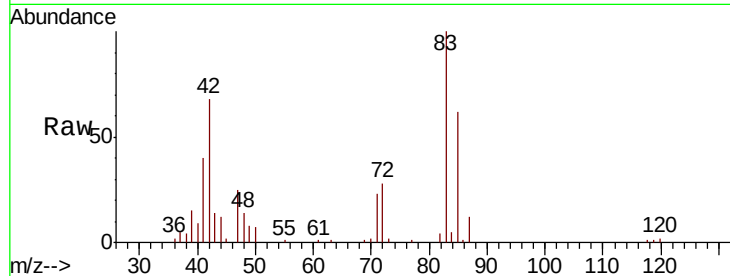
Tot Ion: 42 Resp: 19343

Ion Ratio Lower Upper

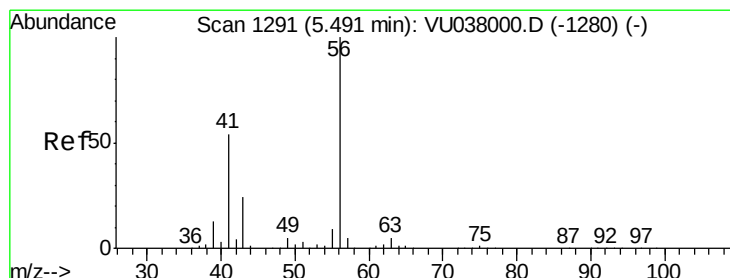
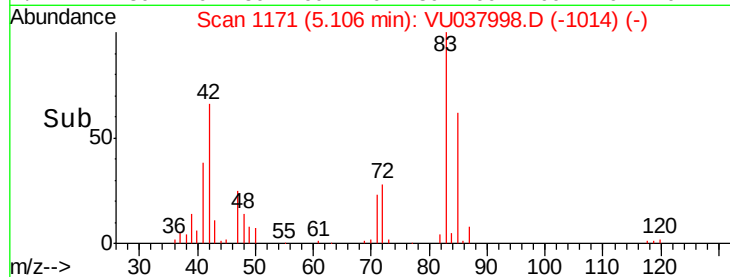
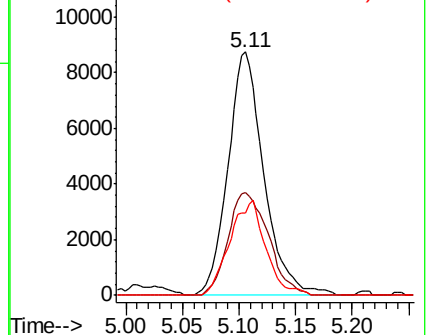
42 100

72 47.3 37.4 56.2

71 39.0 32.8 49.2



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 1.881 ug/l

RT: 5.49 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VU037998.D

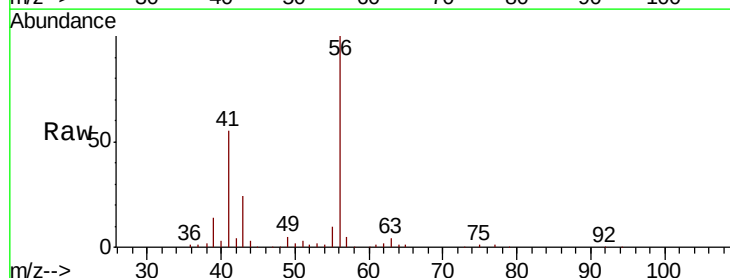
Acq: 04 May 2020 11:44

Tgt Ion: 56 Resp: 101675

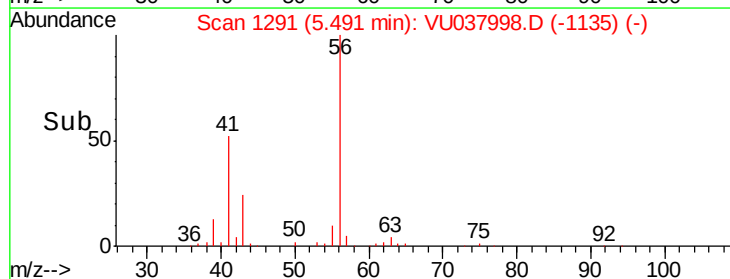
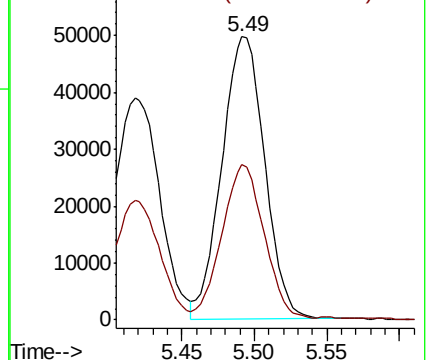
Ion Ratio Lower Upper

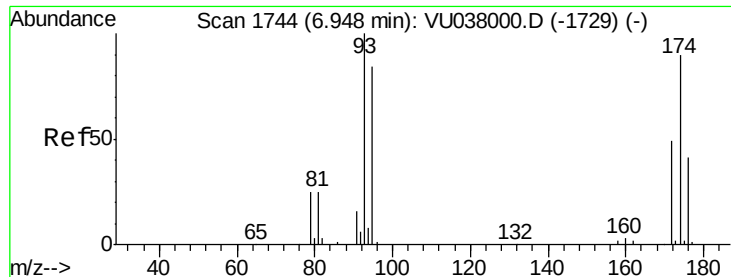
56 100

41 53.0 26.8 80.4



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0

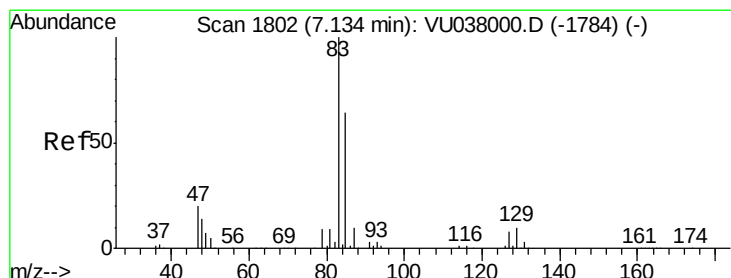
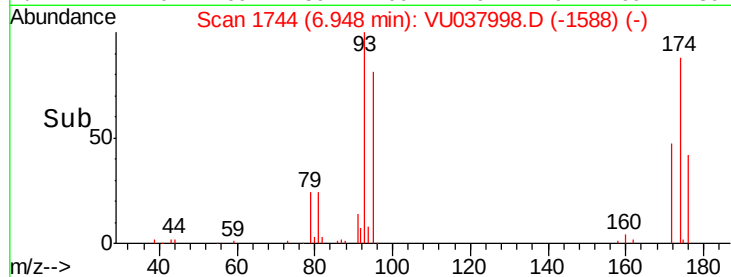
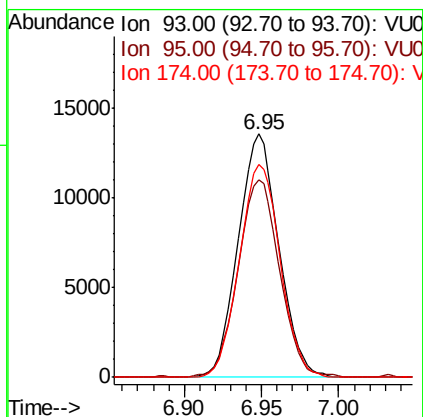
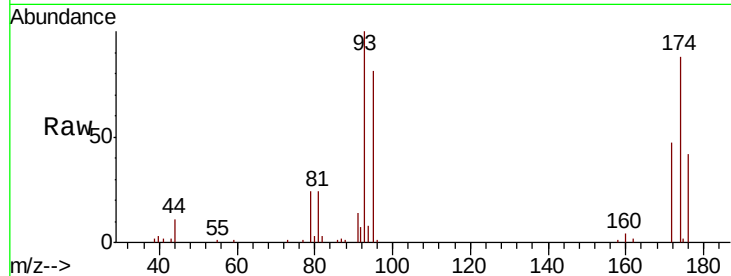




#43
 Dibromomethane
 Concen: 1.680 ug/l
 RT: 6.95 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

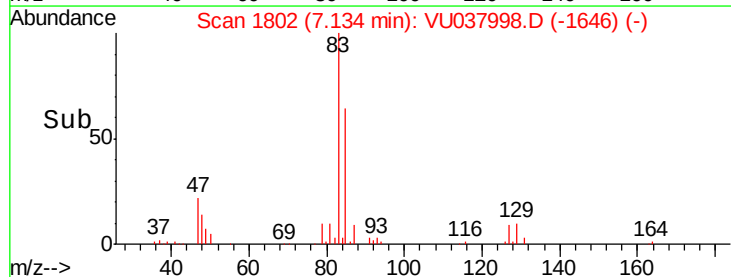
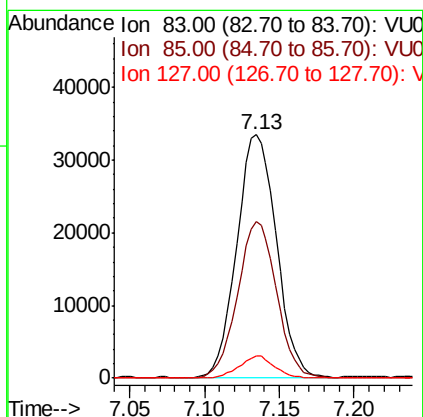
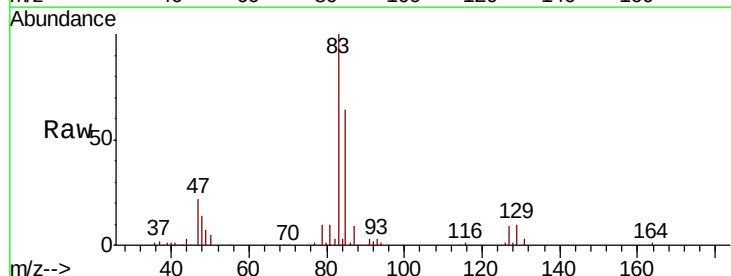
Instrument :
 MSVOA_U
 ClientSampleId :

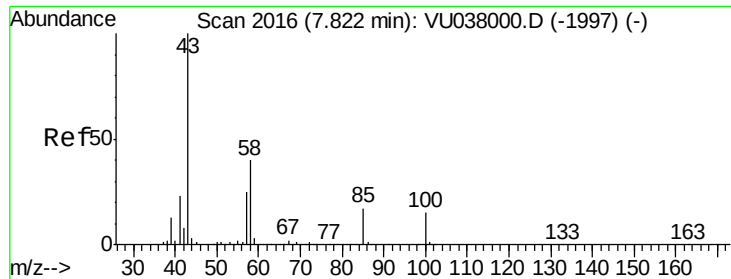
Tot Ion: 93 Resp: 24751
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.1 99.1
 174 88.0 72.8 109.2



#44
 Bromodichloromethane
 Concen: 1.604 ug/l
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion: 83 Resp: 61253
 Ion Ratio Lower Upper
 83 100
 85 64.4 51.4 77.0
 127 9.1 6.2 9.2

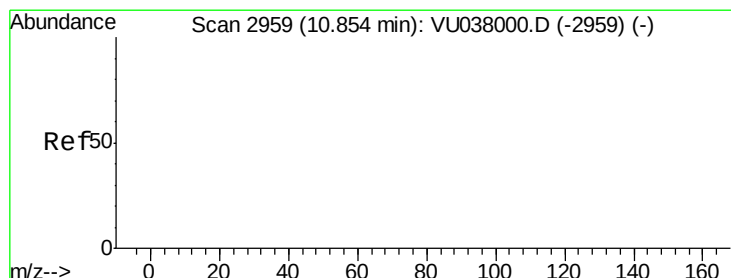
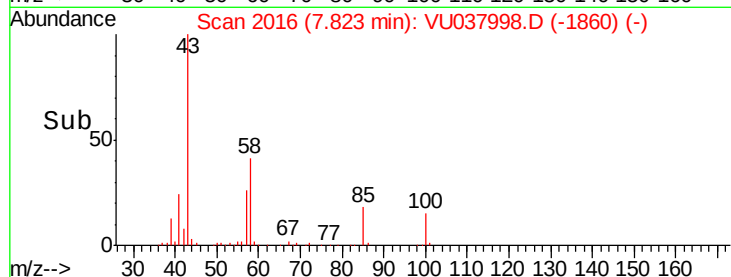
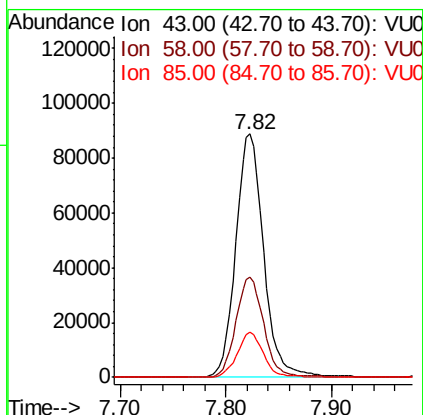
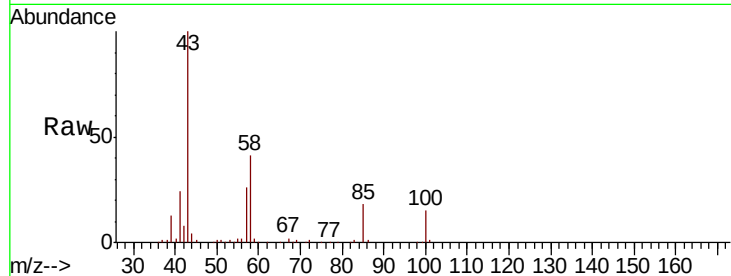




#45
 4-Methyl-2-Pentanone
 Concen: 8.210 ug/l
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

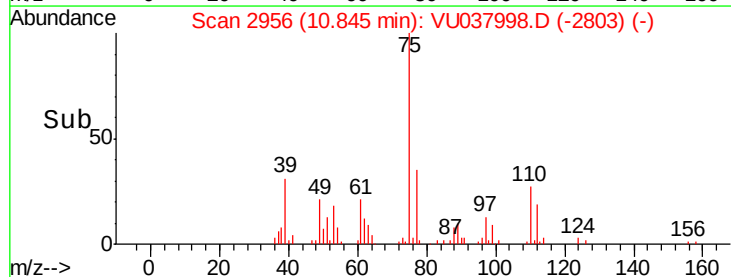
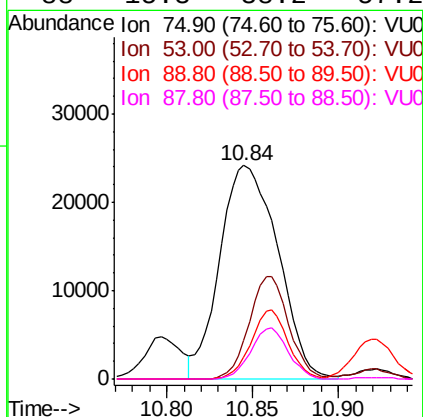
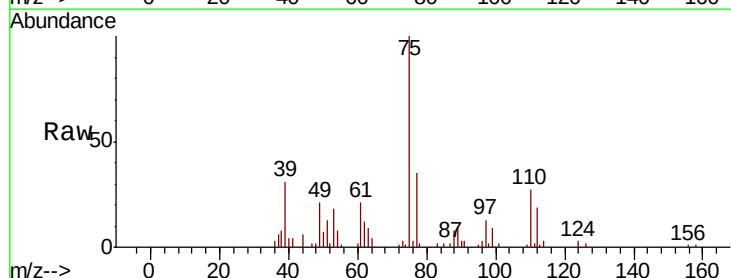
Instrument :
 MSVOA_U
 ClientSampled :

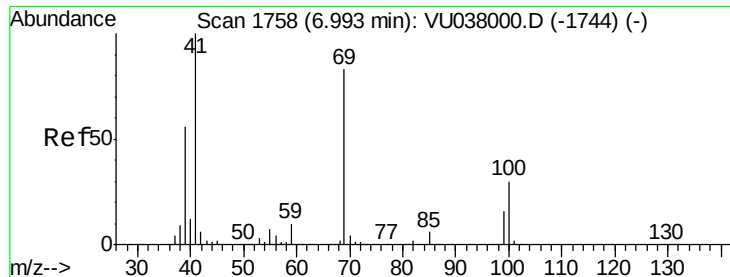
Tot Ion	43	Resp	162636
Ion Ratio	Lower	Upper	
43	100		
58	40.6	20.1	60.3
85	17.5	13.7	20.5



#46
 t-1,4-Dichloro-2-butene
 Concen: 10.492 ug/l
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.01 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	75	Resp	56737
Ion Ratio	Lower	Upper	
75	100		
53	32.5	81.1	121.7#
89	20.4	53.2	79.8#
88	15.3	38.2	57.2#

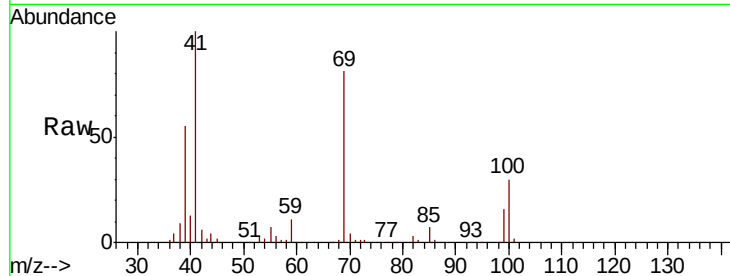




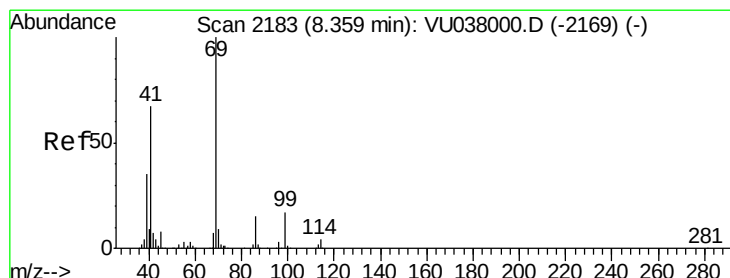
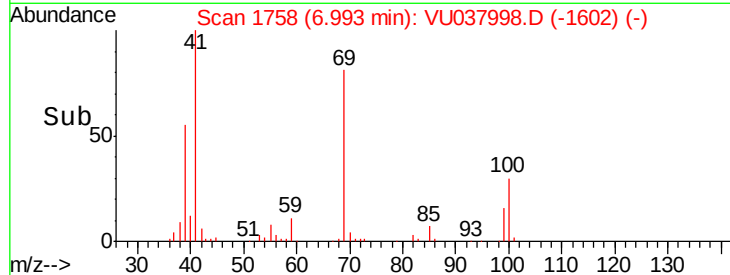
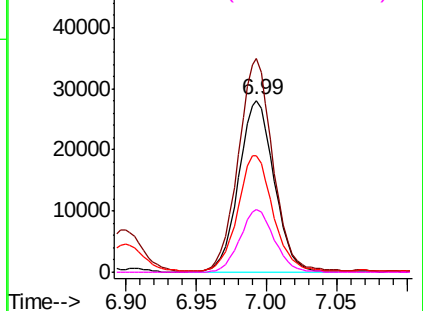
#47
Methvl methacrylate
Concen: 3.974 ug/l
RT: 6.99 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 49475
Ion Ratio Lower Upper
69 100
41 118.9 0.0 241.6
39 66.4 52.9 79.3
100 35.3 29.1 43.7

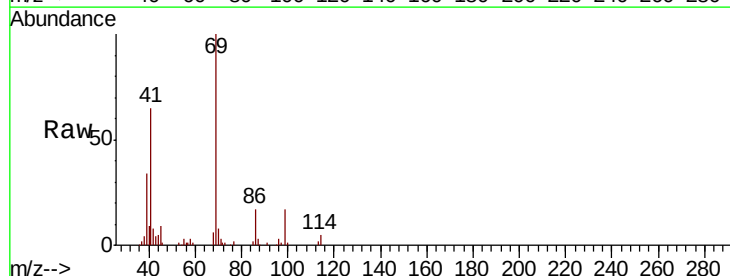


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

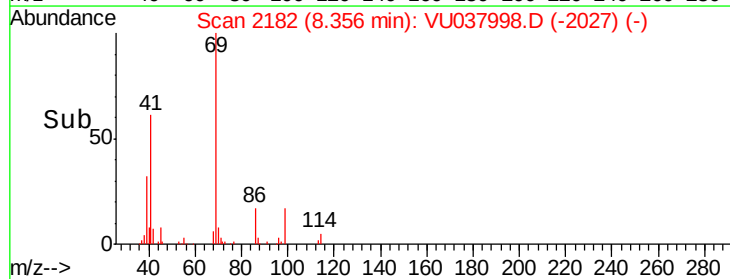
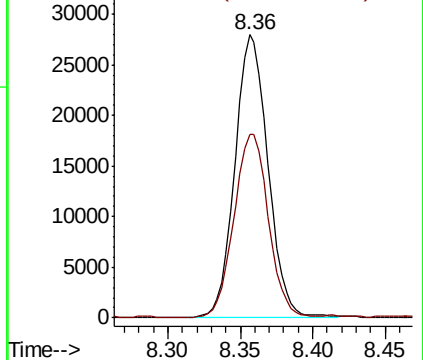


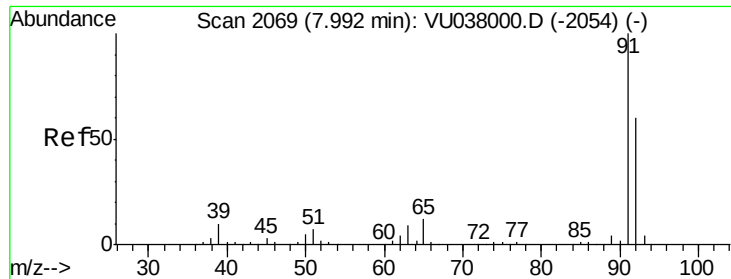
#48
Ethyl methacrylate
Concen: 1.809 ug/l
RT: 8.36 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion: 69 Resp: 44398
Ion Ratio Lower Upper
69 100
41 67.6 33.6 100.8



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 1.900 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

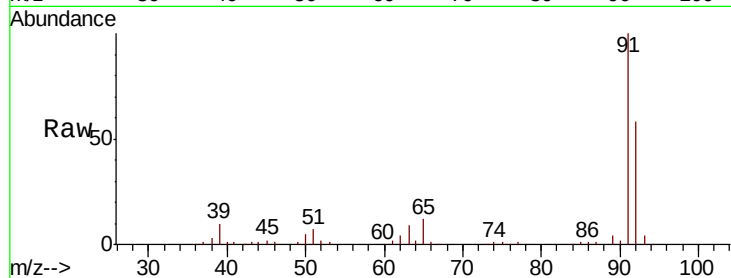
ClientSampleId :

Tot Ion: 92 Resp: 122269

Ion Ratio Lower Upper

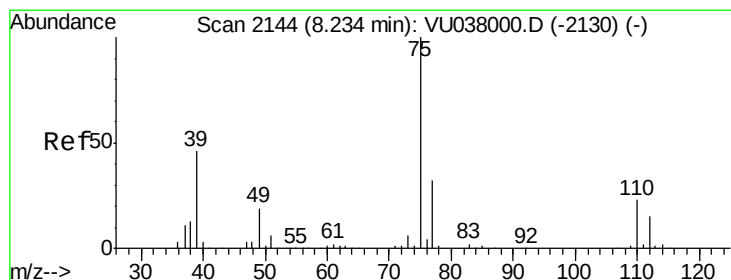
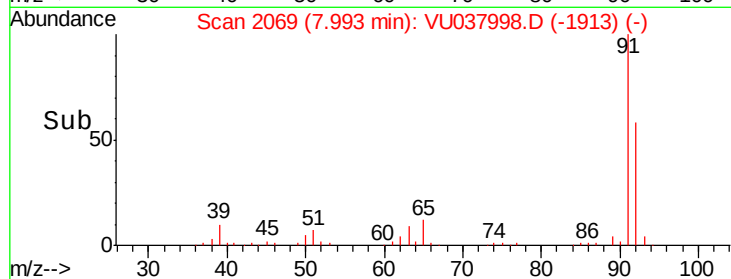
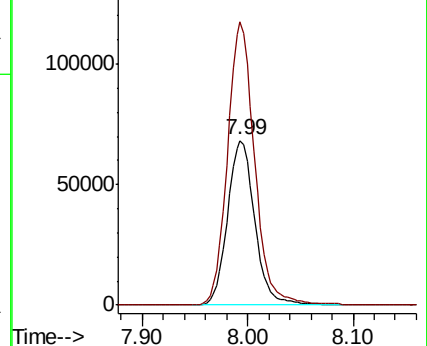
92 100

91 171.0 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VU037998.D (-1913) (-)

Ion 91.00 (90.70 to 91.70): VU037998.D (-1913) (-)



#50

t-1,3-Dichloropropene

Concen: 1.771 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037998.D

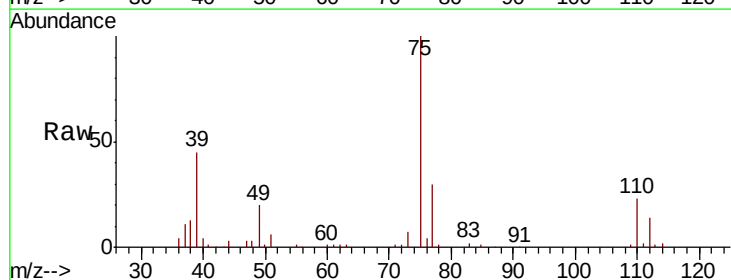
Acq: 04 May 2020 11:44

Tgt Ion: 75 Resp: 62068

Ion Ratio Lower Upper

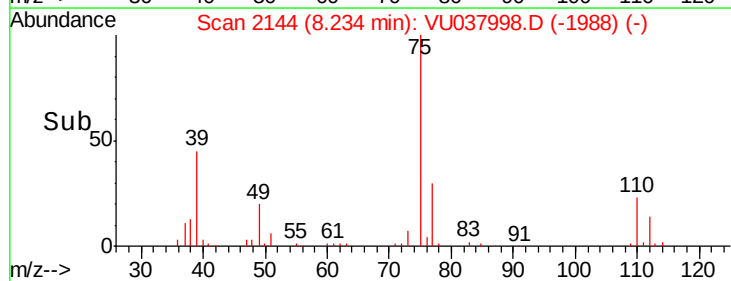
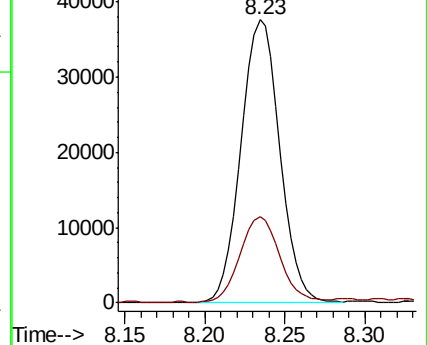
75 100

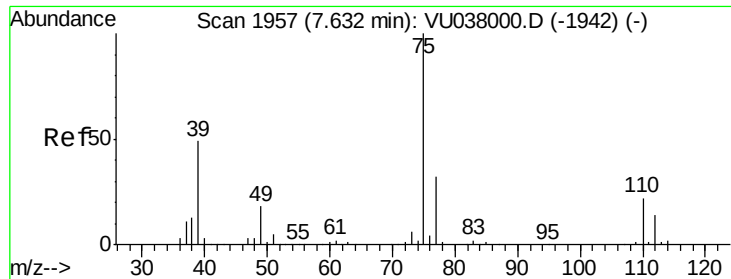
77 30.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU037998.D (-1988) (-)

Ion 77.00 (76.70 to 77.70): VU037998.D (-1988) (-)

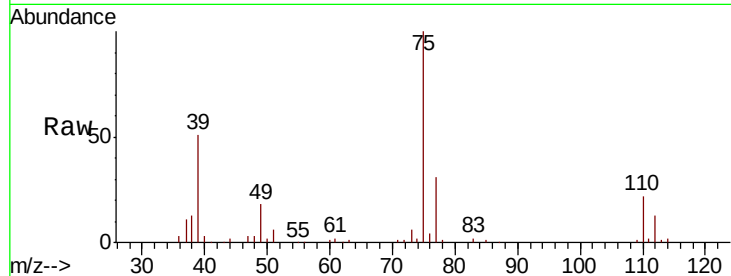




#51
 cis-1,3-Dichloropropene
 Concen: 1.818 ug/l
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	75	Resp	73498
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3
39	51.1	39.0	58.4

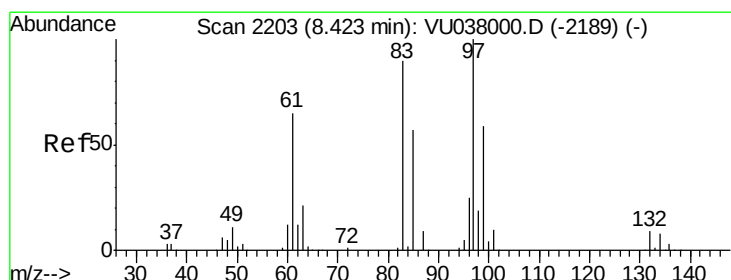
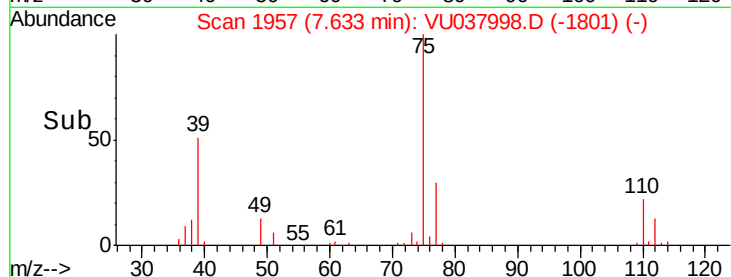
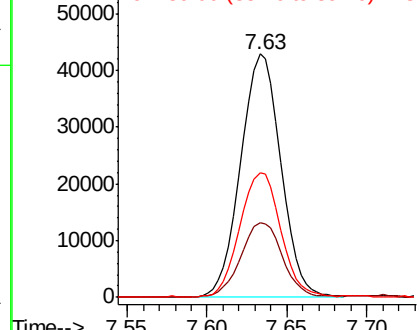


Abundance

Ion 75.00 (74.70 to 75.70): VU038000.D (-1942) (-)

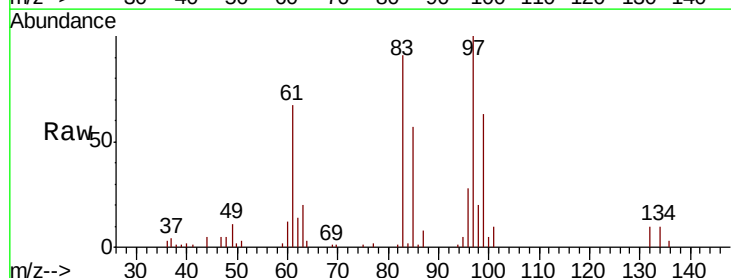
Ion 77.00 (76.70 to 77.70): VU038000.D (-1942) (-)

Ion 39.00 (38.70 to 39.70): VU038000.D (-1942) (-)



#52
 1,1,2-Trichloroethane
 Concen: 1.763 ug/l
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	97	Resp	34918
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.4	108.6
85	57.3	46.0	69.0
99	63.4	50.4	75.6



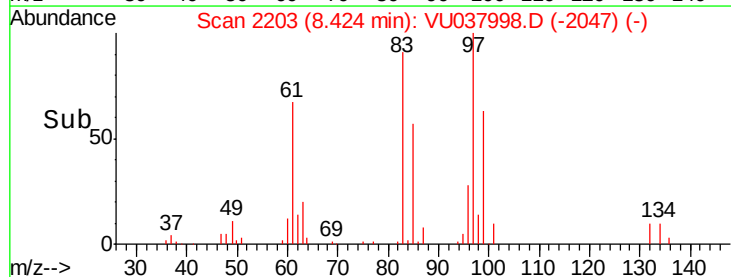
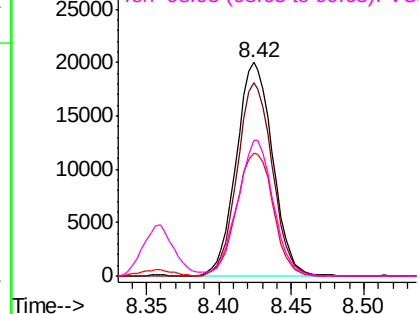
Abundance

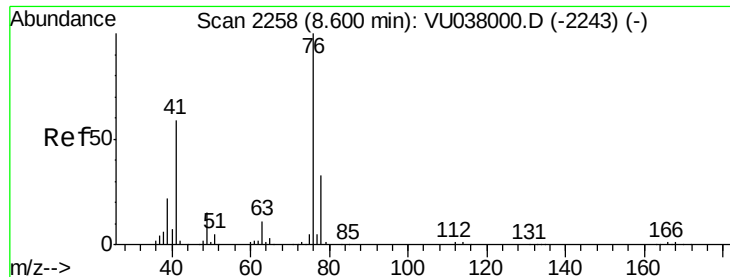
Ion 97.00 (96.70 to 97.70): VU038000.D (-2189) (-)

Ion 82.95 (82.65 to 83.65): VU038000.D (-2189) (-)

Ion 84.95 (84.65 to 85.65): VU038000.D (-2189) (-)

Ion 98.95 (98.65 to 99.65): VU038000.D (-2189) (-)





#53

1,3-Dichloropropane

Concen: 1.855 ug/l

RT: 8.60 min Scan# 2257

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

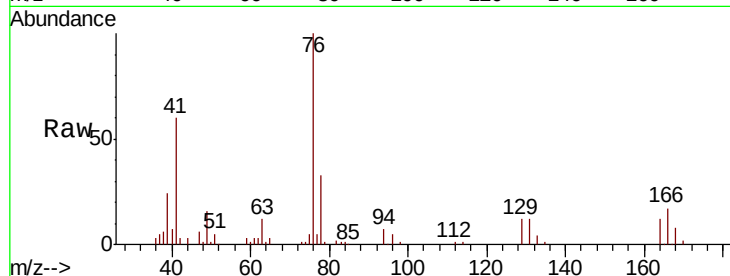
ClientSampleId :

Tot Ion: 76 Resp: 65863

Ion Ratio Lower Upper

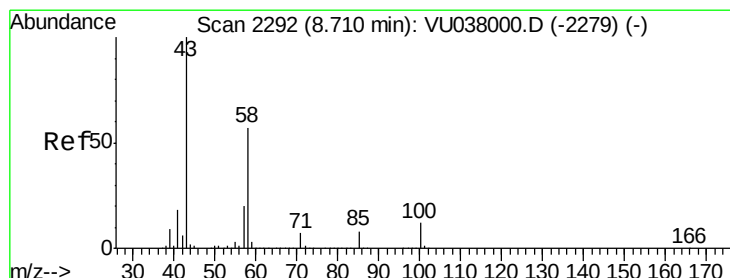
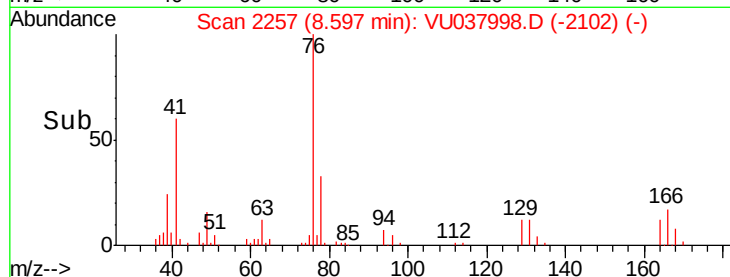
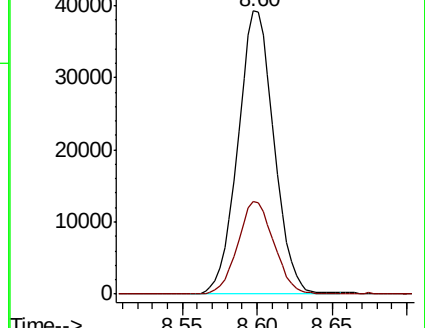
76 100

78 32.6 25.8 38.6



Abundance Ion 76.00 (75.70 to 76.70): VU038000.D (-2243) (-)

Ion 78.00 (77.70 to 78.70): VU038000.D (-2243) (-)



#54

2-Hexanone

Concen: 8.471 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

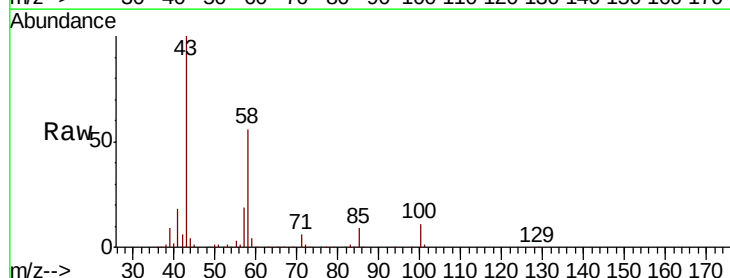
Tgt Ion: 43 Resp: 115320

Ion Ratio Lower Upper

43 100

58 57.5 36.5 76.5

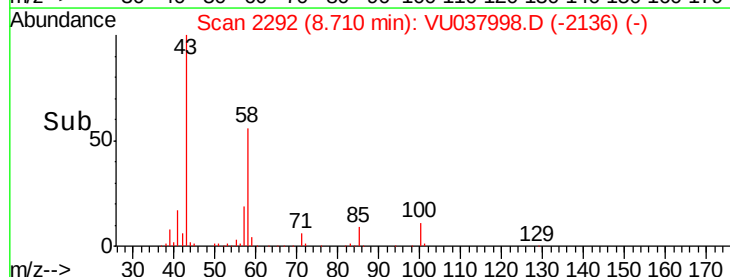
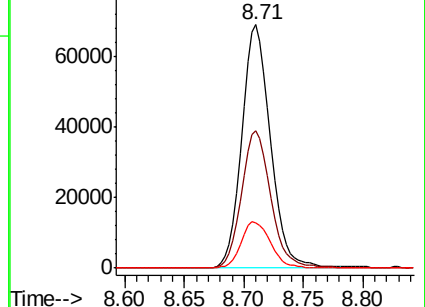
57 19.7 0.0 39.5

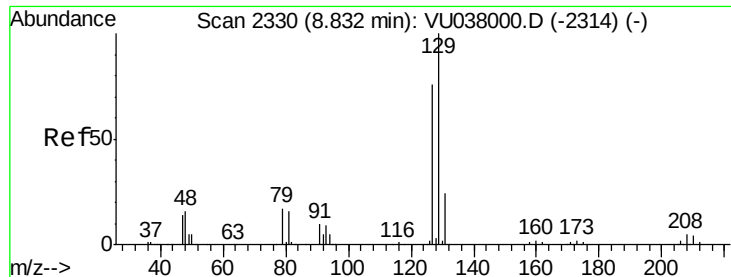


Abundance Ion 43.00 (42.70 to 43.70): VU038000.D (-2279) (-)

Ion 58.00 (57.70 to 58.70): VU038000.D (-2279) (-)

Ion 57.00 (56.70 to 57.70): VU038000.D (-2279) (-)

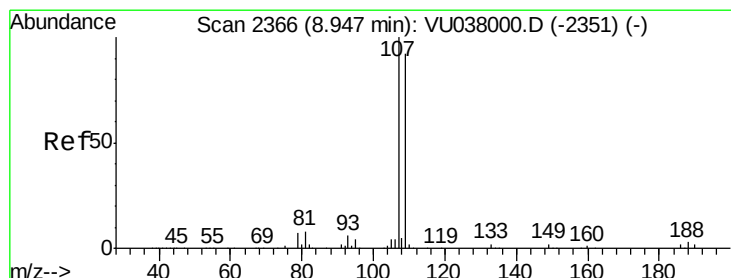
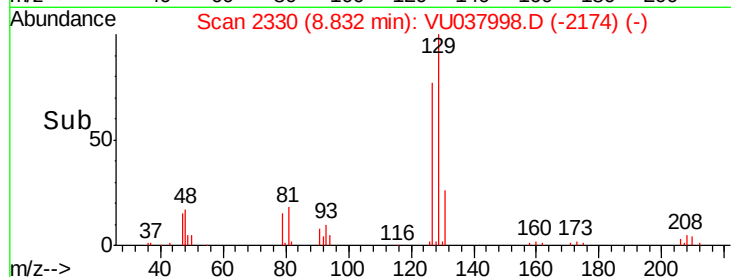
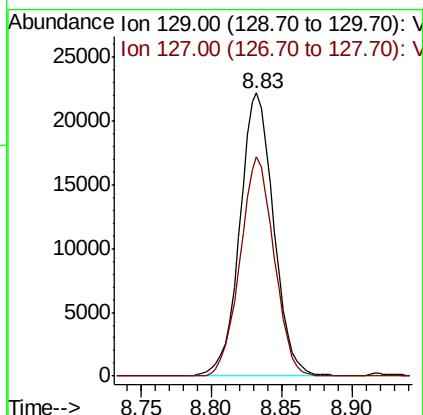
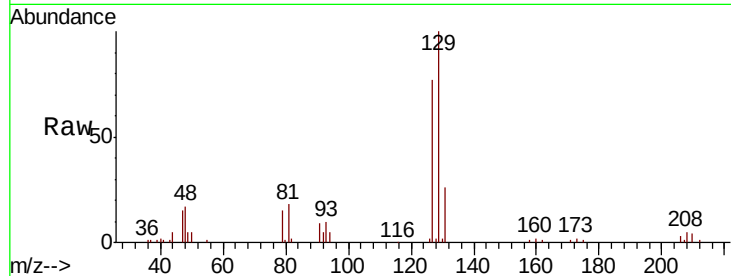




#55
 Dibromochloromethane
 Concen: 1.546 ug/l
 RT: 8.83 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

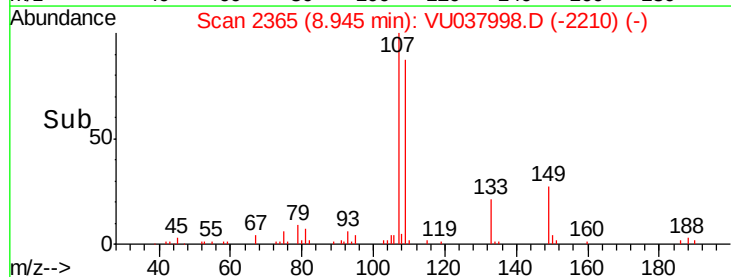
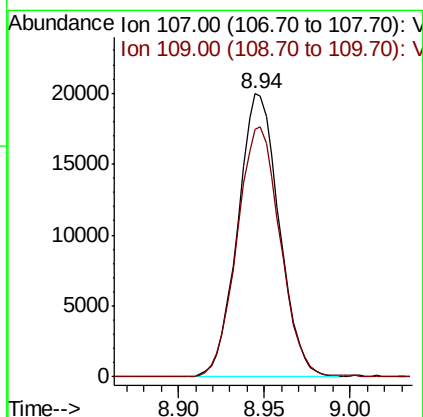
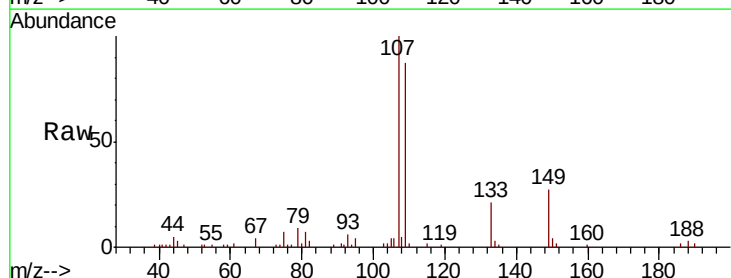
Instrument :
 MSVOA_U
 ClientSampled :

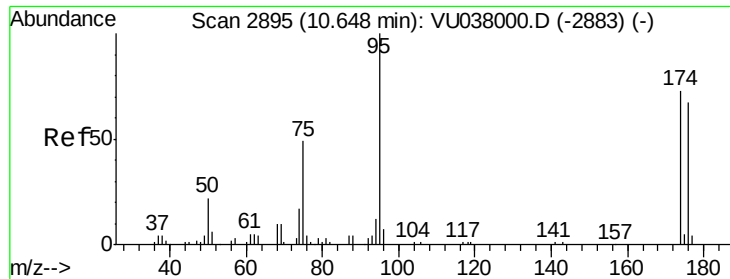
Tot Ion:129 Resp: 37291
 Ion Ratio Lower Upper
 129 100
 127 77.5 62.2 93.2



#56
 1,2-Dibromoethane
 Concen: 1.789 ug/l
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion:107 Resp: 33220
 Ion Ratio Lower Upper
 107 100
 109 92.4 0.0 184.6

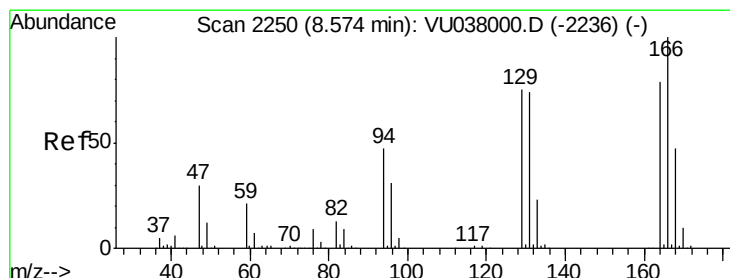
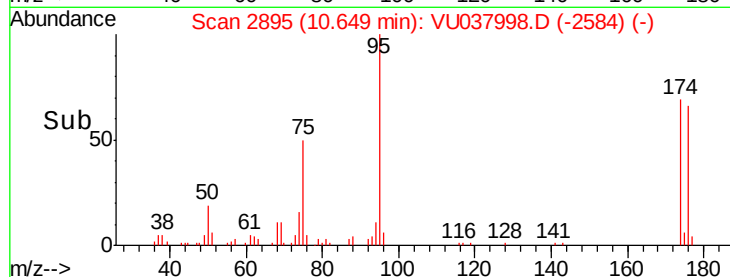
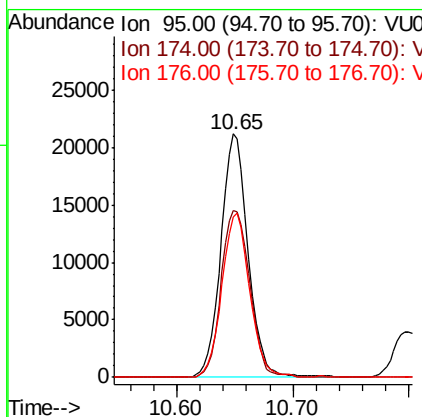
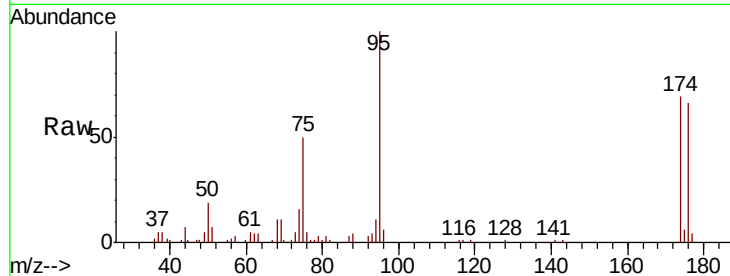




#57
4-Bromofluorobenzene
Concen: 0.994 ug/l
RT: 10.65 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

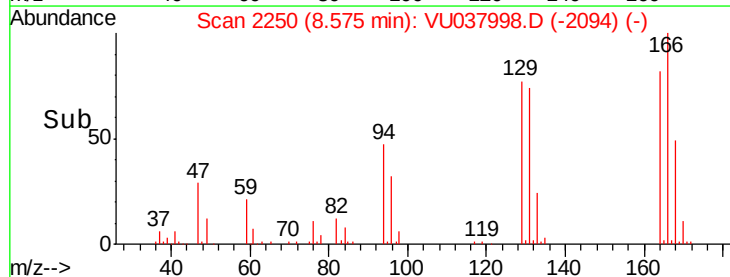
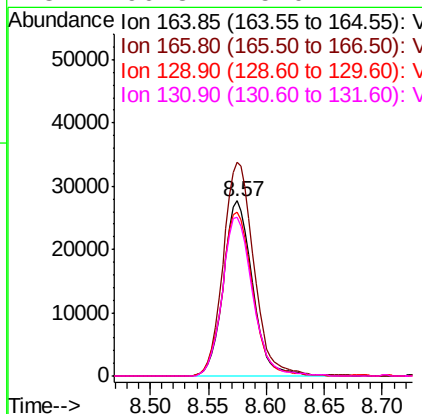
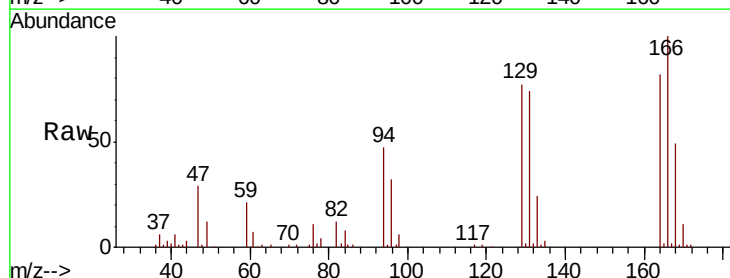
Instrument :
MSVOA_U
ClientSampled :

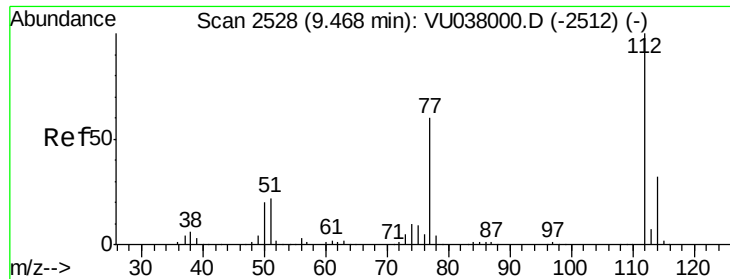
Tot Ion: 95 Resp: 34213
Ion Ratio Lower Upper
95 100
174 72.4 61.2 91.8
176 68.9 57.1 85.7



#58
Tetrachloroethene
Concen: 1.833 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion: 164 Resp: 48282
Ion Ratio Lower Upper
164 100
166 122.0 101.5 152.3
129 93.5 76.6 114.8
131 90.8 75.0 112.4





#59

Chlorobenzene

Concen: 1.848 ug/l

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

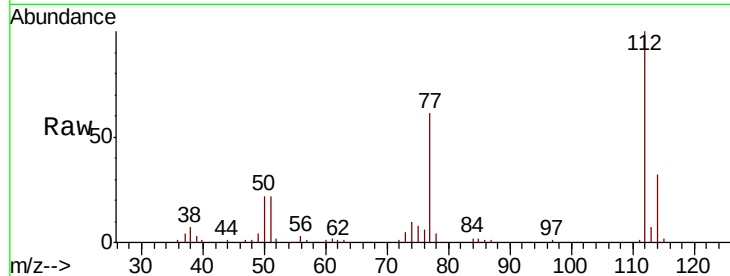
ClientSampleId :

Tot Ion:112 Resp: 132613

Ion Ratio Lower Upper

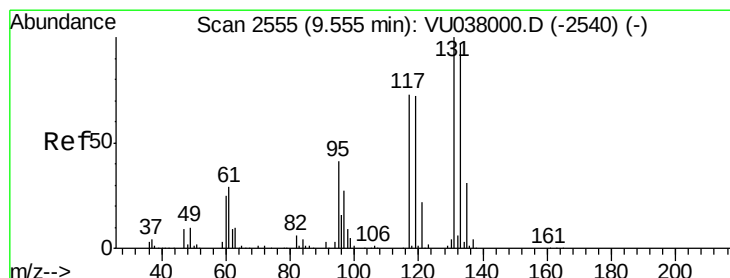
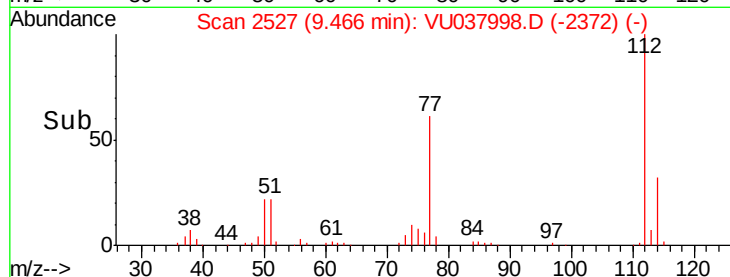
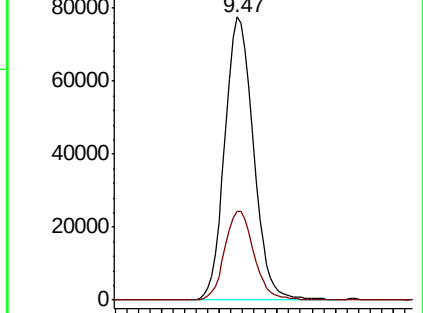
112 100

114 31.6 25.7 38.5



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: 1.521 ug/l

RT: 9.55 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

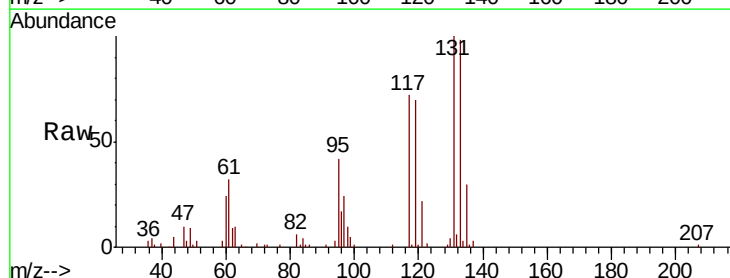
Tgt Ion:131 Resp: 38786

Ion Ratio Lower Upper

131 100

133 96.6 76.8 115.2

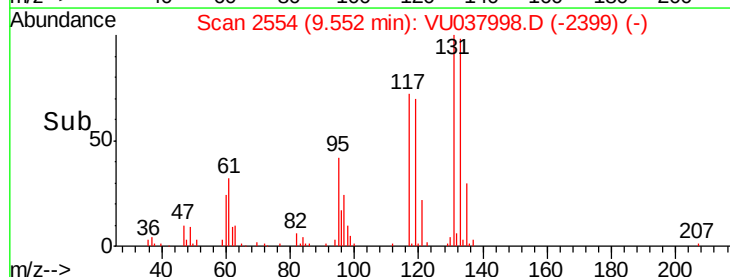
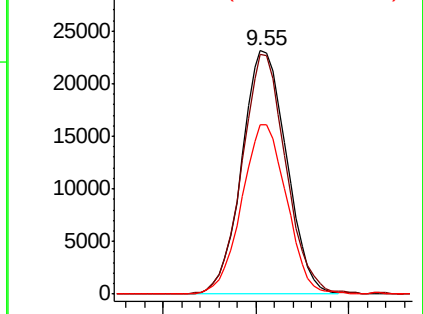
119 69.7 56.7 85.1

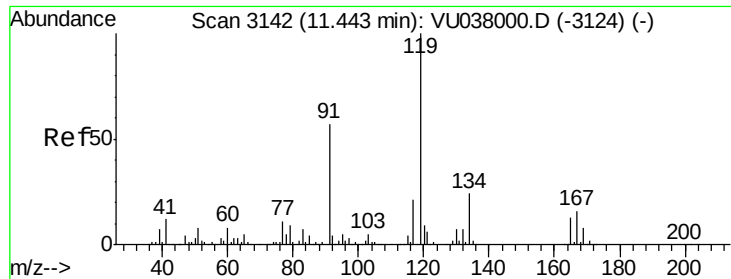


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

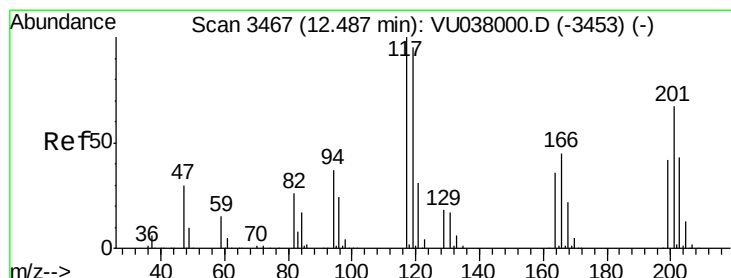
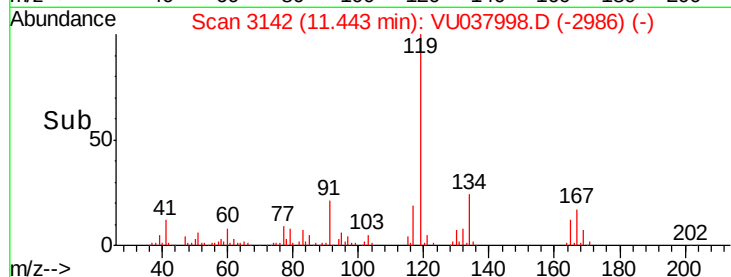
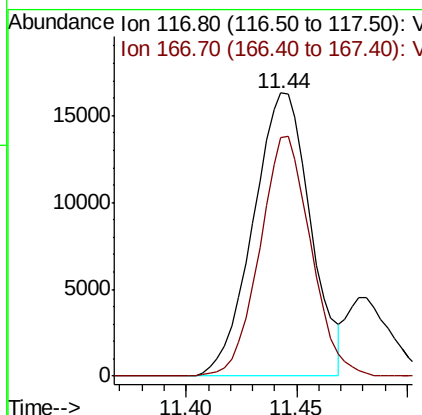
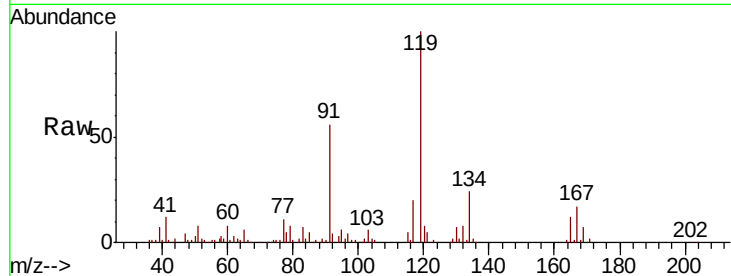




#61
 Pentachloroethane
 Concen: 1.509 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

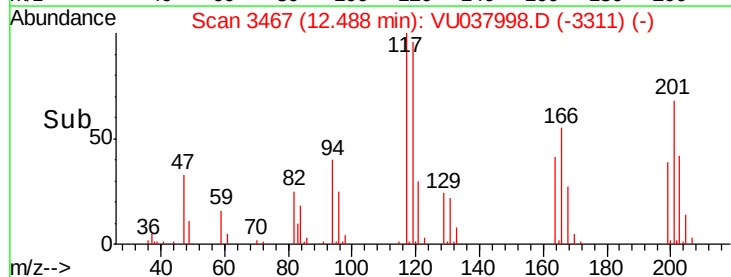
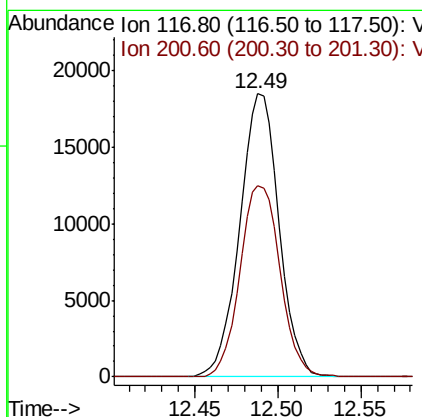
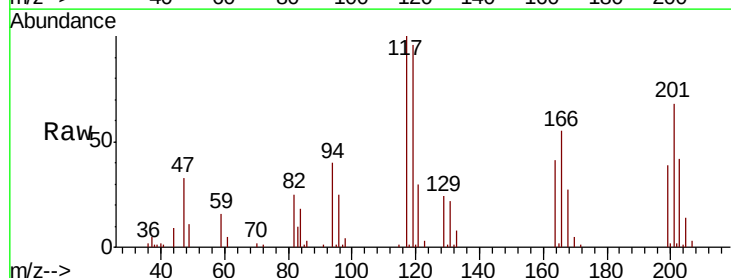
Instrument :
 MSVOA_U
 ClientSampleId :

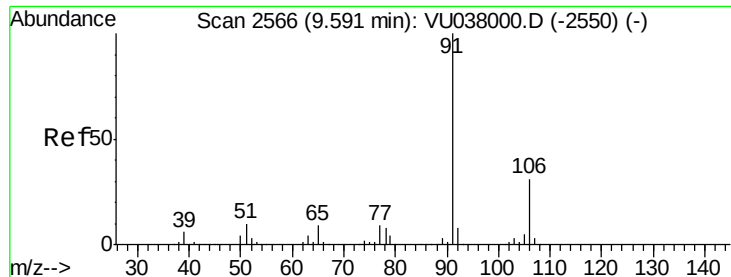
Tot Ion:117 Resp: 29371
 Ion Ratio Lower Upper
 117 100
 167 75.3 60.3 90.5



#62
 Hexachloroethane
 Concen: 1.474 ug/l
 RT: 12.49 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion:117 Resp: 30474
 Ion Ratio Lower Upper
 117 100
 201 69.2 54.7 82.1

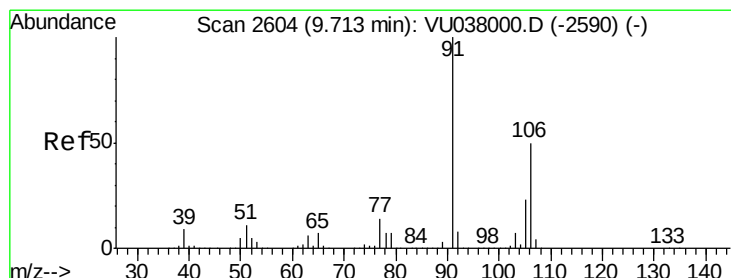
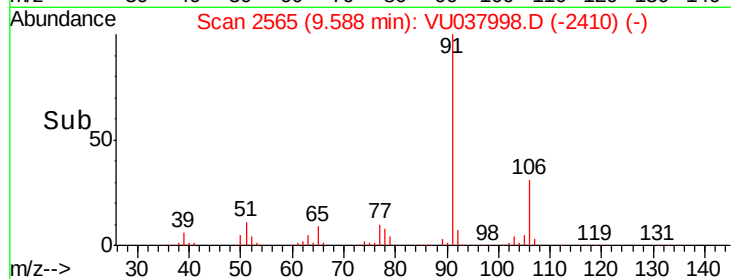
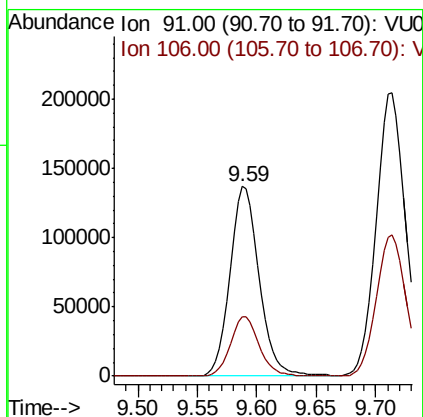
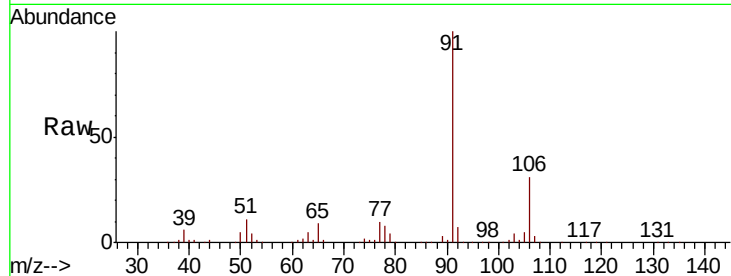




#63
Ethyl Benzene
Concen: 1.904 ug/l
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

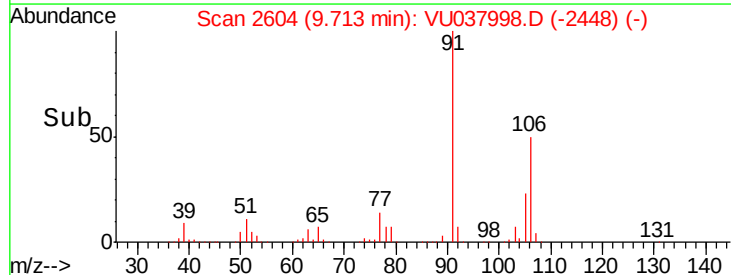
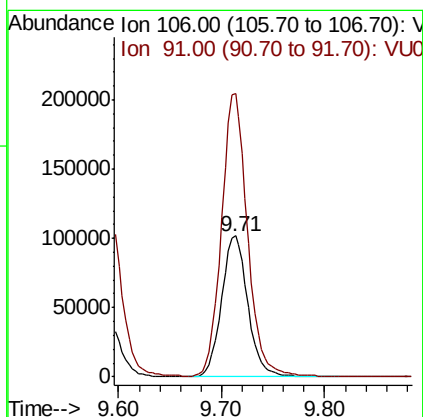
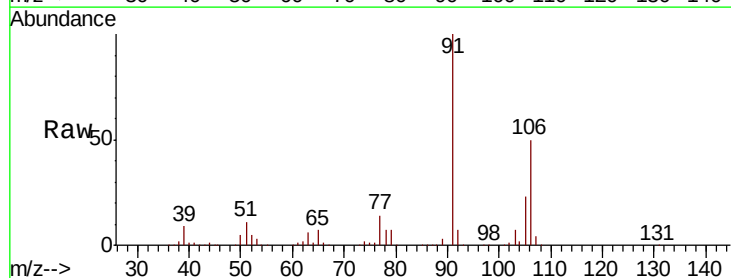
Instrument :
MSVOA_U
ClientSampled :

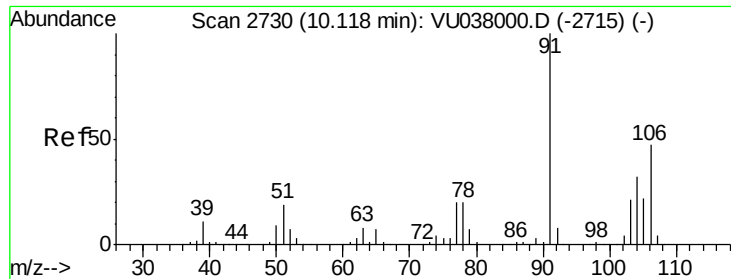
Tot Ion: 91 Resp: 233235
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#64
m/p-Xylenes
Concen: 3.879 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion: 106 Resp: 179846
Ion Ratio Lower Upper
106 100
91 197.5 159.5 239.3

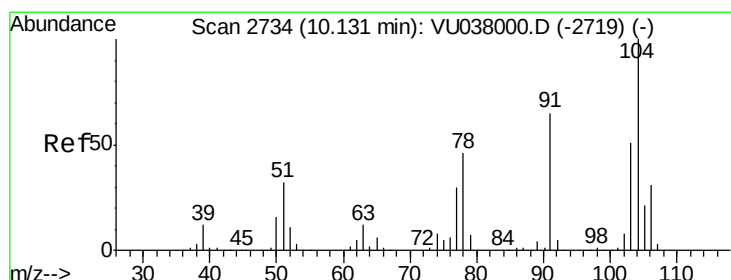
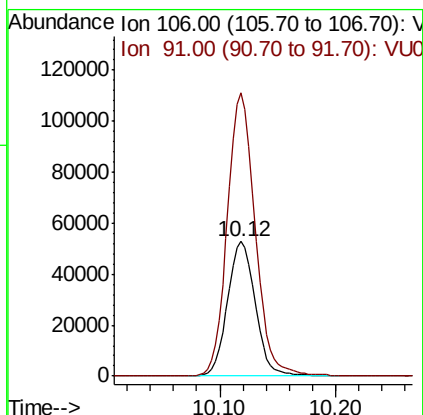
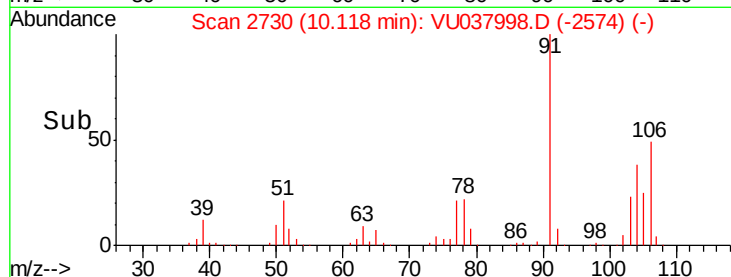
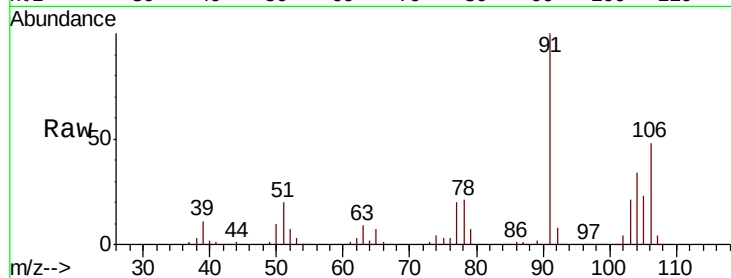




#65
o-Xylene
Concen: 1.958 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

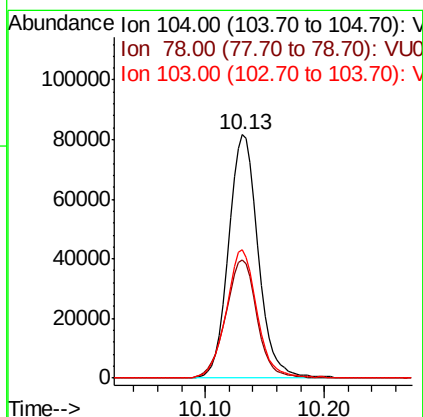
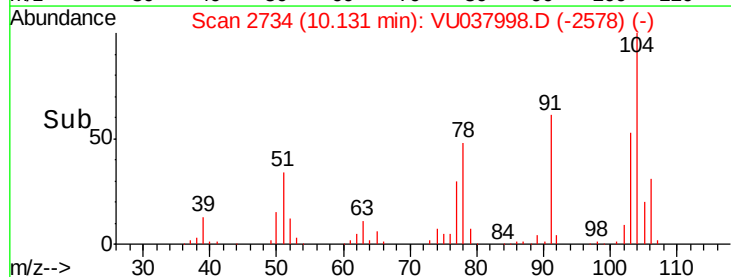
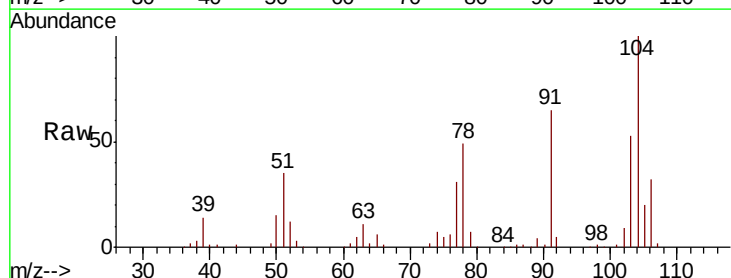
Instrument :
MSVOA_U
ClientSampled :

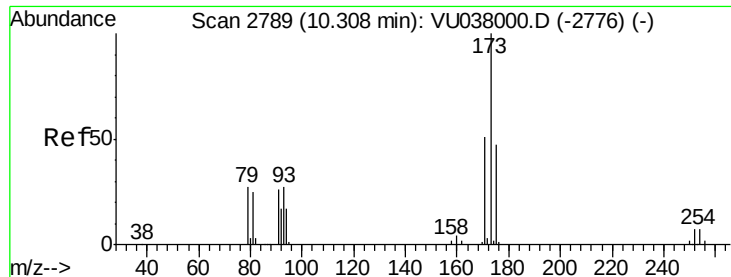
Tot Ion:106 Resp: 87848
Ion Ratio Lower Upper
106 100
91 210.4 105.7 317.0



#66
Styrene
Concen: 1.922 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037998.D
Acq: 04 May 2020 11:44

Tgt Ion:104 Resp: 140865
Ion Ratio Lower Upper
104 100
78 51.3 39.9 59.9
103 55.0 43.4 65.2





#67

Bromoform

Concen: 1.524 ug/l

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

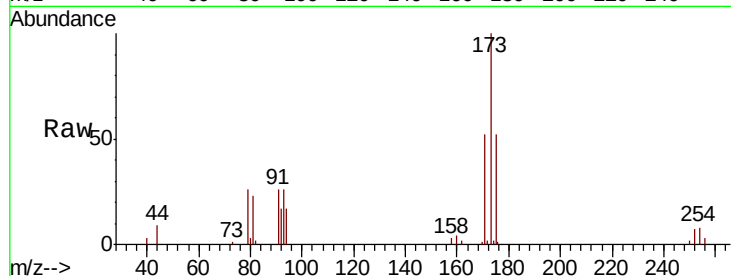
Tot Ion:173 Resp: 19291

Ion Ratio Lower Upper

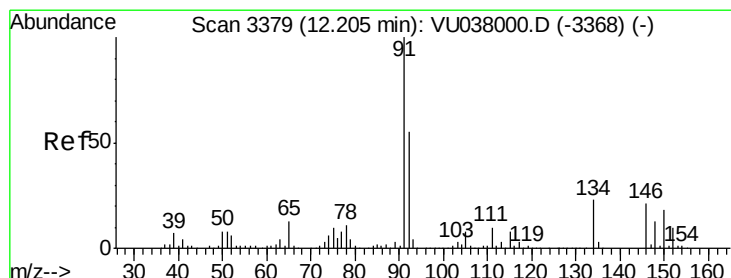
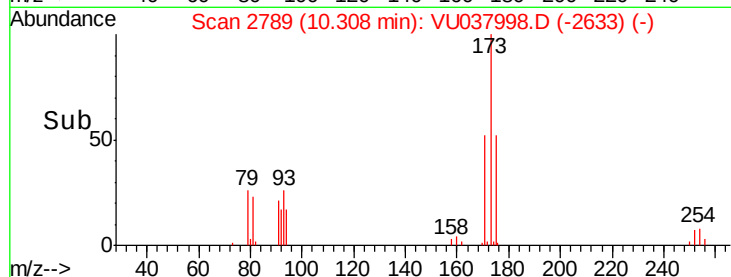
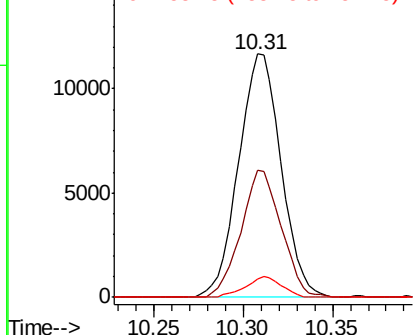
173 100

175 49.7 37.6 56.4

254 7.3 5.5 8.3



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: 0.984 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

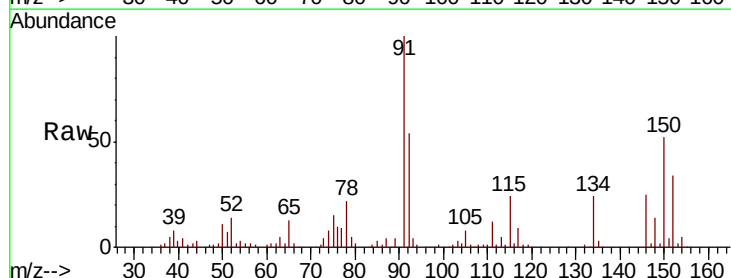
Tgt Ion:152 Resp: 34002

Ion Ratio Lower Upper

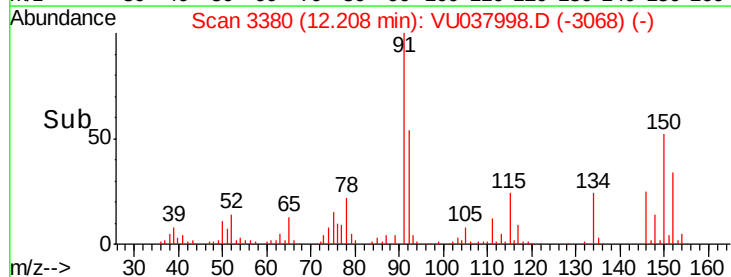
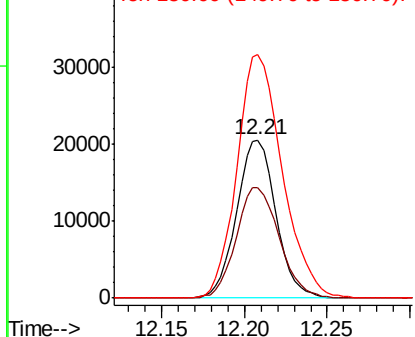
152 100

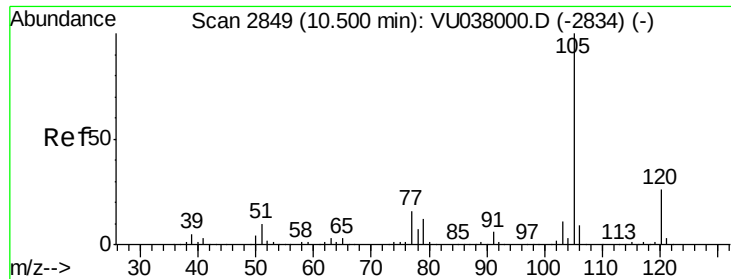
115 76.6 0.0 261.0

150 177.7 0.0 650.2



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: 1.840 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

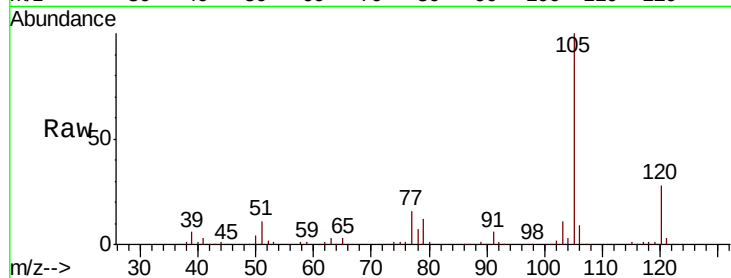
ClientSampleId :

Tot Ion:105 Resp: 224186

Ion Ratio Lower Upper

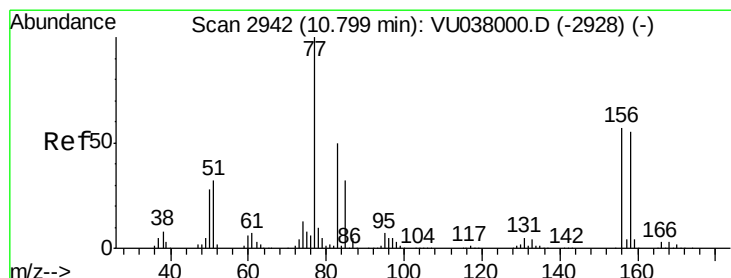
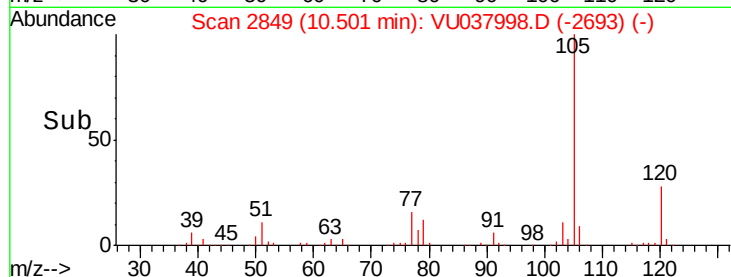
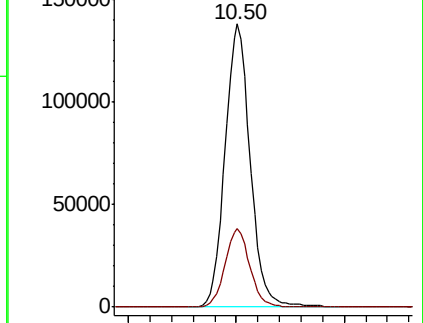
105 100

120 27.3 13.1 39.3



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: 1.722 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

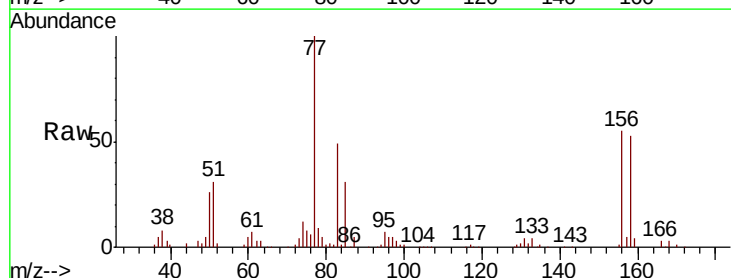
Tgt Ion: 83 Resp: 44724

Ion Ratio Lower Upper

83 100

131 8.6 7.2 10.8

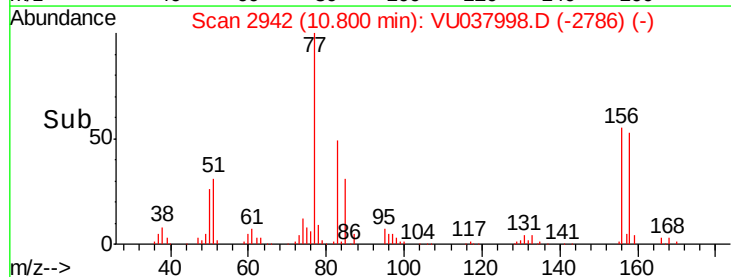
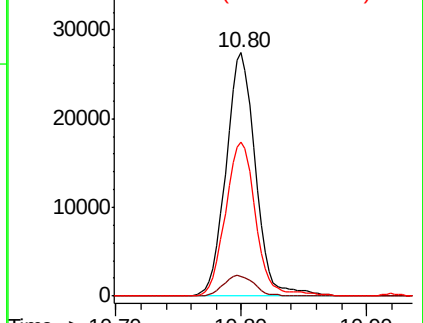
85 63.6 50.0 75.0

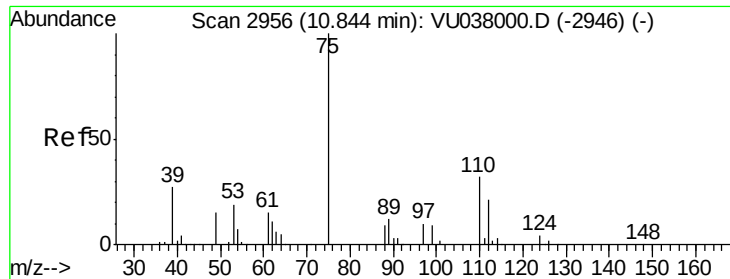


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

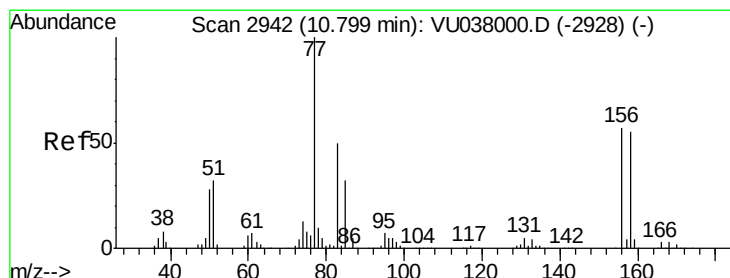
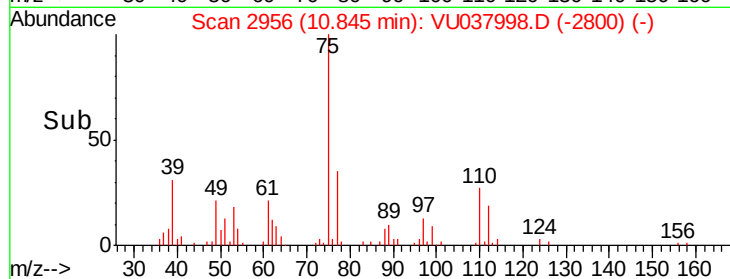
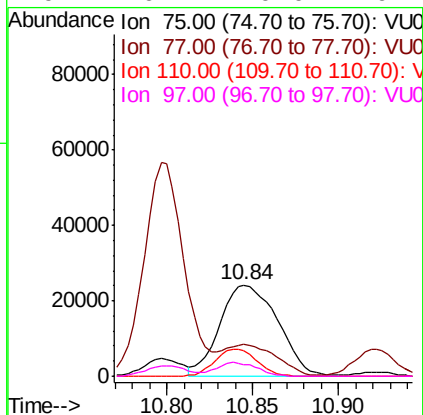
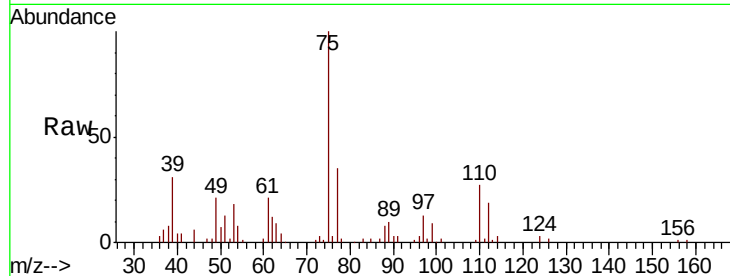




#71
 1,2,3-Trichloropropane
 Concen: 2.770 ug/l
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

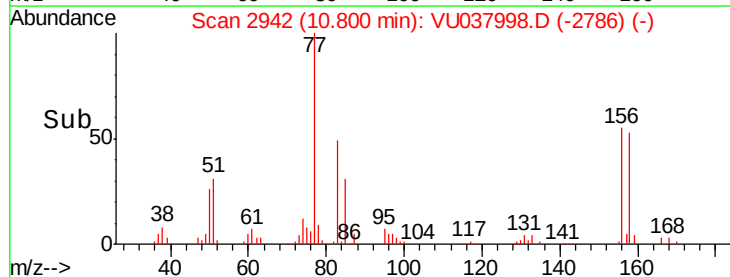
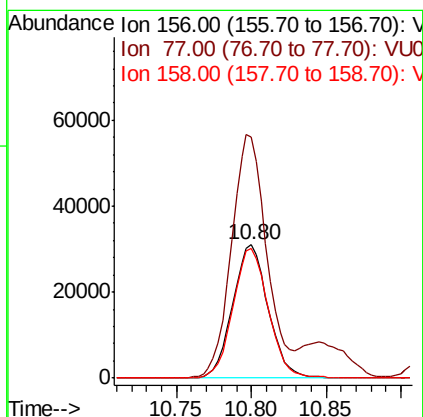
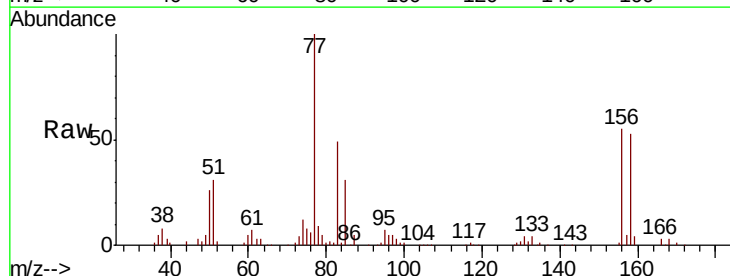
Instrument :
 MSVOA_U
 ClientSampleId :

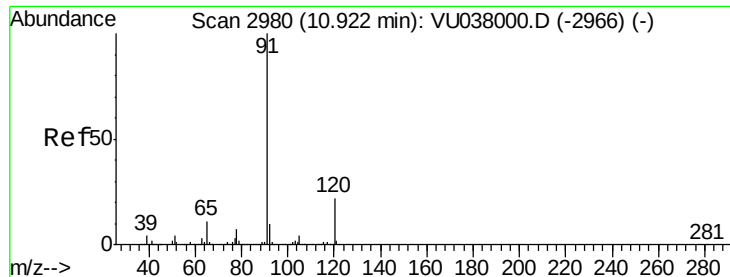
Tot Ion:	75	Resp:	56737
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	108.6
110	21.6	0.0	79.4
97	10.7	0.0	40.4



#72
 Bromobenzene
 Concen: 1.738 ug/l
 RT: 10.80 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion:	156	Resp:	51227
Ion	Ratio	Lower	Upper
156	100		
77	182.2	0.0	355.6
158	96.7	0.0	194.0





#73

n-propylbenzene

Concen: 1.890 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

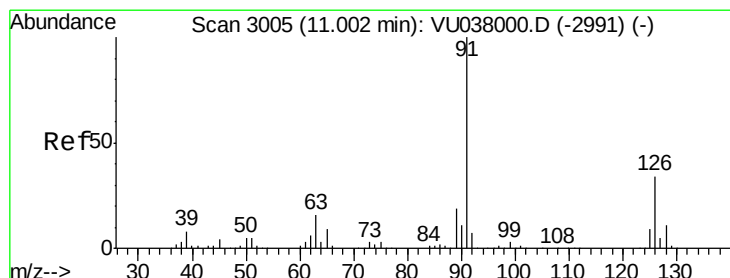
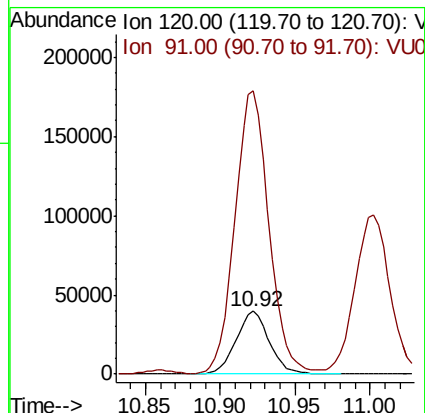
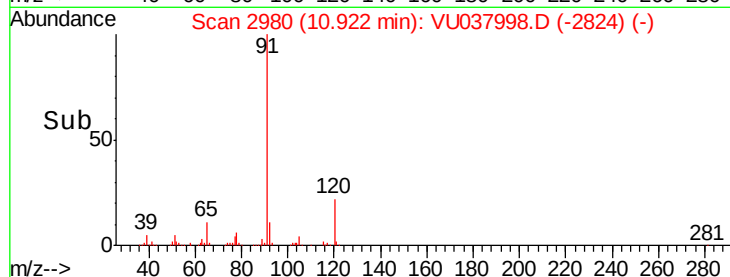
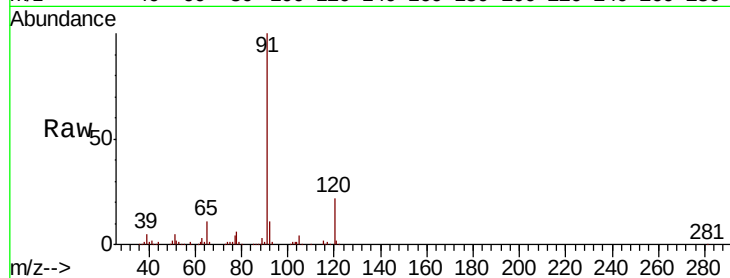
ClientSampled :

Tot Ion:120 Resp: 61180

Ion Ratio Lower Upper

120 100

91 458.7 355.4 533.0



#74

2-Chlorotoluene

Concen: 1.818 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU037998.D

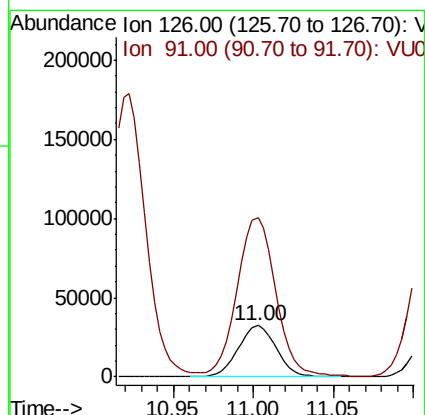
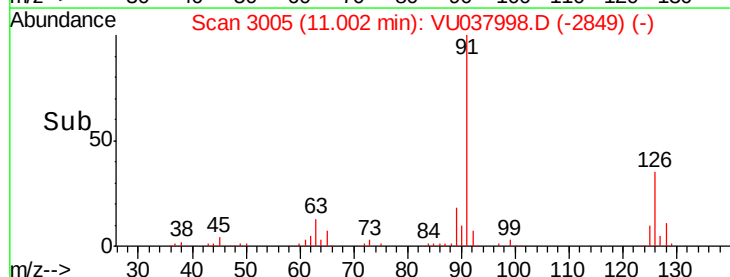
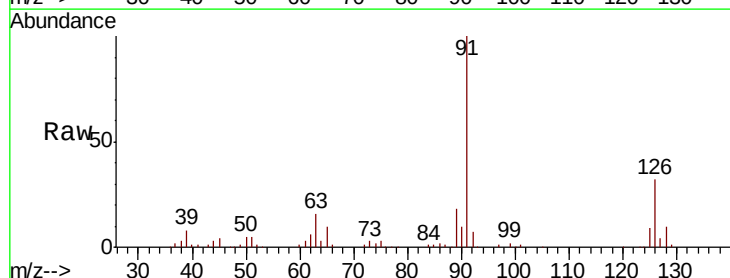
Acq: 04 May 2020 11:44

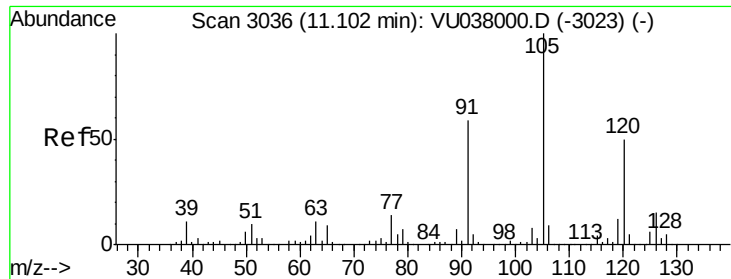
Tgt Ion:126 Resp: 52648

Ion Ratio Lower Upper

126 100

91 314.9 0.0 625.8





#75

1,3,5-Trimethylbenzene

Concen: 1.786 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

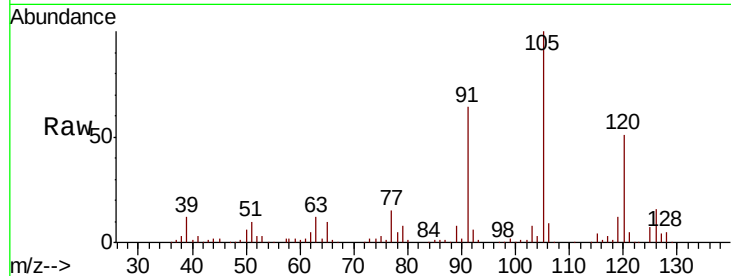
ClientSampleId :

Tot Ion:105 Resp: 186426

Ion Ratio Lower Upper

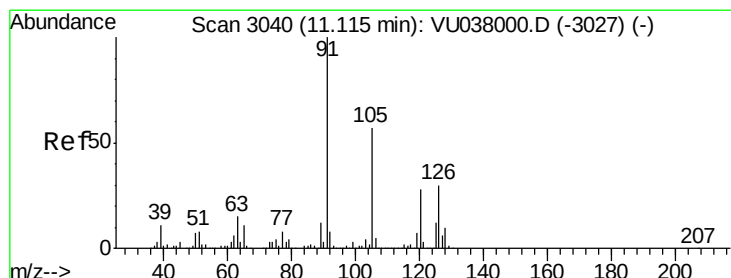
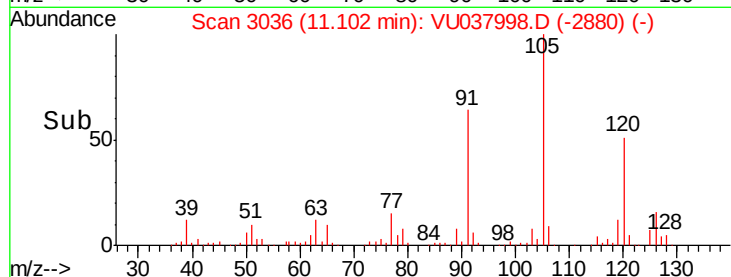
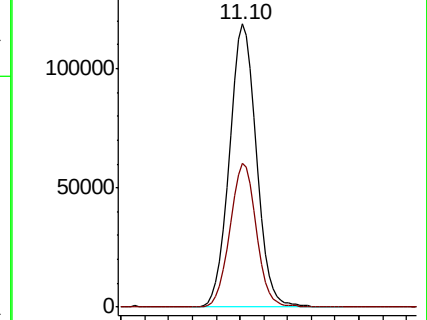
105 100

120 49.6 39.8 59.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.843 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU037998.D

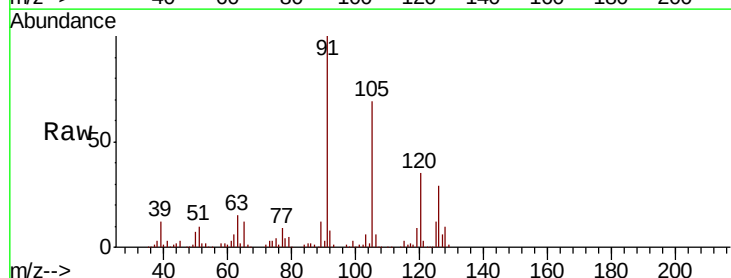
Acq: 04 May 2020 11:44

Tgt Ion:126 Resp: 54010

Ion Ratio Lower Upper

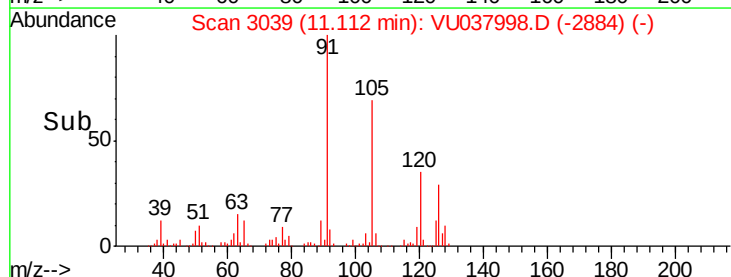
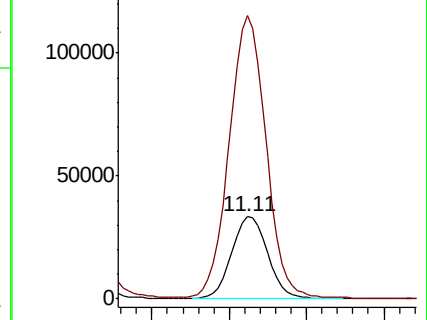
126 100

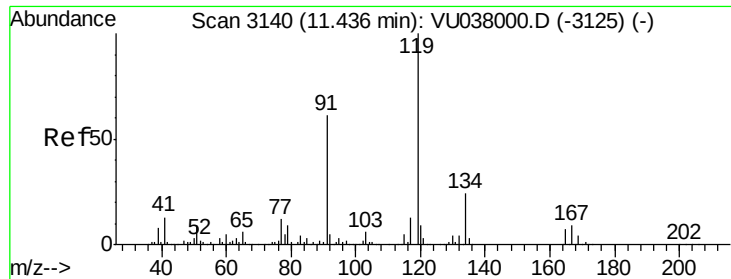
91 354.7 0.0 698.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

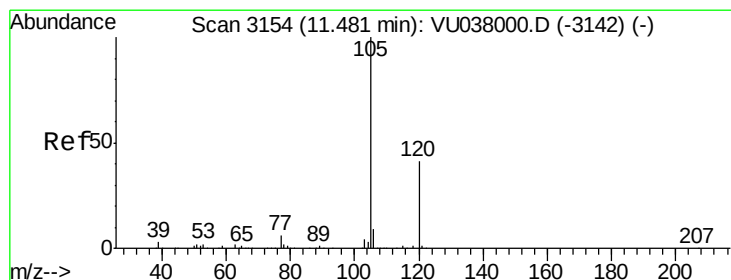
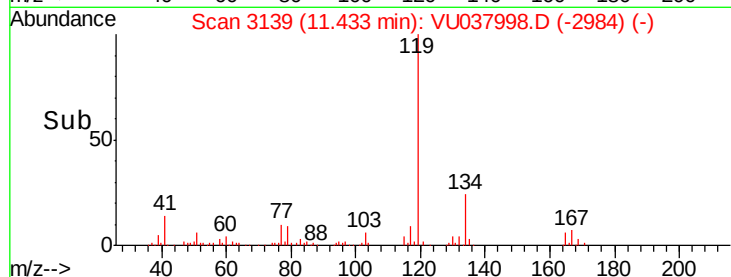
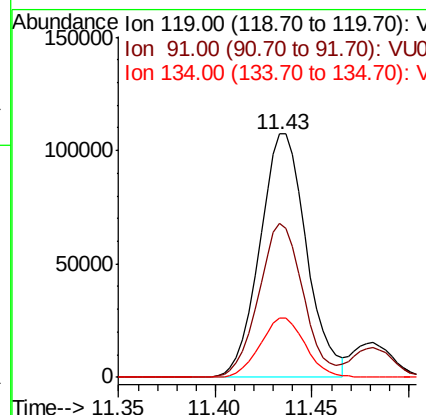
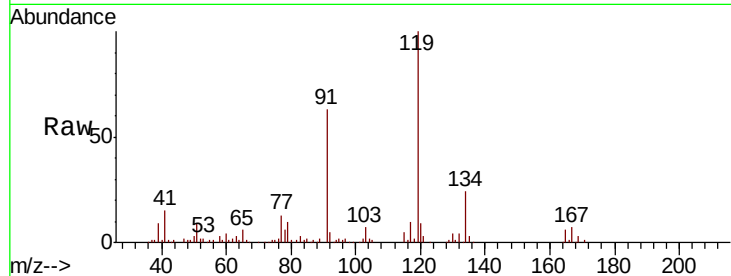




#77
 tert-Butylbenzene
 Concen: 1.775 ug/l
 RT: 11.43 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

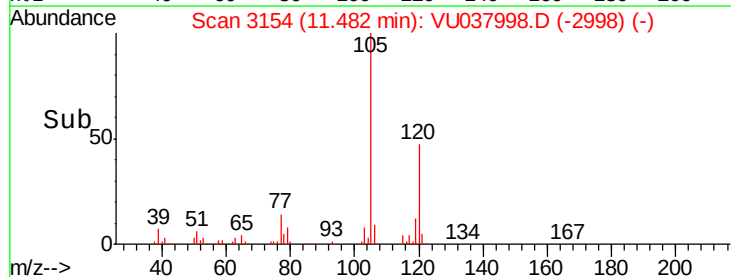
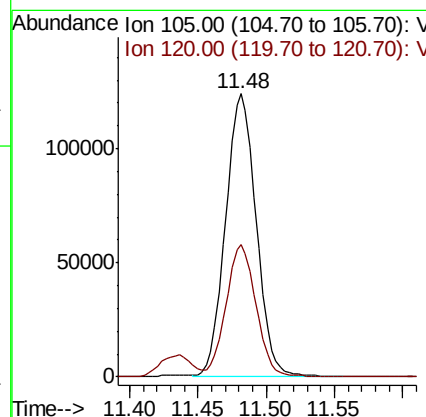
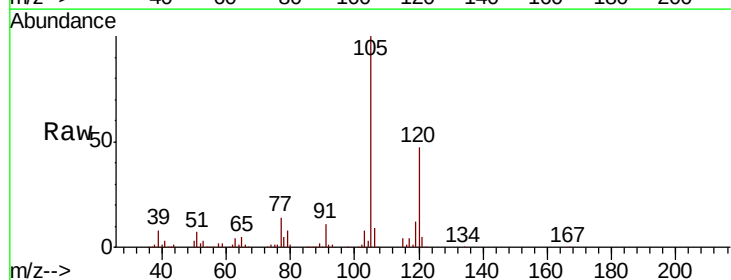
Instrument :
 MSVOA_U
 ClientSampled :

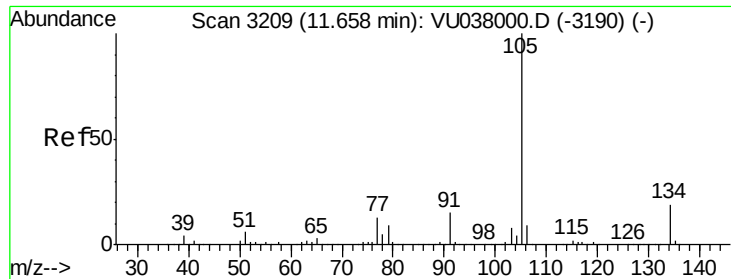
Tot Ion:119 Resp: 180711
 Ion Ratio Lower Upper
 119 100
 91 60.0 30.1 90.5
 134 23.6 19.0 28.6



#78
 1,2,4-Trimethylbenzene
 Concen: 1.846 ug/l
 RT: 11.48 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion:105 Resp: 194117
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.4 70.0





#79

sec-Butylbenzene

Concen: 1.851 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

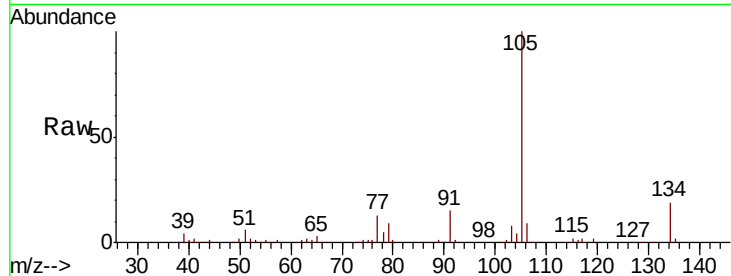
ClientSampleId :

Tot Ion: 105 Resp: 258252

Ion Ratio Lower Upper

105 100

134 18.8 15.4 23.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.66

150000

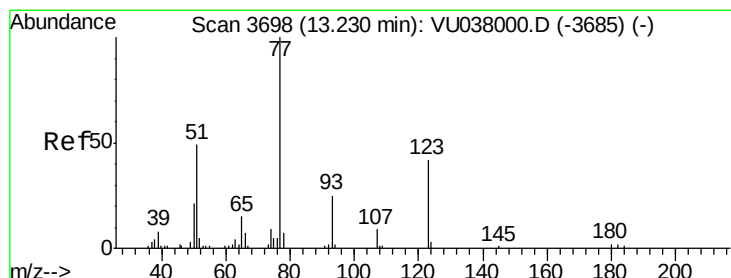
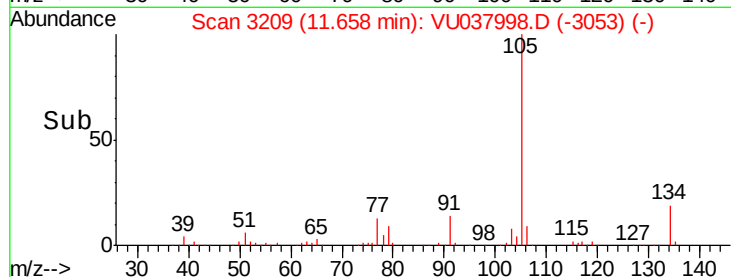
100000

50000

0

Time-->

11.60 11.70



#80

Nitrobenzene

Concen: 9.408 ug/l

RT: 13.23 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

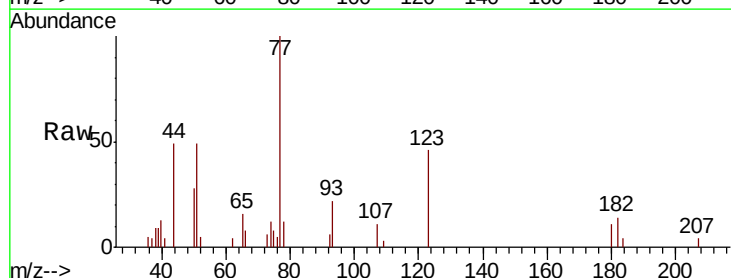
Tgt Ion: 77 Resp: 5570

Ion Ratio Lower Upper

77 100

123 41.8 17.6 62.6

65 13.7 13.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

4000

3000

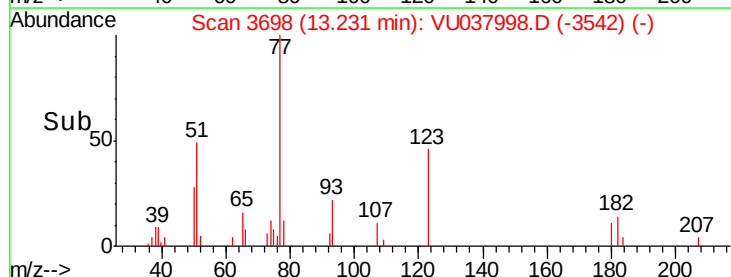
2000

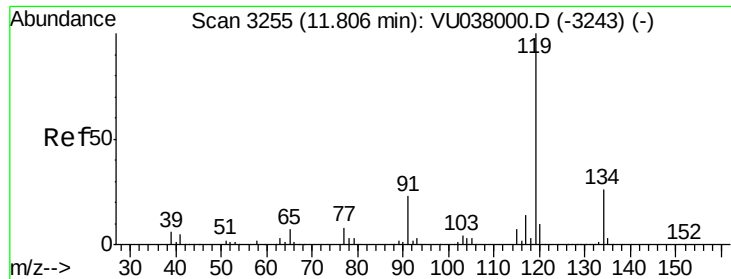
1000

0

Time-->

13.20 13.25

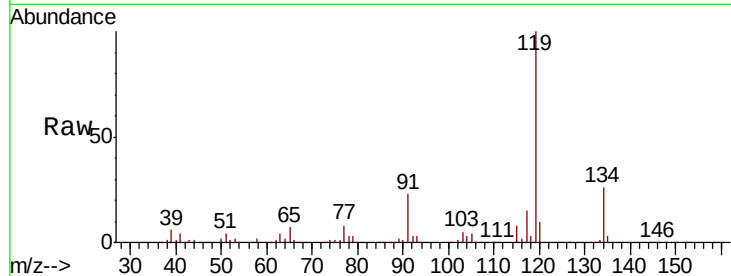




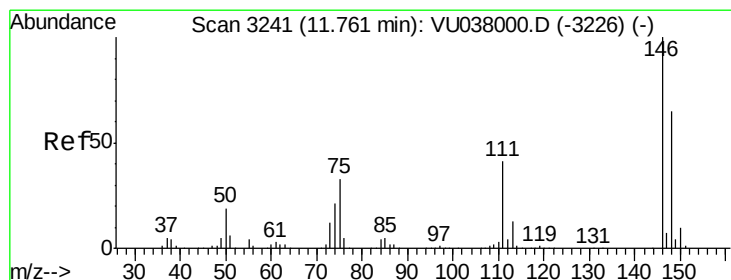
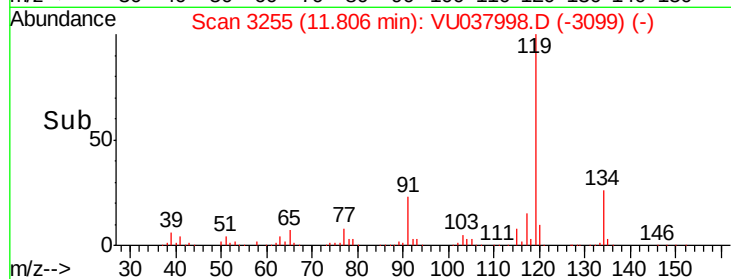
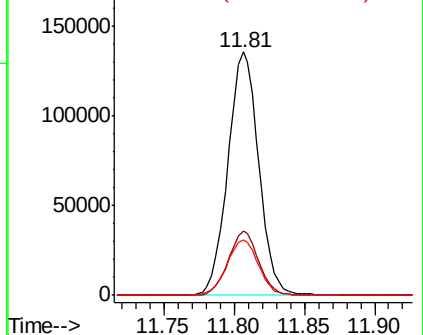
#81
 p-Isopropyltoluene
 Concen: 1.885 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	23.4	18.6	28.0

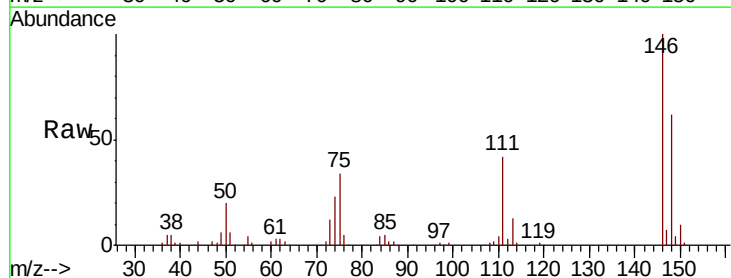


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

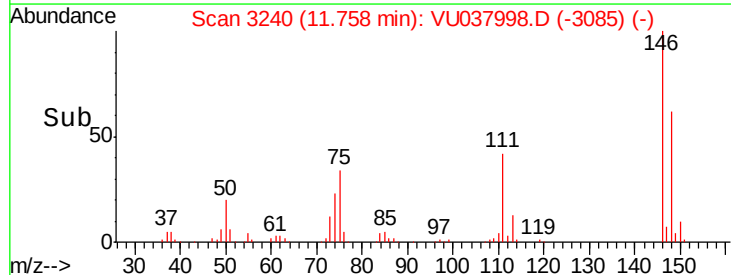
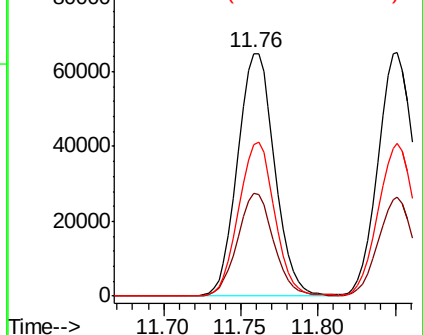


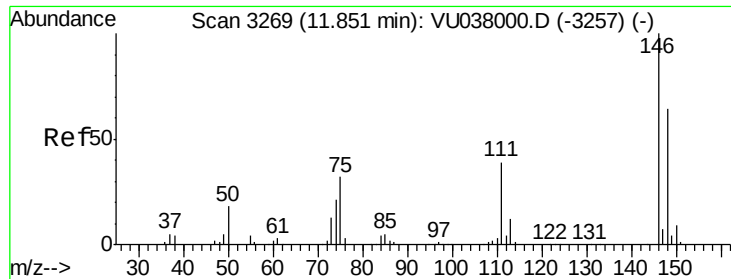
#82
 1,3-Dichlorobenzene
 Concen: 1.861 ug/l
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	33.0	49.4
148	61.6	51.4	77.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

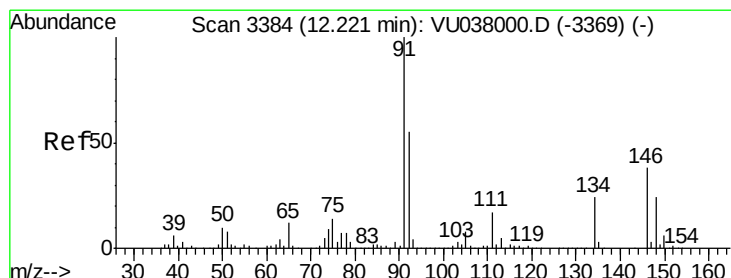
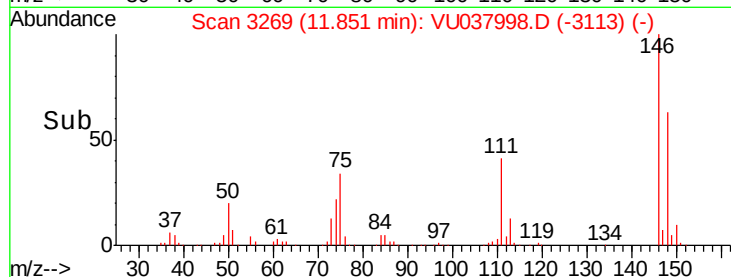
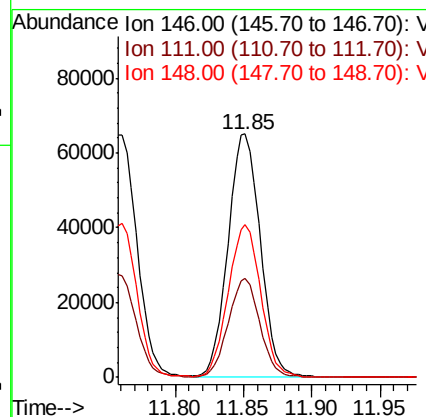
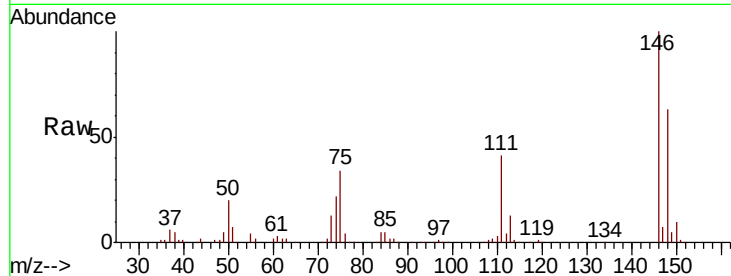




#83
 1,4-Dichlorobenzene
 Concen: 1.824 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

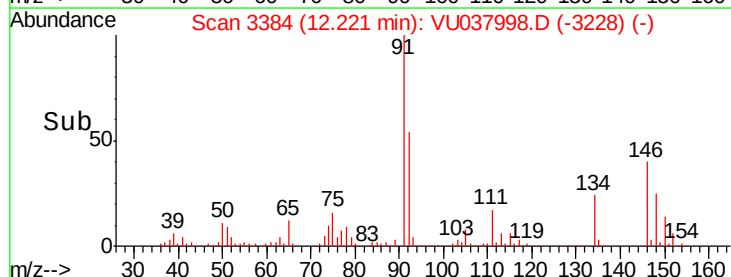
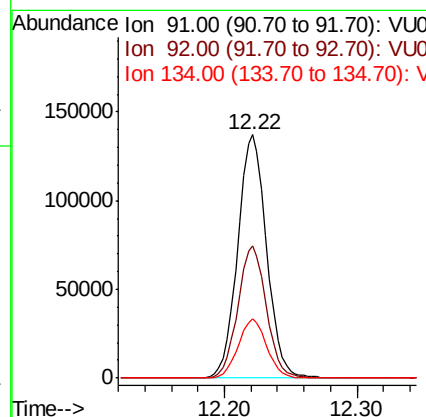
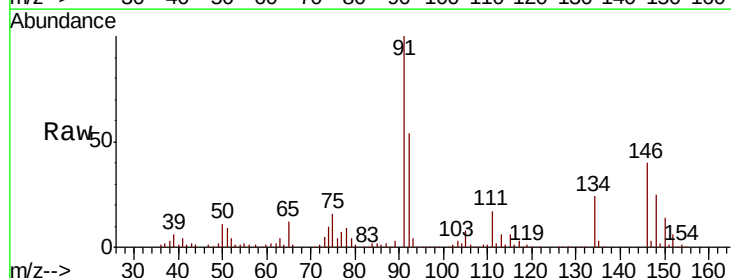
Instrument :
 MSVOA_U
 ClientSampled :

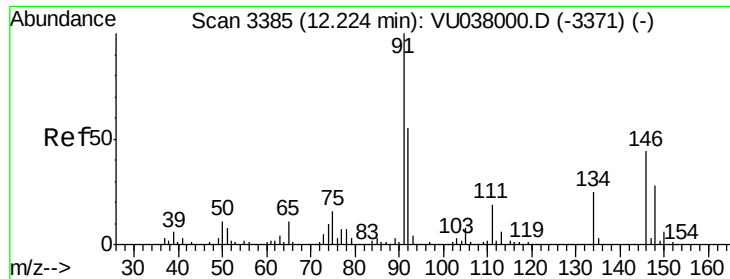
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	31.8	47.6
148	63.0	51.2	76.8



#84
 n-Butylbenzene
 Concen: 1.966 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.8	65.6
134	24.2	19.4	29.2

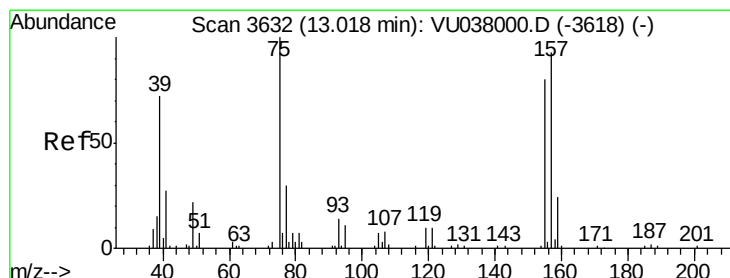
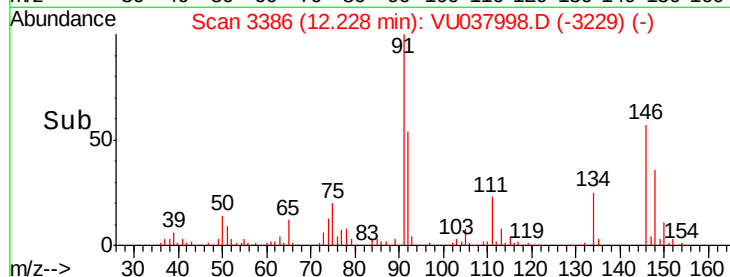
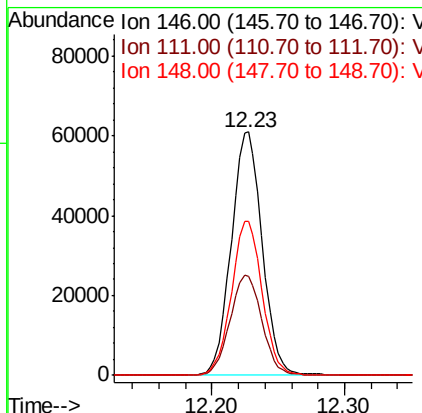
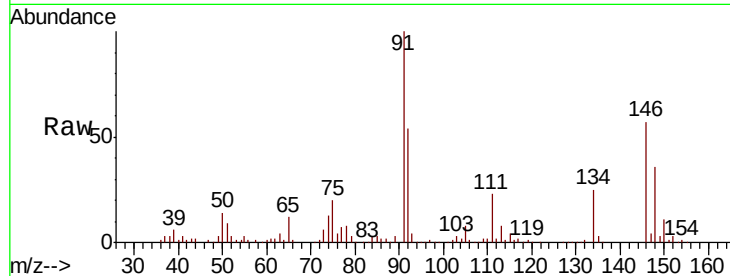




#85
 1,2-Dichlorobenzene
 Concen: 1.755 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

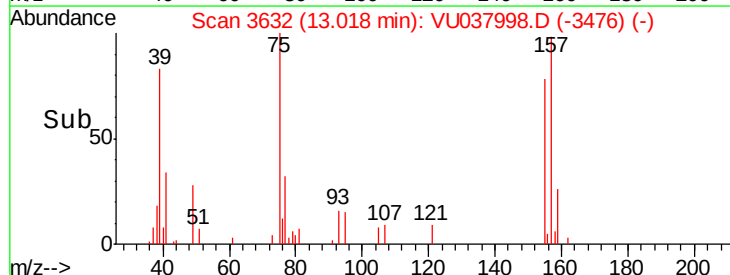
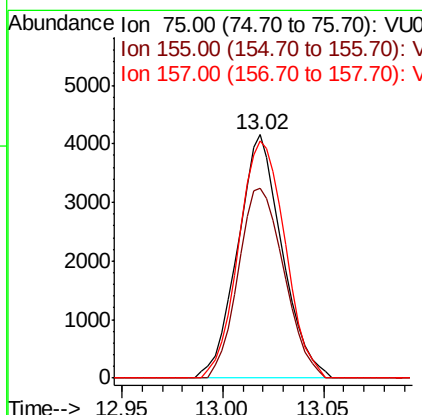
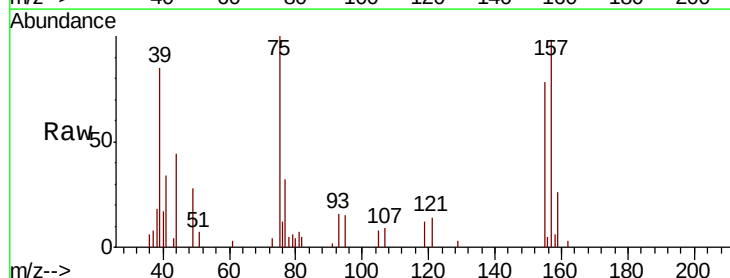
Instrument :
 MSVOA_U
 ClientSampled :

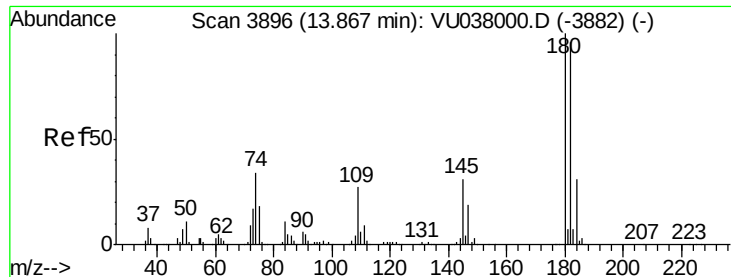
Tot Ion:146 Resp: 98636
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.9 65.8
 148 62.8 31.8 95.4



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.445 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion: 75 Resp: 6412
 Ion Ratio Lower Upper
 75 100
 155 80.4 60.9 91.3
 157 101.7 78.1 117.1

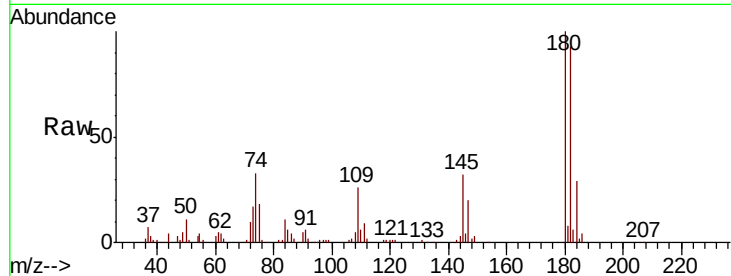




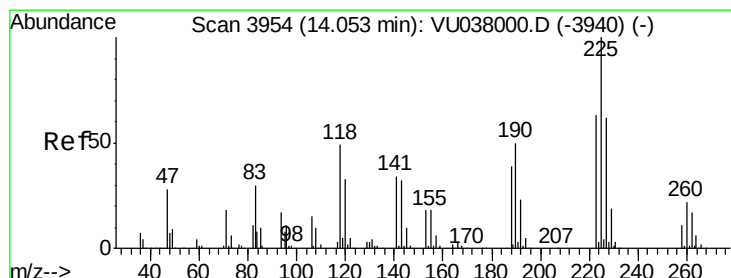
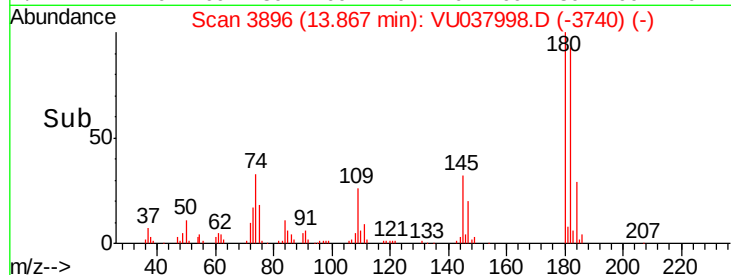
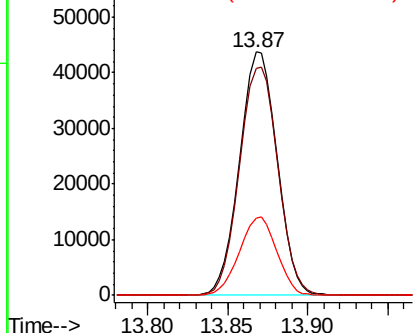
#87
 1,2,4-Trichlorobenzene
 Concen: 2.368 ug/l
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 70020
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.9 115.3
 145 31.9 24.7 37.1

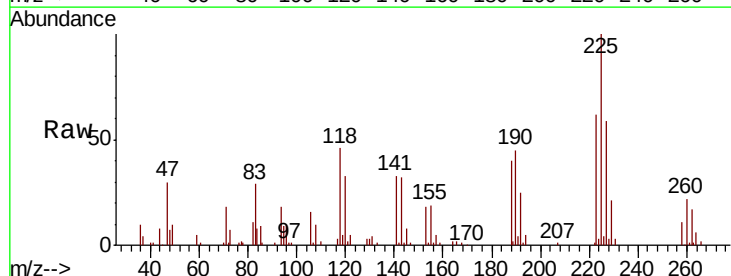


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

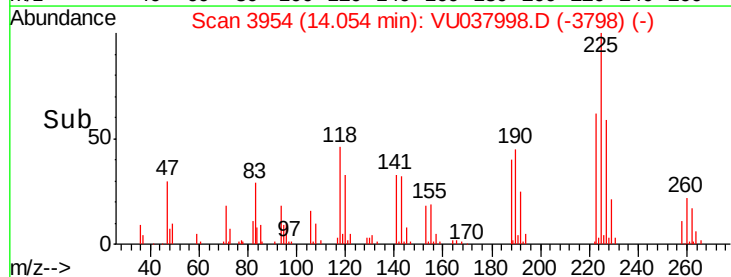
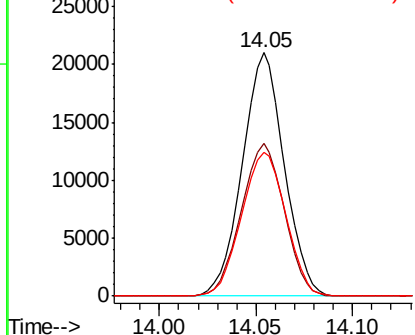


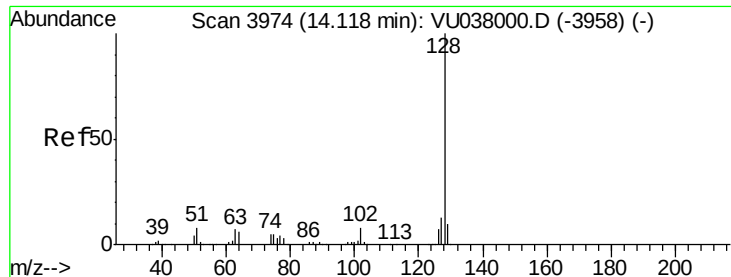
#88
 Hexachlorobutadiene
 Concen: 1.791 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VU037998.D
 Acq: 04 May 2020 11:44

Tgt Ion:225 Resp: 31632
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.3 76.9
 227 62.3 49.2 73.8



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 2.592 ug/l

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

Instrument :

MSVOA_U

ClientSampled :

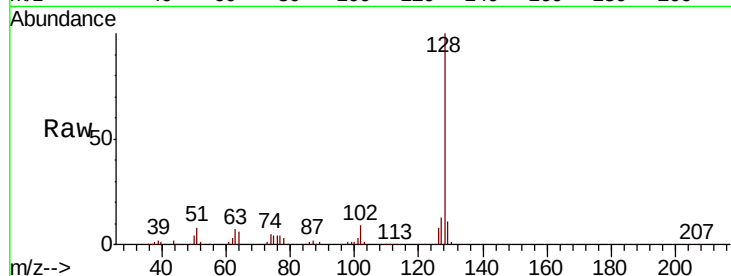
Tot Ion:128 Resp: 132865

Ion Ratio Lower Upper

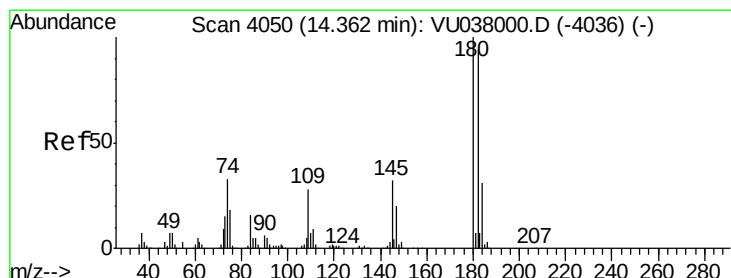
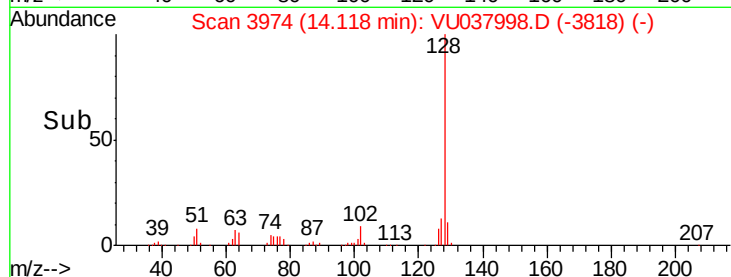
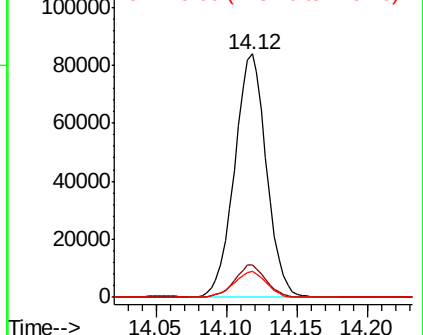
128 100

127 13.0 10.4 15.6

129 10.9 8.6 12.8



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: 2.198 ug/l

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037998.D

Acq: 04 May 2020 11:44

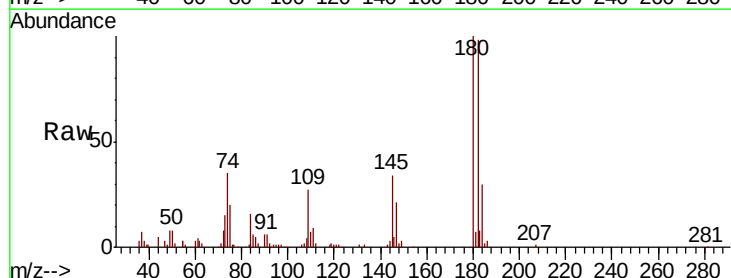
Tgt Ion:180 Resp: 62586

Ion Ratio Lower Upper

180 100

182 96.5 75.9 113.9

145 32.1 26.0 39.0



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

