

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027766.D
 Acq On : 23 Oct 2018 16:33
 Operator : MD/SY
 Sample : J5165-09 0.25ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 24 05:14:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	11393	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	4043	0.94	ug/l	0.00
Spiked Amount	1.000		Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	3960	0.97	ug/l	0.00
Spiked Amount	1.000		Recovery	=	97.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	1108	0.245	ug/l 87
3) Chloromethane	1.33	50	1385	0.286	ug/l 97
4) Vinyl Chloride	1.40	62	1171	0.259	ug/l 96
5) Bromomethane	1.64	94	641	0.270	ug/l 95
6) Chloroethane	1.70	64	870	0.355	ug/l 91
7) Trichlorofluoromethane	1.89	101	1338	0.243	ug/l 97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	725	0.250	ug/l # 90
9) 1,1-Dichloroethene	2.29	96	659	0.259	ug/l 91
10) Iodomethane	2.41	142	811	0.237	ug/l # 82
11) Allyl Chloride	2.60	41	1914	0.318	ug/l 91
12) Acrylonitrile	2.94	53	167	0.216	ug/l # 1
13) Acetone	2.34	43	1813	2.565	ug/l 93
14) Carbon Disulfide	2.48	76	2458	0.260	ug/l # 90
15) Methylene Chloride	2.70	84	869	0.271	ug/l 91
16) trans-1,2-Dichloroethene	2.98	96	839	0.297	ug/l # 79
17) 1,1-Dichloroethane	3.45	63	1562	0.250	ug/l # 86
18) 2-Butanone	4.30	43	866	0.738	ug/l 79
19) Cyclohexane	5.00	56	1661	0.297	ug/l # 84
20) Methylcyclohexane	6.42	83	1405	0.248	ug/l 85
21) 2,2-Dichloropropane	4.22	77	1539	0.279	ug/l # 63
22) cis-1,2-Dichloroethene	4.23	96	926	0.273	ug/l 51
23) Diethyl Ether	2.11	59	650	0.269	ug/l # 84
24) tert-Butyl Alcohol	2.85	59	101	0.392	ug/l # 1
25) Methyl tert-Butyl Ether	3.01	73	2237	0.276	ug/l # 46
26) Bromochloromethane	4.56	128	222	0.163	ug/l 56
27) Chloroform	4.68	83	1656	0.272	ug/l 78
28) 1,1,1-Trichloroethane	4.91	97	541	0.100	ug/l # 1
29) 1,1-Dichloropropene	5.13	75	1336	0.283	ug/l # 80
30) Carbon Tetrachloride	5.13	117	1106	0.229	ug/l 95
31) Isopropyl Ether	3.58	45	3016	0.268	ug/l 77
32) Ethyl-t-butyl ether	4.08	59	2628	0.263	ug/l # 72
33) Tert-Amyl methyl ether	5.58	73	2228	0.263	ug/l # 74
34) Propionitrile	4.37	54	170	0.608	ug/l # 1
35) Benzene	5.39	78	3648	0.276	ug/l 98
36) 1,2-Dichloroethane	5.42	62	1135	0.258	ug/l # 79
37) Trichloroethene	6.19	130	822	0.252	ug/l 89
38) 1,2-Dichloropropane	6.44	63	886	0.239	ug/l 92
39) Methacrylonitrile	4.55	41	164	0.106	ug/l # 57
40) Methyl acrylate	4.45	55	330	0.164	ug/l # 69
41) Tetrahydrofuran	4.67	42	530	0.621	ug/l # 40
42) 1-Chlorobutane	5.06	56	2086	0.280	ug/l 92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U0102318\
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 Sample : J5165-09 0.25ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

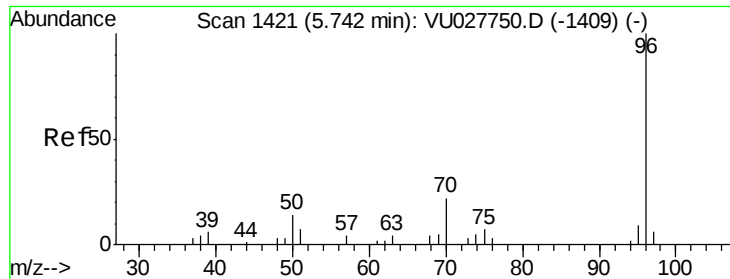
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 24 05:14:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

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

43) Dibromomethane	6.57	93	341	0.202	ug/l #	77
44) Bromodichloromethane	6.76	83	1192	0.260	ug/l #	95
45) 4-Methyl-2-Pentanone	7.47	43	3660	1.338	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.49	75	482	0.489	ug/l #	76
47) Methyl methacrylate	6.64	69	803	0.452	ug/l #	90
48) Ethyl methacrylate	8.03	69	835	0.226	ug/l	88
49) Toluene	7.64	92	2074	0.265	ug/l	95
50) t-1,3-Dichloropropene	7.89	75	1086	0.238	ug/l	100
51) cis-1,3-Dichloropropene	7.28	75	1319	0.246	ug/l #	90
52) 1,1,2-Trichloroethane	8.07	97	478	0.210	ug/l #	86
53) 1,3-Dichloropropane	8.25	76	1075	0.246	ug/l #	85
54) 2-Hexanone	8.38	43	2517	1.291	ug/l	91
55) Dibromochloromethane	8.48	129	682	0.238	ug/l #	69
56) 1,2-Dibromoethane	8.59	107	519	0.232	ug/l	91
58) Tetrachloroethene	8.23	164	729	0.237	ug/l #	74
59) Chlorobenzene	9.12	112	2234	0.266	ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.21	131	788	0.258	ug/l #	91
61) Pentachloroethane	11.10	117	544	0.239	ug/l	97
62) Hexachloroethane	12.14	117	581	0.232	ug/l #	76
63) Ethyl Benzene	9.25	91	4179	0.263	ug/l	91
64) m/p-Xylenes	9.38	106	2950	0.520	ug/l	100
65) o-Xylene	9.78	106	1353	0.240	ug/l	87
66) Styrene	9.79	104	2350	0.253	ug/l	98
67) Bromoform	9.96	173	231	0.139	ug/l #	84
69) Isopropylbenzene	10.17	105	4045	0.263	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	743	0.245	ug/l #	91
71) 1,2,3-Trichloropropane	10.49	75	482	0.205	ug/l #	70
72) Bromobenzene	10.46	156	813	0.237	ug/l	82
73) n-propylbenzene	10.59	120	984	0.248	ug/l	80
74) 2-Chlorotoluene	10.66	126	851	0.250	ug/l	74
75) 1,3,5-Trimethylbenzene	10.77	105	3302	0.257	ug/l	97
76) 4-Chlorotoluene	10.78	126	818	0.237	ug/l	86
77) tert-Butylbenzene	11.10	119	3441	0.272	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	3451	0.261	ug/l	99
79) sec-Butylbenzene	11.33	105	4577	0.273	ug/l	92
81) p-Isopropyltoluene	11.48	119	3676	0.269	ug/l	92
82) 1,3-Dichlorobenzene	11.42	146	1847	0.272	ug/l	96
83) 1,4-Dichlorobenzene	11.51	146	1920	0.282	ug/l	94
84) n-Butylbenzene	11.89	91	3374	0.254	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	1690	0.261	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.48	75	152	0.270	ug/l #	24
87) 1,2,4-Trichlorobenzene	13.51	180	1226	0.260	ug/l	95
88) Hexachlorobutadiene	13.69	225	725	0.257	ug/l #	88
89) Naphthalene	13.75	128	1838	0.208	ug/l #	75
90) 1,2,3-Trichlorobenzene	13.99	180	976	0.218	ug/l #	83

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1422

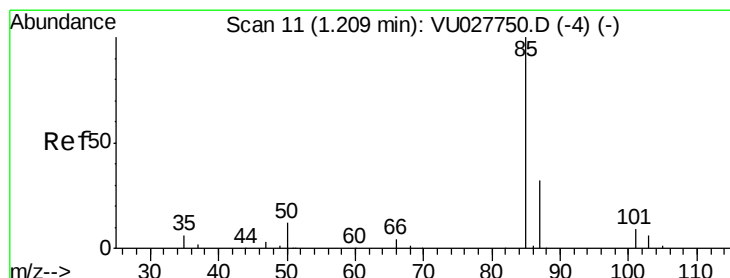
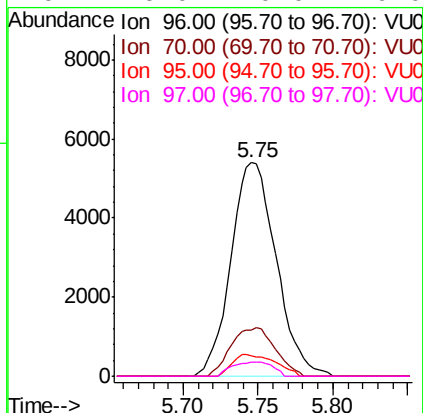
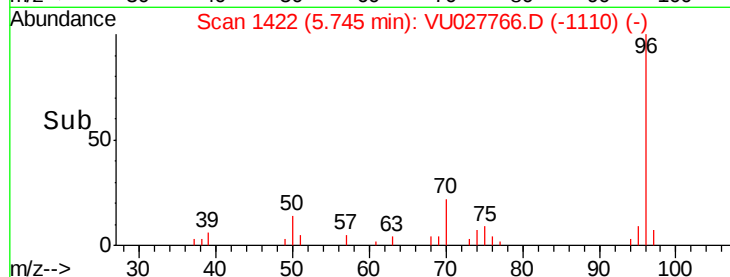
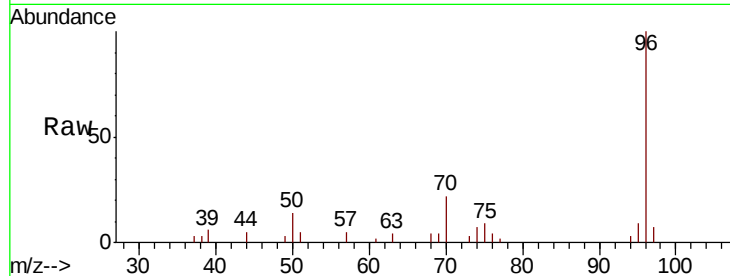
Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	96	Resp:	11393
Ion	Ratio	Lower	Upper
96	100		
70	22.3	17.7	26.5
95	9.7	7.0	10.6
97	6.0	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 0.245 ug/l

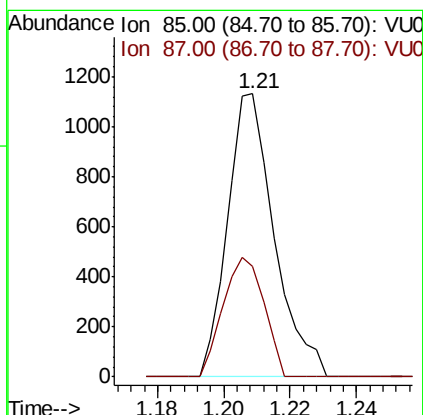
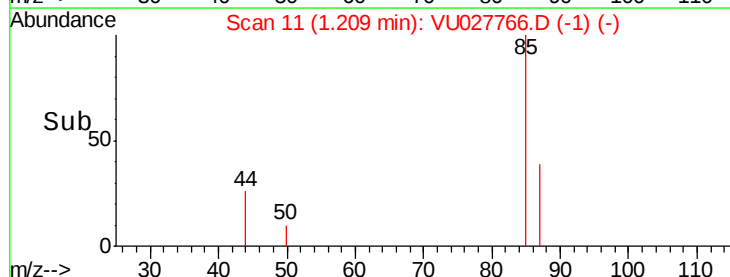
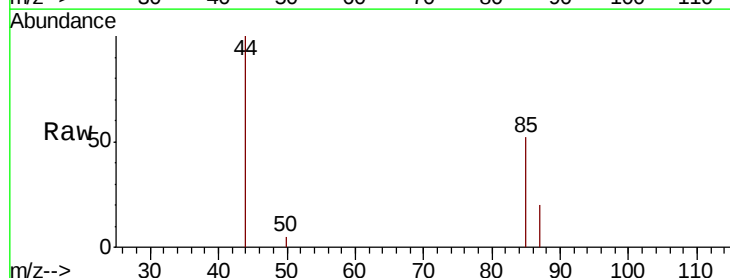
RT: 1.21 min Scan# 11

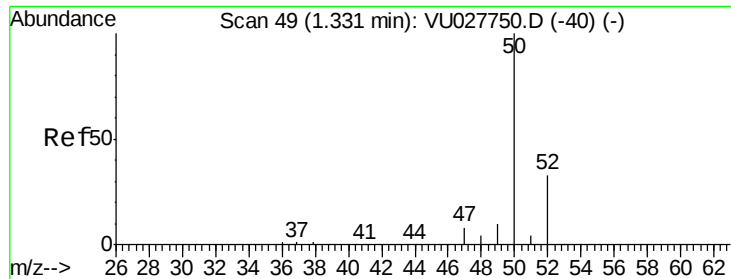
Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Tgt Ion:	85	Resp:	1108
Ion	Ratio	Lower	Upper
85	100		
87	39.0	15.9	47.6

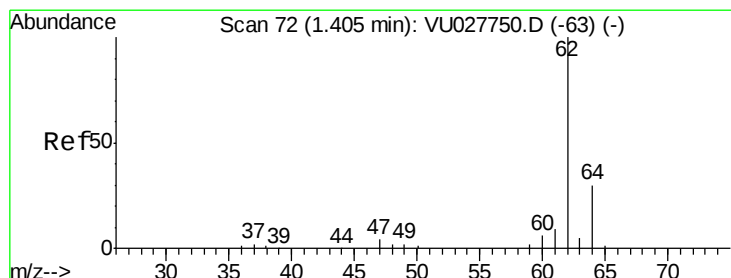
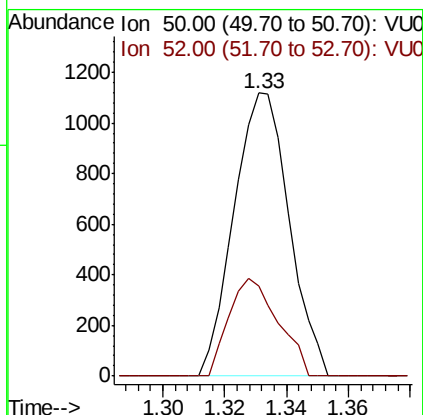
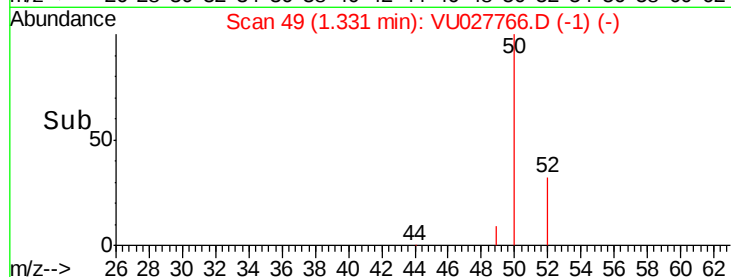
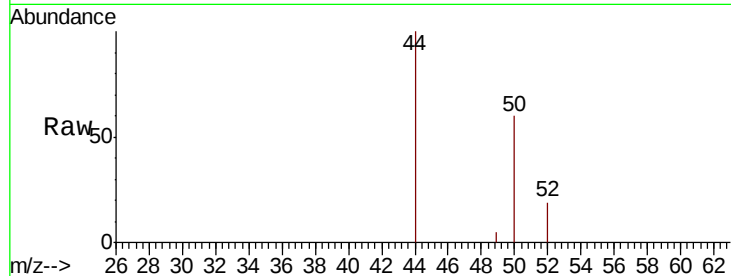




#3
Chloromethane
Concen: 0.286 ug/l
RT: 1.33 min Scan# 49
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

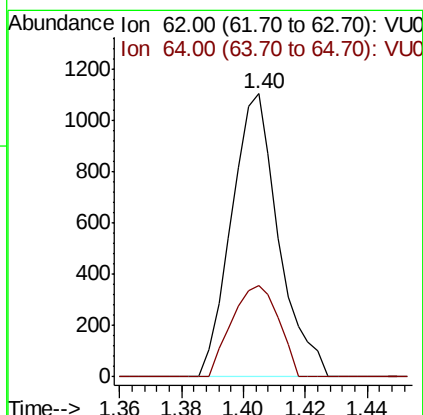
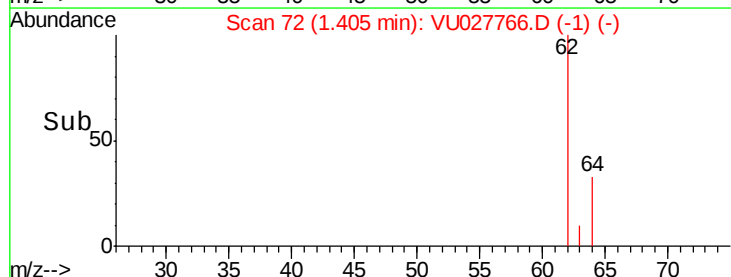
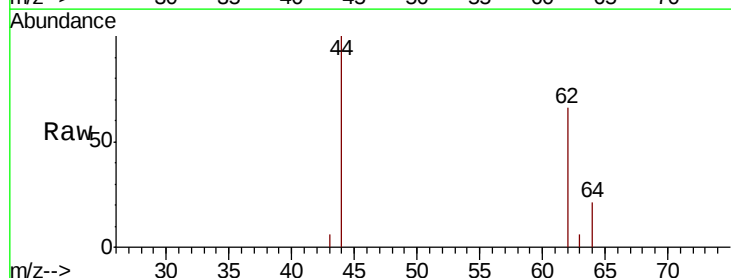
Instrument :
MSVOA_U
ClientSampleId :

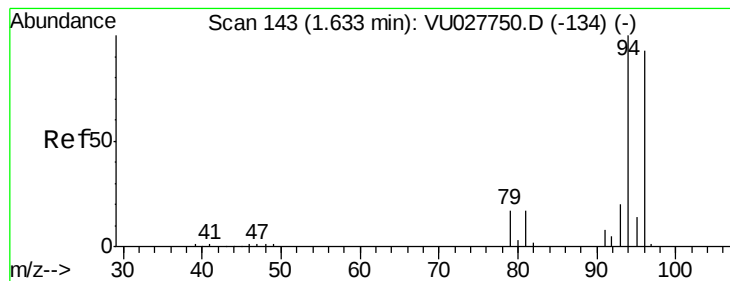
Tot Ion: 50 Resp: 1385
Ion Ratio Lower Upper
50 100
52 31.8 26.6 40.0



#4
Vinyl Chloride
Concen: 0.259 ug/l
RT: 1.40 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 62 Resp: 1171
Ion Ratio Lower Upper
62 100
64 32.5 24.3 36.5





#5

Bromomethane

Concen: 0.270 ug/l

RT: 1.64 min Scan# 144

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

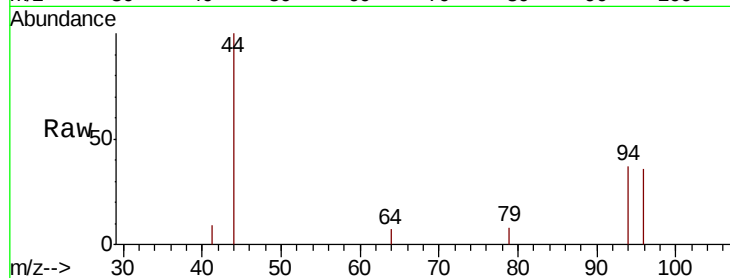
ClientSampleId :

Tot Ion: 94 Resp: 641

Ion Ratio Lower Upper

94 100

96 97.5 74.2 111.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

600

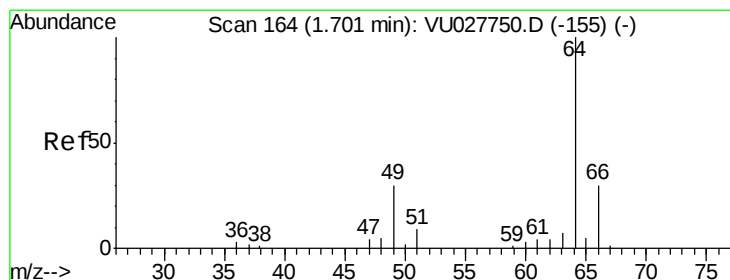
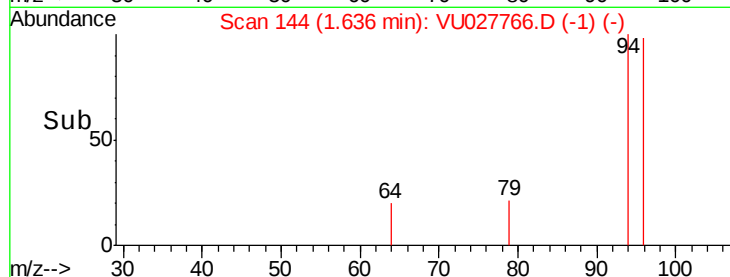
400

200

0

1.60 1.62 1.64 1.66

Time-->



#6

Chloroethane

Concen: 0.355 ug/l

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027766.D

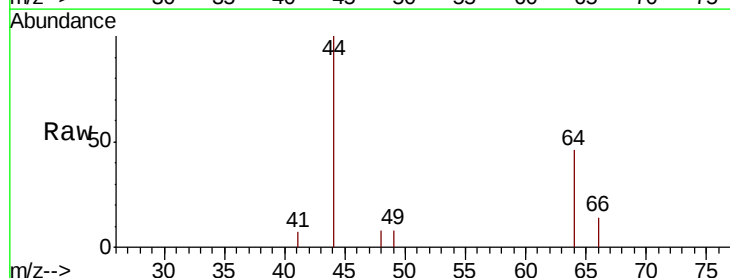
Acq: 23 Oct 2018 16:33

Tgt Ion: 64 Resp: 870

Ion Ratio Lower Upper

64 100

66 35.2 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

800

600

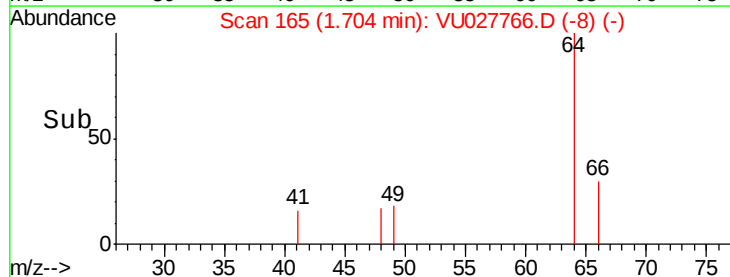
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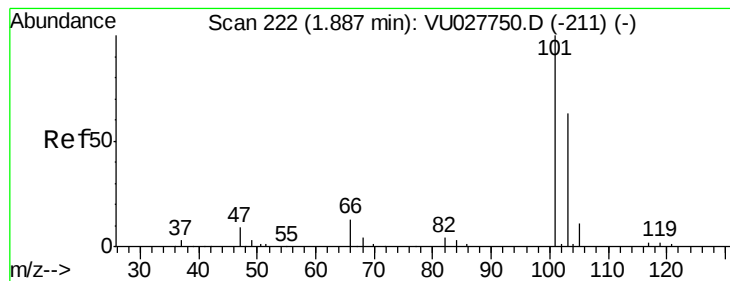
200

0

1.70 1.75

Time-->



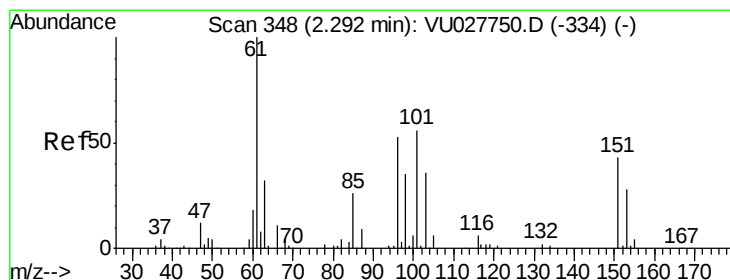
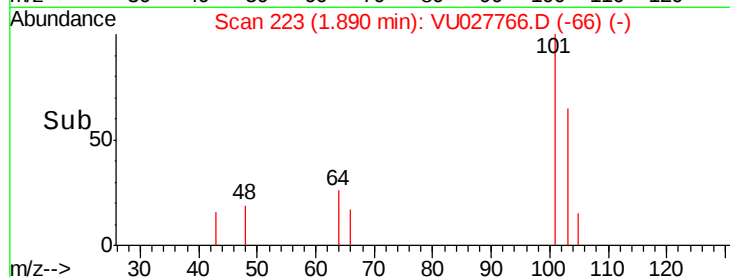
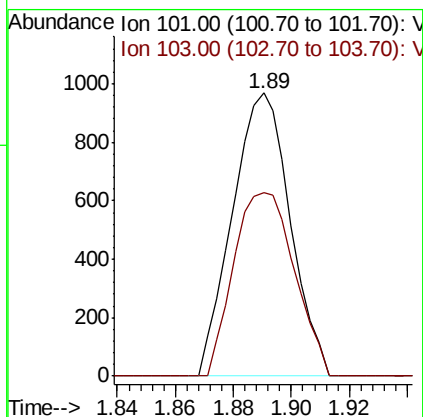
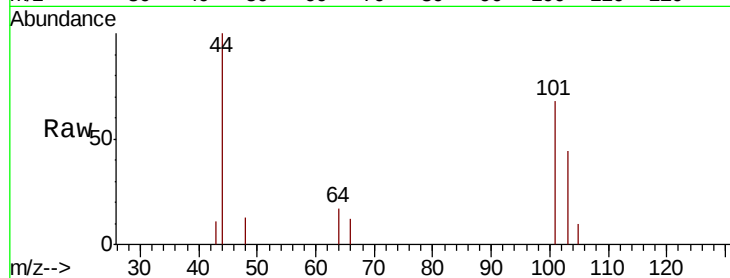


#7

Trichlorofluoromethane
 Concen: 0.243 ug/l
 RT: 1.89 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Instrument :
 MSVOA_U
 ClientSampled :

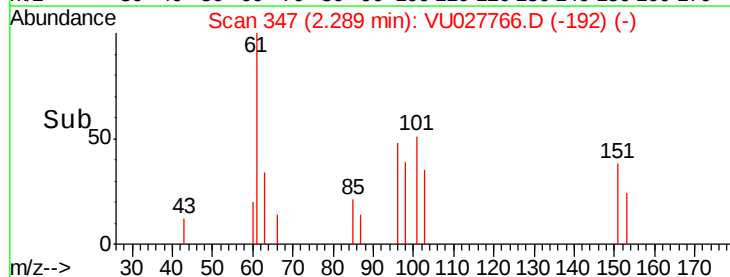
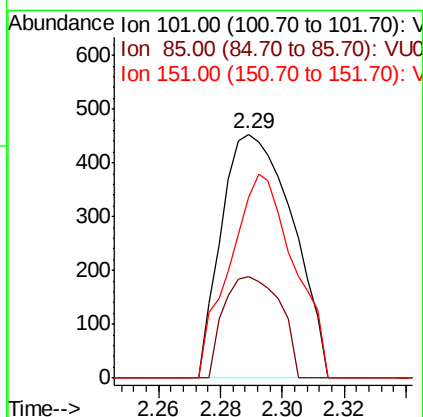
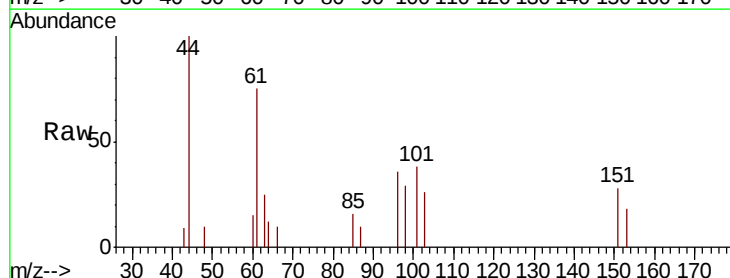
Tot Ion:101 Resp: 1338
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.2 75.2

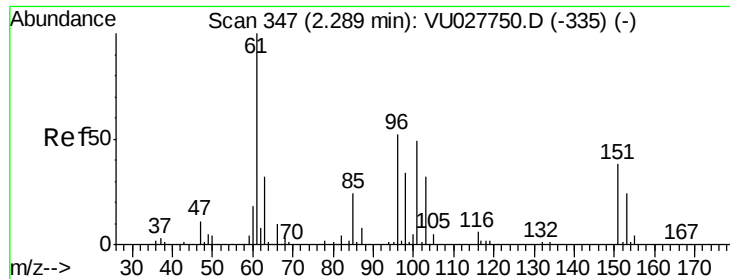


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.250 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion:101 Resp: 725
 Ion Ratio Lower Upper
 101 100
 85 33.0 38.2 57.2#
 151 75.6 61.8 92.8





#9

1,1-Dichloroethene

Concen: 0.259 ug/l

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :
MSVOA_U
ClientSampled :

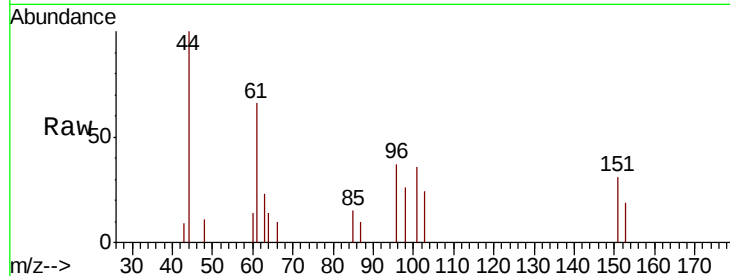
Tot Ion: 96 Resp: 659

Ion Ratio Lower Upper

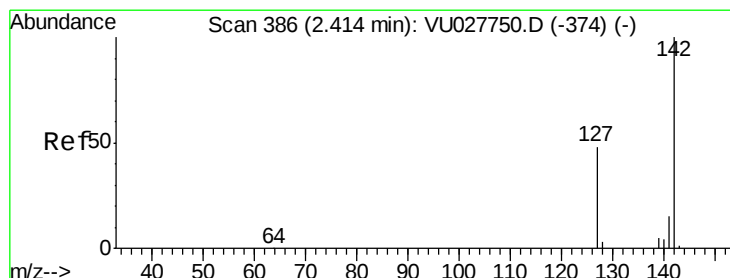
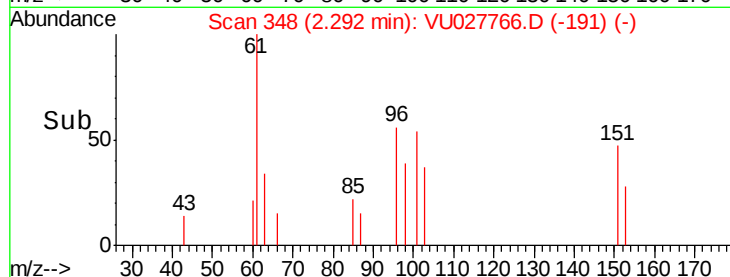
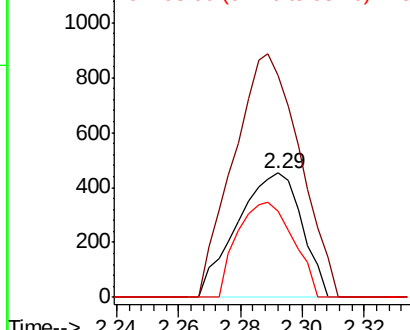
96 100

61 178.1 0.0 581.4

98 69.8 0.0 131.2



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



#10

Iodomethane

Concen: 0.237 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU027766.D

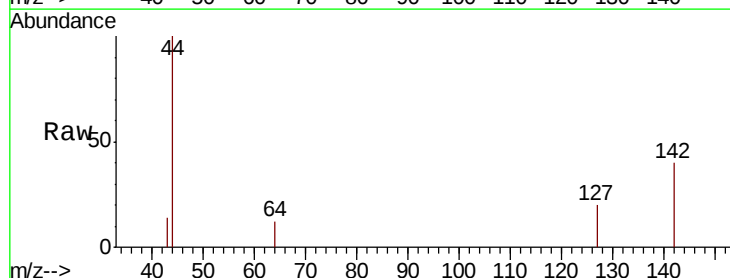
Acq: 23 Oct 2018 16:33

Tgt Ion:142 Resp: 811

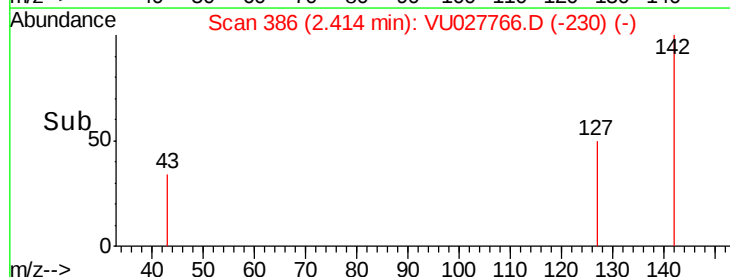
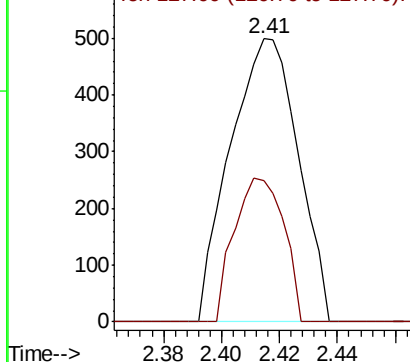
Ion Ratio Lower Upper

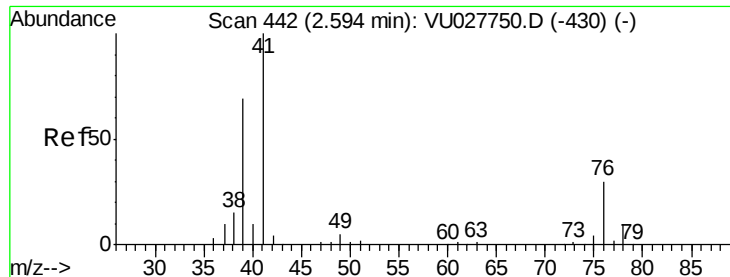
142 100

127 36.9 39.2 58.8#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

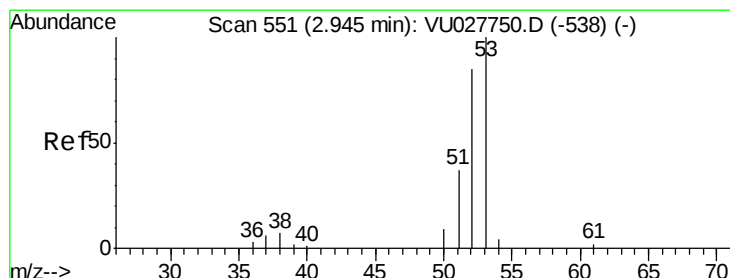
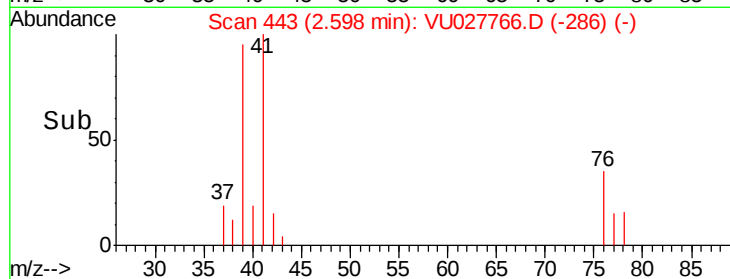
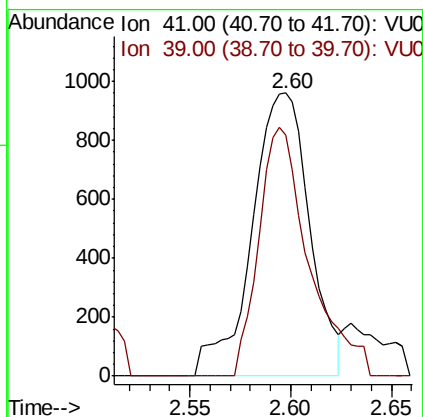
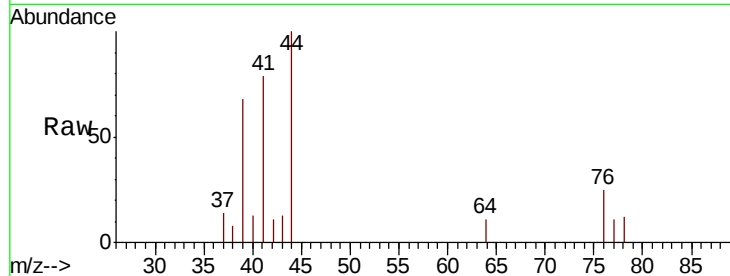




#11
Allvl Chloride
Concen: 0.318 ug/l
RT: 2.60 min Scan# 443
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

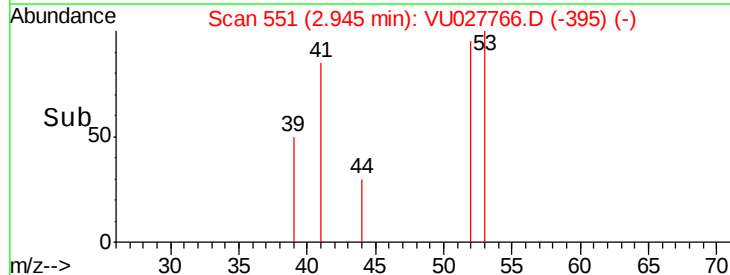
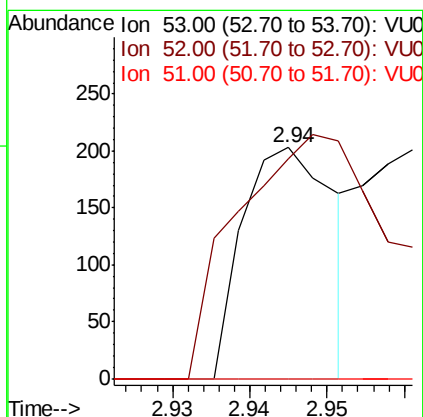
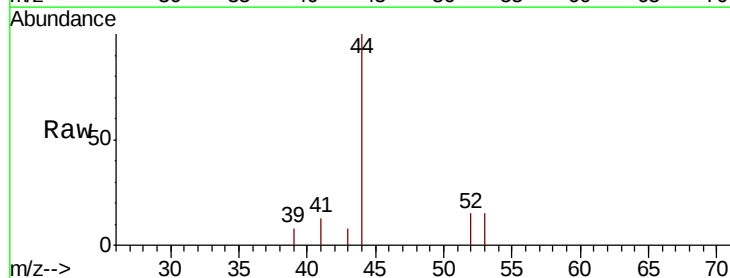
Instrument :
MSVOA_U
ClientSampleId :

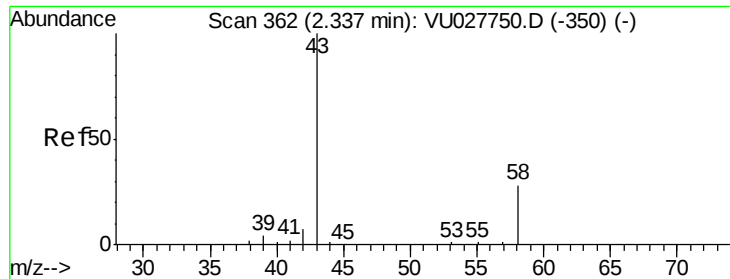
Tot Ion: 41 Resp: 1914
Ion Ratio Lower Upper
41 100
39 76.6 55.4 83.0



#12
Acrylonitrile
Concen: 0.216 ug/l
RT: 2.94 min Scan# 551
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 53 Resp: 167
Ion Ratio Lower Upper
53 100
52 195.8 67.9 101.9#
51 0.0 30.0 45.0#





#13

Acetone

Concen: 2.565 ug/l

RT: 2.34 min Scan# 364

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

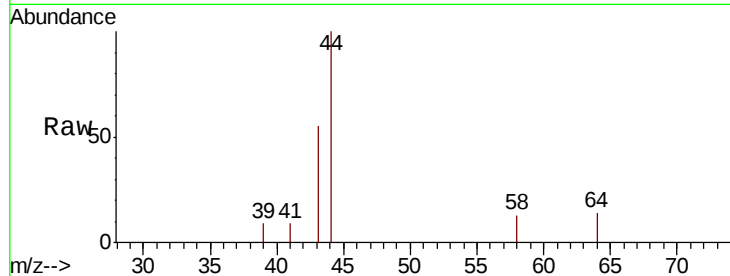
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1813

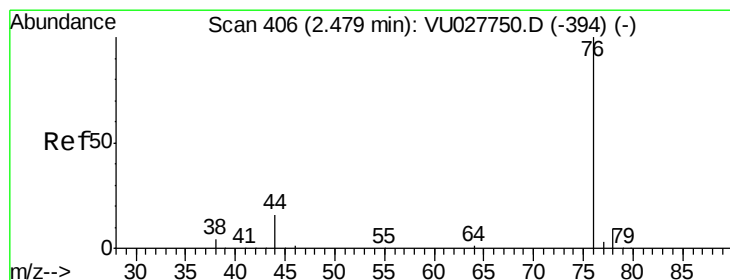
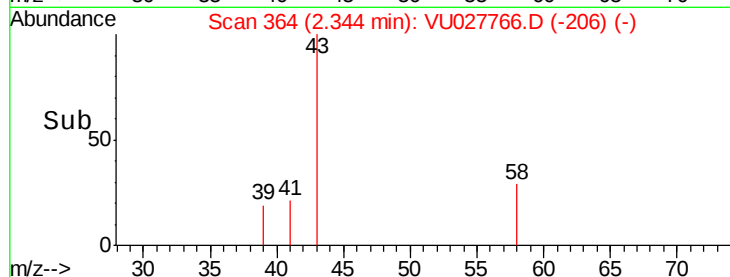
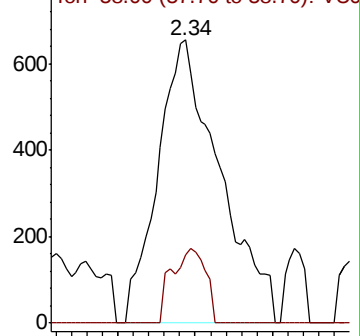
Ion Ratio Lower Upper

43 100

58 24.2 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU027750.D (-350) (-)



#14

Carbon Disulfide

Concen: 0.260 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027766.D

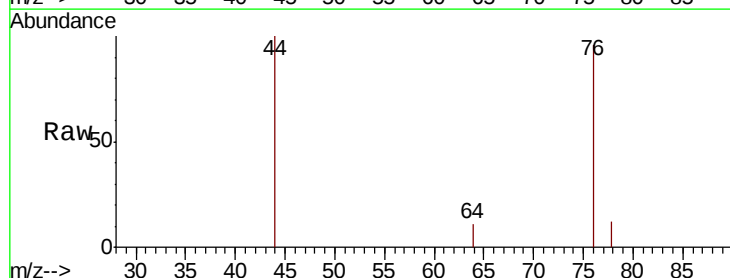
Acq: 23 Oct 2018 16:33

Tgt Ion: 76 Resp: 2458

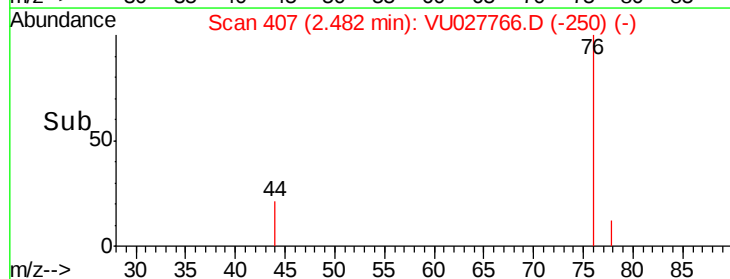
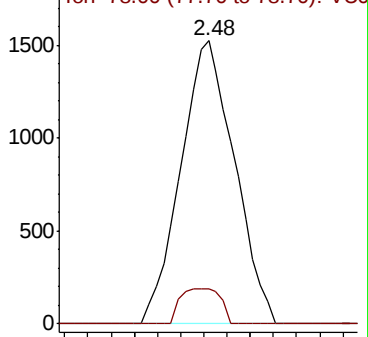
Ion Ratio Lower Upper

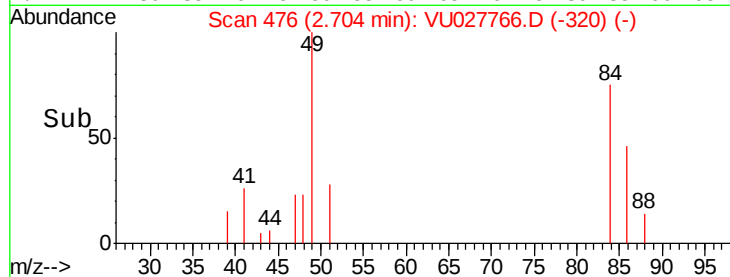
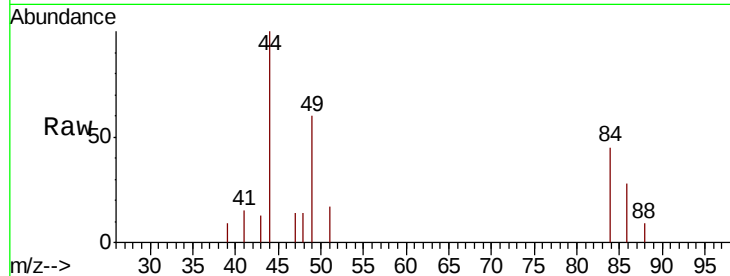
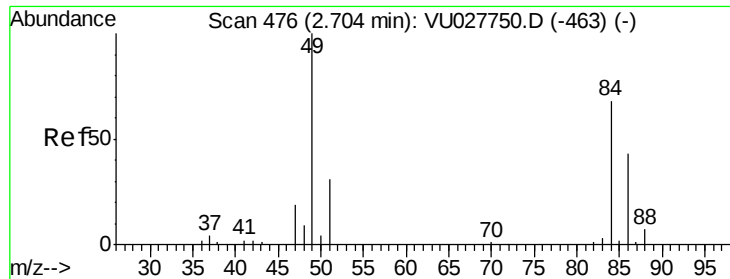
76 100

78 12.5 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VU027750.D (-394) (-)

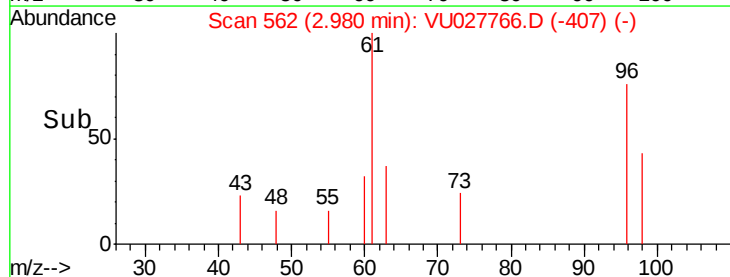
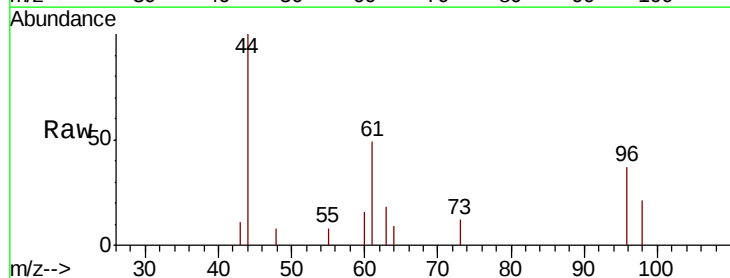
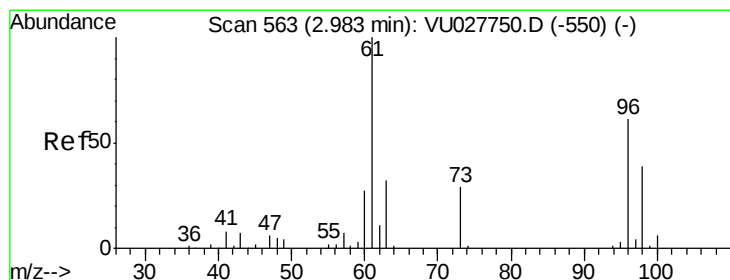
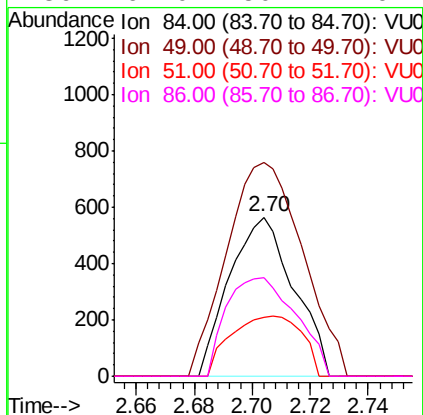




#15
Methylene Chloride
Concen: 0.271 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

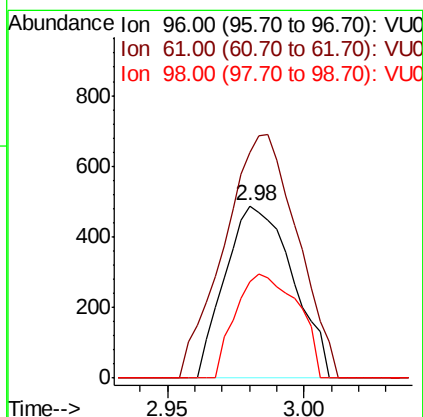
Instrument :
MSVOA_U
ClientSampleId :

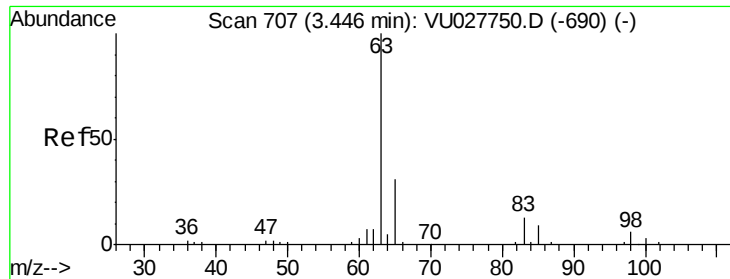
Tot Ion:	84	Resp:	869
Ion	Ratio	Lower	Upper
84	100		
49	134.1	118.5	177.7
51	37.3	0.0	91.0
86	62.0	50.7	76.1



#16
trans-1,2-Dichloroethene
Concen: 0.297 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion:	96	Resp:	839
Ion	Ratio	Lower	Upper
96	100		
61	130.7	131.8	197.6#
98	56.1	51.2	76.8

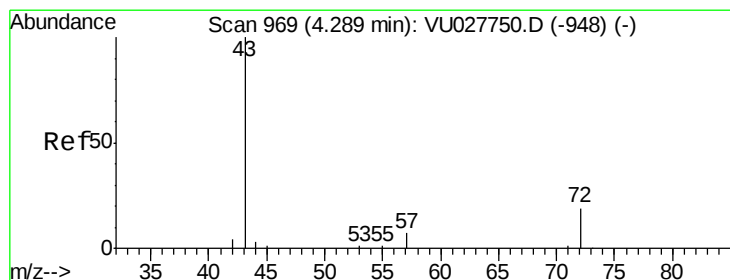
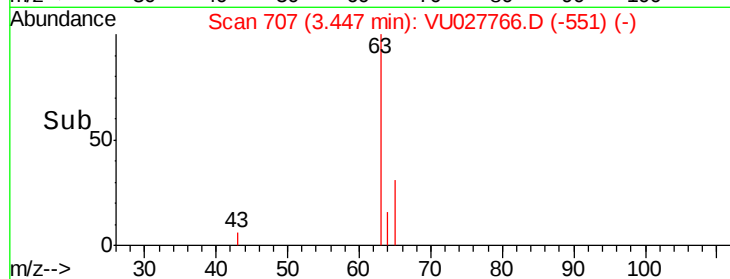
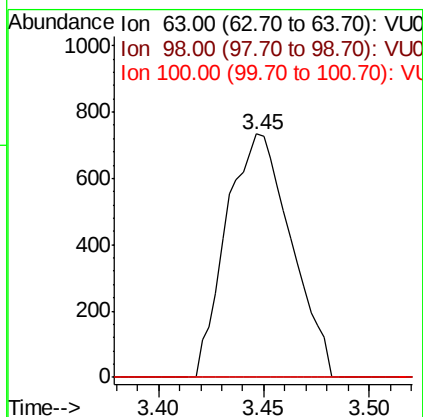
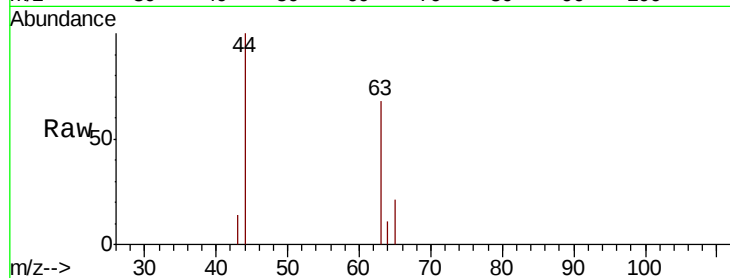




#17
 1,1-Dichloroethane
 Concen: 0.250 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

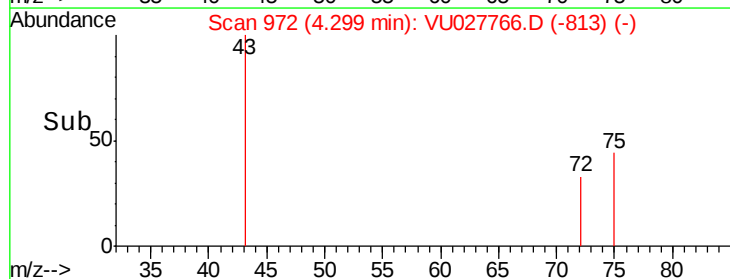
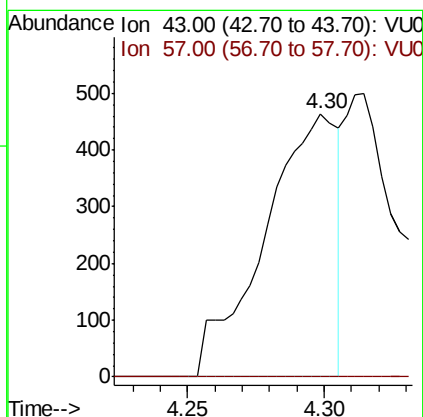
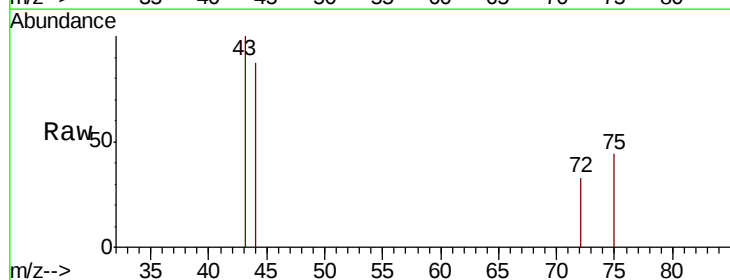
Instrument :
 MSVOA_U
 ClientSampleId :

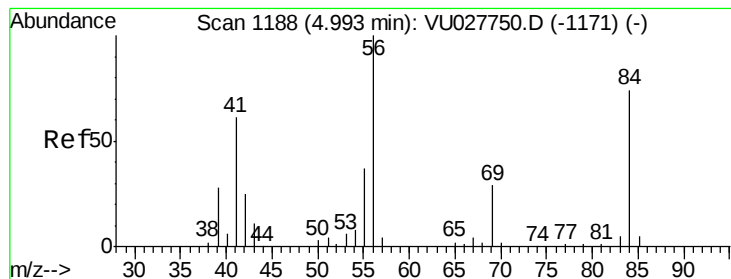
Tot Ion: 63 Resp: 1562
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.8 8.4#
 100 0.0 1.5 4.5#



#18
 2-Butanone
 Concen: 0.738 ug/l
 RT: 4.30 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 43 Resp: 866
 Ion Ratio Lower Upper
 43 100
 57 0.0 0.0 14.4





#19

Cyclohexane

Concen: 0.297 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

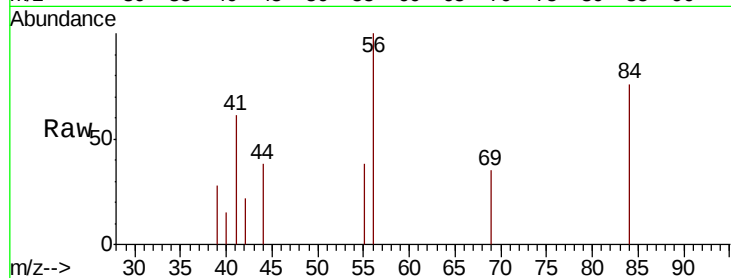
Tot Ion: 56 Resp: 1661

Ion Ratio Lower Upper

56 100

69 21.1 25.9 38.9#

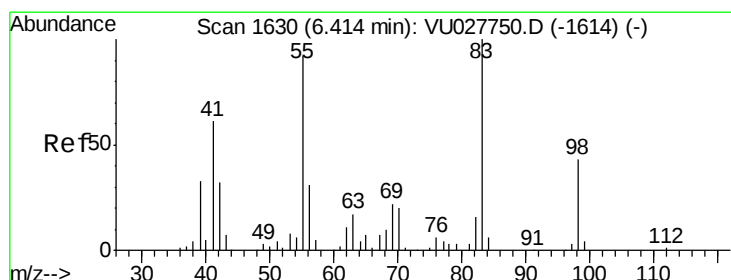
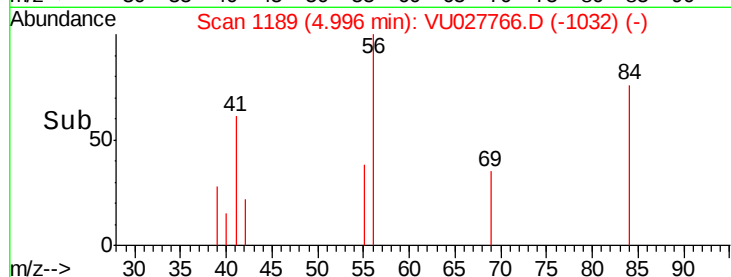
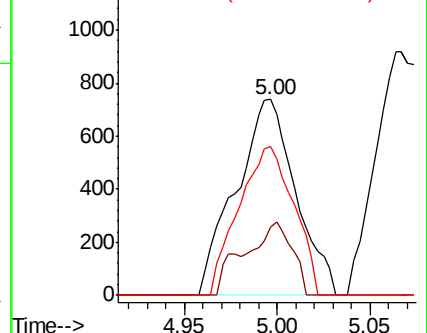
84 69.5 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VU027750.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU027750.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU027750.D (-1171) (-)



#20

Methylcyclohexane

Concen: 0.248 ug/l

RT: 6.42 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

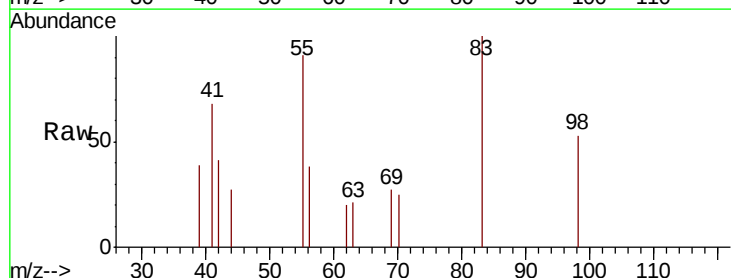
Tgt Ion: 83 Resp: 1405

Ion Ratio Lower Upper

83 100

55 106.8 72.6 108.8

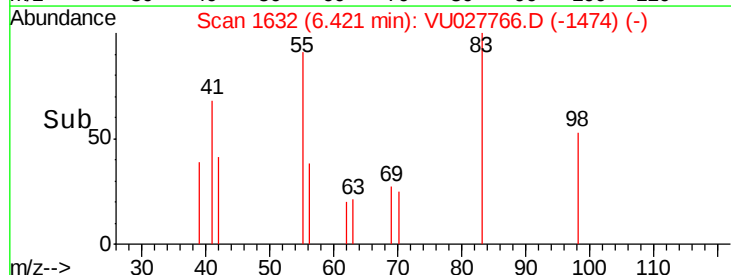
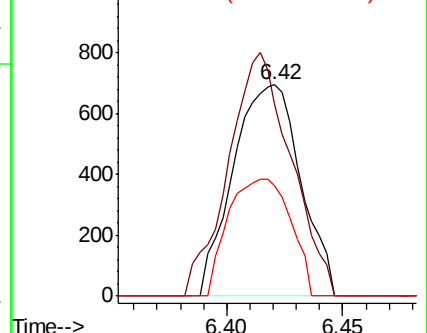
98 51.2 35.0 52.4

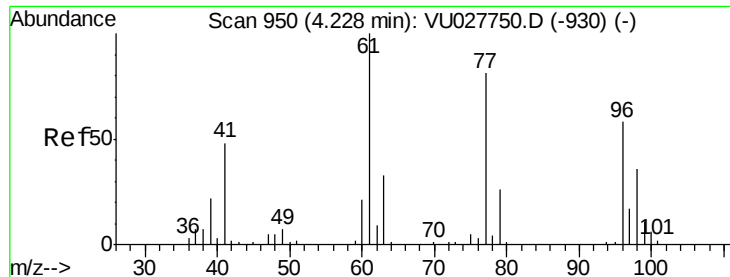


Abundance Ion 83.00 (82.70 to 83.70): VU027750.D (-1614) (-)

Ion 55.00 (54.70 to 55.70): VU027750.D (-1614) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-1614) (-)





#21

2,2-Dichloropropane

Concen: 0.279 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

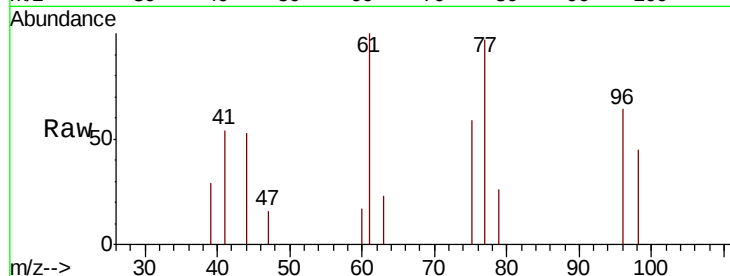
ClientSampleId :

Tot Ion: 77 Resp: 1539

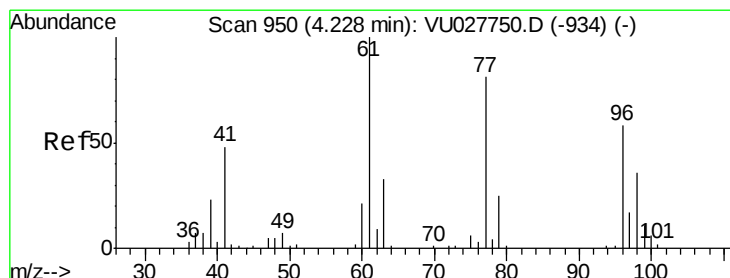
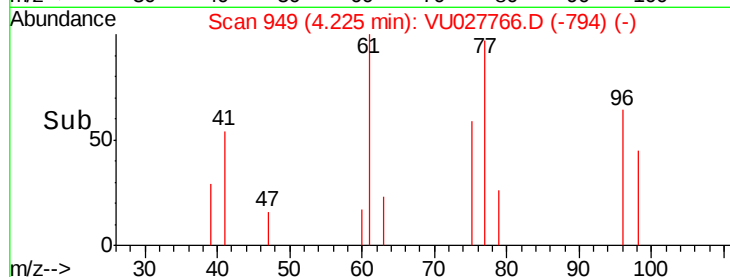
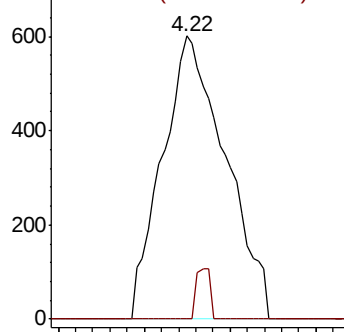
Ion Ratio Lower Upper

77 100

97 3.9 16.9 25.3#



Abundance Ion 77.00 (76.70 to 77.70): VU0
Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.273 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

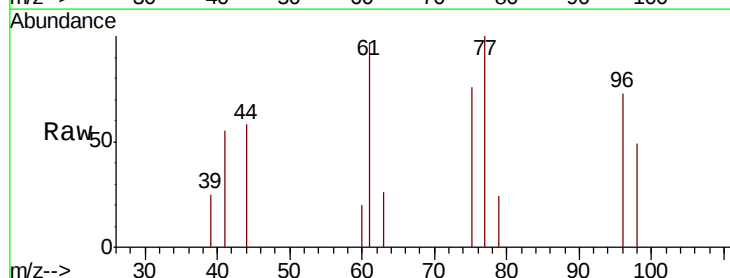
Tgt Ion: 96 Resp: 926

Ion Ratio Lower Upper

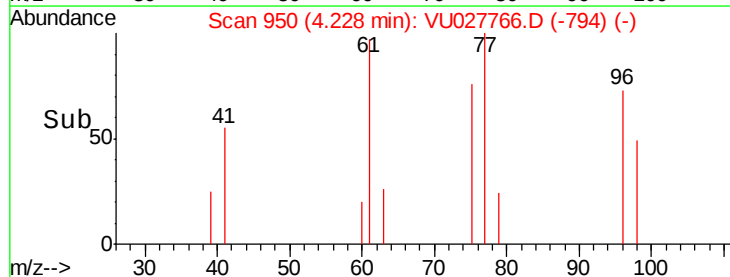
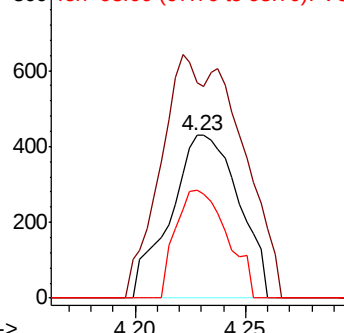
96 100

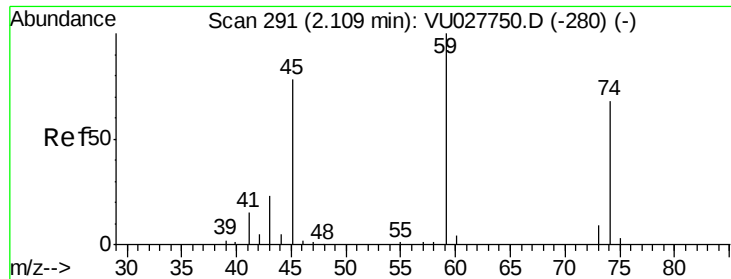
61 93.2 0.0 444.0

98 50.0 31.9 95.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

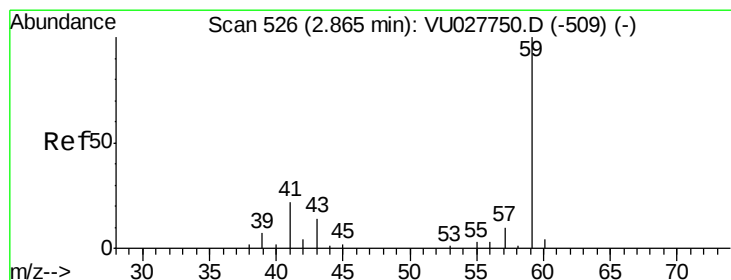
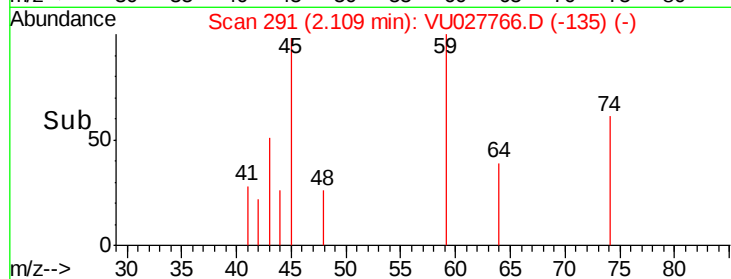
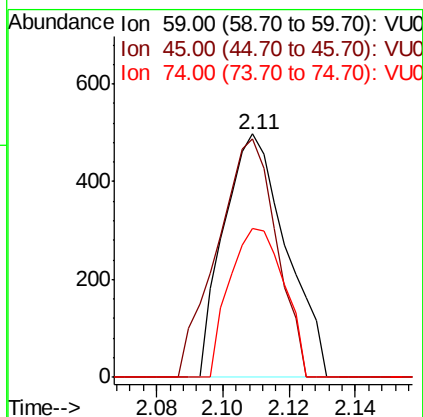
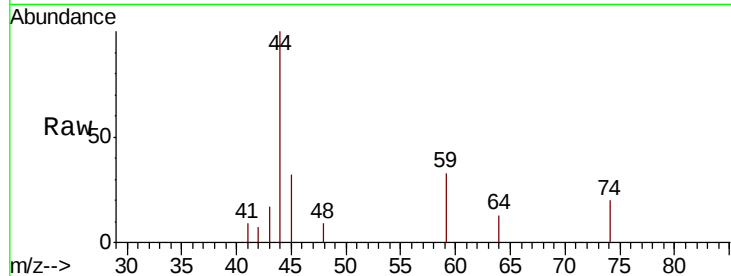




#23
Diethyl Ether
Concen: 0.269 ug/l
RT: 2.11 min Scan# 291
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

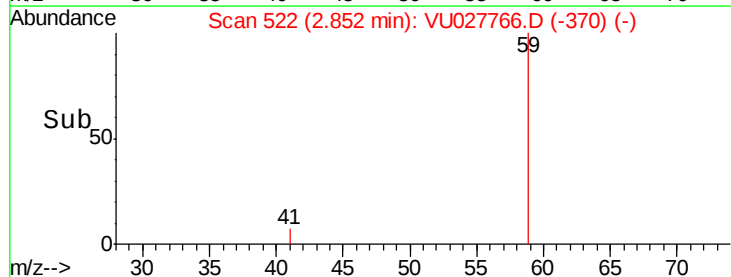
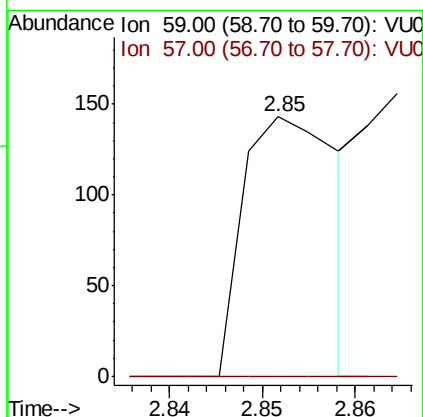
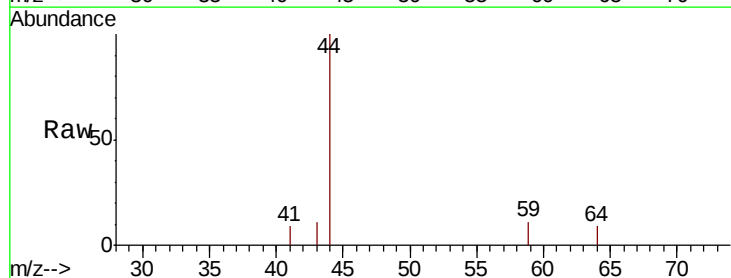
Instrument :
MSVOA_U
ClientSampleId :

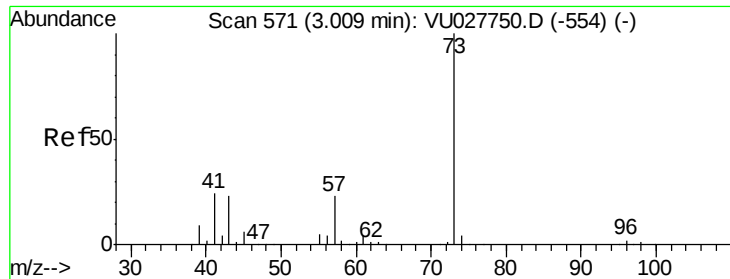
Tot Ion: 59 Resp: 650
Ion Ratio Lower Upper
59 100
45 92.8 64.6 96.8
74 53.4 54.8 82.2#



#24
tert-Butyl Alcohol
Concen: 0.392 ug/l
RT: 2.85 min Scan# 522
Delta R.T. -0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 59 Resp: 101
Ion Ratio Lower Upper
59 100
57 308.9 4.4 6.6#



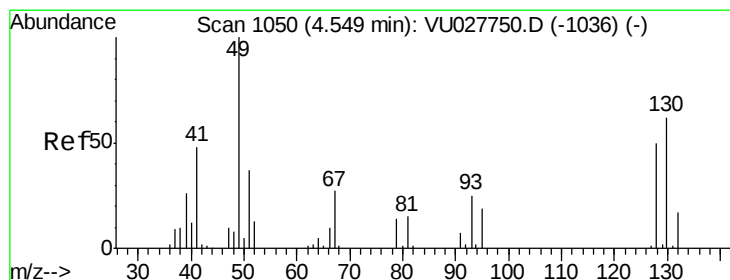
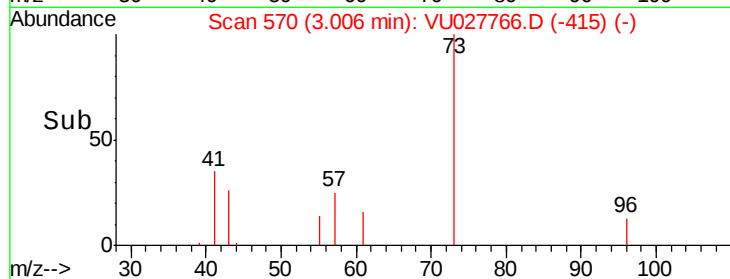
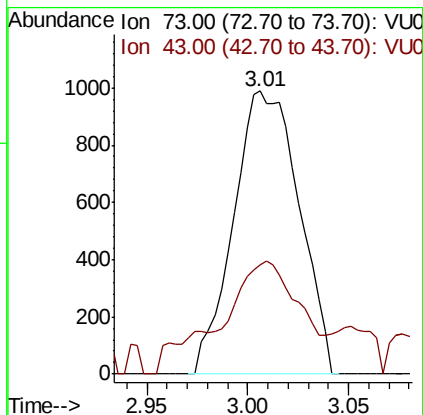
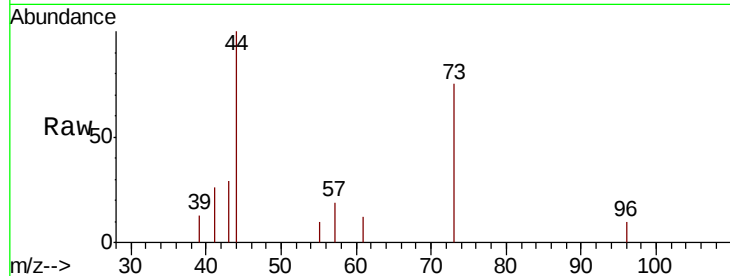


#25

Methyl tert-Butyl Ether
 Concen: 0.276 ug/l
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Instrument :
 MSVOA_U
 ClientSampled :

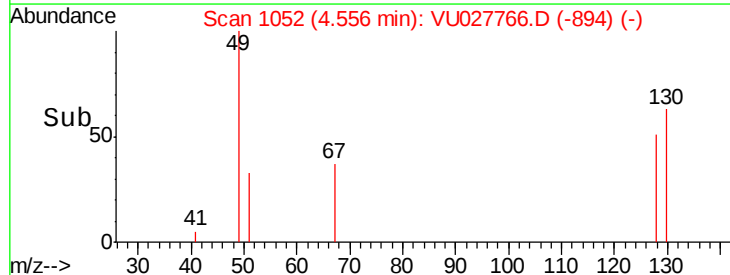
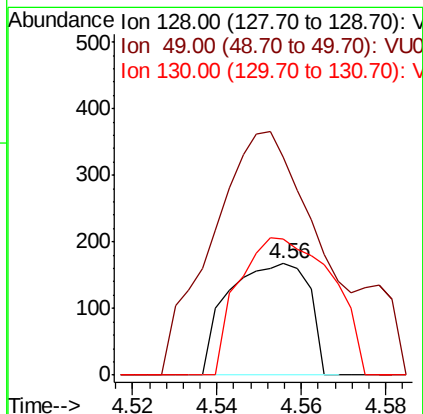
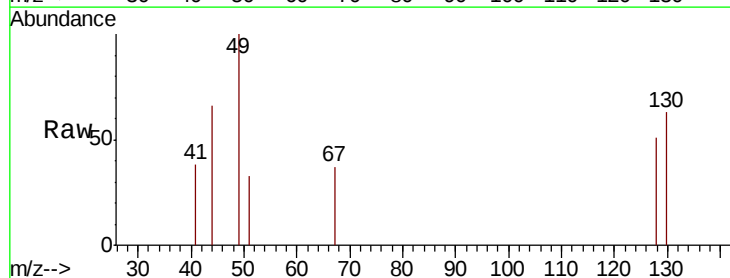
Tot Ion: 73 Resp: 2237
 Ion Ratio Lower Upper
 73 100
 43 49.3 18.6 27.8#

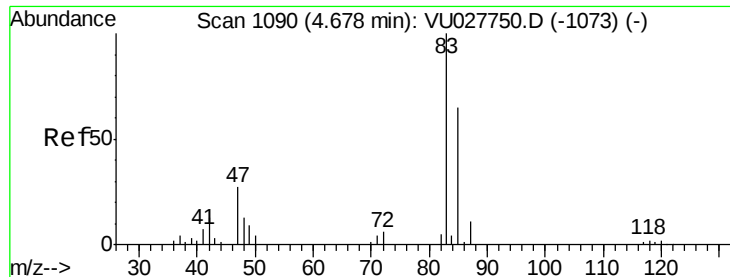


#26

Bromochloromethane
 Concen: 0.163 ug/l
 RT: 4.56 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 128 Resp: 222
 Ion Ratio Lower Upper
 128 100
 49 314.4 0.0 427.6
 130 142.3 103.4 155.0





#27

Chloroform

Concen: 0.272 ug/l

RT: 4.68 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

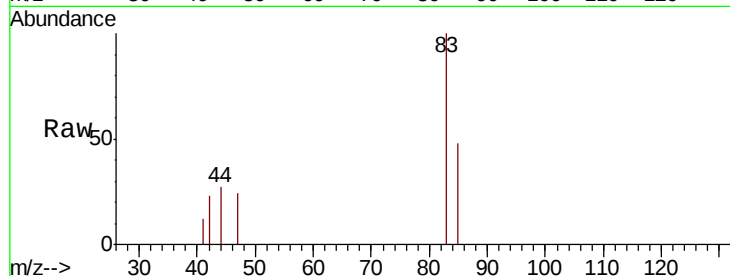
ClientSampled :

Tot Ion: 83 Resp: 1656

Ion Ratio Lower Upper

83 100

85 47.6 0.0 130.2



Abundance Ion 83.00 (82.70 to 83.70): VU027750.D (-1073) (-)

Ion 85.00 (84.70 to 85.70): VU027750.D (-1073) (-)

4.68

800

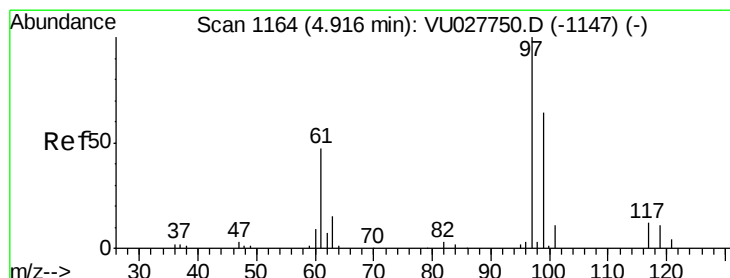
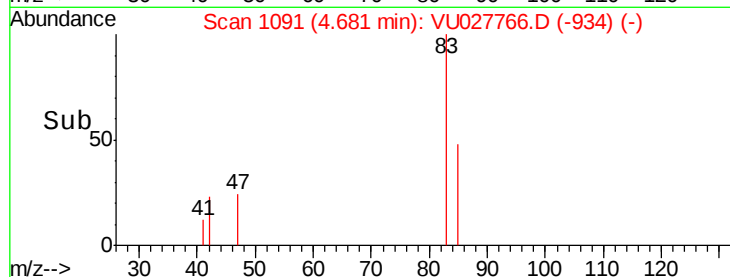
600

400

200

0

Time-->



#28

1,1,1-Trichloroethane

Concen: 0.100 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

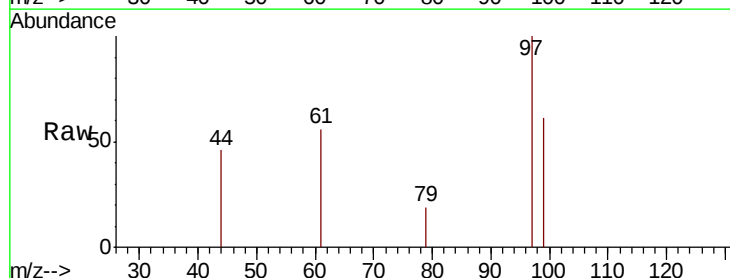
Tgt Ion: 97 Resp: 541

Ion Ratio Lower Upper

97 100

99 152.3 31.8 95.4#

61 104.3 23.6 70.8#



Abundance Ion 97.00 (96.70 to 97.70): VU027750.D (-1147) (-)

Ion 99.00 (98.70 to 99.70): VU027750.D (-1147) (-)

Ion 61.00 (60.70 to 61.70): VU027750.D (-1147) (-)

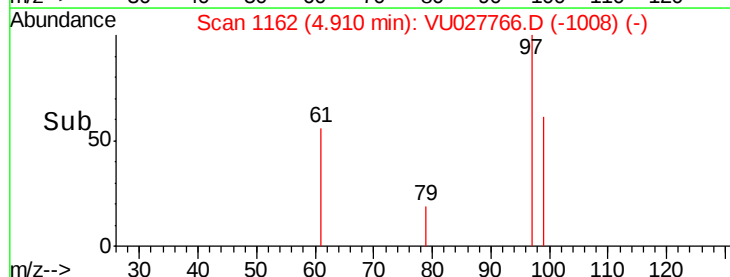
600

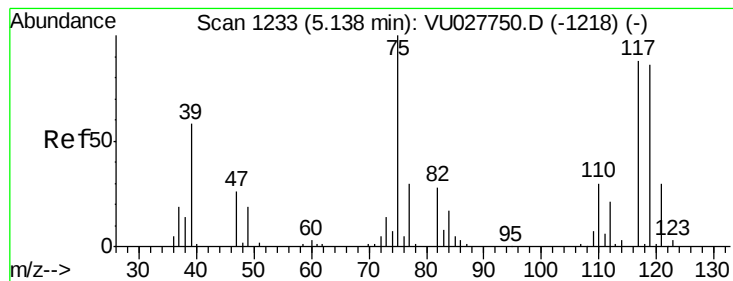
400

200

0

Time-->





#29

1,1-Dichloropropene

Concen: 0.283 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

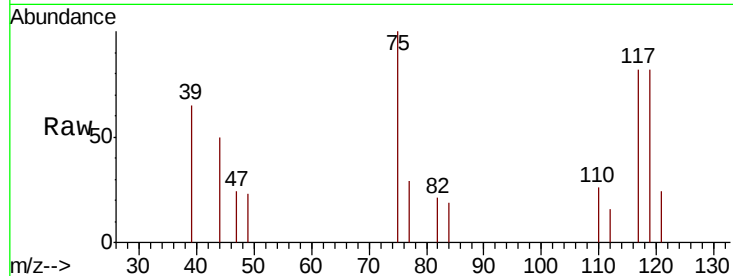
Tot Ion: 75 Resp: 1336

Ion Ratio Lower Upper

75 100

110 18.3 15.6 46.8

77 21.9 24.5 36.7#



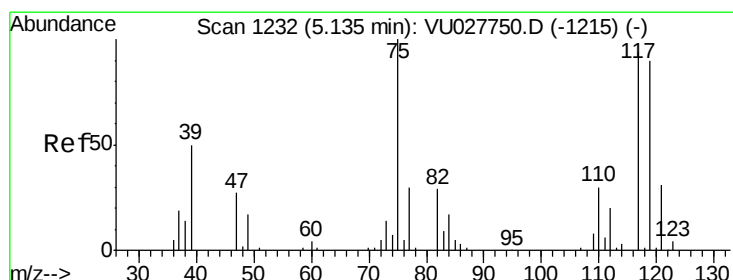
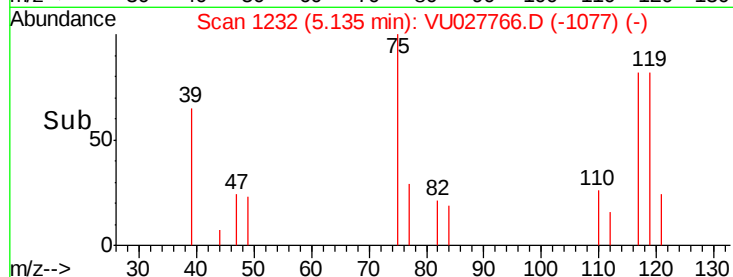
Abundance Ion 75.00 (74.70 to 75.70): VU027750.D (-1218) (-)

Ion 110.00 (109.70 to 110.70): VU027750.D (-1218) (-)

Ion 77.00 (76.70 to 77.70): VU027750.D (-1218) (-)

5.13

Time-->



#30

Carbon Tetrachloride

Concen: 0.229 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

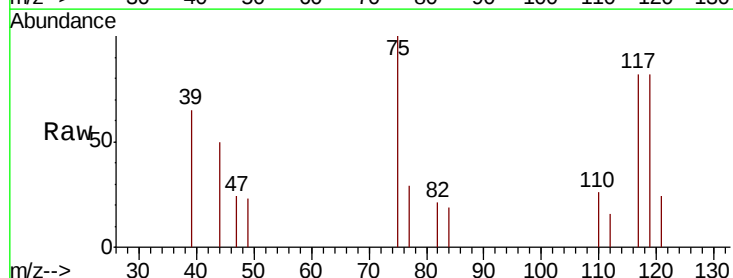
Tgt Ion: 117 Resp: 1106

Ion Ratio Lower Upper

117 100

119 99.3 76.2 114.4

121 29.3 26.4 39.6



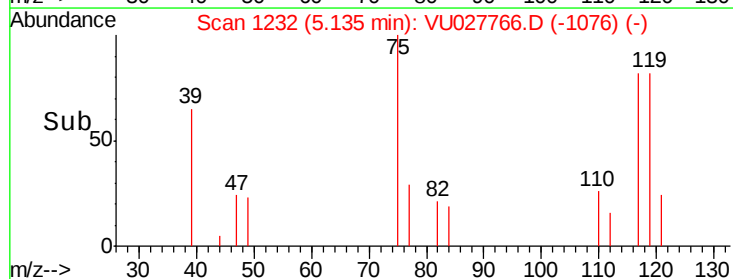
Abundance Ion 117.00 (116.70 to 117.70): VU027750.D (-1215) (-)

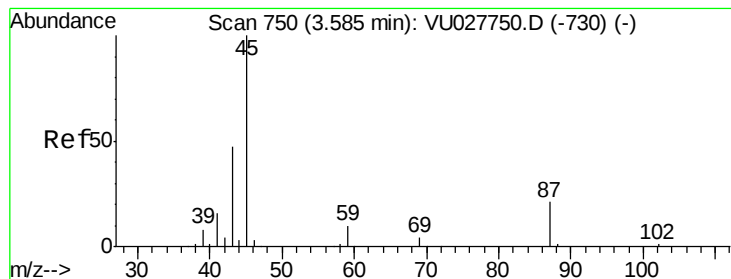
Ion 119.00 (118.70 to 119.70): VU027750.D (-1215) (-)

Ion 121.00 (120.70 to 121.70): VU027750.D (-1215) (-)

5.13

Time-->





#31

Isopropyl Ether

Concen: 0.268 ug/l

RT: 3.58 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

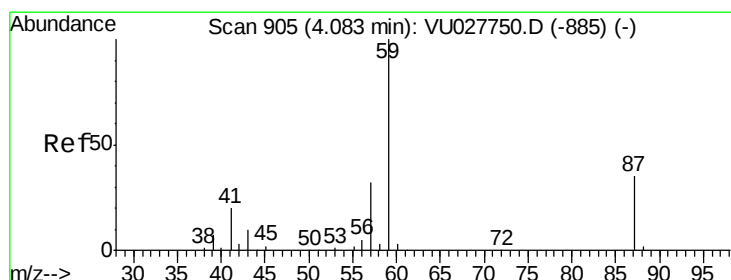
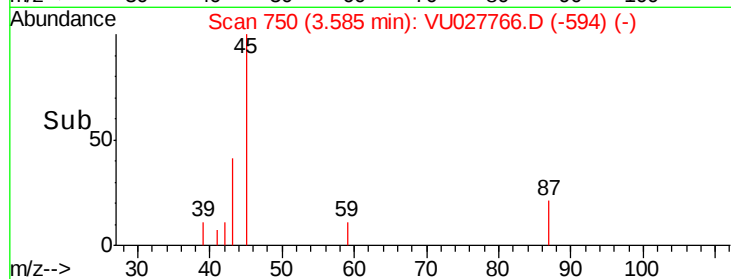
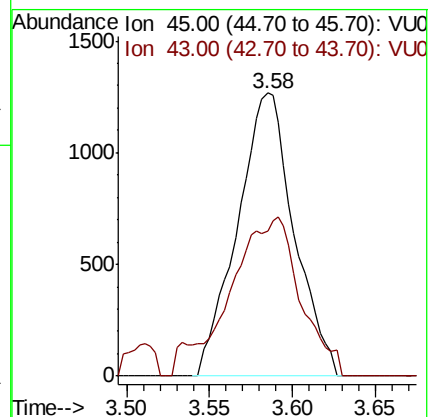
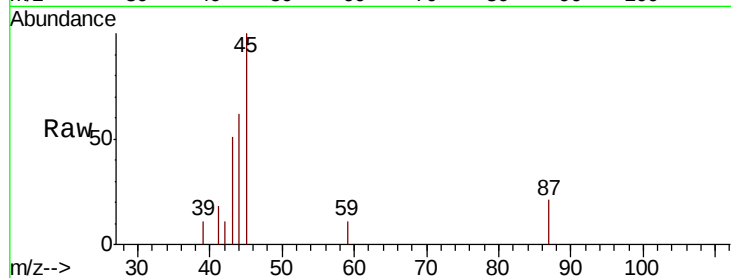
ClientSampled :

Tot Ion: 45 Resp: 3016

Ion Ratio Lower Upper

45 100

43 64.8 24.5 73.5



#32

Ethyl-t-butyl ether

Concen: 0.263 ug/l

RT: 4.08 min Scan# 905

Delta R.T. 0.00 min

Lab File: VU027766.D

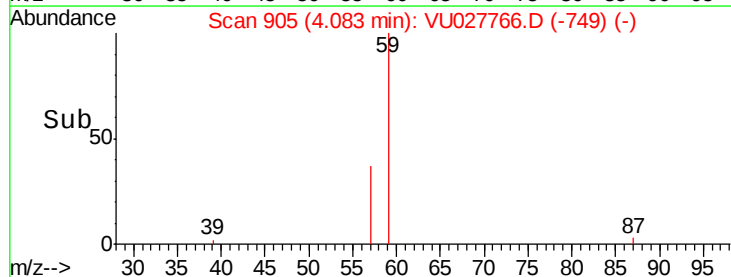
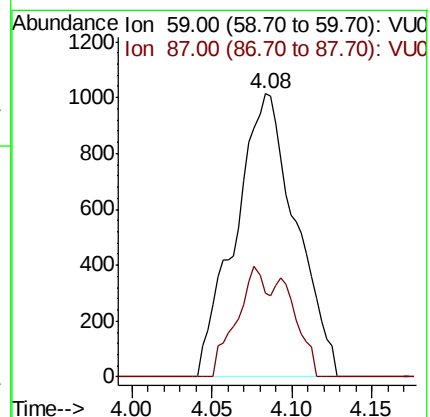
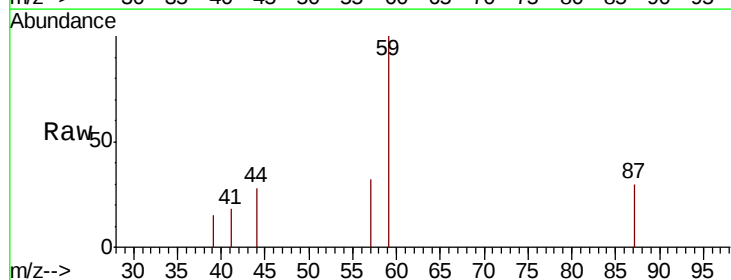
Acq: 23 Oct 2018 16:33

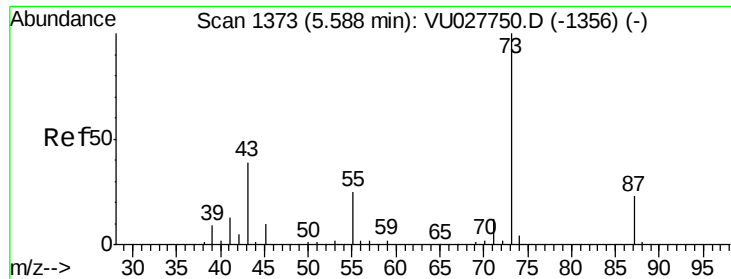
Tgt Ion: 59 Resp: 2628

Ion Ratio Lower Upper

59 100

87 20.1 29.4 44.0#



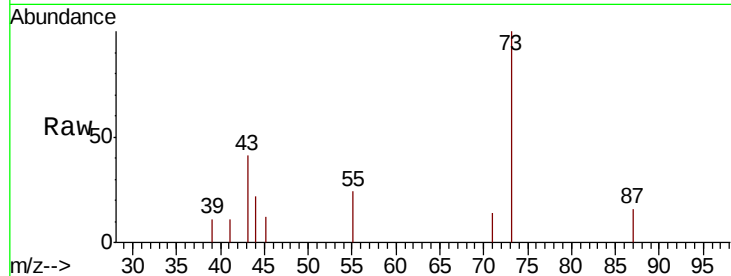


#33

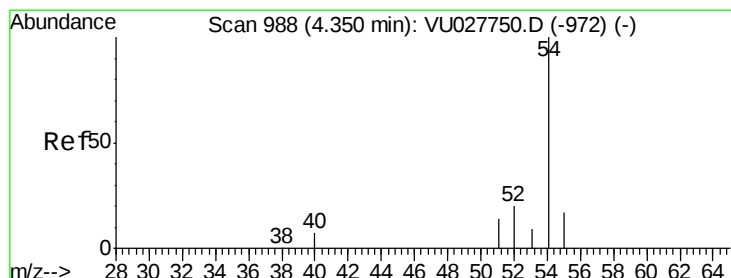
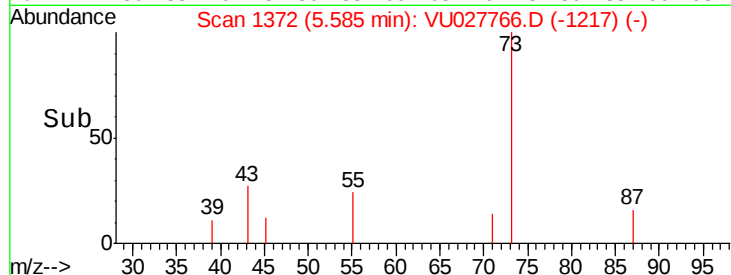
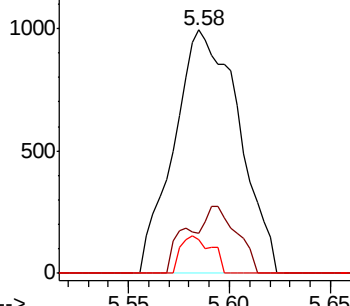
Tert-Amvl methvl ether
 Concen: 0.263 ug/l
 RT: 5.58 min Scan# 1372
 Delta R.T. -0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 2228
 Ion Ratio Lower Upper
 73 100
 87 7.1 18.5 27.7#
 71 7.4 9.1 13.7#



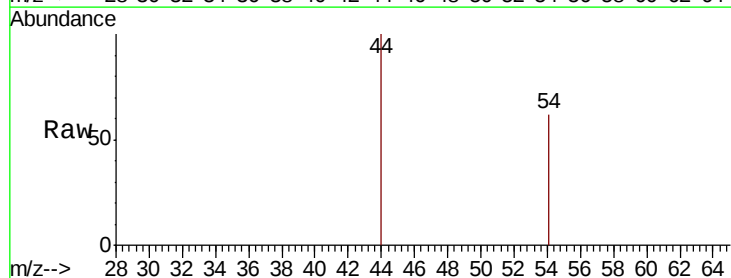
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0



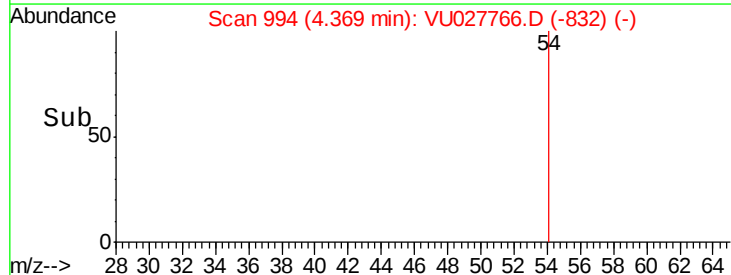
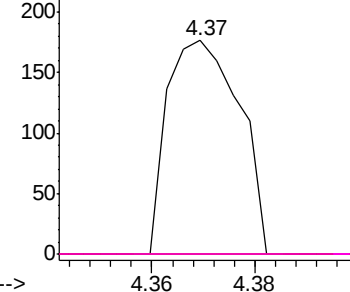
#34

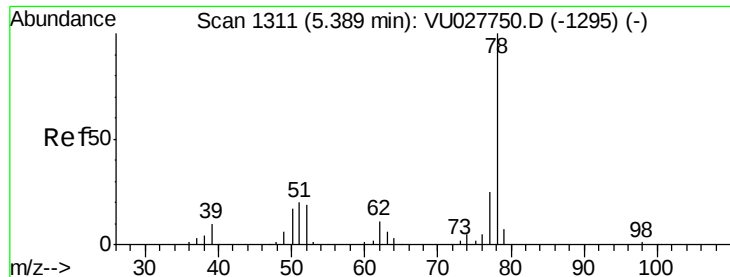
Propionitrile
 Concen: 0.608 ug/l
 RT: 4.37 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 54 Resp: 170
 Ion Ratio Lower Upper
 54 100
 52 0.0 15.5 23.3#
 55 194.1 12.6 18.8#
 40 0.0 6.1 9.1#



Abundance Ion 54.00 (53.70 to 54.70): VU0
 Ion 52.00 (51.70 to 52.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 0.276 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

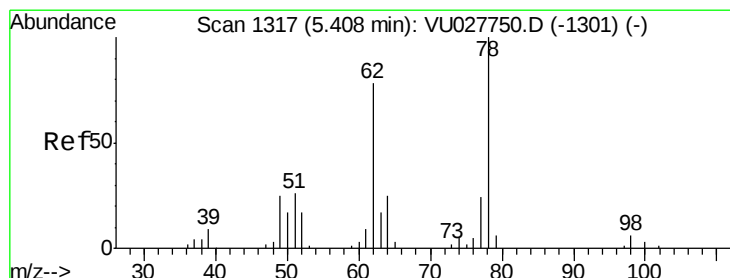
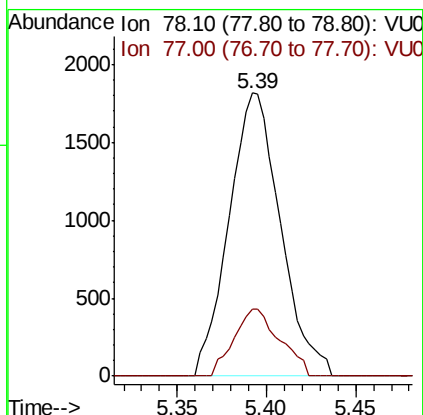
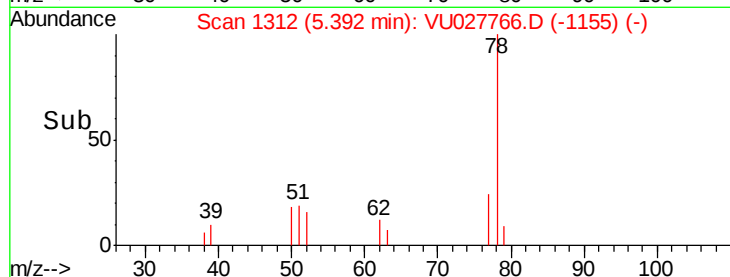
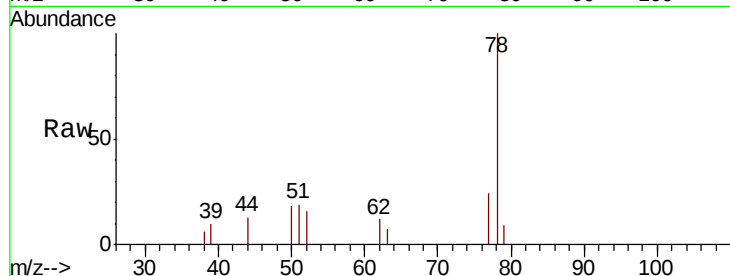
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 3648

Ion Ratio Lower Upper

78 100

77 23.7 19.9 29.9



#36

1,2-Dichloroethane

Concen: 0.258 ug/l

RT: 5.42 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VU027766.D

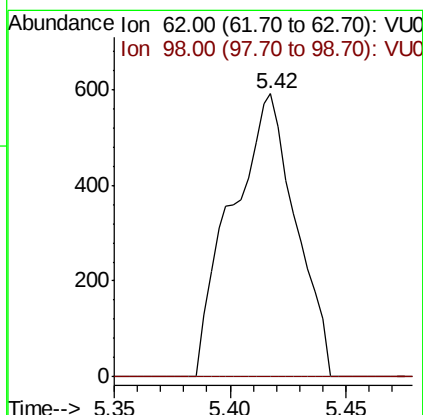
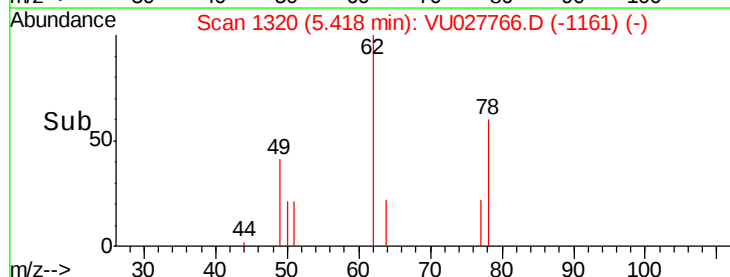
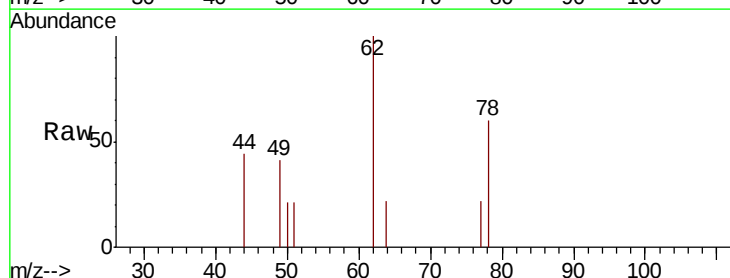
Acq: 23 Oct 2018 16:33

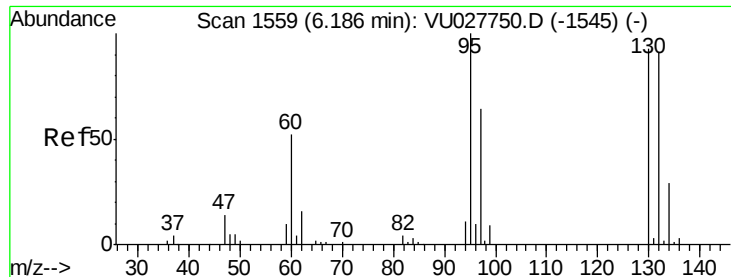
Tgt Ion: 62 Resp: 1135

Ion Ratio Lower Upper

62 100

98 0.0 5.8 8.6#

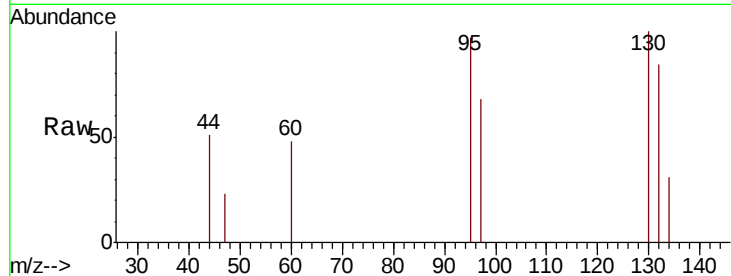




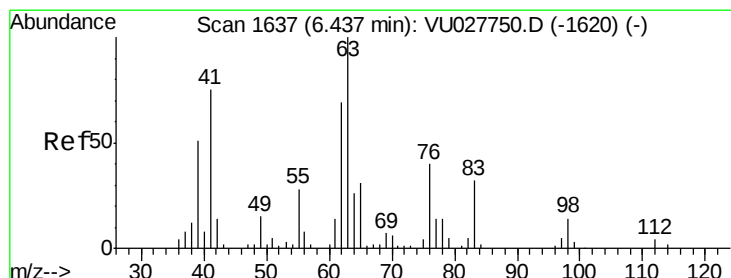
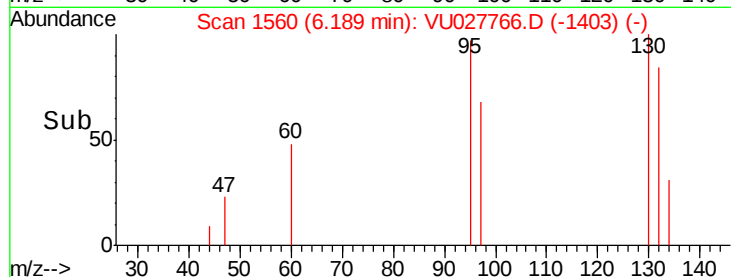
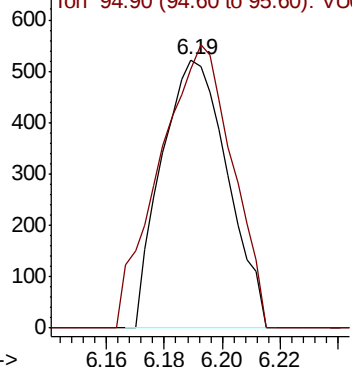
#37
 Trichloroethene
 Concen: 0.252 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 822
 Ion Ratio Lower Upper
 130 100
 95 96.7 86.4 129.6

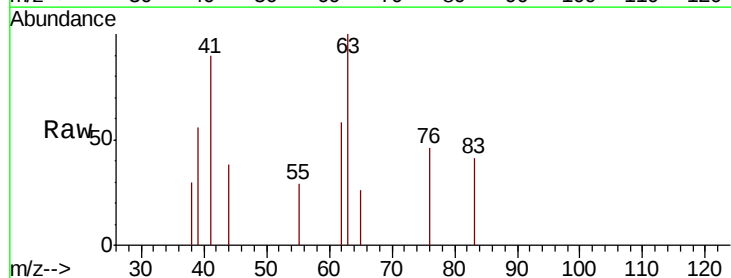


Abundance Ion 129.90 (129.60 to 130.60): VU027750.D (-1545) (-)
 Ion 94.90 (94.60 to 95.60): VU027750.D (-1545) (-)

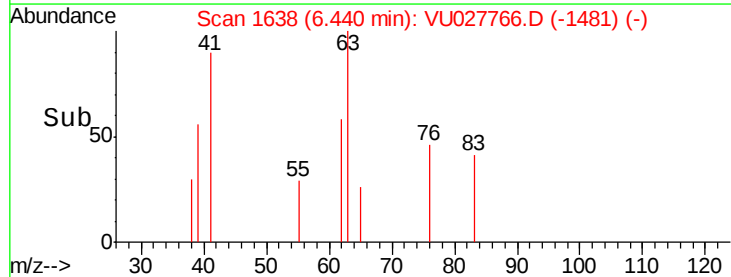
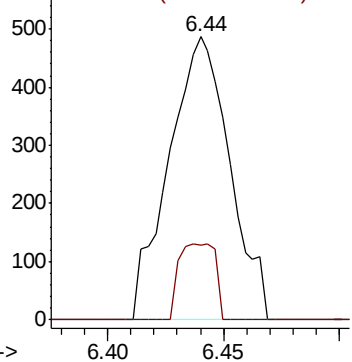


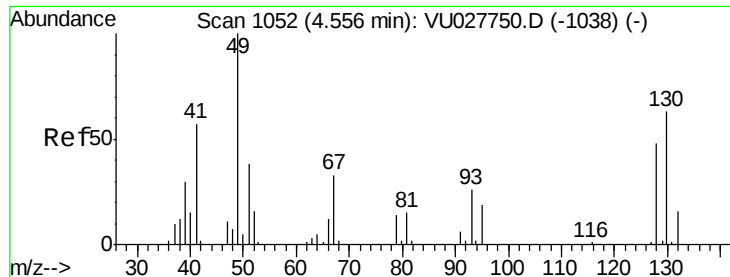
#38
 1,2-Dichloropropane
 Concen: 0.239 ug/l
 RT: 6.44 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 63 Resp: 886
 Ion Ratio Lower Upper
 63 100
 65 26.5 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU027750.D (-1620) (-)
 Ion 65.00 (64.70 to 65.70): VU027750.D (-1620) (-)





#39

Methacrylonitrile

Concen: 0.106 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 41 Resp: 164

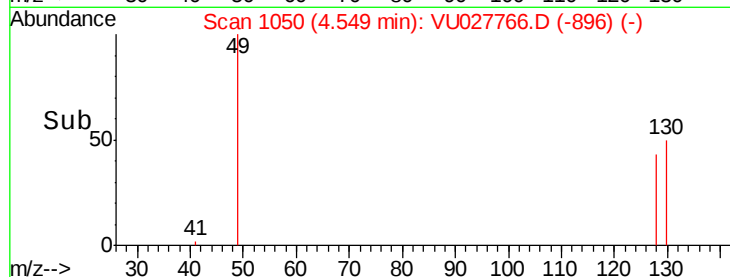
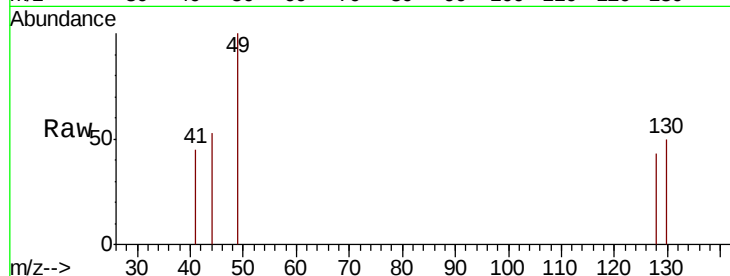
Ion Ratio Lower Upper

41 100

67 51.8 46.1 69.1

39 0.0 43.6 65.4#

52 0.0 21.4 32.2#

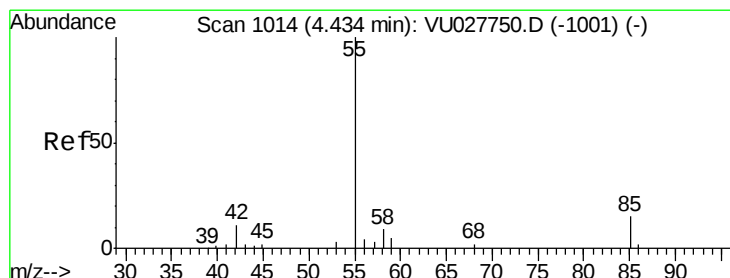
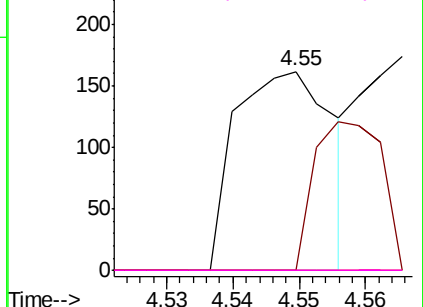


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 0.164 ug/l

RT: 4.45 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Tgt Ion: 55 Resp: 330

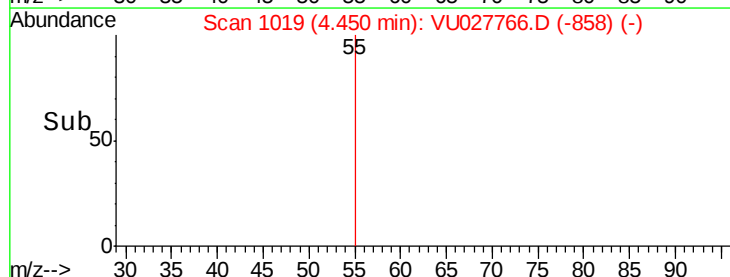
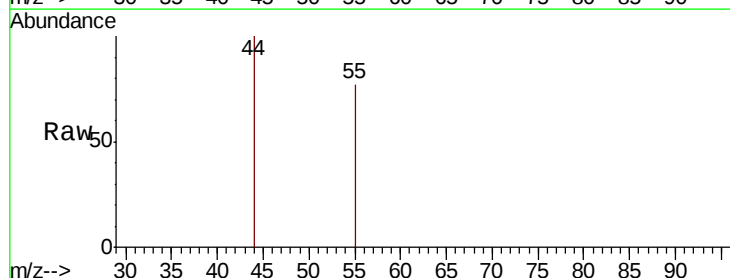
Ion Ratio Lower Upper

55 100

85 0.0 11.8 17.6#

58 0.0 7.0 10.4#

42 0.0 9.4 14.2#

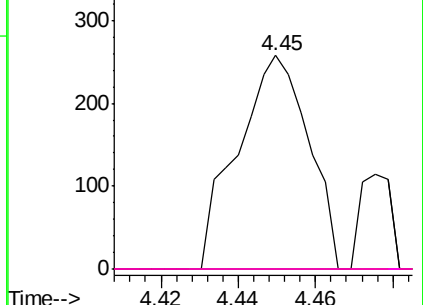


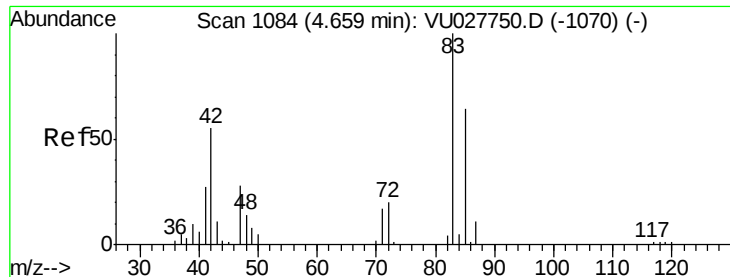
Abundance Ion 55.00 (54.70 to 55.70): VU0

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: 0.621 ug/l

RT: 4.67 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

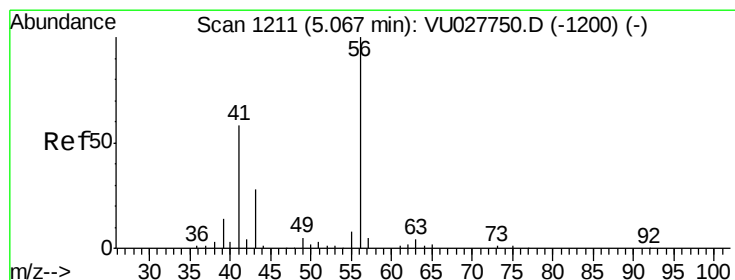
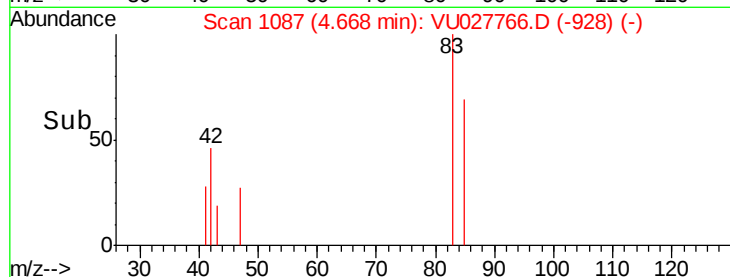
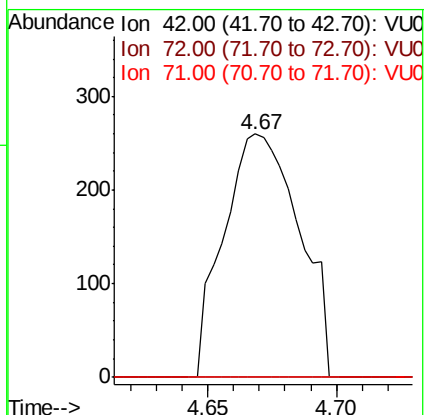
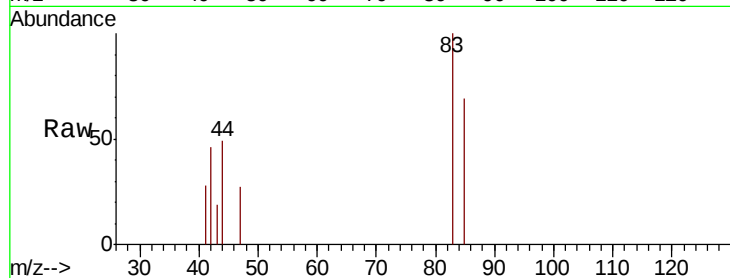
Tot Ion: 42 Resp: 530

Ion Ratio Lower Upper

42 100

72 0.0 30.6 45.8#

71 0.0 25.2 37.8#



#42

1-Chlorobutane

Concen: 0.280 ug/l

RT: 5.06 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VU027766.D

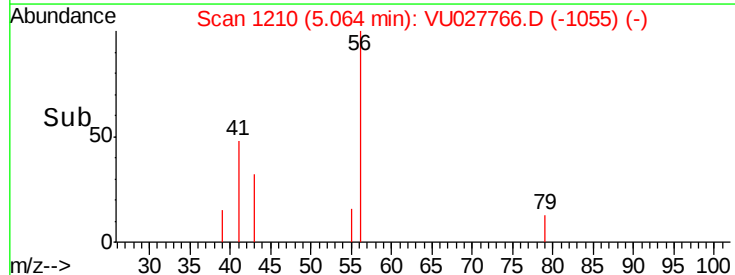
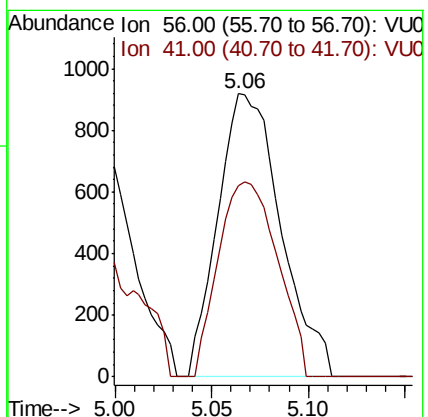
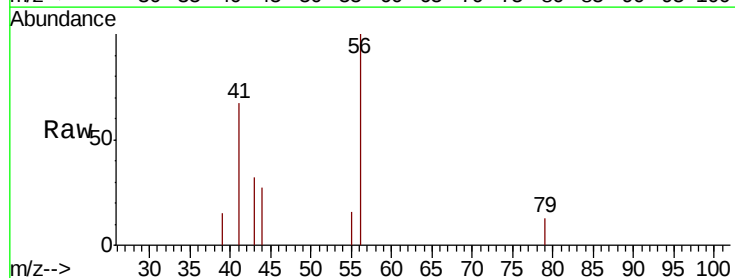
Acq: 23 Oct 2018 16:33

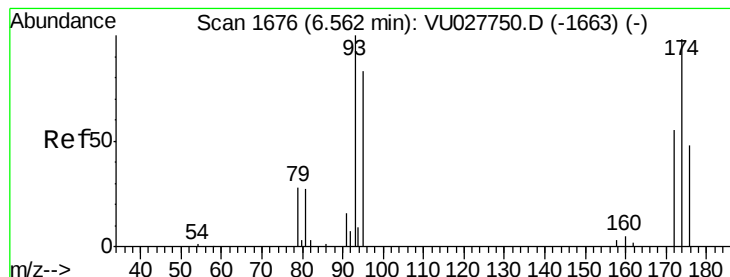
Tgt Ion: 56 Resp: 2086

Ion Ratio Lower Upper

56 100

41 64.7 29.4 88.2





#43

Dibromomethane

Concen: 0.202 ug/l

RT: 6.57 min Scan# 1678

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

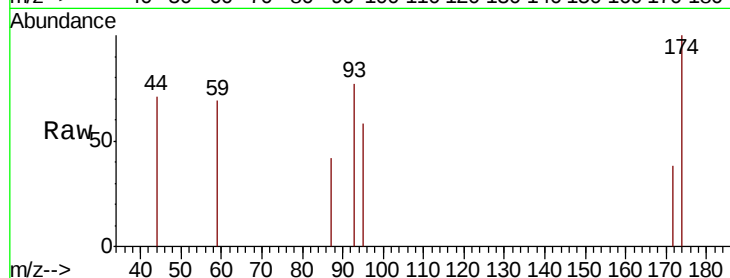
Tot Ion: 93 Resp: 341

Ion Ratio Lower Upper

93 100

95 41.6 64.2 96.2#

174 102.1 76.7 115.1

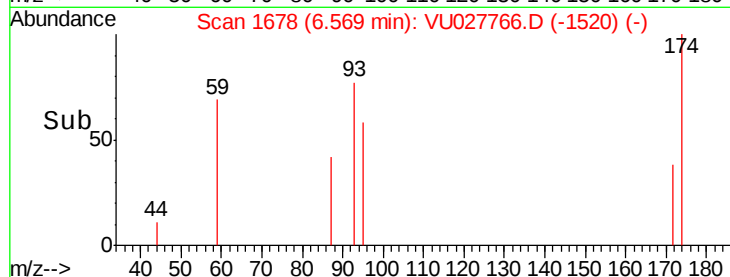


Abundance Ion 93.00 (92.70 to 93.70): VU027750.D (-1663) (-)

Ion 95.00 (94.70 to 95.70): VU027750.D (-1663) (-)

Ion 174.00 (173.70 to 174.70): VU027750.D (-1663) (-)

Time-->

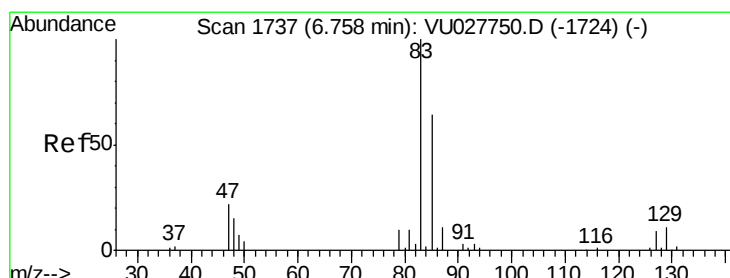


Abundance Ion 93.00 (92.70 to 93.70): VU027766.D (-1520) (-)

Ion 95.00 (94.70 to 95.70): VU027766.D (-1520) (-)

Ion 174.00 (173.70 to 174.70): VU027766.D (-1520) (-)

Time-->



#44

Bromodichloromethane

Concen: 0.260 ug/l

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

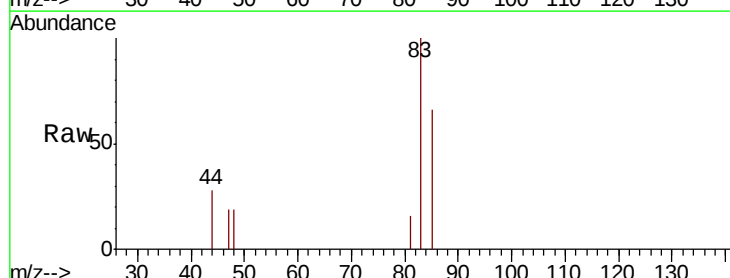
Tgt Ion: 83 Resp: 1192

Ion Ratio Lower Upper

83 100

85 66.0 51.5 77.3

127 0.0 7.0 10.4#

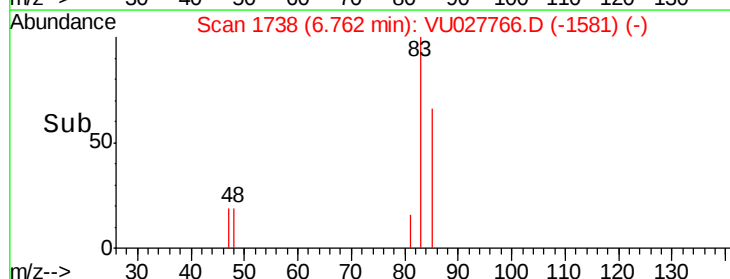


Abundance Ion 83.00 (82.70 to 83.70): VU027750.D (-1724) (-)

Ion 85.00 (84.70 to 85.70): VU027750.D (-1724) (-)

Ion 127.00 (126.70 to 127.70): VU027750.D (-1724) (-)

Time-->

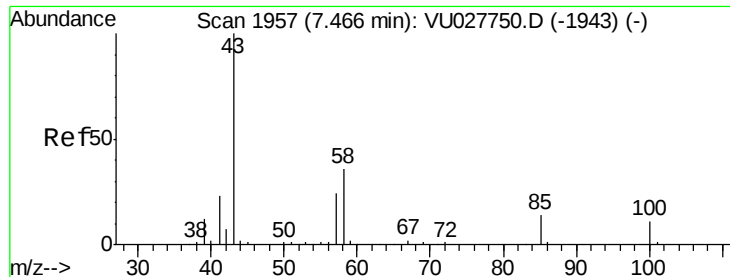


Abundance Ion 83.00 (82.70 to 83.70): VU027766.D (-1581) (-)

Ion 85.00 (84.70 to 85.70): VU027766.D (-1581) (-)

Ion 127.00 (126.70 to 127.70): VU027766.D (-1581) (-)

Time-->



#45

4-Methyl-2-Pentanone

Concen: 1.338 ug/l

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

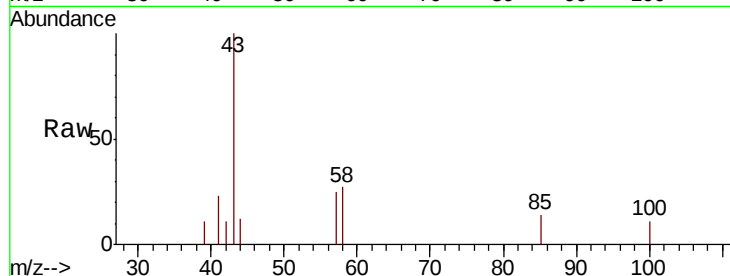
Tot Ion: 43 Resp: 3660

Ion Ratio Lower Upper

43 100

58 25.6 17.9 53.8

85 10.0 11.4 17.0#

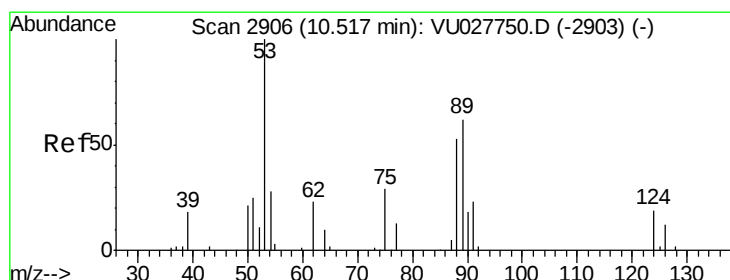
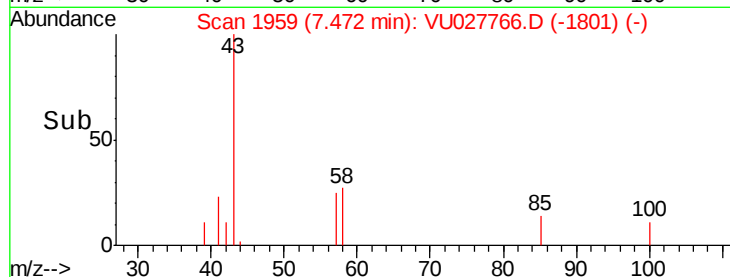
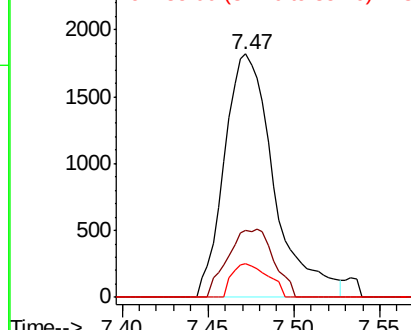


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 0.489 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Tgt Ion: 75 Resp: 482

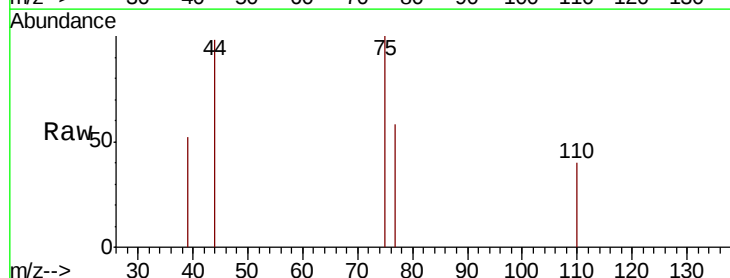
Ion Ratio Lower Upper

75 100

53 71.6 68.2 102.4

89 29.3 41.8 62.6#

88 23.0 33.8 50.8#



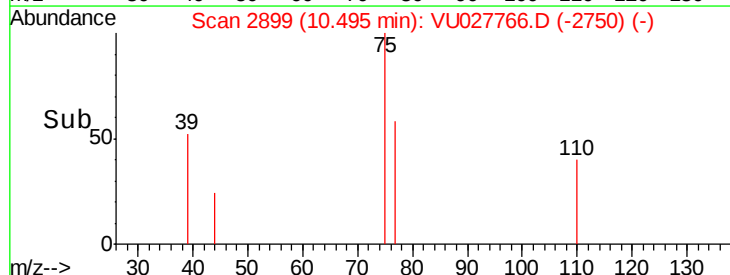
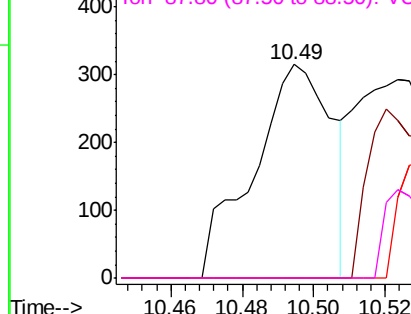
Abundance

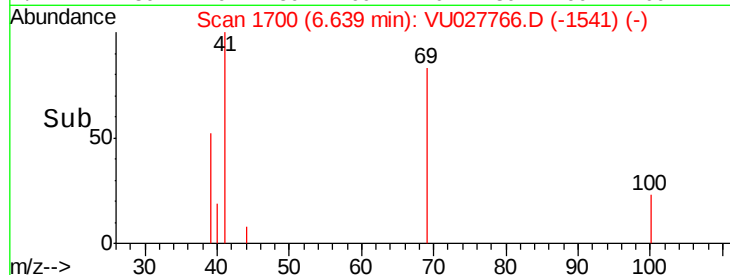
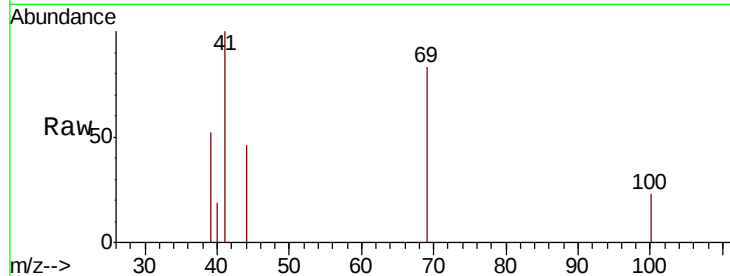
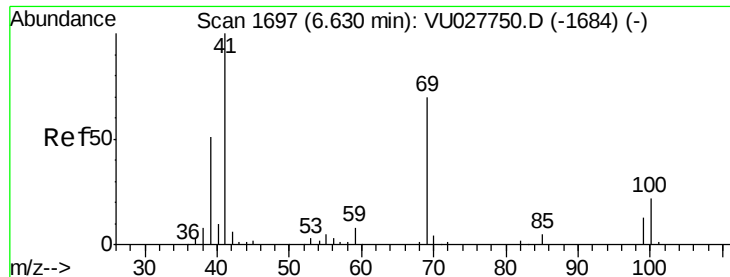
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

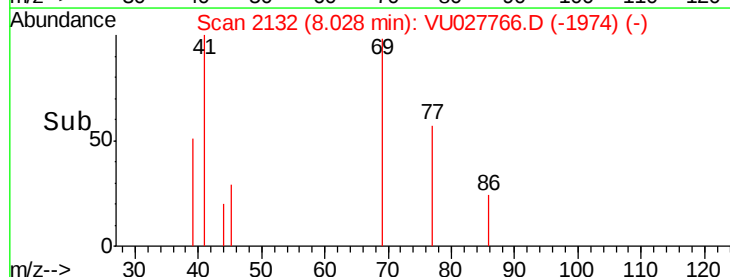
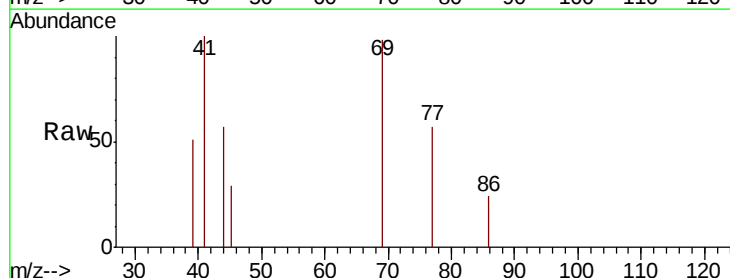
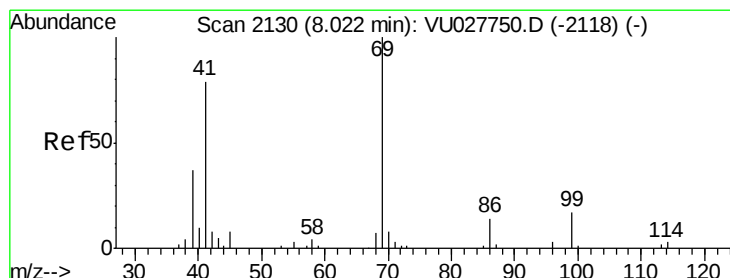
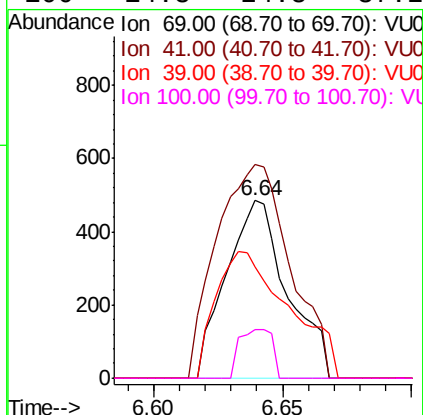
Ion 87.80 (87.50 to 88.50): VU0





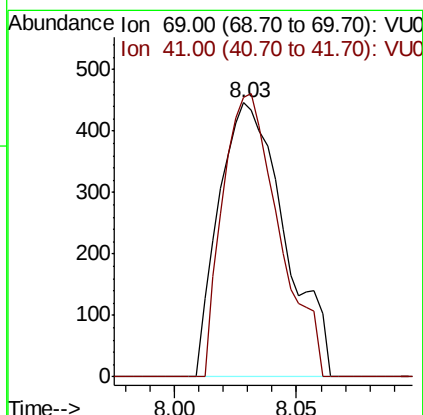
#47
Methyl methacrylate
Concen: 0.452 ug/l
RT: 6.64 min Scan# 1700
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

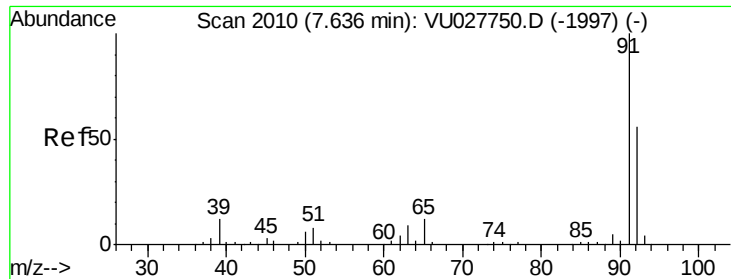
Tot Ion: 69.00 Resp: 803
Ion Ratio Lower Upper
69 100
41 144.3 0.0 281.2
39 85.6 58.6 88.0
100 14.8 24.8 37.2#



#48
Ethyl methacrylate
Concen: 0.226 ug/l
RT: 8.03 min Scan# 2132
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 69 Resp: 835
Ion Ratio Lower Upper
69 100
41 88.3 39.1 117.2





#49

Toluene

Concen: 0.265 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

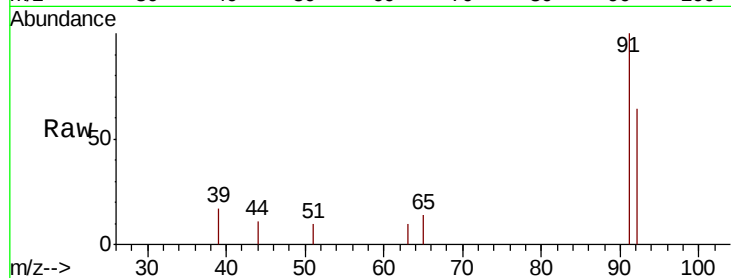
ClientSampled :

Tot Ion: 92 Resp: 2074

Ion Ratio Lower Upper

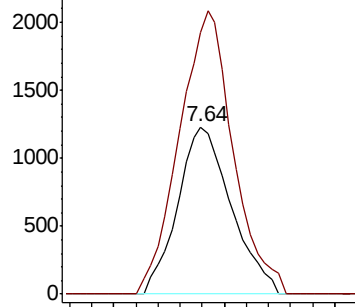
92 100

91 170.6 141.8 212.8

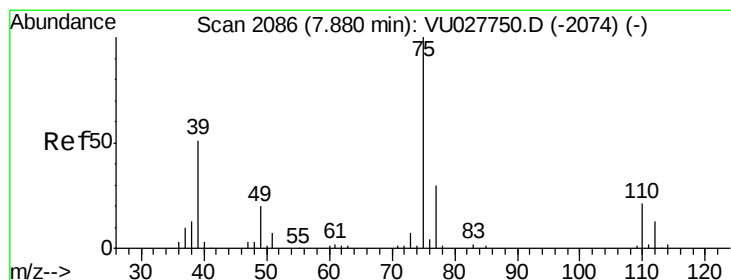
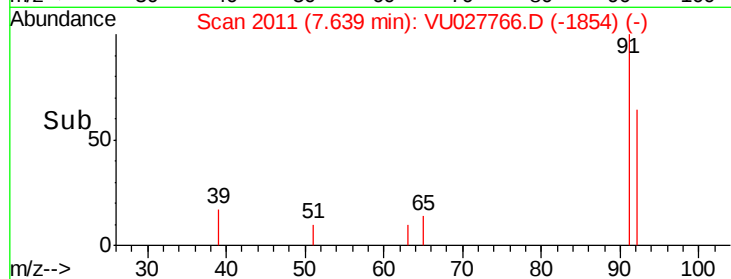


Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#50

t-1,3-Dichloropropene

Concen: 0.238 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027766.D

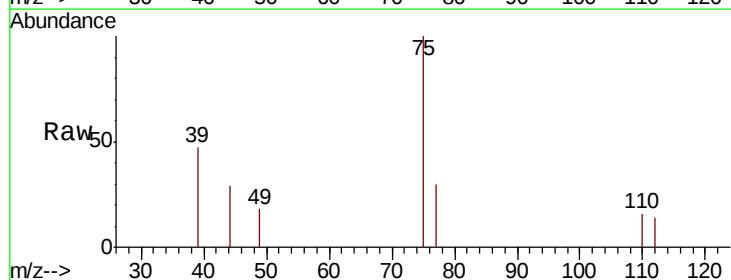
Acq: 23 Oct 2018 16:33

Tgt Ion: 75 Resp: 1086

Ion Ratio Lower Upper

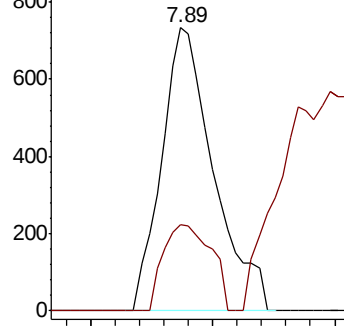
75 100

77 30.3 24.1 36.1

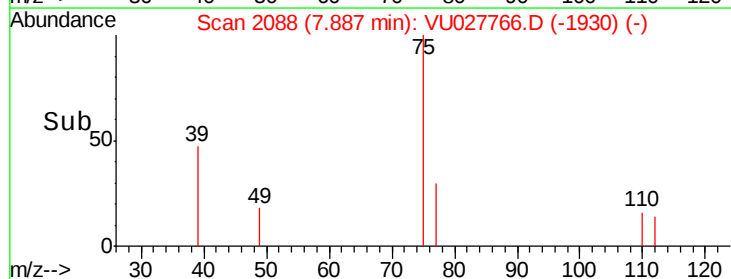


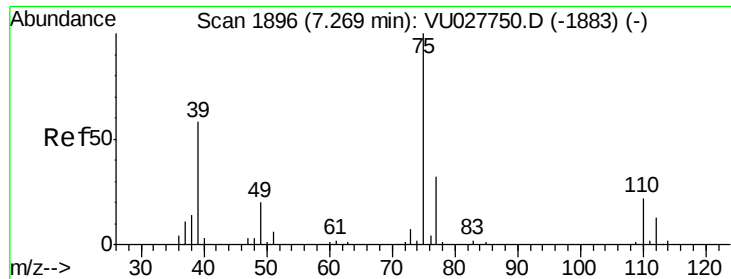
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->

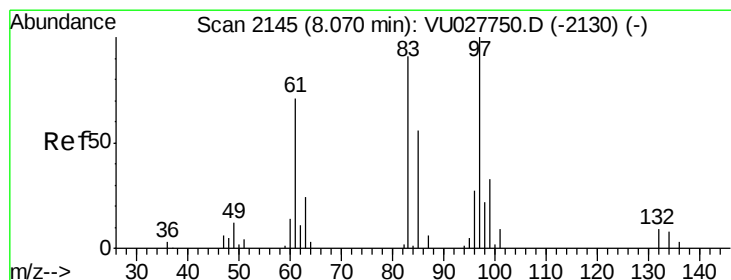
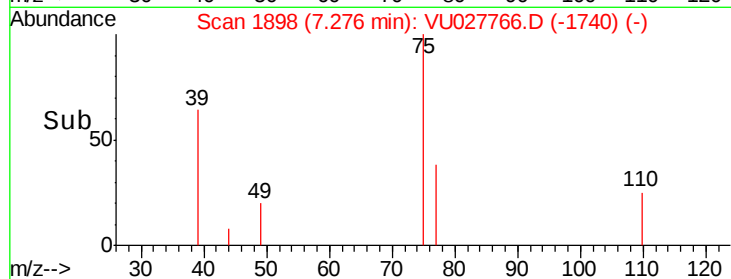
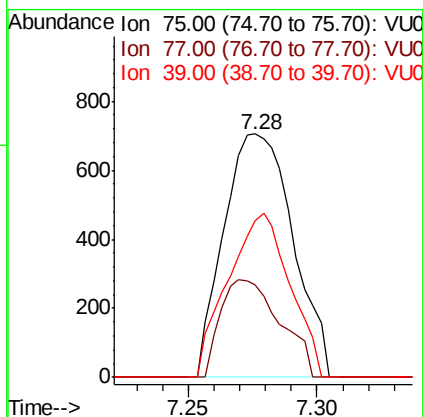
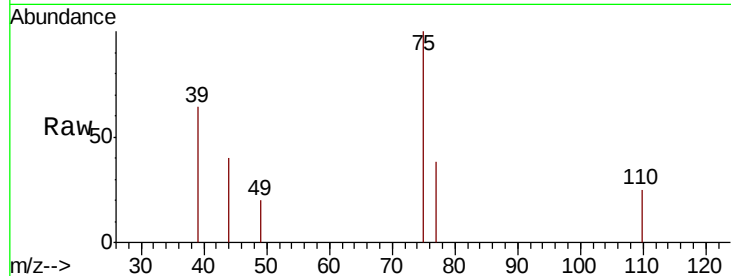




#51
 cis-1,3-Dichloropropene
 Concen: 0.246 ug/l
 RT: 7.28 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

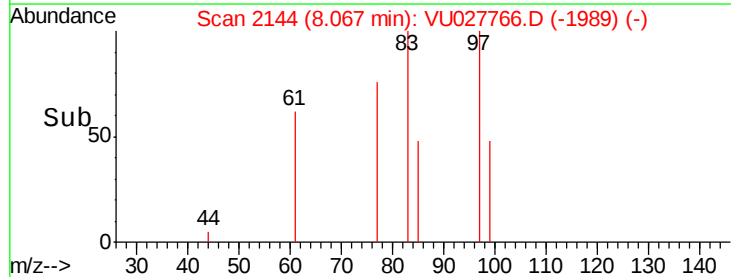
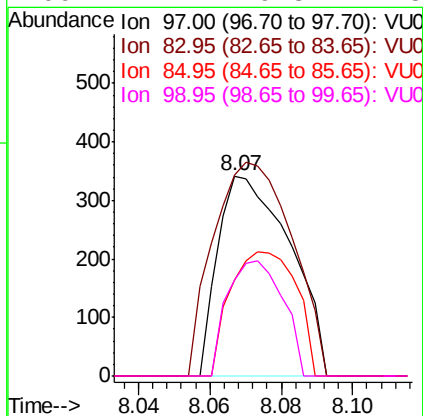
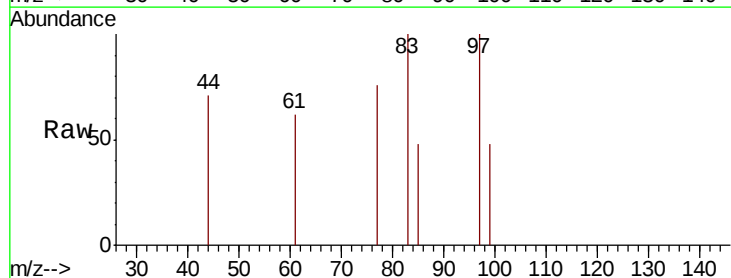
Instrument :
 MSVOA_U
 ClientSampleId :

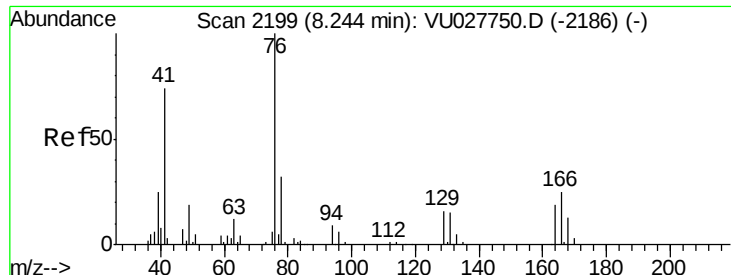
Tot Ion: 75 Resp: 1319
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.3 37.9#
 39 64.4 46.4 69.6



#52
 1,1,2-Trichloroethane
 Concen: 0.210 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 97 Resp: 478
 Ion Ratio Lower Upper
 97 100
 83 100.3 73.0 109.6
 85 47.7 46.5 69.7
 99 47.7 49.8 74.8#

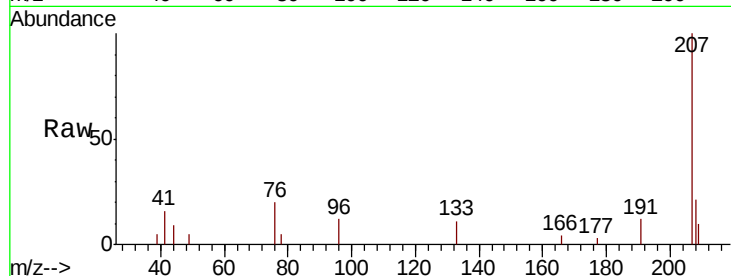




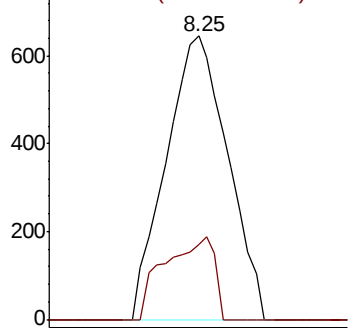
#53
 1,3-Dichloropropane
 Concen: 0.246 ug/l
 RT: 8.25 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Instrument :
 MSVOA_U
 ClientSampleId :

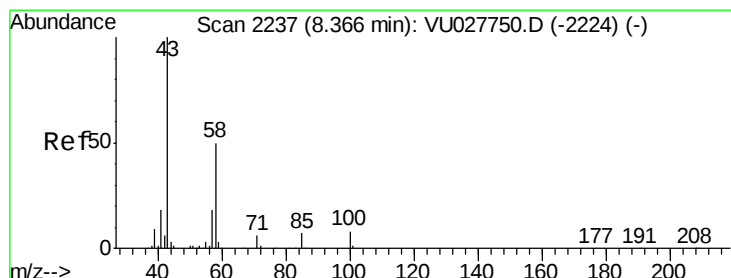
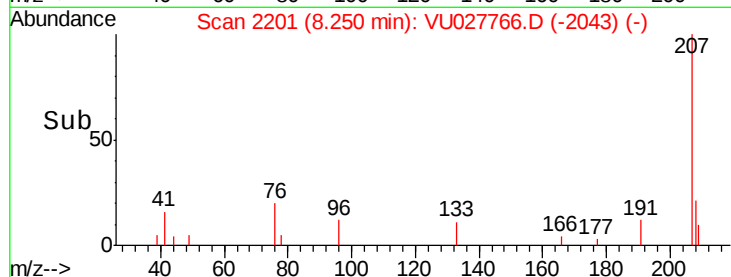
Tot Ion: 76 Resp: 1075
 Ion Ratio Lower Upper
 76 100
 78 23.4 25.4 38.0#



Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0

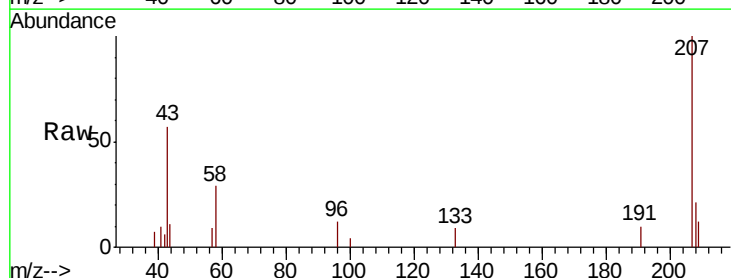


Time--> 8.20 8.25 8.30

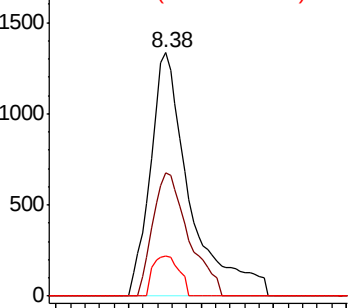


#54
 2-Hexanone
 Concen: 1.291 ug/l
 RT: 8.38 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

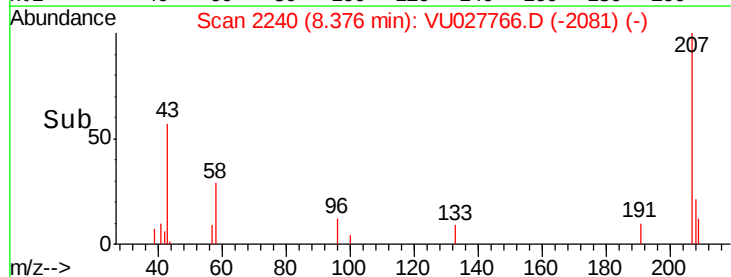
Tgt Ion: 43 Resp: 2517
 Ion Ratio Lower Upper
 43 100
 58 45.8 30.0 70.0
 57 10.8 0.0 37.7

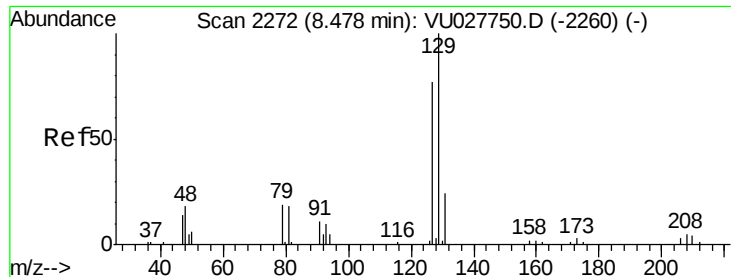


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



Time--> 8.30 8.35 8.40 8.45





#55

Dibromochloromethane

Concen: 0.238 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

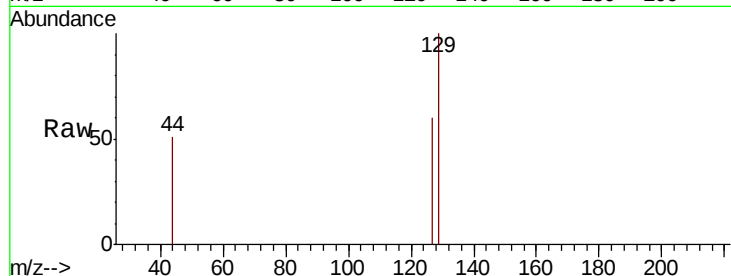
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 682

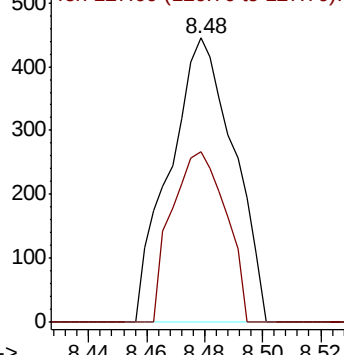
Ion Ratio Lower Upper

129 100

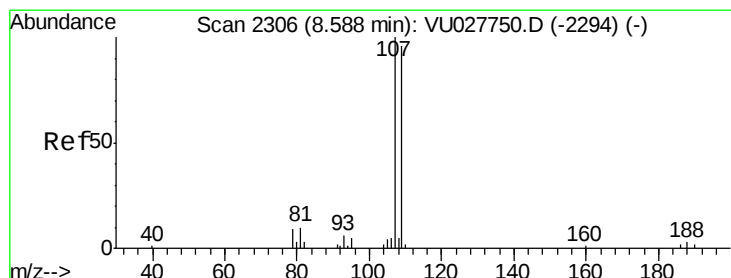
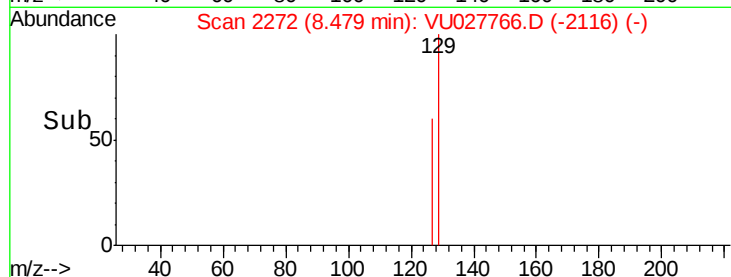
127 50.4 61.9 92.9#



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



Time-->



#56

1,2-Dibromoethane

Concen: 0.232 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU027766.D

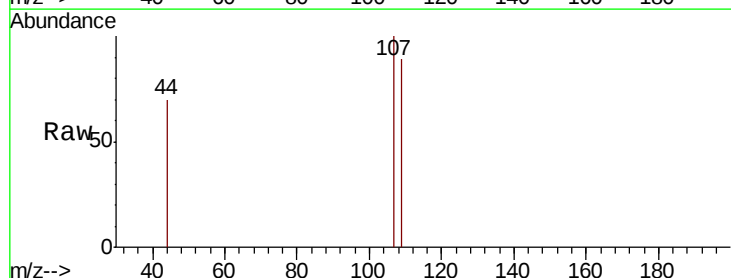
Acq: 23 Oct 2018 16:33

Tgt Ion:107 Resp: 519

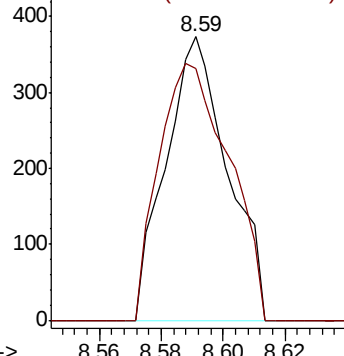
Ion Ratio Lower Upper

107 100

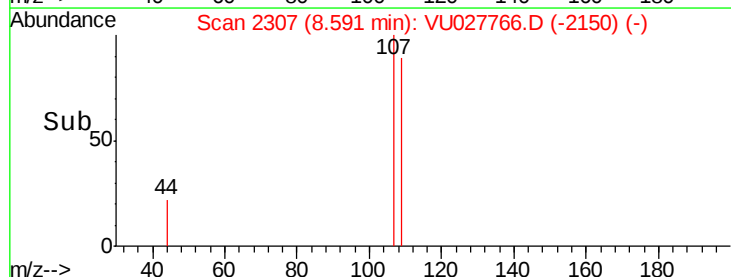
109 103.1 0.0 188.4

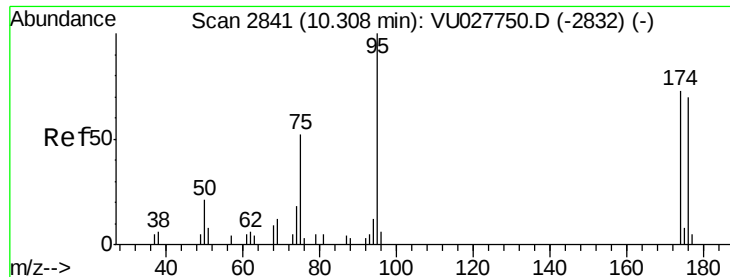


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



Time-->





#57

4-Bromofluorobenzene

Concen: 0.232 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

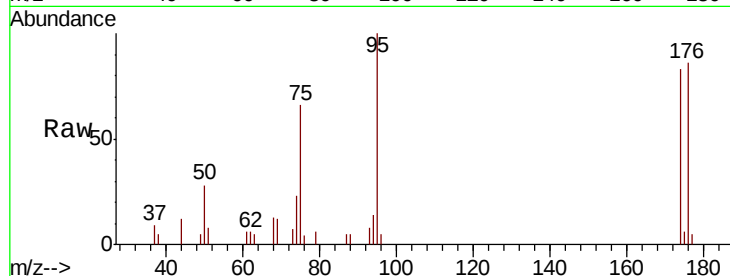
Tot Ion: 95 Resp: 4043

Ion Ratio Lower Upper

95 100

174 86.2 64.5 96.7

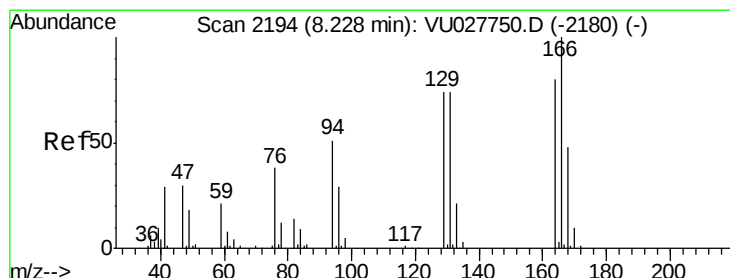
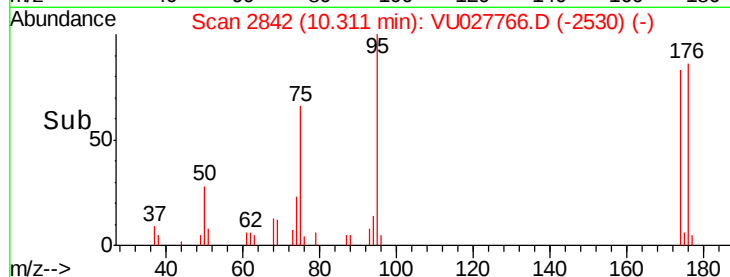
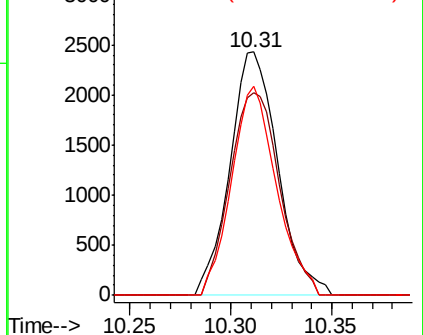
176 80.7 58.3 87.5



Abundance Ion 95.00 (94.70 to 95.70): VU027750.D (-2832) (-)

Ion 174.00 (173.70 to 174.70): VU027750.D (-2832) (-)

Ion 176.00 (175.70 to 176.70): VU027750.D (-2832) (-)



#58

Tetrachloroethene

Concen: 0.237 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Tgt Ion: 164 Resp: 729

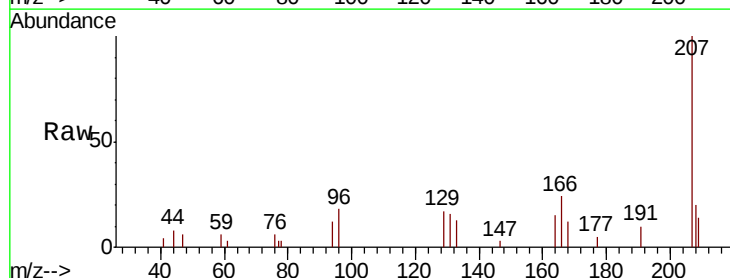
Ion Ratio Lower Upper

164 100

166 163.2 100.2 150.4#

129 114.4 73.7 110.5#

131 109.5 73.8 110.6

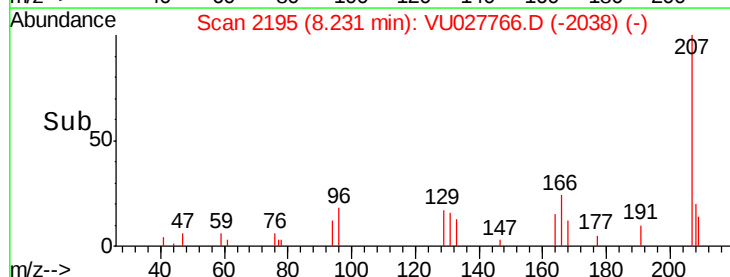
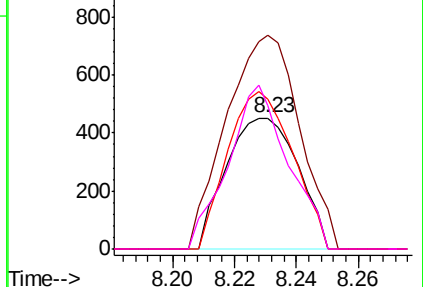


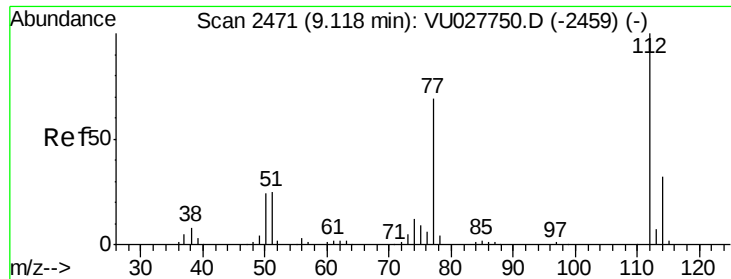
Abundance Ion 163.85 (163.55 to 164.55): VU027750.D (-2180) (-)

Ion 165.80 (165.50 to 166.50): VU027750.D (-2180) (-)

Ion 128.90 (128.60 to 129.60): VU027750.D (-2180) (-)

Ion 130.90 (130.60 to 131.60): VU027750.D (-2180) (-)





#59

Chlorobenzene

Concen: 0.266 ug/l

RT: 9.12 min Scan# 2473

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

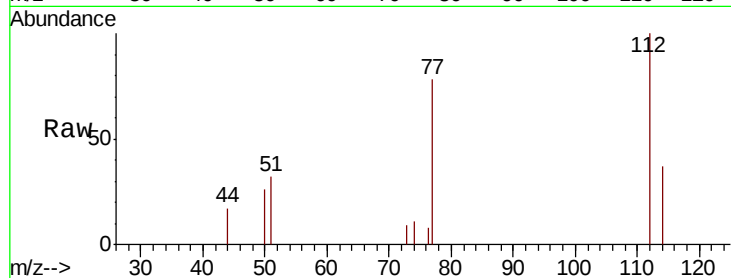
ClientSampled :

Tot Ion:112 Resp: 2234

Ion Ratio Lower Upper

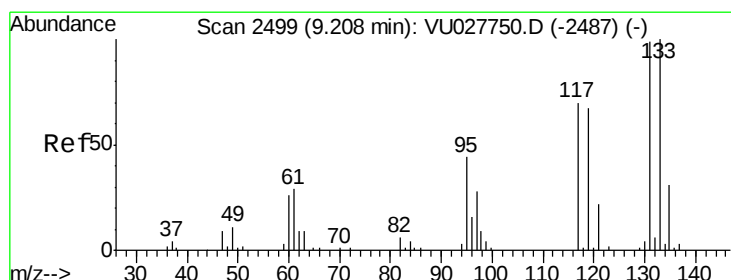
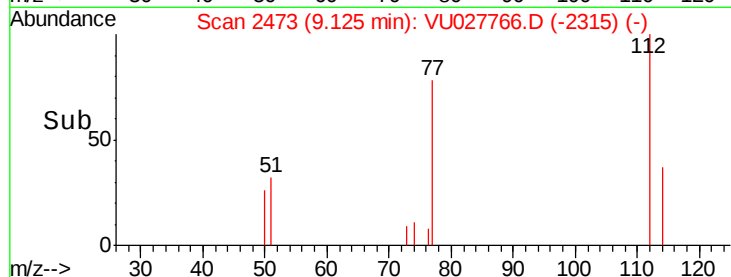
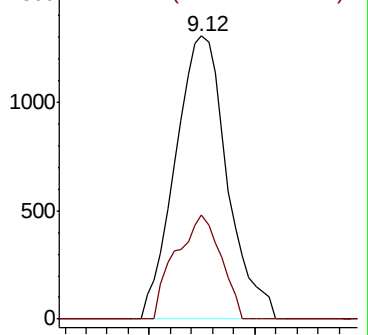
112 100

114 36.8 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.258 ug/l

RT: 9.21 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

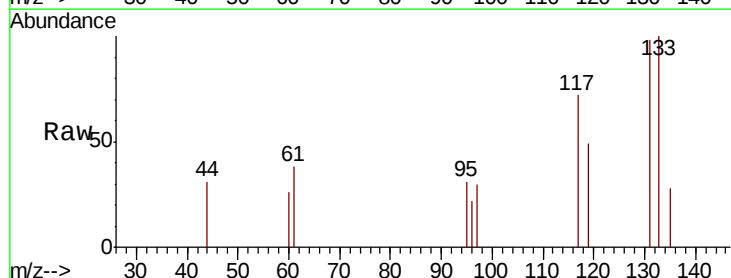
Tgt Ion:131 Resp: 788

Ion Ratio Lower Upper

131 100

133 97.5 77.5 116.3

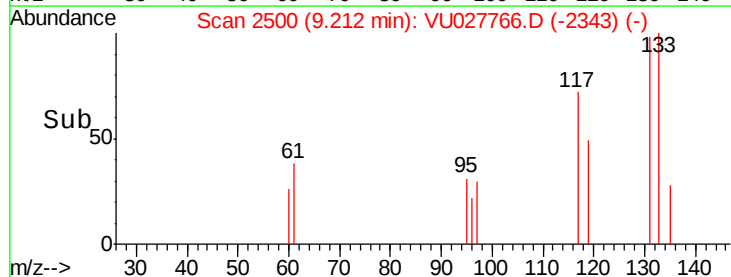
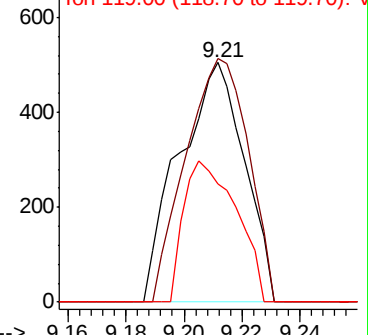
119 47.7 52.0 78.0#

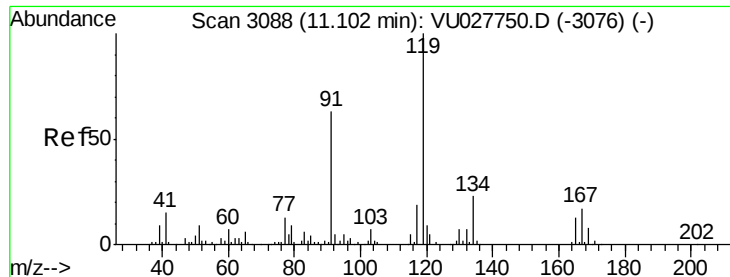


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.239 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

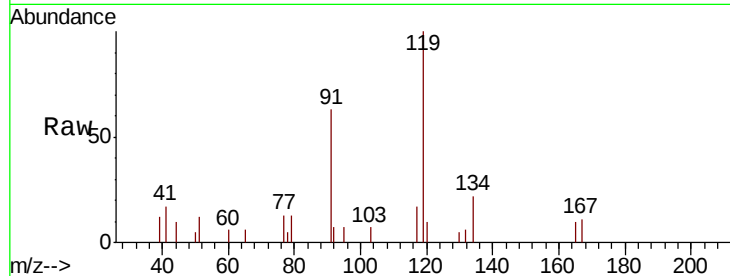
ClientSampleId :

Tot Ion:117 Resp: 544

Ion Ratio Lower Upper

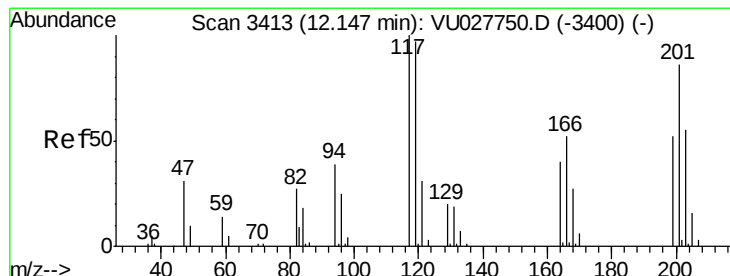
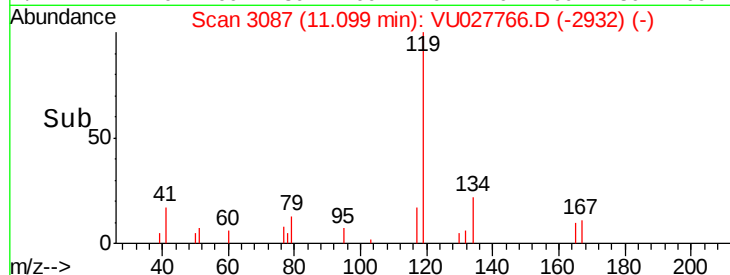
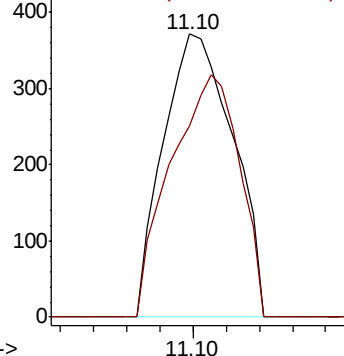
117 100

167 84.6 70.1 105.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.232 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU027766.D

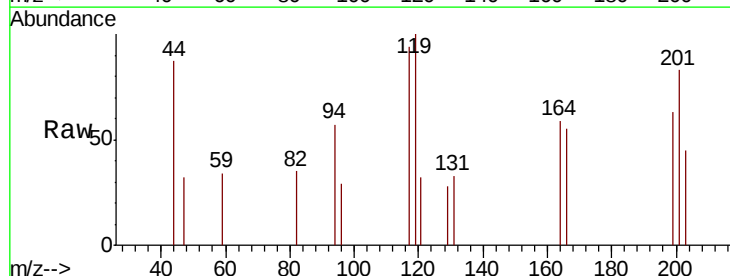
Acq: 23 Oct 2018 16:33

Tgt Ion:117 Resp: 581

Ion Ratio Lower Upper

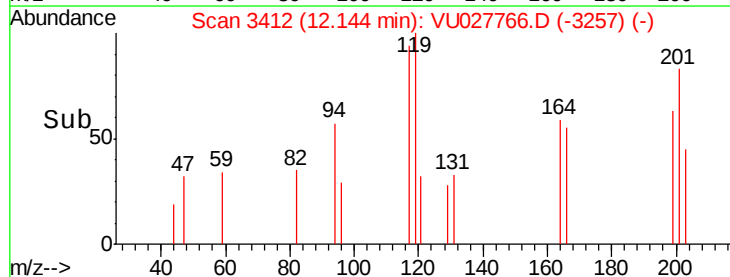
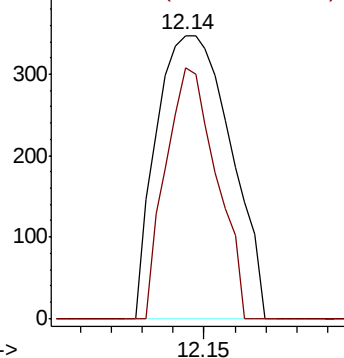
117 100

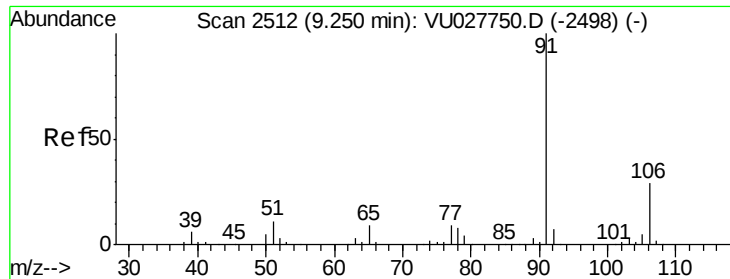
201 60.6 66.0 99.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.263 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

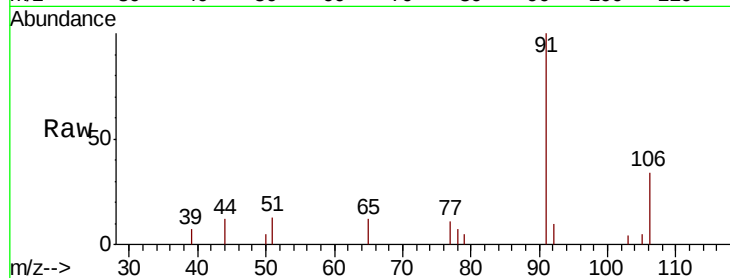
ClientSampleId :

Tot Ion: 91 Resp: 4179

Ion Ratio Lower Upper

91 100

106 34.0 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU027750.D (-2498) (-)

Ion 106.00 (105.70 to 106.70): VU027750.D (-2498) (-)

9.25

2500

2000

1500

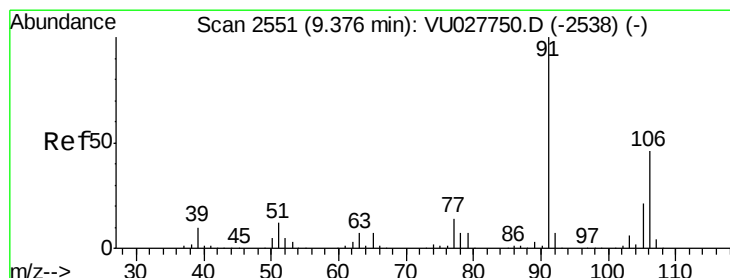
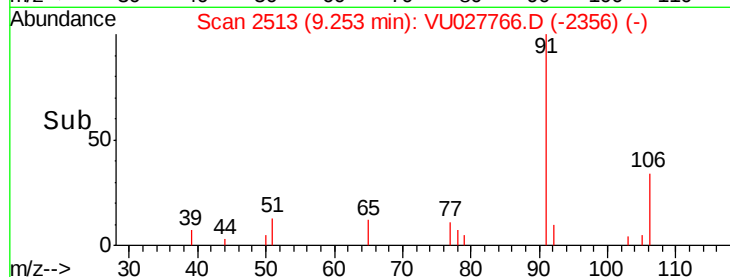
1000

500

0

9.20 9.25 9.30

Time-->



#64

m/p-Xylenes

Concen: 0.520 ug/l

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027766.D

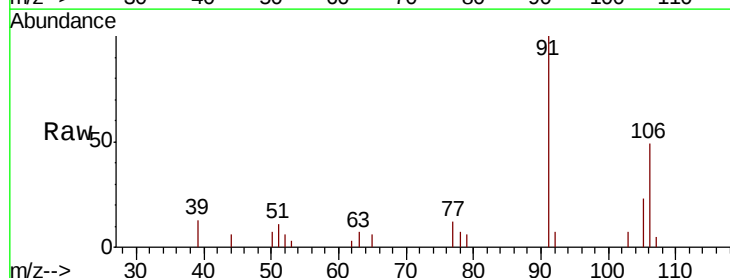
Acq: 23 Oct 2018 16:33

Tgt Ion: 106 Resp: 2950

Ion Ratio Lower Upper

106 100

91 217.2 173.3 259.9



Abundance Ion 106.00 (105.70 to 106.70): VU027750.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU027750.D (-2538) (-)

9.38

4000

3000

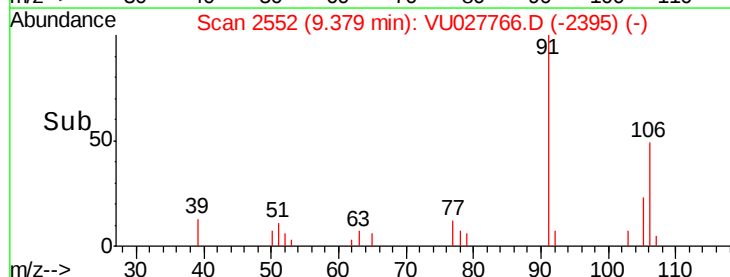
2000

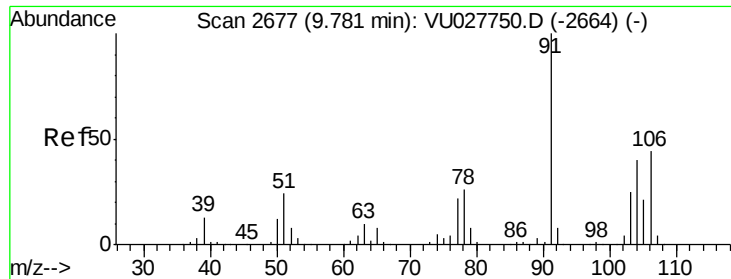
1000

0

9.35 9.40

Time-->

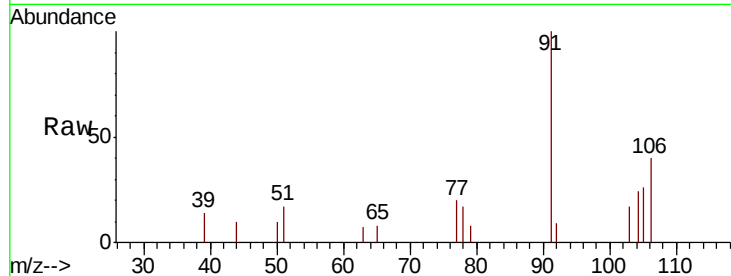




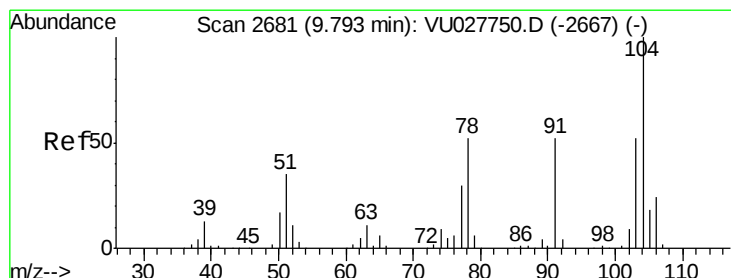
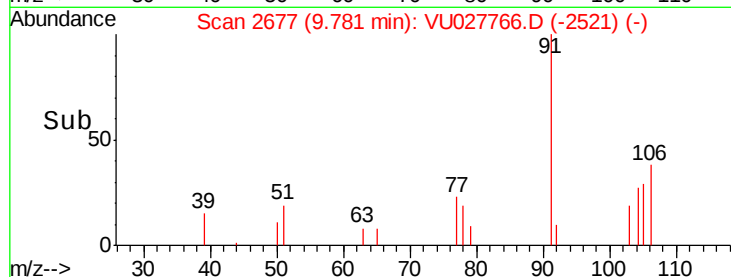
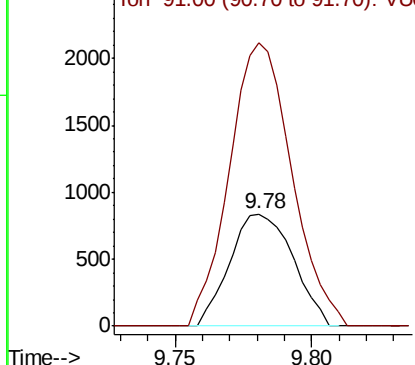
#65
o-Xylene
Concen: 0.240 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 1353
Ion Ratio Lower Upper
106 100
91 248.2 113.4 340.2

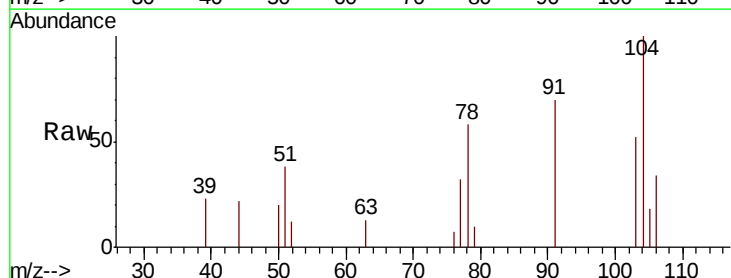


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

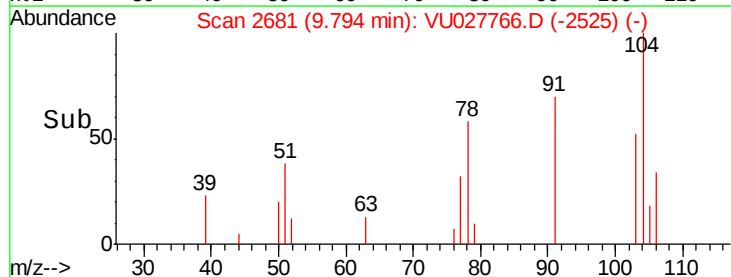
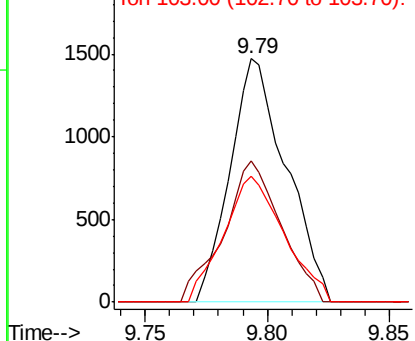


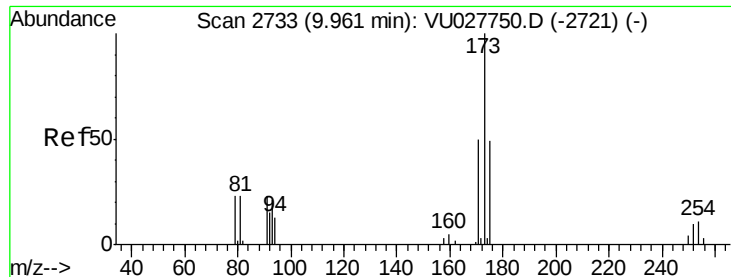
#66
Styrene
Concen: 0.253 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion:104 Resp: 2350
Ion Ratio Lower Upper
104 100
78 59.2 45.2 67.8
103 55.5 44.8 67.2



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





#67

Bromoform

Concen: 0.139 ug/l

RT: 9.96 min Scan# 2733

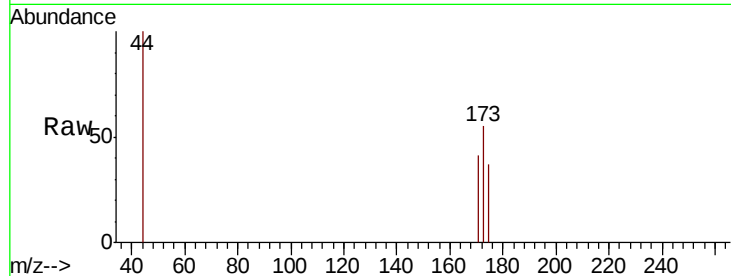
Delta R.T. 0.00 min

Lab File: VU027766.D

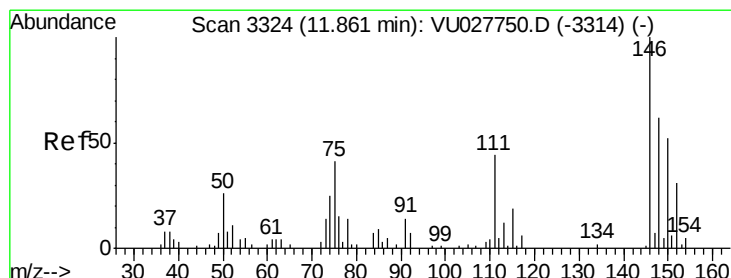
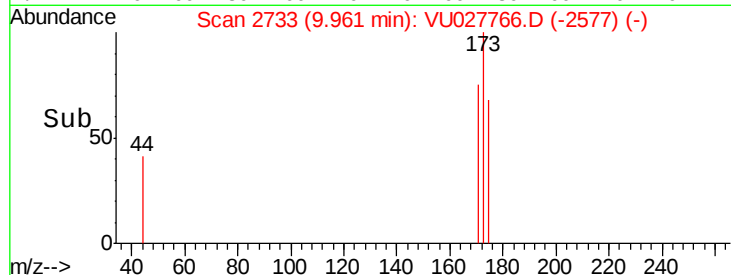
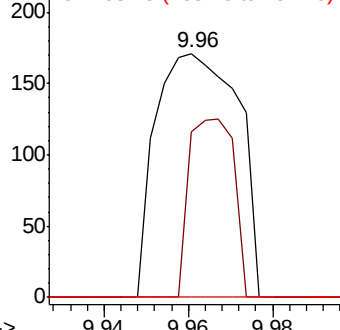
Acq: 23 Oct 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 231
Ion Ratio Lower Upper
173 100
175 39.8 39.6 59.4
254 0.0 7.8 11.6#



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: 0.139 ug/l

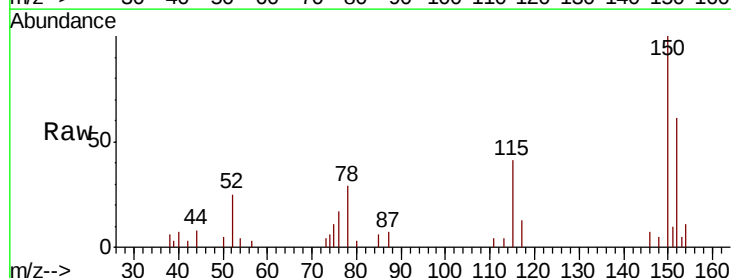
RT: 11.86 min Scan# 3325

Delta R.T. 0.00 min

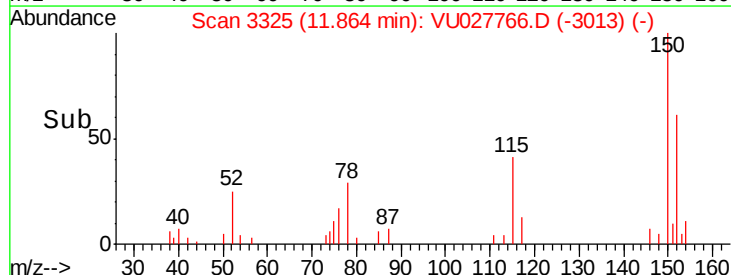
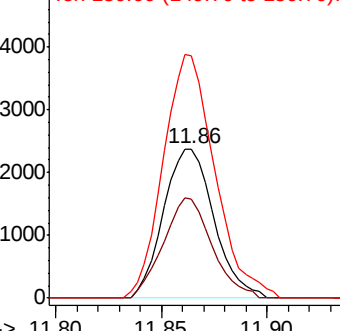
Lab File: VU027766.D

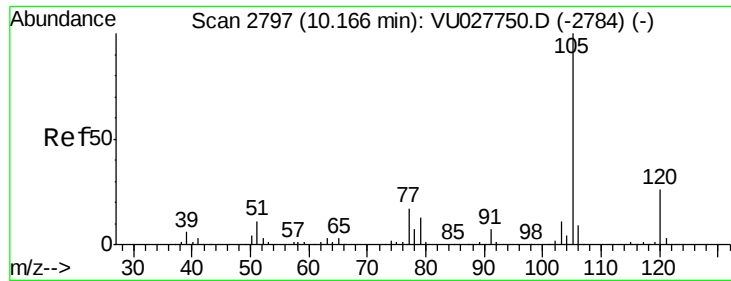
Acq: 23 Oct 2018 16:33

Tgt Ion:152 Resp: 3960
Ion Ratio Lower Upper
152 100
115 64.8 0.0 130.2
150 166.2 0.0 650.6



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: 0.263 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

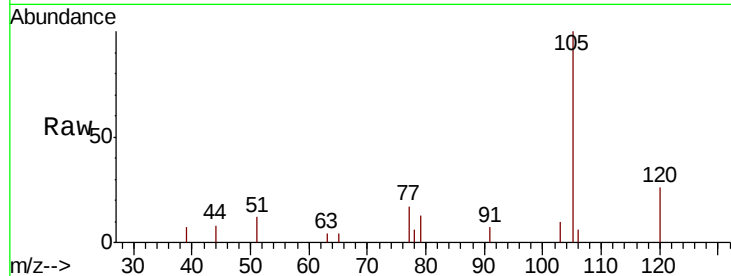
ClientSampled :

Tot Ion:105 Resp: 4045

Ion Ratio Lower Upper

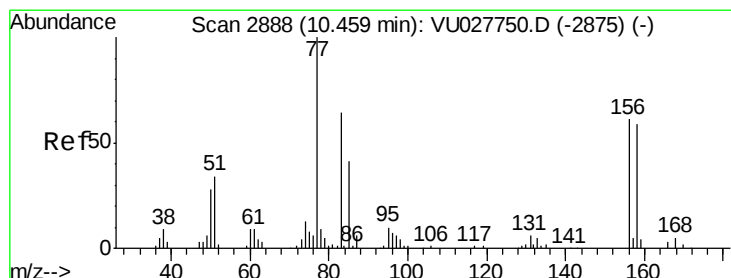
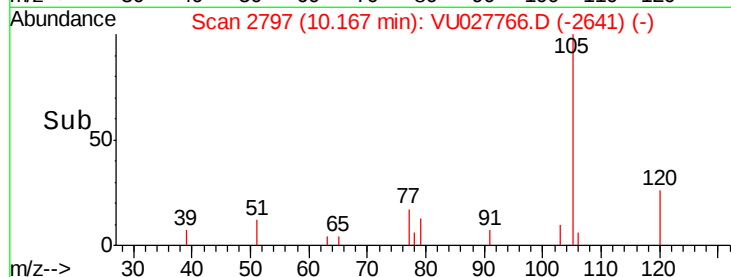
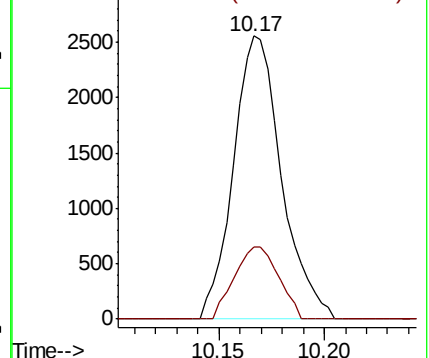
105 100

120 23.2 12.8 38.3



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: 0.245 ug/l

RT: 10.46 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

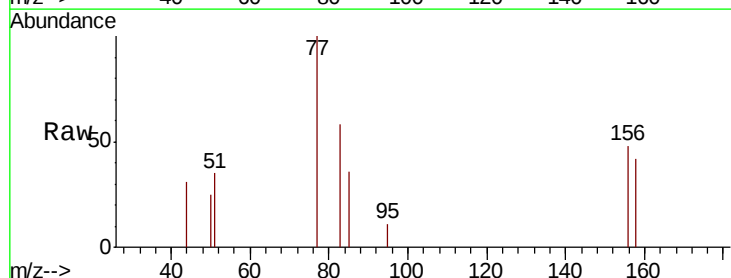
Tgt Ion: 83 Resp: 743

Ion Ratio Lower Upper

83 100

131 0.0 7.7 11.5#

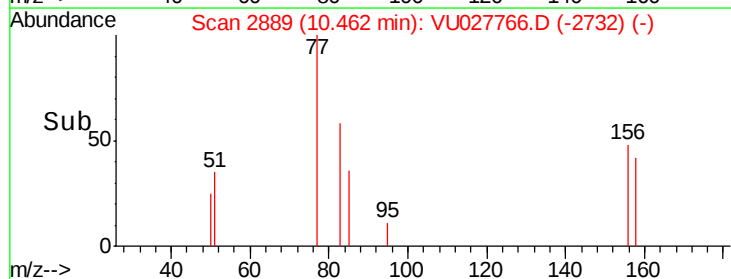
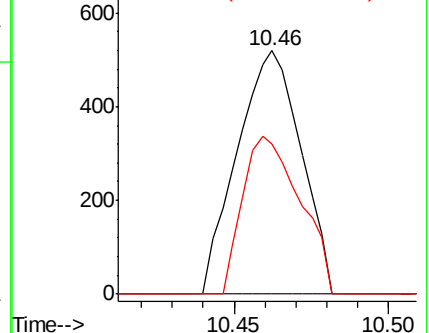
85 58.5 51.2 76.8

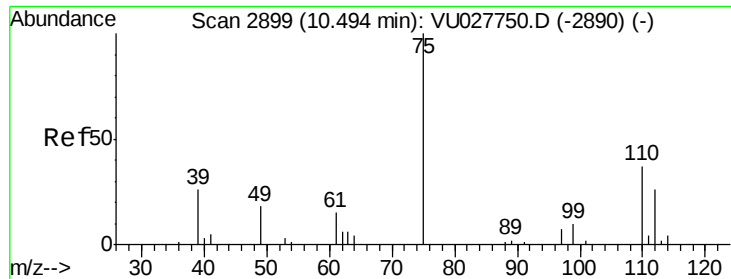


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

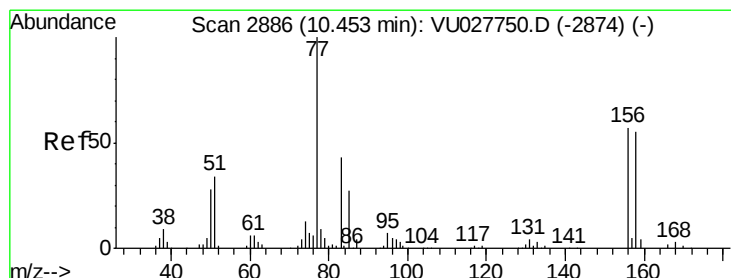
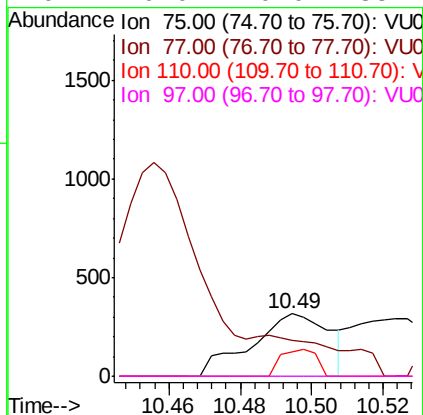
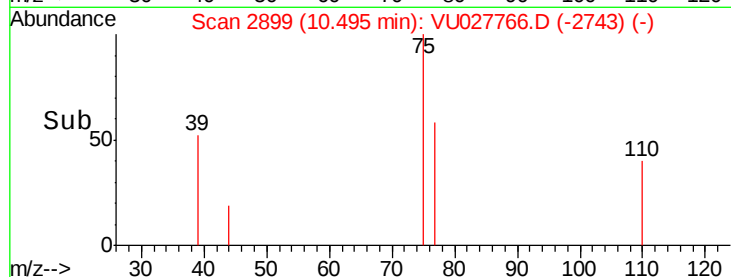
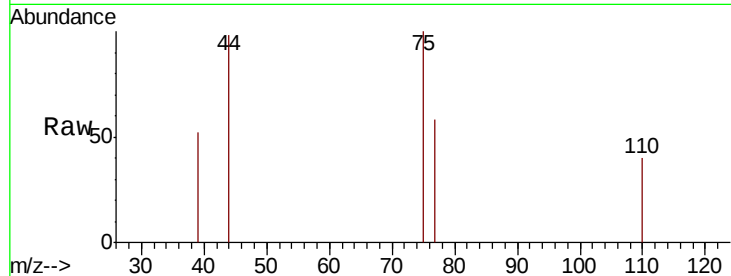




#71
 1,2,3-Trichloropropane
 Concen: 0.205 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

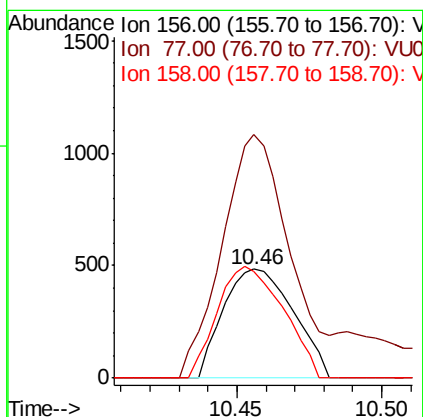
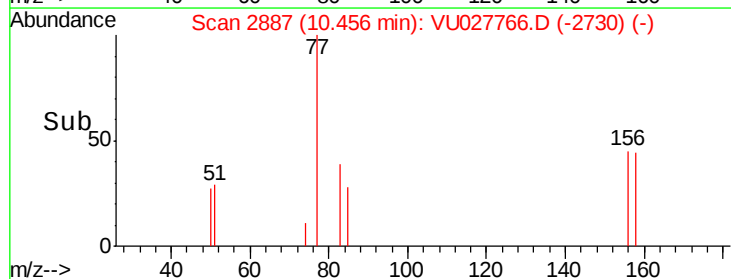
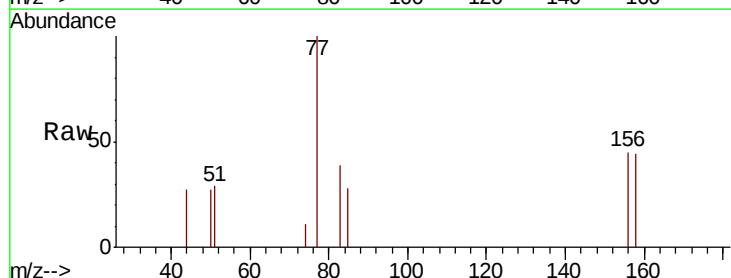
Instrument :
 MSVOA_U
 ClientSampleId :

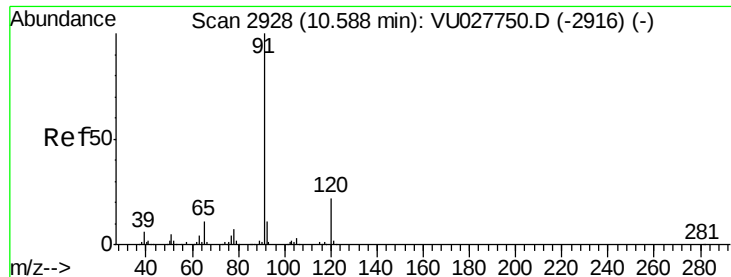
Tot Ion:	75	Resp:	482
Ion	Ratio	Lower	Upper
75	100		
77	361.2	0.0	0.0#
110	20.1	0.0	68.2
97	0.0	0.0	35.2



#72
 Bromobenzene
 Concen: 0.237 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion:	156	Resp:	813
Ion	Ratio	Lower	Upper
156	100		
77	214.1	0.0	349.4
158	96.2	0.0	191.4





#73

n-propylbenzene

Concen: 0.248 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

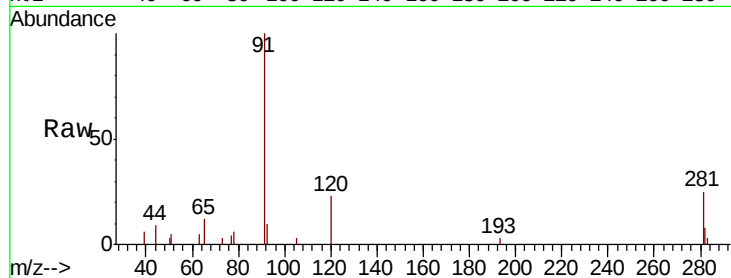
ClientSampleId :

Tot Ion:120 Resp: 984

Ion Ratio Lower Upper

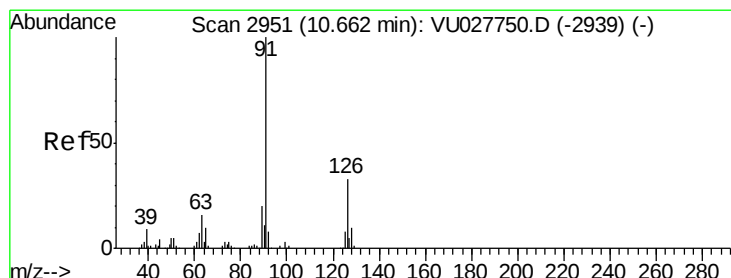
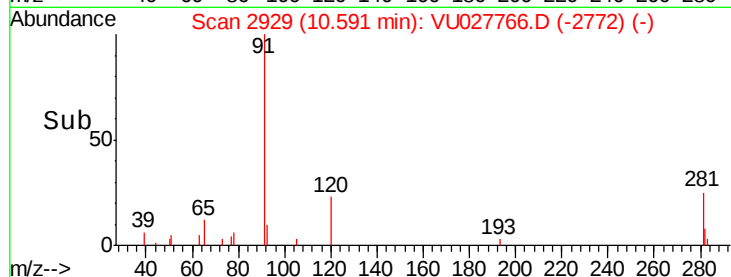
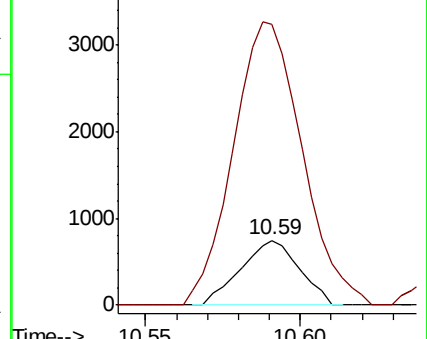
120 100

91 514.4 369.0 553.6



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.250 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027766.D

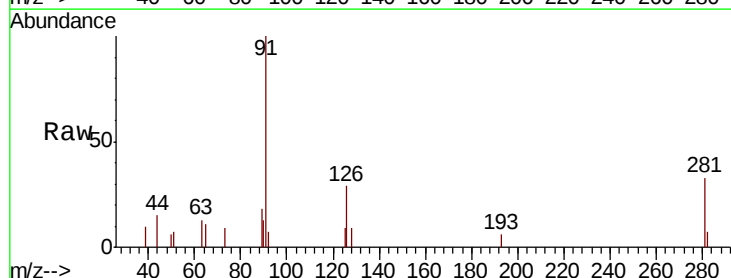
Acq: 23 Oct 2018 16:33

Tgt Ion:126 Resp: 851

Ion Ratio Lower Upper

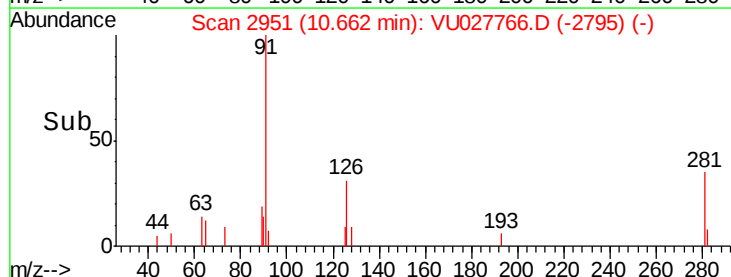
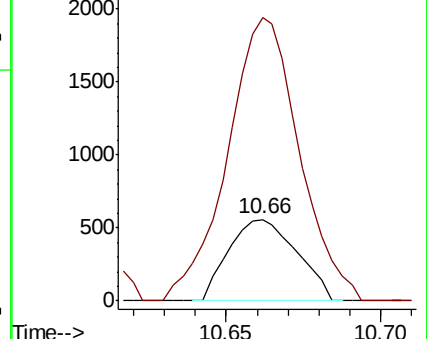
126 100

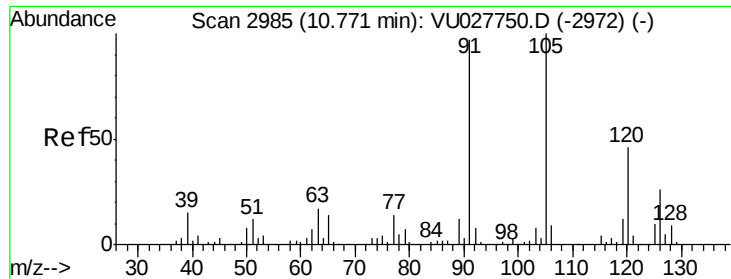
91 367.0 0.0 628.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.257 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

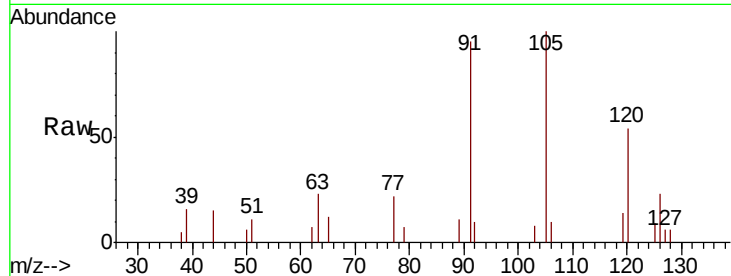
ClientSampled :

Tot Ion:105 Resp: 3302

Ion Ratio Lower Upper

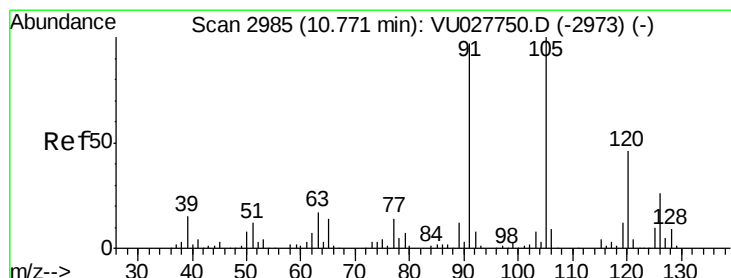
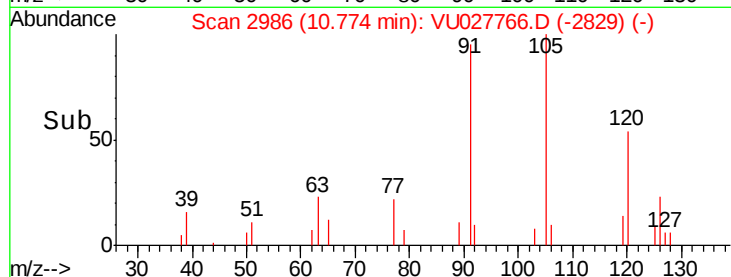
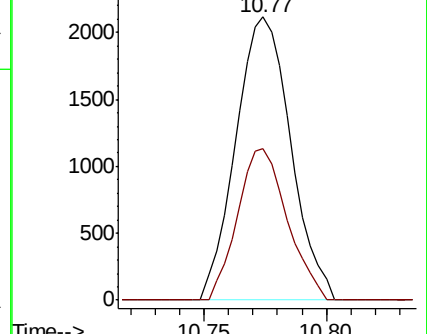
105 100

120 48.3 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.237 ug/l

RT: 10.78 min Scan# 2987

Delta R.T. 0.01 min

Lab File: VU027766.D

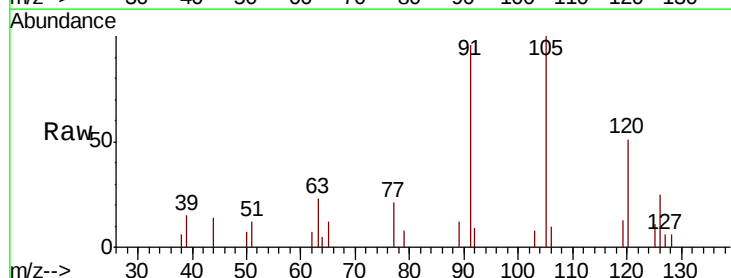
Acq: 23 Oct 2018 16:33

Tgt Ion:126 Resp: 818

Ion Ratio Lower Upper

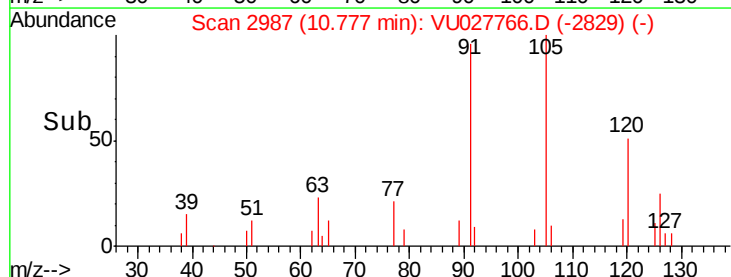
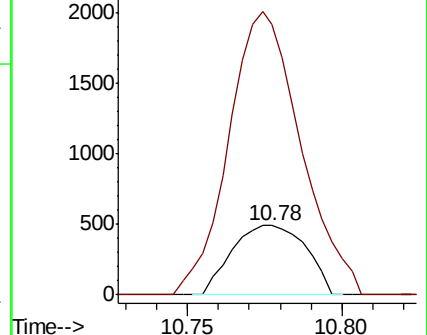
126 100

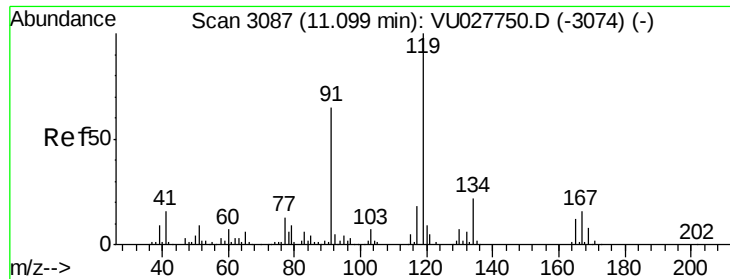
91 397.8 0.0 734.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

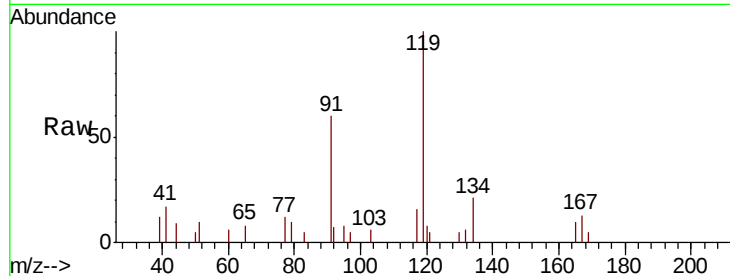




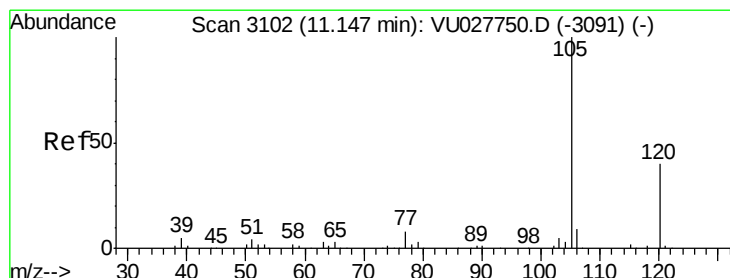
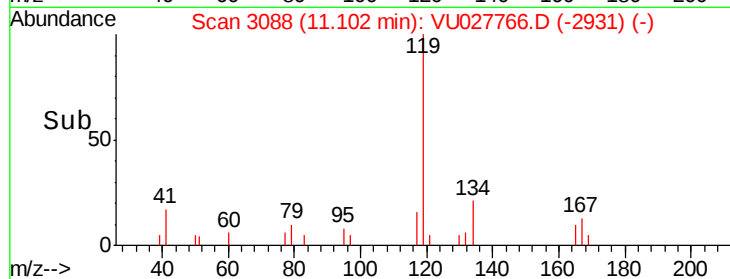
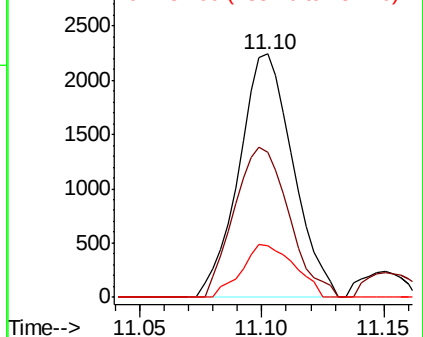
#77
tert-Butylbenzene
Concen: 0.272 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:119 Resp: 3441
Ion Ratio Lower Upper
119 100
91 62.6 31.8 95.4
134 21.2 17.7 26.5

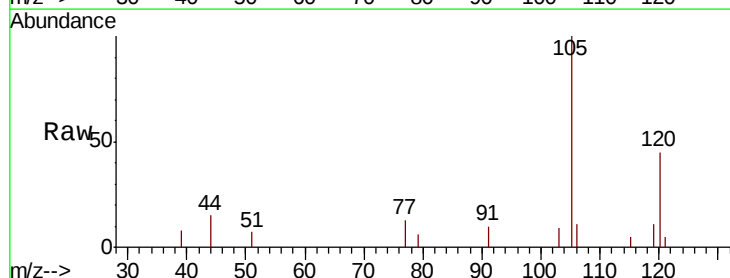


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

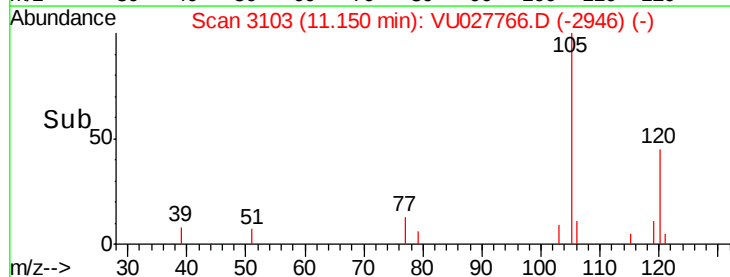
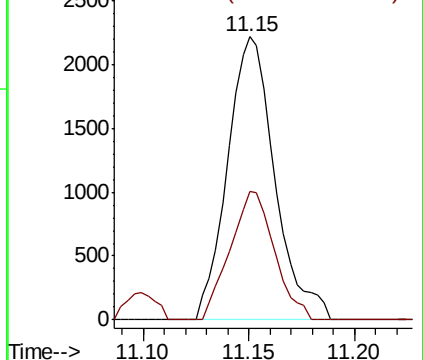


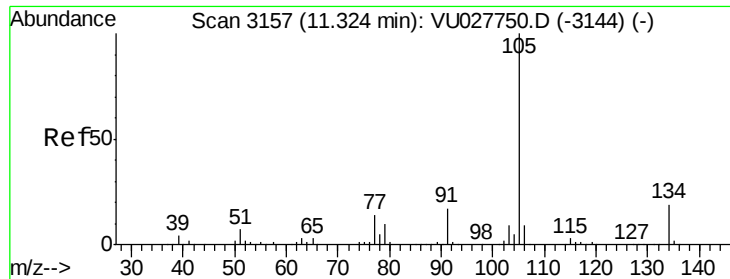
#78
1,2,4-Trimethylbenzene
Concen: 0.261 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion:105 Resp: 3451
Ion Ratio Lower Upper
105 100
120 42.5 21.6 64.6



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





#79

sec-Butylbenzene

Concen: 0.273 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

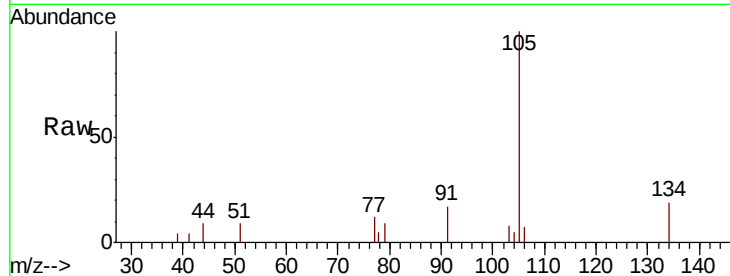
ClientSampleId :

Tot Ion:105 Resp: 4577

Ion Ratio Lower Upper

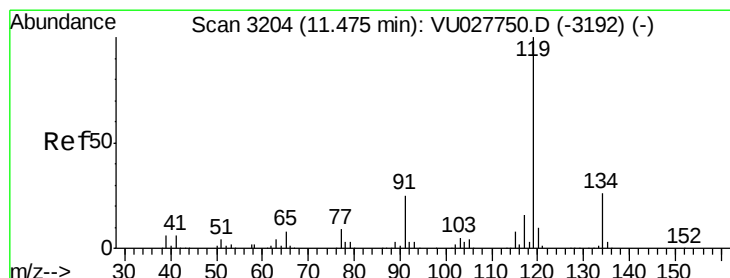
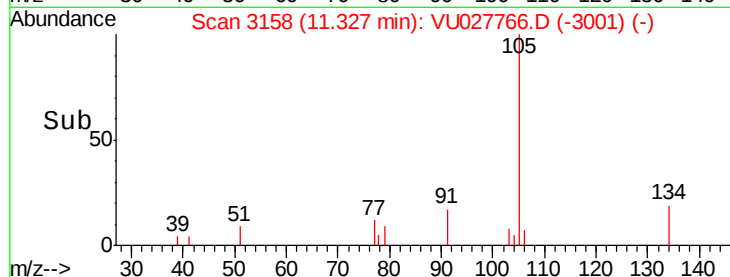
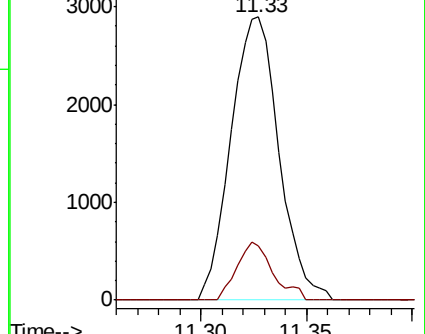
105 100

134 15.3 15.2 22.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#81

p-Isopropyltoluene

Concen: 0.269 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

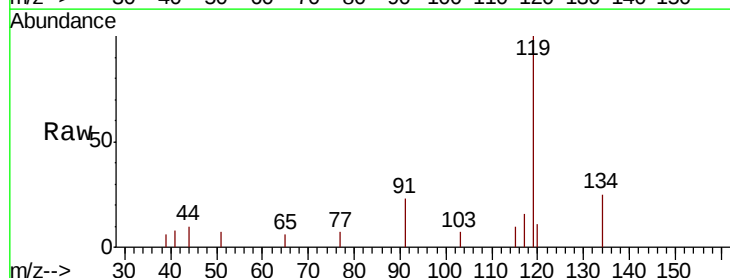
Tgt Ion:119 Resp: 3676

Ion Ratio Lower Upper

119 100

134 21.1 20.3 30.5

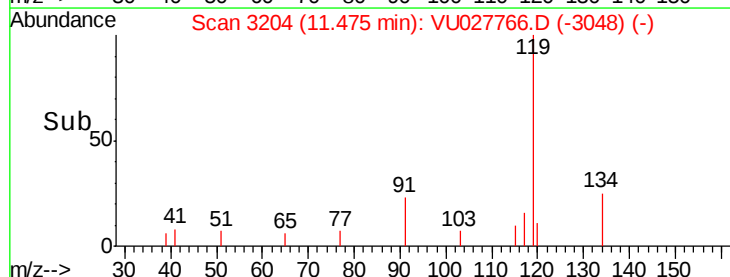
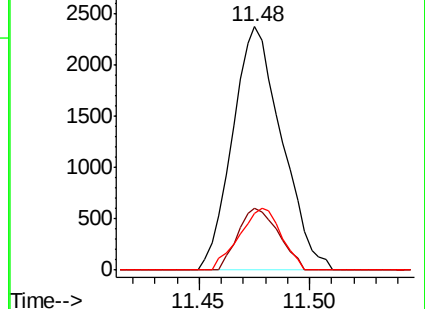
91 21.8 20.2 30.4

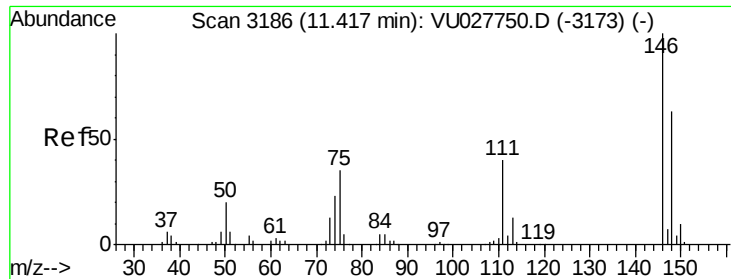


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

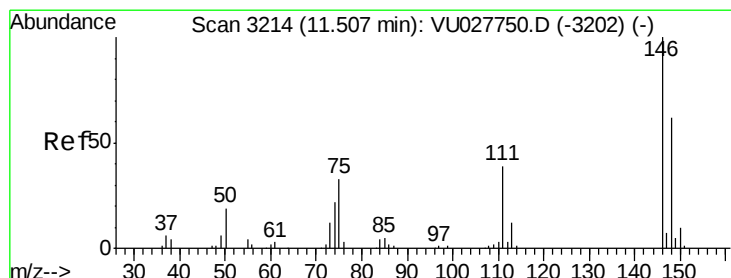
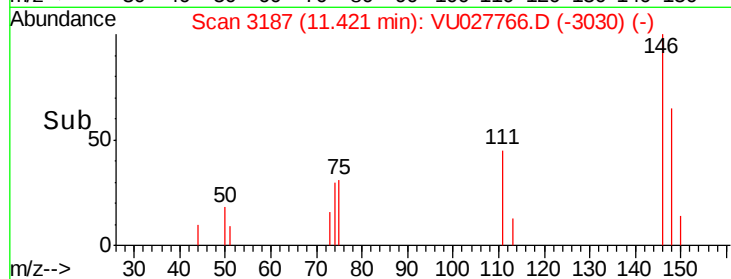
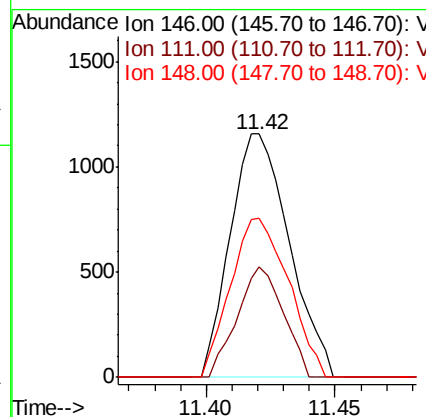
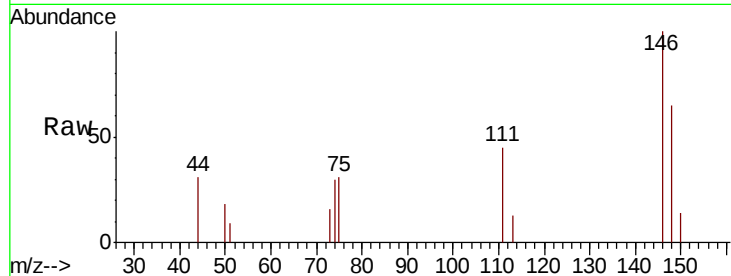




#82
 1,3-Dichlorobenzene
 Concen: 0.272 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

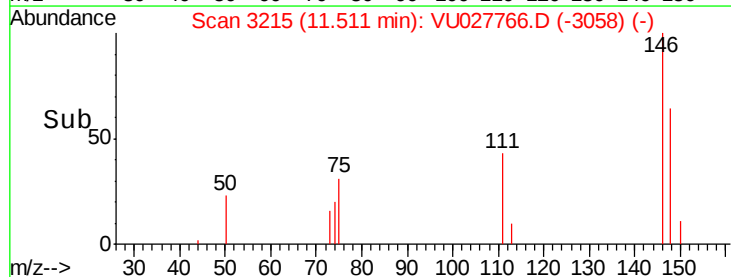
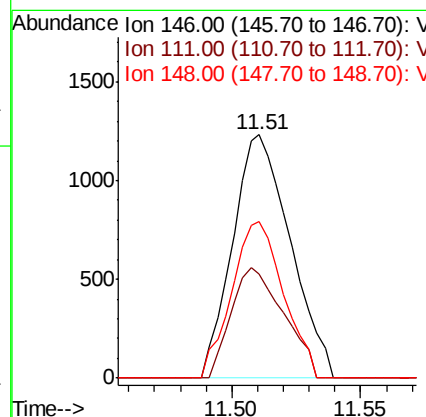
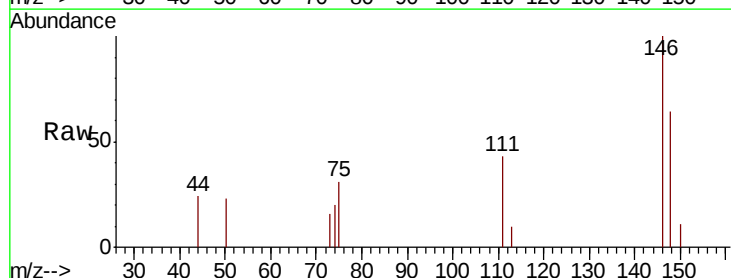
Instrument :
 MSVOA_U
 ClientSampleId :

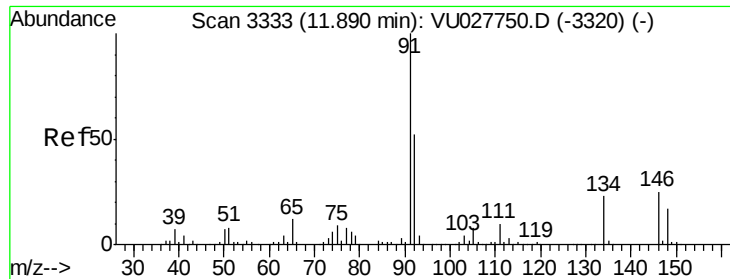
Tot Ion:146 Resp: 1847
 Ion Ratio Lower Upper
 146 100
 111 35.6 32.7 49.1
 148 64.0 50.6 75.8



#83
 1,4-Dichlorobenzene
 Concen: 0.282 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion:146 Resp: 1920
 Ion Ratio Lower Upper
 146 100
 111 41.5 32.0 48.0
 148 57.8 50.9 76.3

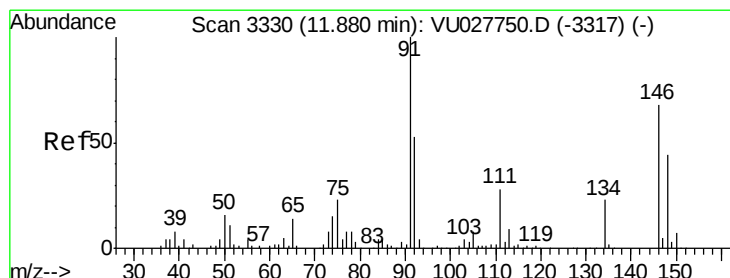
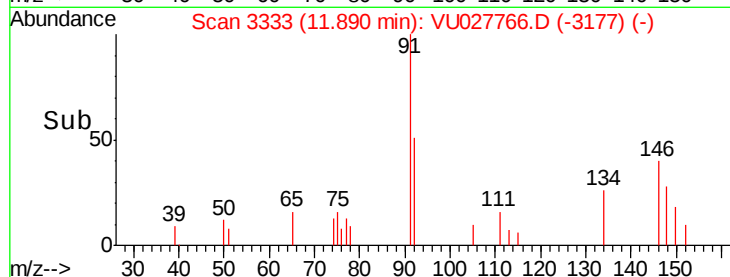
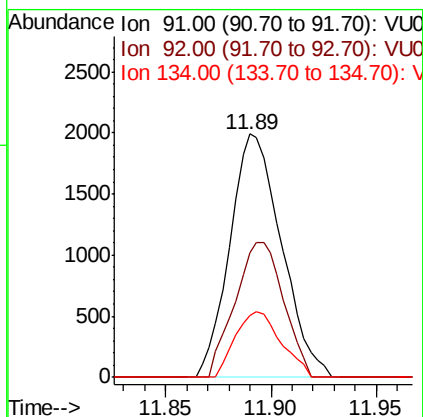
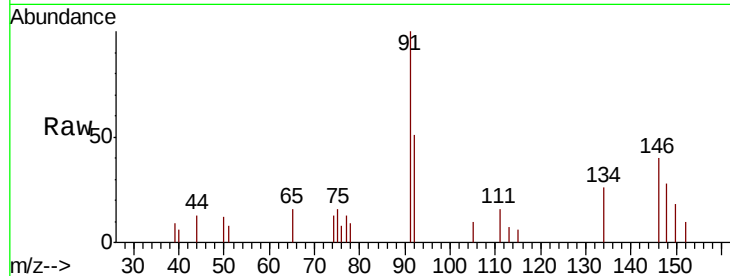




#84
n-Butylbenzene
Concen: 0.254 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

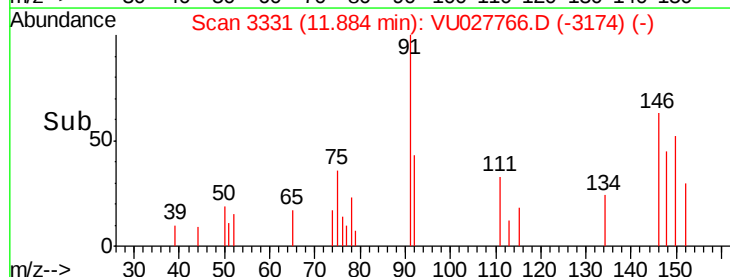
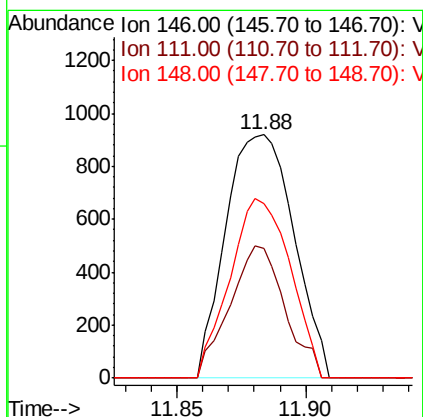
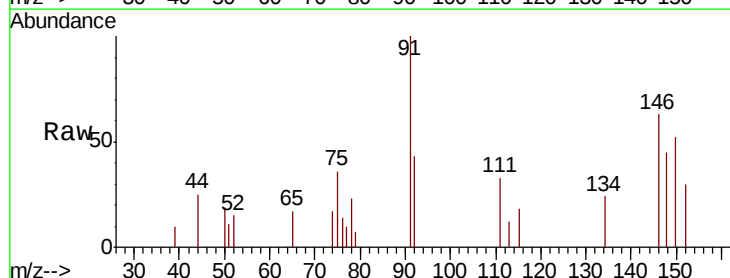
Instrument :
MSVOA_U
ClientSampled :

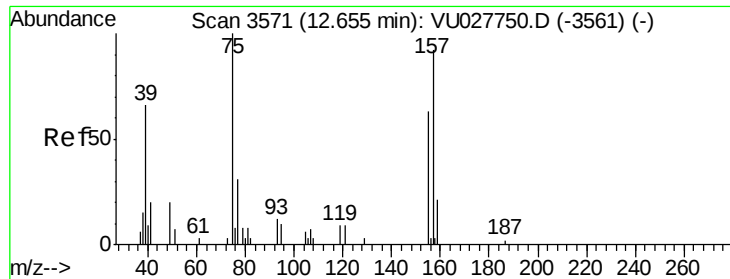
Tot Ion: 91 Resp: 3374
Ion Ratio Lower Upper
91 100
92 52.1 42.1 63.1
134 24.0 18.6 28.0



#85
1,2-Dichlorobenzene
Concen: 0.261 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 146 Resp: 1690
Ion Ratio Lower Upper
146 100
111 44.0 21.2 63.6
148 65.4 32.2 96.6

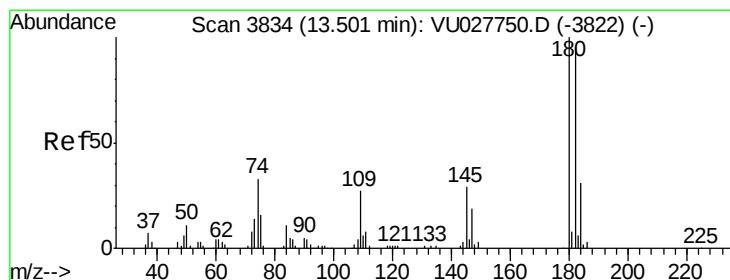
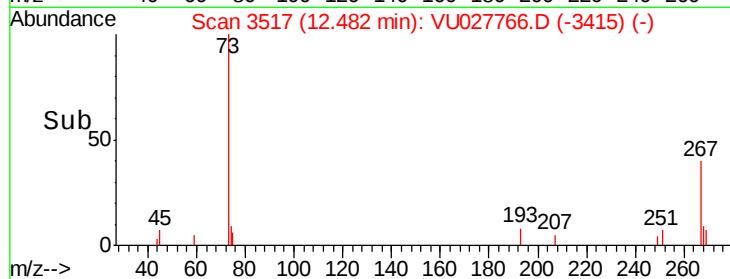
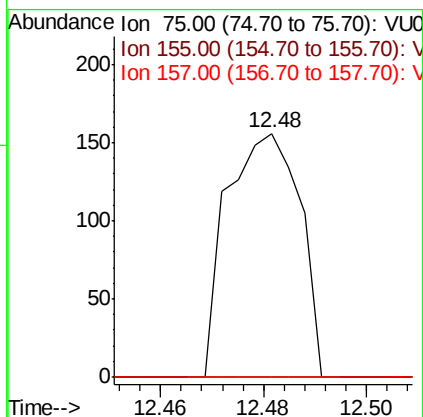
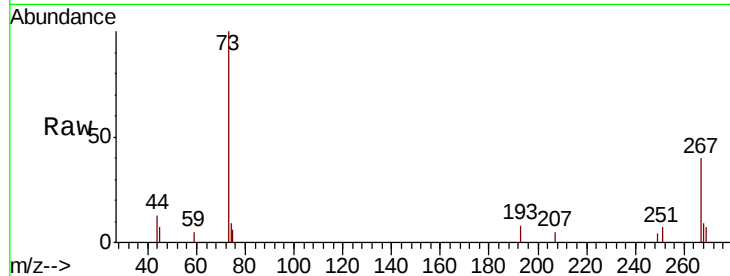




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.270 ug/l
 RT: 12.48 min Scan# 3517
 Delta R.T. -0.17 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

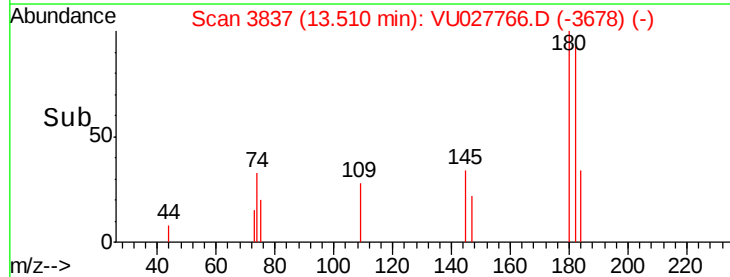
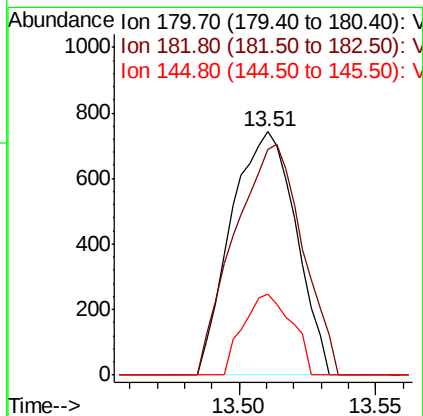
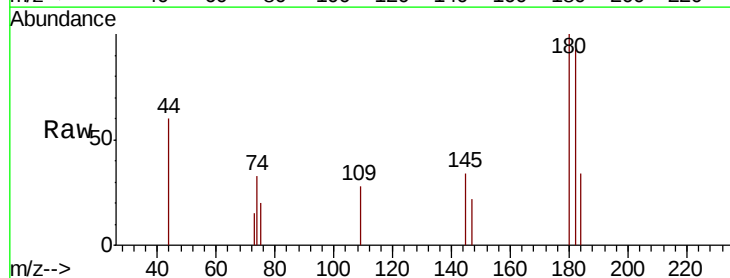
Instrument :
 MSVOA_U
 ClientSampleId :

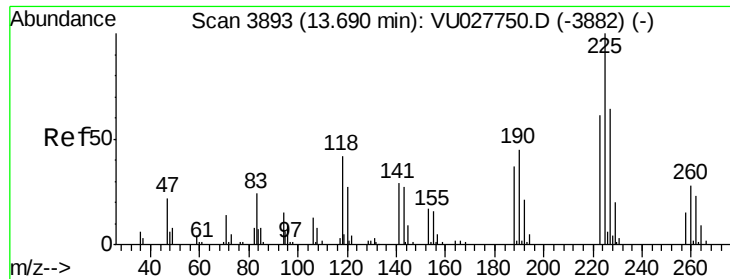
Tot Ion: 75 Resp: 152
 Ion Ratio Lower Upper
 75 100
 155 27.6 55.5 83.3#
 157 0.0 71.0 106.4#



#87
 1,2,4-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 180 Resp: 1226
 Ion Ratio Lower Upper
 180 100
 182 99.3 75.9 113.9
 145 25.0 23.6 35.4





#88

Hexachlorobutadiene

Concen: 0.257 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

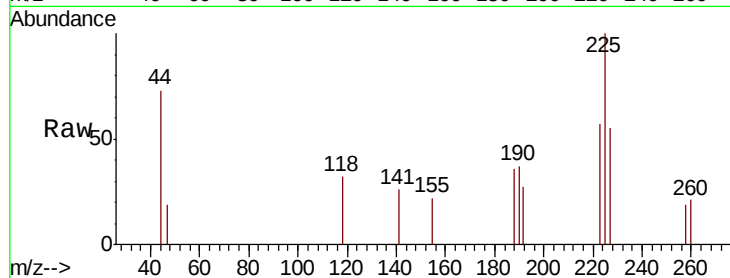
Tot Ion:225 Resp: 725

Ion Ratio Lower Upper

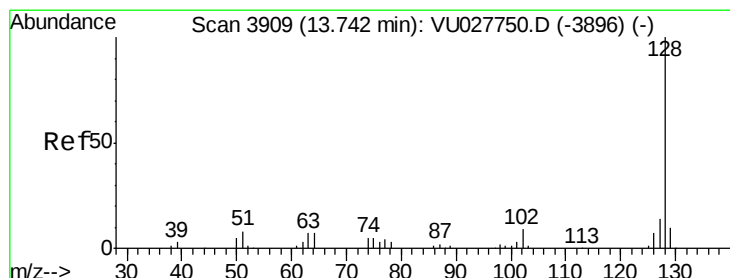
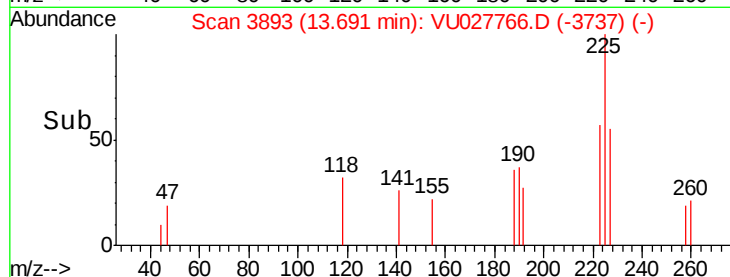
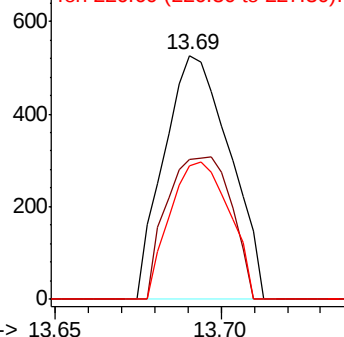
225 100

223 57.2 49.6 74.4

227 50.8 51.1 76.7#



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: 0.208 ug/l

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

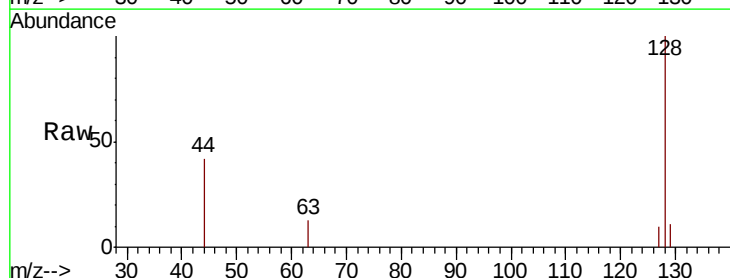
Tgt Ion:128 Resp: 1838

Ion Ratio Lower Upper

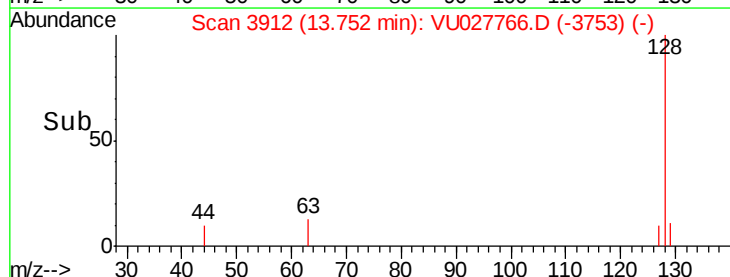
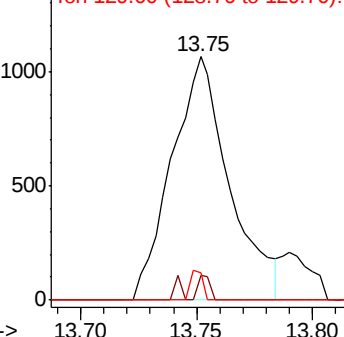
128 100

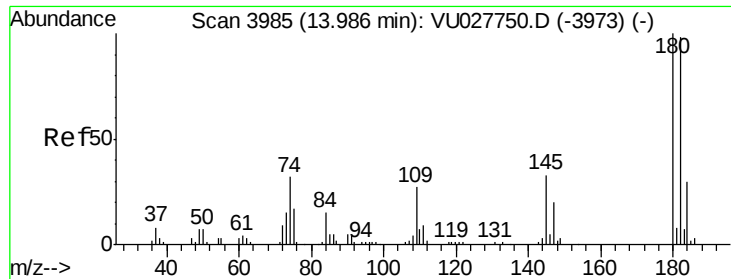
127 2.2 10.7 16.1#

129 2.6 8.5 12.7#



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: 0.218 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

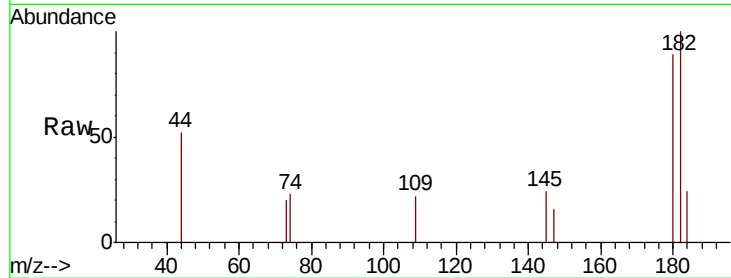
Tot Ion:180 Resp: 976

Ion Ratio Lower Upper

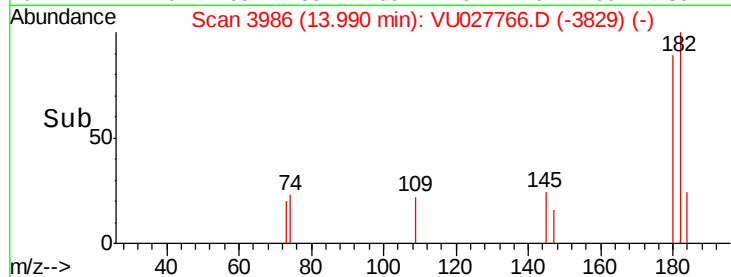
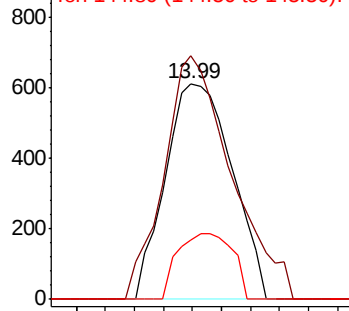
180 100

182 114.4 77.0 115.6

145 25.0 25.4 38.2#



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



Time-->