

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027765.D
 Acq On : 23 Oct 2018 16:09
 Operator : MD/SY
 Sample : J5164-07 0.25ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 24 05:14:08 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	11837	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	4326	0.96	ug/l	0.00
Spiked Amount	1.000		Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4036	0.95	ug/l	0.00
Spiked Amount	1.000		Recovery	=	95.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	1058	0.225	ug/l 92
3) Chloromethane	1.33	50	1392	0.277	ug/l 98
4) Vinyl Chloride	1.40	62	1237	0.264	ug/l 94
5) Bromomethane	1.63	94	687	0.278	ug/l 95
6) Chloroethane	1.70	64	827	0.325	ug/l 100
7) Trichlorofluoromethane	1.89	101	1549	0.271	ug/l 97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	684	0.227	ug/l # 84
9) 1,1-Dichloroethene	2.29	96	746	0.283	ug/l 79
10) Iodomethane	2.41	142	734	0.207	ug/l # 78
11) Allyl Chloride	2.60	41	1914	0.306	ug/l 92
12) Acrylonitrile	2.94	53	158	0.196	ug/l # 80
13) Acetone	2.34	43	1444	1.966	ug/l 100
14) Carbon Disulfide	2.48	76	2578	0.262	ug/l # 93
15) Methylene Chloride	2.70	84	947	0.285	ug/l 91
16) trans-1,2-Dichloroethene	2.98	96	787	0.268	ug/l 97
17) 1,1-Dichloroethane	3.44	63	1602	0.247	ug/l # 86
18) 2-Butanone	4.30	43	1635	1.341	ug/l 79
19) Cyclohexane	4.99	56	1795	0.309	ug/l # 73
20) Methylcyclohexane	6.41	83	1566	0.266	ug/l 97
21) 2,2-Dichloropropane	4.23	77	1720	0.300	ug/l # 71
22) cis-1,2-Dichloroethene	4.23	96	861	0.245	ug/l # 80
23) Diethyl Ether	2.11	59	553	0.220	ug/l # 67
24) tert-Butyl Alcohol	2.86	59	478	1.785	ug/l # 1
25) Methyl tert-Butyl Ether	3.00	73	2272	0.270	ug/l # 80
26) Bromochloromethane	4.55	128	231	0.164	ug/l 63
27) Chloroform	4.68	83	1639	0.260	ug/l 91
28) 1,1,1-Trichloroethane	4.91	97	605	0.108	ug/l # 15
29) 1,1-Dichloropropene	5.14	75	1296	0.264	ug/l 92
30) Carbon Tetrachloride	5.13	117	1249	0.249	ug/l 92
31) Isopropyl Ether	3.59	45	3150	0.270	ug/l 76
32) Ethyl-t-butyl ether	4.08	59	2474	0.239	ug/l 94
33) Tert-Amyl methyl ether	5.59	73	2106	0.239	ug/l # 86
34) Propionitrile	4.35	54	300	1.032	ug/l # 1
35) Benzene	5.39	78	3733	0.272	ug/l 93
36) 1,2-Dichloroethane	5.41	62	996	0.218	ug/l # 79
37) Trichloroethene	6.19	130	950	0.281	ug/l 95
38) 1,2-Dichloropropane	6.44	63	940	0.244	ug/l 90
39) Methacrylonitrile	4.55	41	136	0.085	ug/l # 46
40) Methyl acrylate	4.45	55	531	0.254	ug/l # 69
41) Tetrahydrofuran	4.67	42	437	0.493	ug/l # 40
42) 1-Chlorobutane	5.07	56	2020	0.261	ug/l 97

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Quant Time: Oct 24 05:14:08 2018
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
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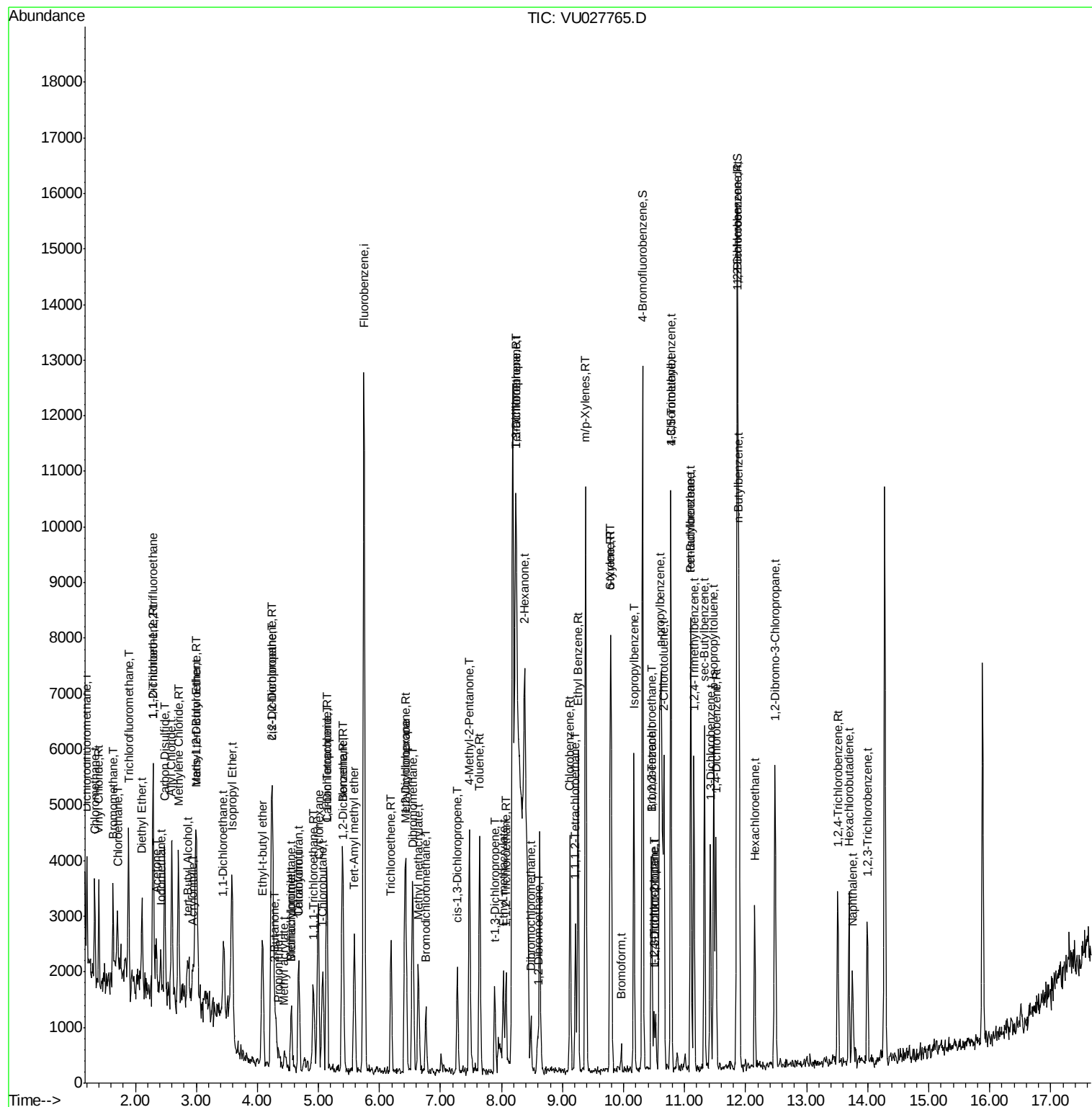
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	404	0.231	ug/l #	65
44) Bromodichloromethane	6.76	83	1060	0.223	ug/l #	89
45) 4-Methyl-2-Pentanone	7.47	43	3856	1.356	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.50	75	651	0.635	ug/l #	61
47) Methyl methacrylate	6.63	69	909	0.492	ug/l #	90
48) Ethyl methacrylate	8.03	69	989	0.258	ug/l	97
49) Toluene	7.64	92	2064	0.254	ug/l	99
50) t-1,3-Dichloropropene	7.89	75	1186	0.250	ug/l	92
51) cis-1,3-Dichloropropene	7.28	75	1447	0.259	ug/l #	88
52) 1,1,2-Trichloroethane	8.07	97	490	0.207	ug/l	91
53) 1,3-Dichloropropane	8.25	76	1114	0.245	ug/l	97
54) 2-Hexanone	8.38	43	2856	1.410	ug/l	88
55) Dibromochloromethane	8.48	129	697	0.234	ug/l	96
56) 1,2-Dibromoethane	8.59	107	505	0.217	ug/l	95
58) Tetrachloroethene	8.23	164	846	0.265	ug/l	92
59) Chlorobenzene	9.12	112	2427	0.278	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	707	0.223	ug/l #	85
61) Pentachloroethane	11.10	117	606	0.256	ug/l	96
62) Hexachloroethane	12.14	117	531	0.204	ug/l	100
63) Ethyl Benzene	9.25	91	4724	0.286	ug/l	96
64) m/p-Xylenes	9.38	106	2827	0.479	ug/l	91
65) o-Xylene	9.78	106	1432	0.245	ug/l	83
66) Styrene	9.80	104	2480	0.257	ug/l	96
67) Bromoform	9.97	173	335	0.195	ug/l #	78
69) Isopropylbenzene	10.17	105	4039	0.252	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	788	0.251	ug/l #	89
71) 1,2,3-Trichloropropane	10.50	75	651	0.266	ug/l #	64
72) Bromobenzene	10.46	156	915	0.257	ug/l	94
73) n-propylbenzene	10.59	120	969	0.235	ug/l	76
74) 2-Chlorotoluene	10.67	126	955	0.270	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	3531	0.264	ug/l	95
76) 4-Chlorotoluene	10.78	126	860	0.240	ug/l	92
77) tert-Butylbenzene	11.10	119	3606	0.275	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	3666	0.267	ug/l	98
79) sec-Butylbenzene	11.32	105	4543	0.261	ug/l	96
81) p-Isopropyltoluene	11.48	119	3656	0.257	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	2040	0.289	ug/l	92
83) 1,4-Dichlorobenzene	11.51	146	2058	0.291	ug/l	89
84) n-Butylbenzene	11.89	91	3416	0.247	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	1812	0.269	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.48	75	191	0.327	ug/l #	9
87) 1,2,4-Trichlorobenzene	13.51	180	1398	0.286	ug/l #	91
88) Hexachlorobutadiene	13.69	225	762	0.260	ug/l	97
89) Naphthalene	13.75	128	2197	0.239	ug/l #	80
90) 1,2,3-Trichlorobenzene	13.99	180	1254	0.269	ug/l #	96

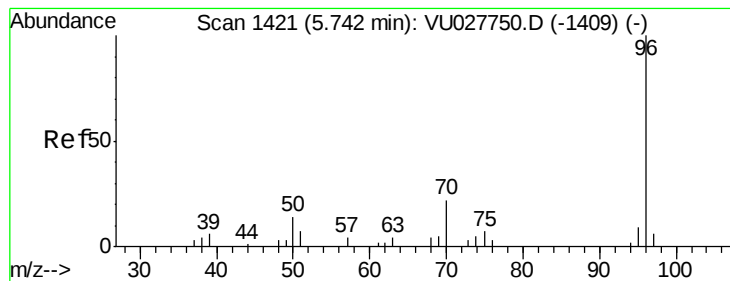
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1422

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 11837

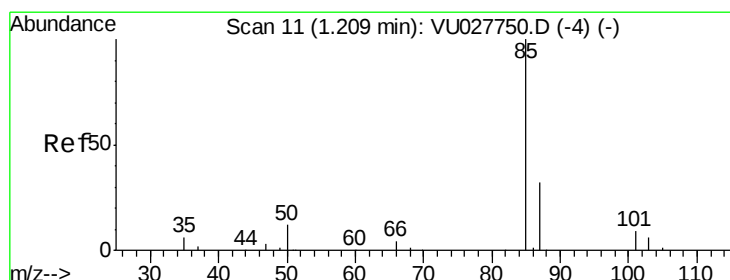
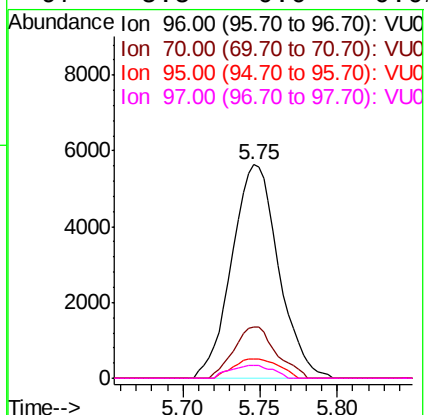
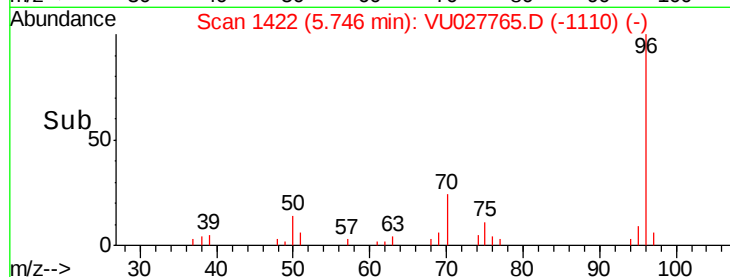
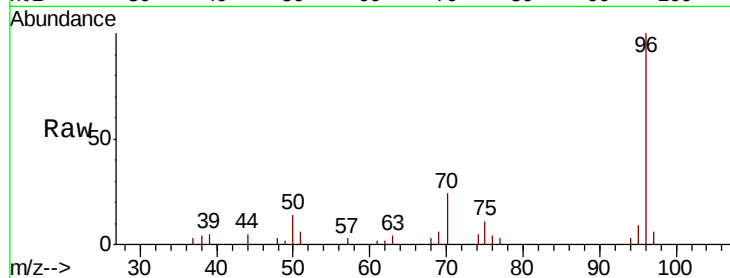
Ion Ratio Lower Upper

96 100

70 21.6 17.7 26.5

95 8.8 7.0 10.6

97 5.5 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.225 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027765.D

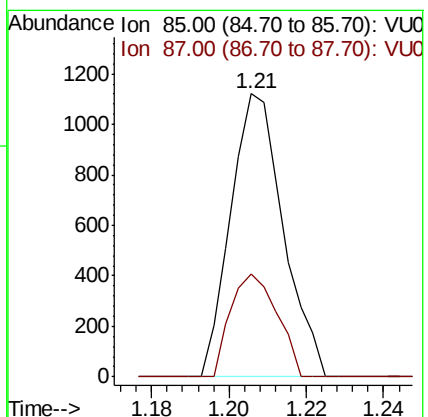
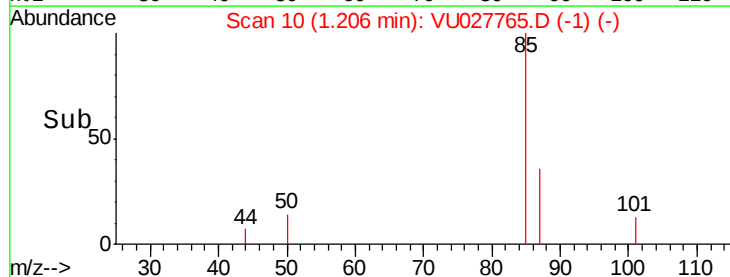
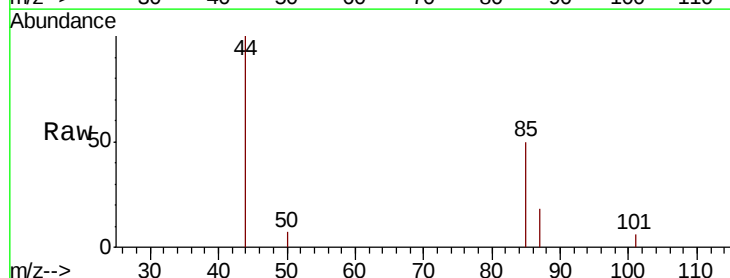
Acq: 23 Oct 2018 16:09

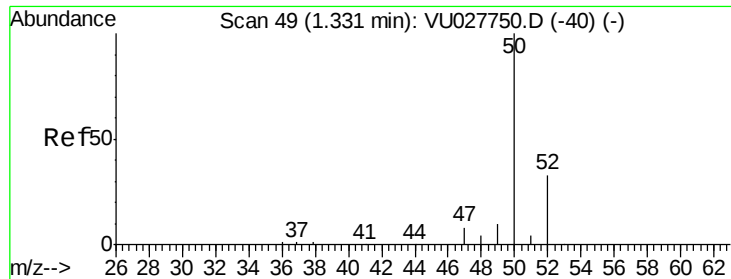
Tgt Ion: 85 Resp: 1058

Ion Ratio Lower Upper

85 100

87 36.3 15.9 47.6

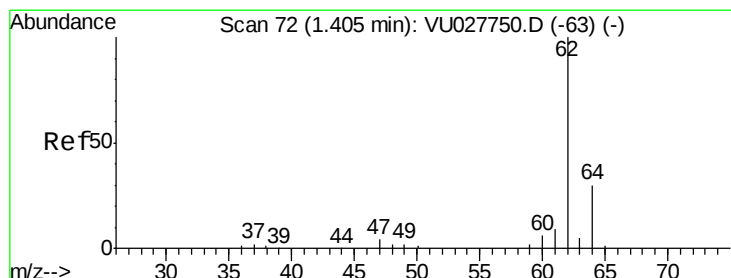
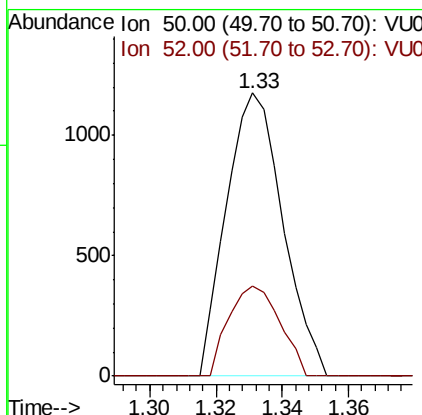
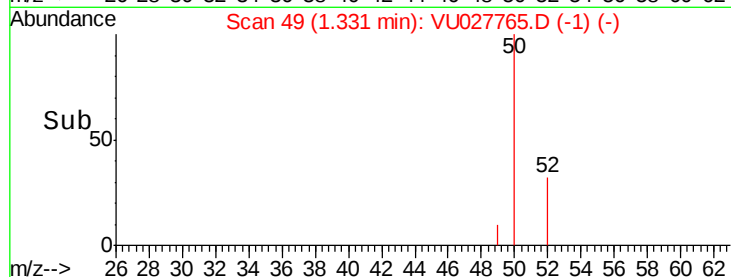
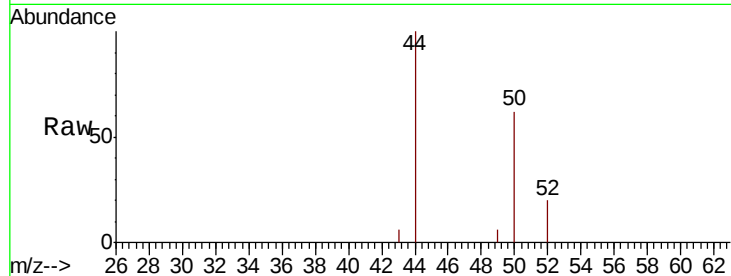




#3
 Chloromethane
 Concen: 0.277 ug/l
 RT: 1.33 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

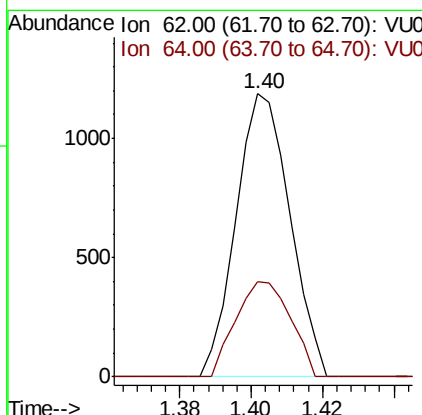
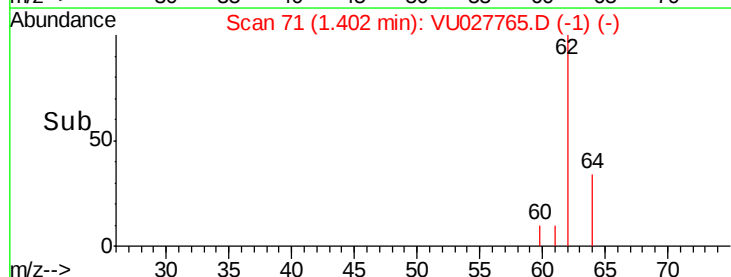
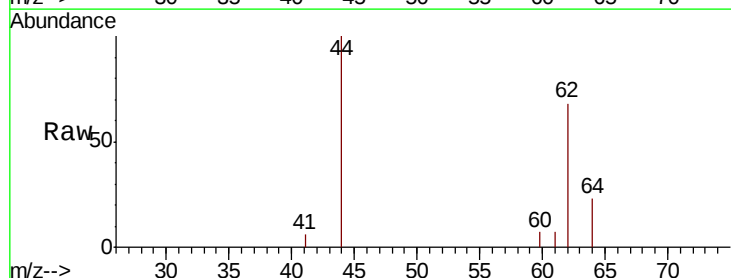
Instrument :
 MSVOA_U
 ClientSampleId :

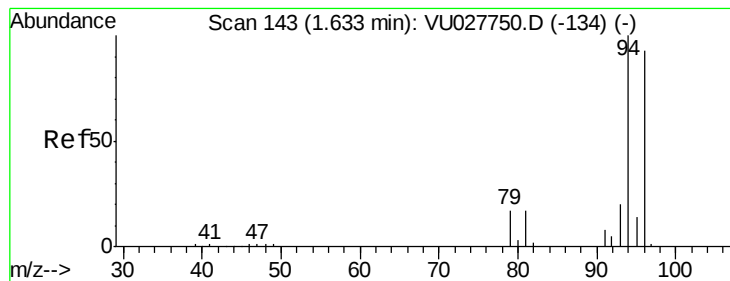
Tot Ion: 50 Resp: 1392
 Ion Ratio Lower Upper
 50 100
 52 32.0 26.6 40.0



#4
 Vinyl Chloride
 Concen: 0.264 ug/l
 RT: 1.40 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Tgt Ion: 62 Resp: 1237
 Ion Ratio Lower Upper
 62 100
 64 33.8 24.3 36.5





#5

Bromomethane

Concen: 0.278 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

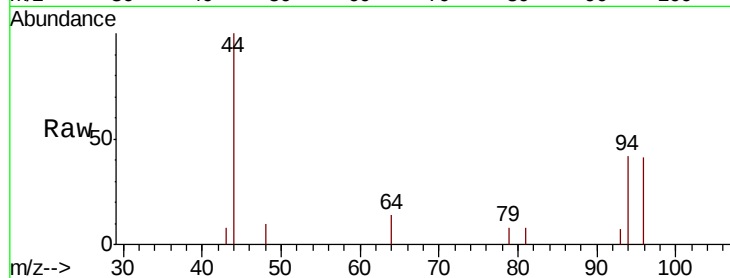
ClientSampleId :

Tot Ion: 94 Resp: 687

Ion Ratio Lower Upper

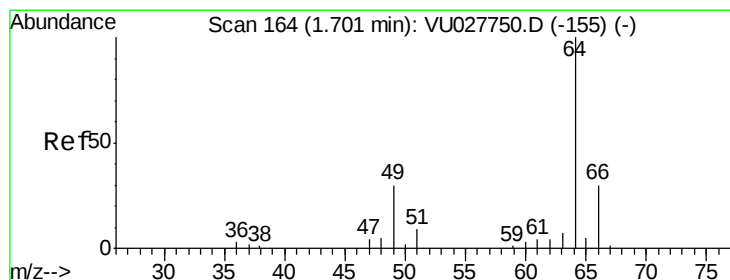
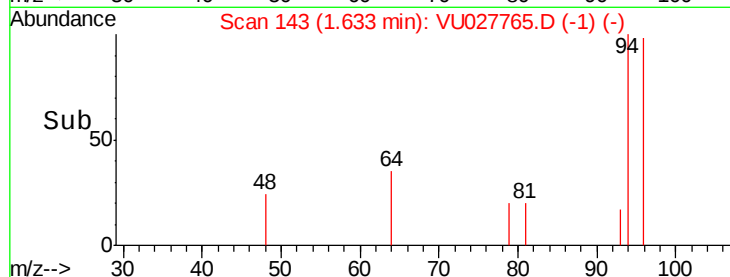
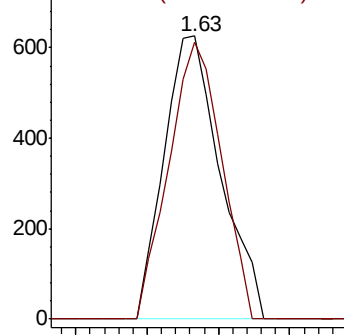
94 100

96 97.6 74.2 111.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.325 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027765.D

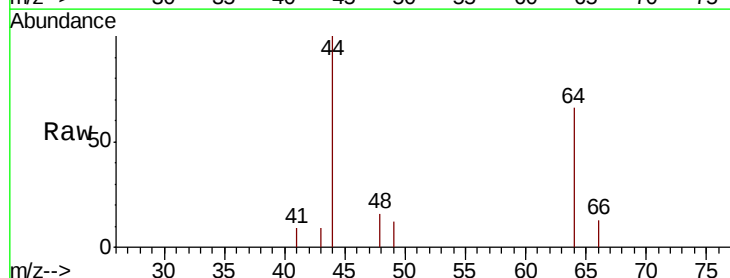
Acq: 23 Oct 2018 16:09

Tgt Ion: 64 Resp: 827

Ion Ratio Lower Upper

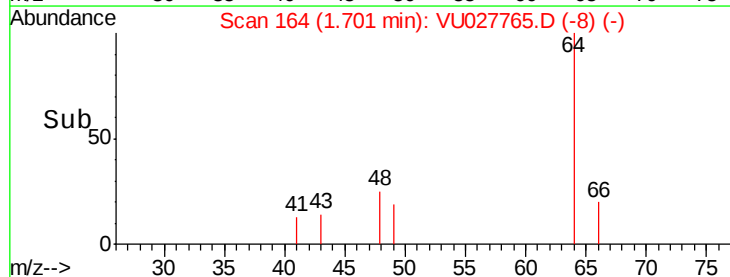
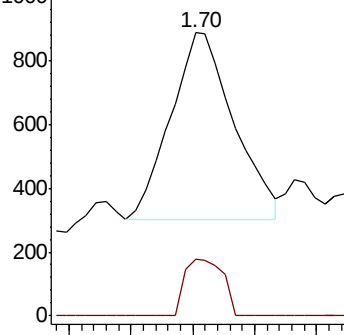
64 100

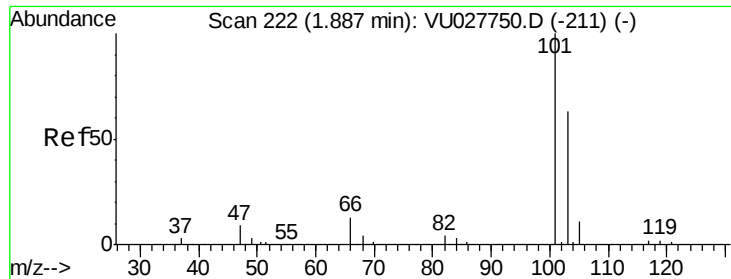
66 30.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



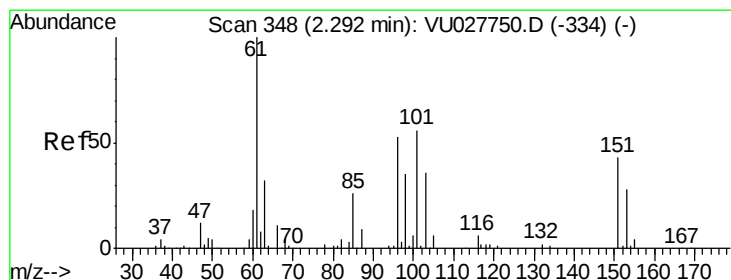
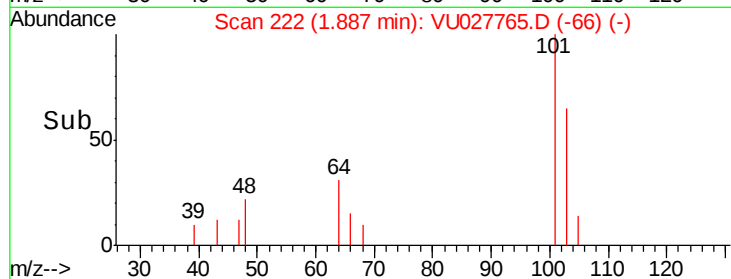
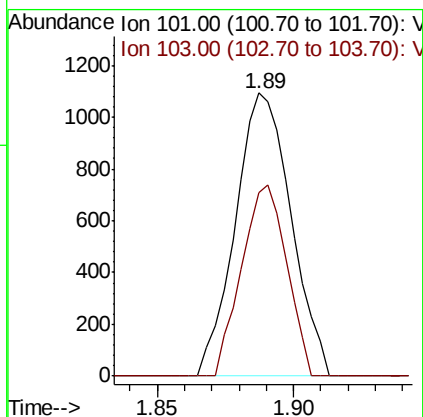
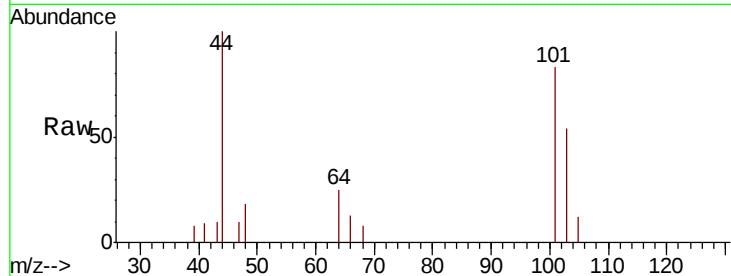


#7

Trichlorofluoromethane
 Concen: 0.271 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Instrument :
 MSVOA_U
 ClientSampled :

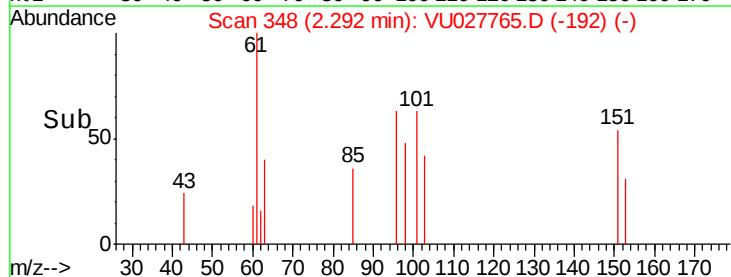
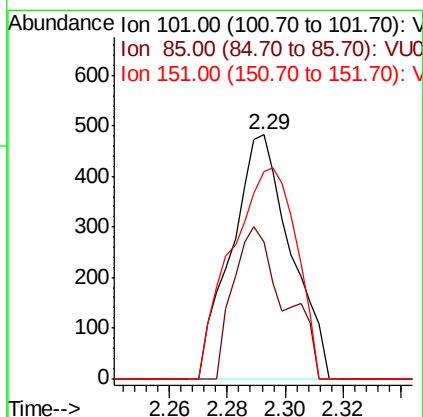
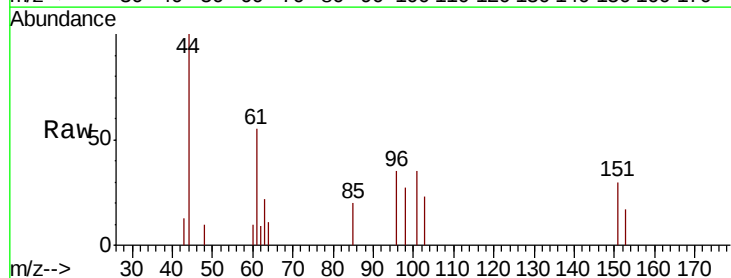
Tot Ion:101 Resp: 1549
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.2 75.2

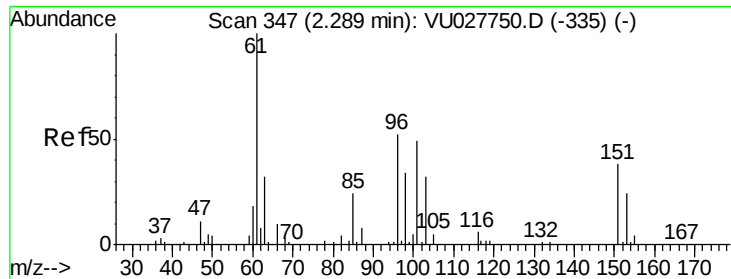


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.227 ug/l
 RT: 2.29 min Scan# 348
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Tgt Ion:101 Resp: 684
 Ion Ratio Lower Upper
 101 100
 85 53.7 38.2 57.2
 151 94.9 61.8 92.8#

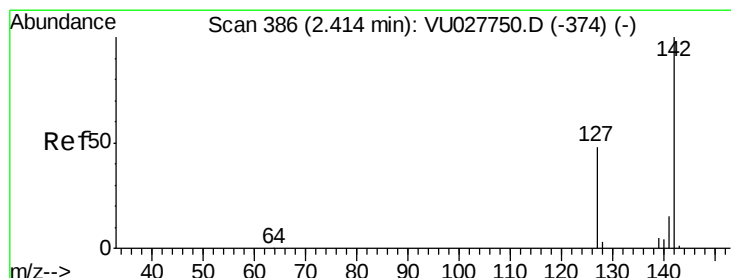
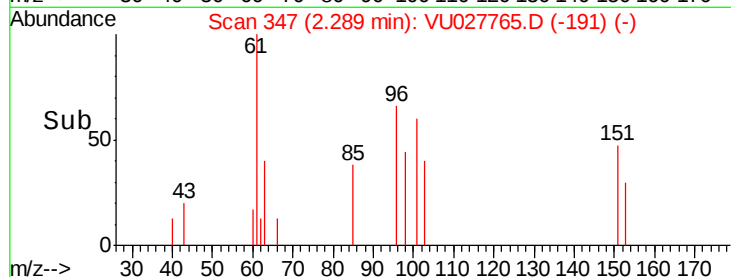
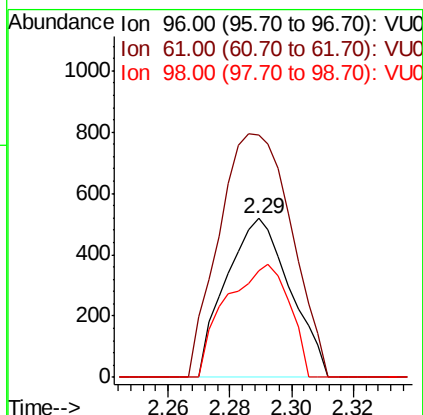
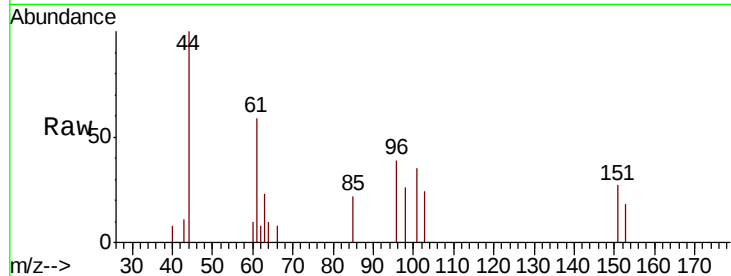




#9
 1,1-Dichloroethene
 Concen: 0.283 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

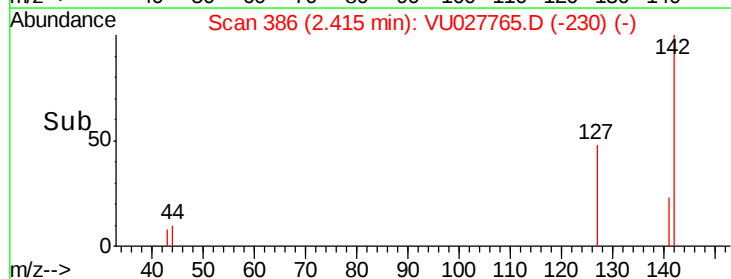
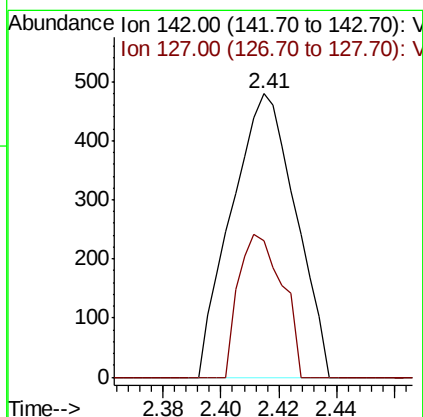
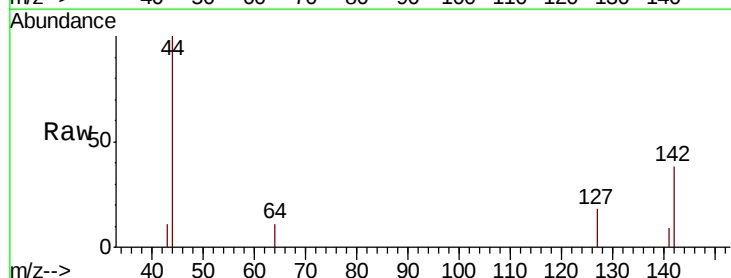
Instrument :
 MSVOA_U
 ClientSampleId :

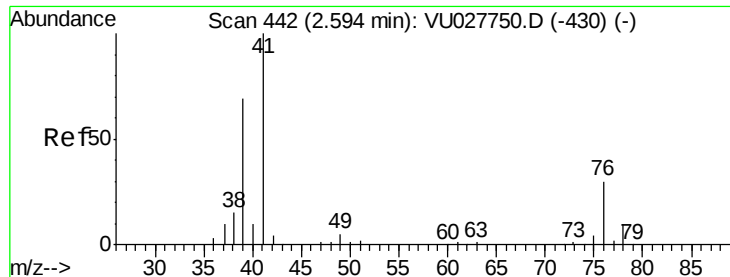
Tot Ion: 96 Resp: 746
 Ion Ratio Lower Upper
 96 100
 61 152.6 0.0 581.4
 98 67.1 0.0 131.2



#10
 Iodomethane
 Concen: 0.207 ug/l
 RT: 2.41 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Tgt Ion: 142 Resp: 734
 Ion Ratio Lower Upper
 142 100
 127 34.3 39.2 58.8#





#11

Allvl Chloride

Concen: 0.306 ug/l

RT: 2.60 min Scan# 444

Delta R.T. 0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

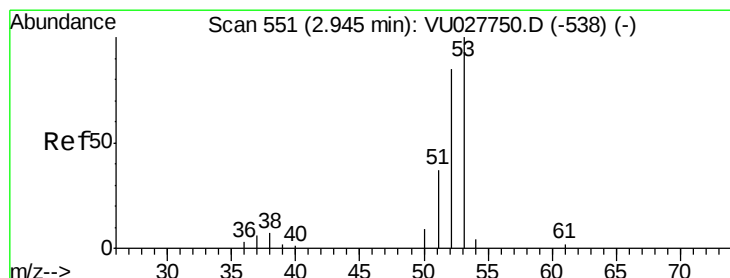
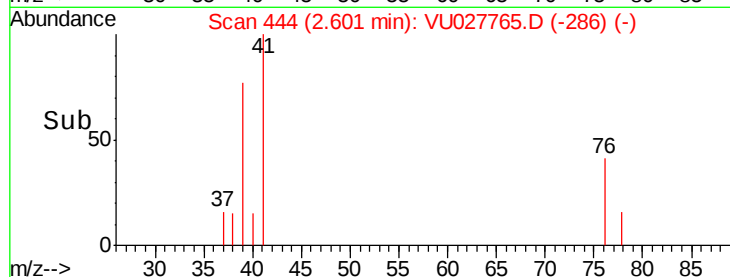
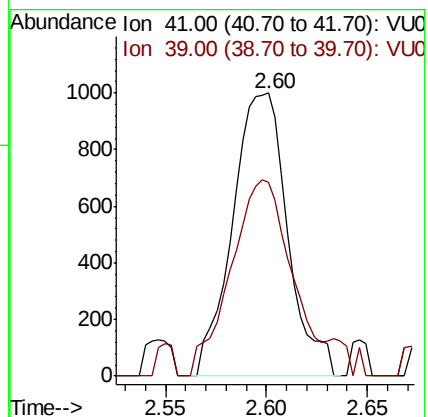
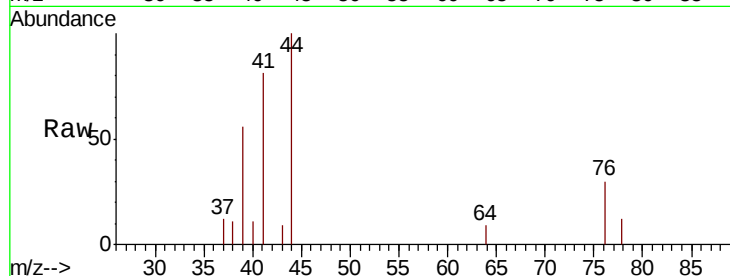
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 1914

Ion Ratio Lower Upper

41 100

39 75.4 55.4 83.0



#12

Acrylonitrile

Concen: 0.196 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

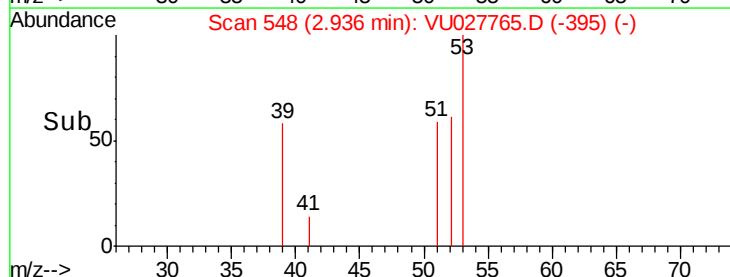
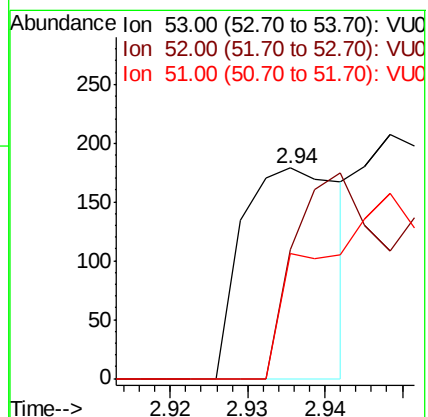
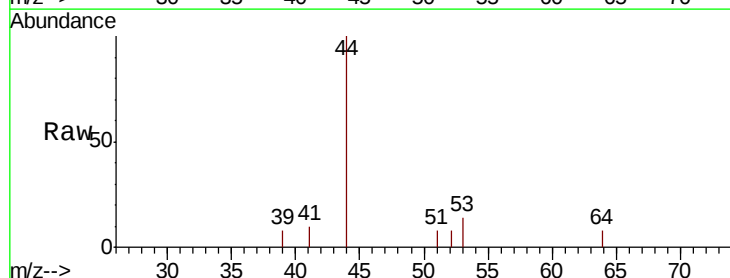
Tgt Ion: 53 Resp: 158

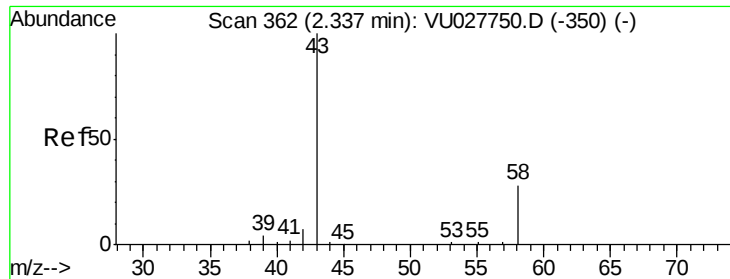
Ion Ratio Lower Upper

53 100

52 83.5 67.9 101.9

51 0.0 30.0 45.0#





#13

Acetone

Concen: 1.966 ug/l

RT: 2.34 min Scan# 364

Delta R.T. 0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

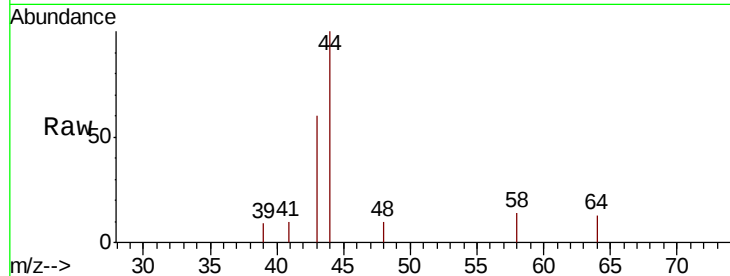
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1444

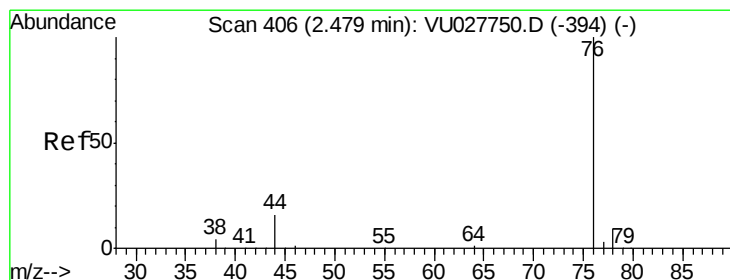
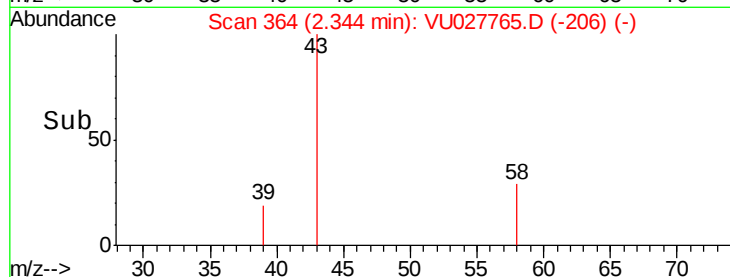
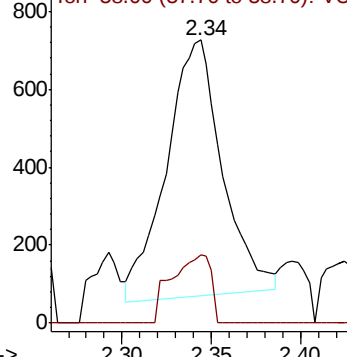
Ion Ratio Lower Upper

43 100

58 28.1 22.3 33.5



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



#14

Carbon Disulfide

Concen: 0.262 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027765.D

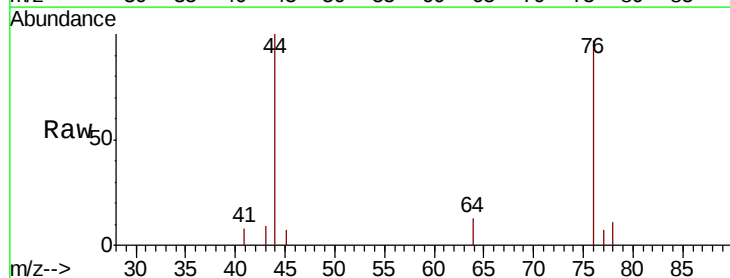
Acq: 23 Oct 2018 16:09

Tgt Ion: 76 Resp: 2578

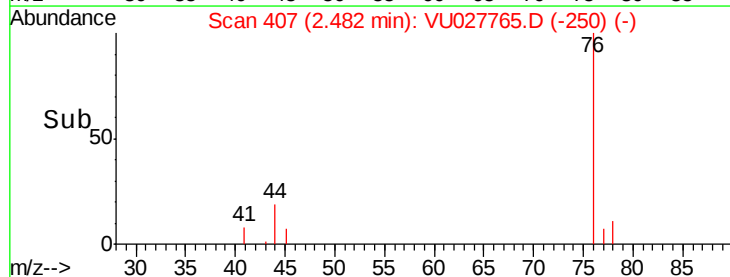
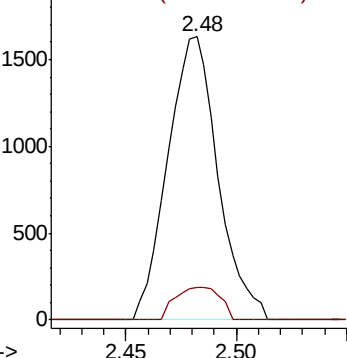
Ion Ratio Lower Upper

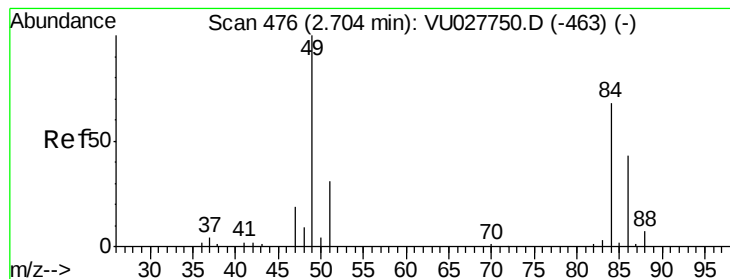
76 100

78 11.5 7.1 10.7#



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





#15

Methylene Chloride

Concen: 0.285 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 84 Resp: 947

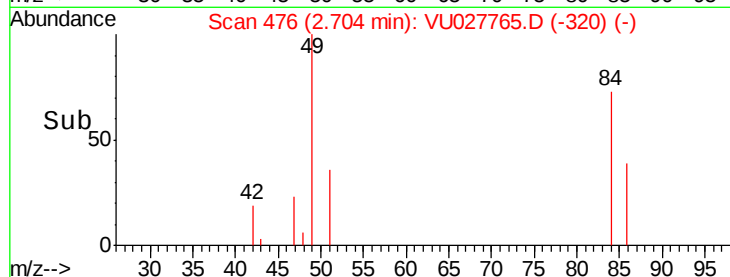
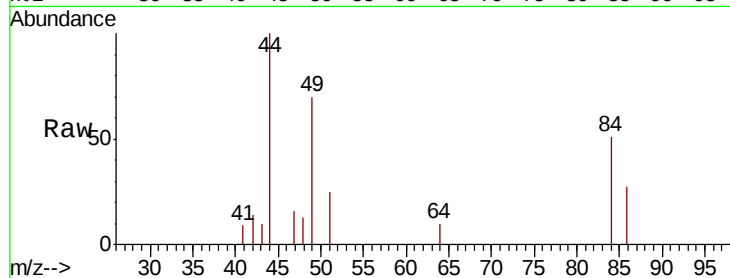
Ion Ratio Lower Upper

84 100

49 137.6 118.5 177.7

51 49.2 0.0 91.0

86 53.1 50.7 76.1

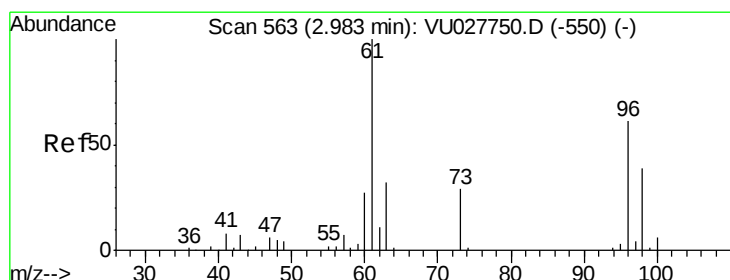
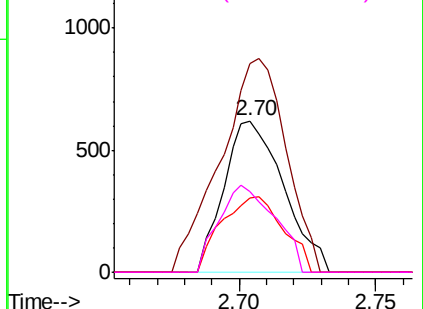


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 0.268 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

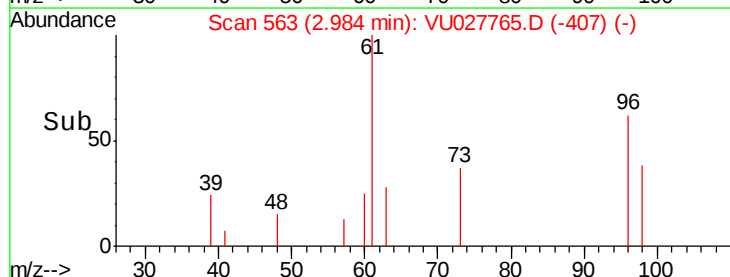
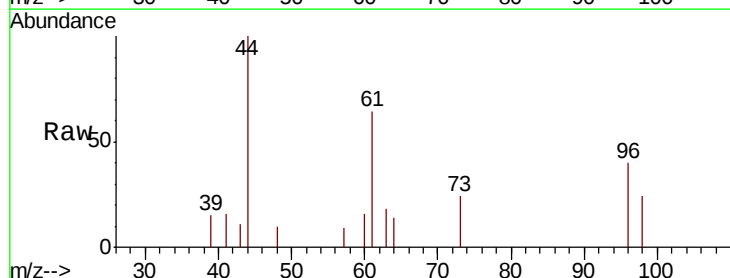
Tgt Ion: 96 Resp: 787

Ion Ratio Lower Upper

96 100

61 160.9 131.8 197.6

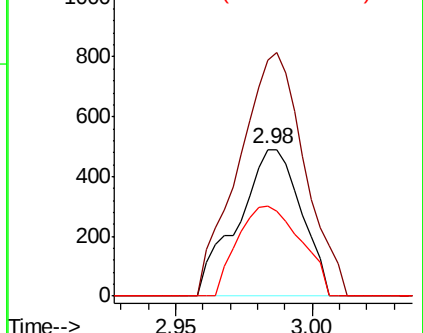
98 61.5 51.2 76.8

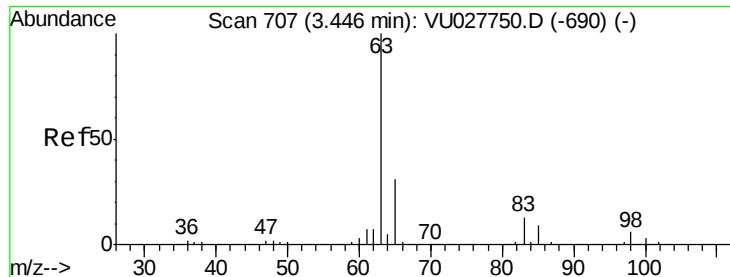


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

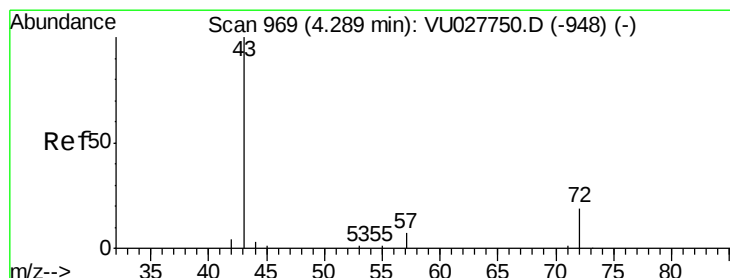
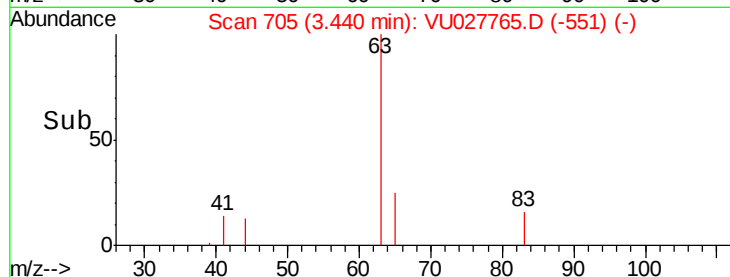
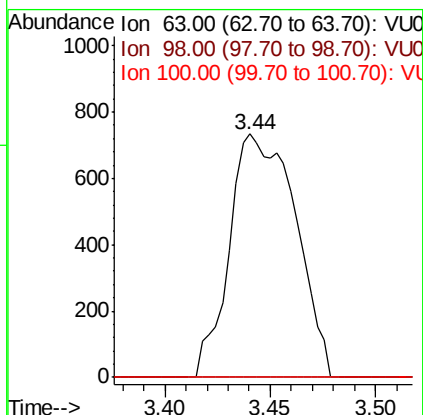
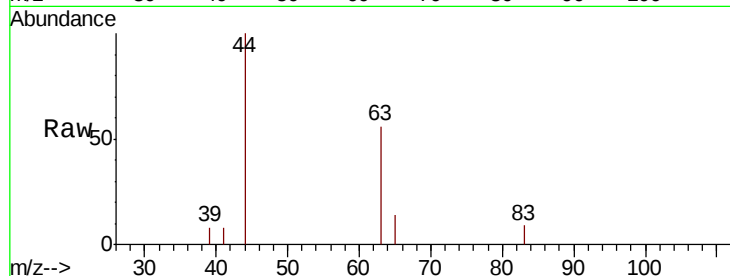




#17
 1,1-Dichloroethane
 Concen: 0.247 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

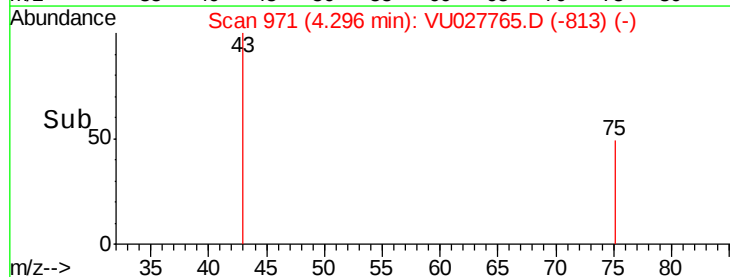
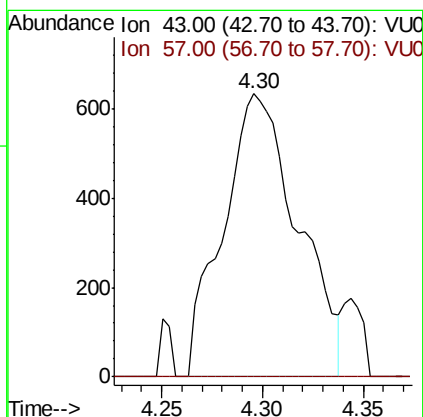
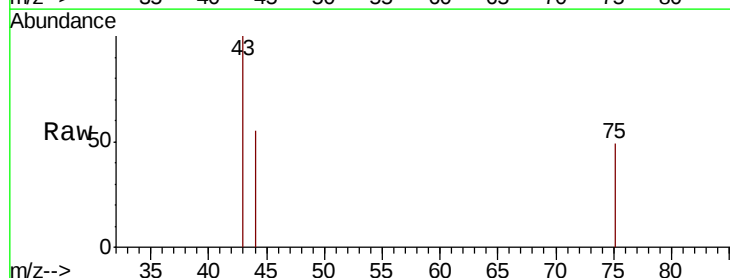
Instrument :
 MSVOA_U
 ClientSampleId :

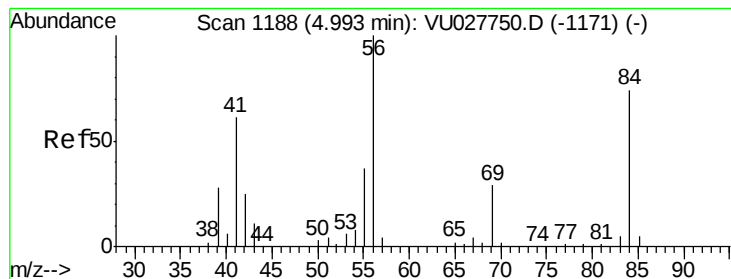
Tot Ion: 63 Resp: 1602
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.8 8.4#
 100 0.0 1.5 4.5#



#18
 2-Butanone
 Concen: 1.341 ug/l
 RT: 4.30 min Scan# 971
 Delta R.T. 0.01 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Tgt Ion: 43 Resp: 1635
 Ion Ratio Lower Upper
 43 100
 57 0.0 0.0 14.4





#19

Cyclohexane

Concen: 0.309 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

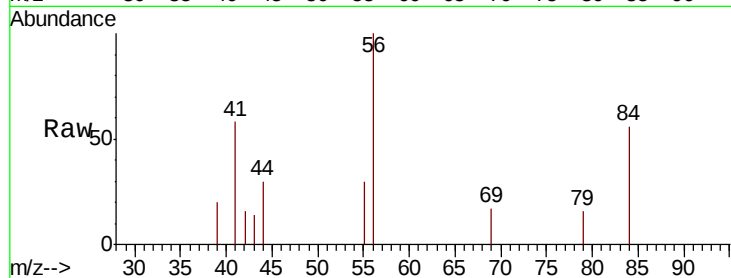
Tot Ion: 56 Resp: 1795

Ion Ratio Lower Upper

56 100

69 7.4 25.9 38.9#

84 64.7 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) (-)

4.99

800

600

400

200

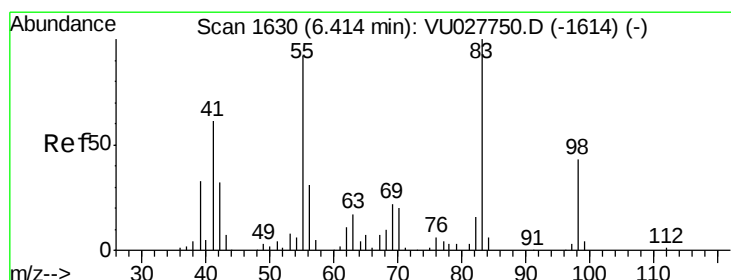
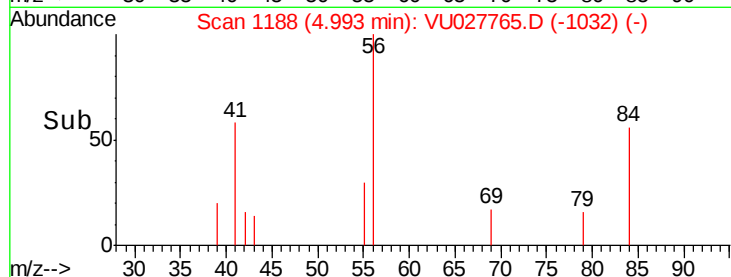
0

4.95

5.00

5.05

Time-->



#20

Methylcyclohexane

Concen: 0.266 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

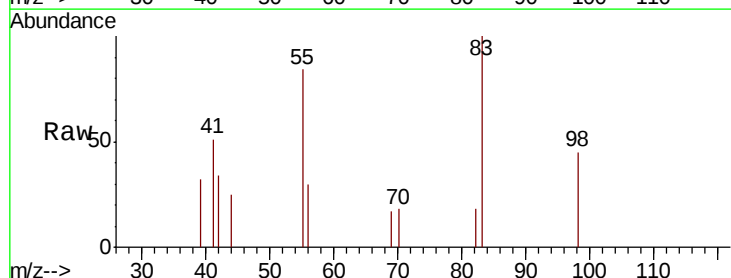
Tgt Ion: 83 Resp: 1566

Ion Ratio Lower Upper

83 100

55 88.4 72.6 108.8

98 40.9 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) (-)

6.41

800

600

400

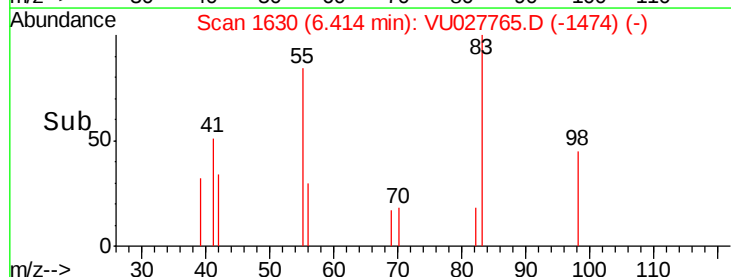
200

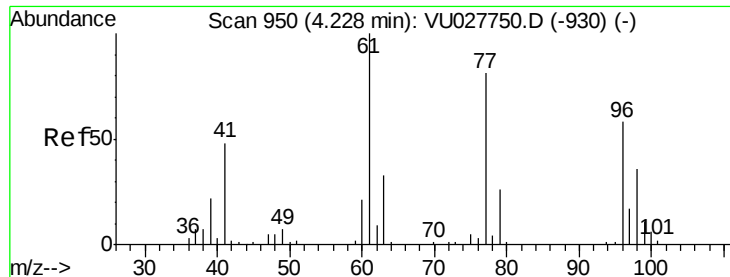
0

6.40

6.45

Time-->

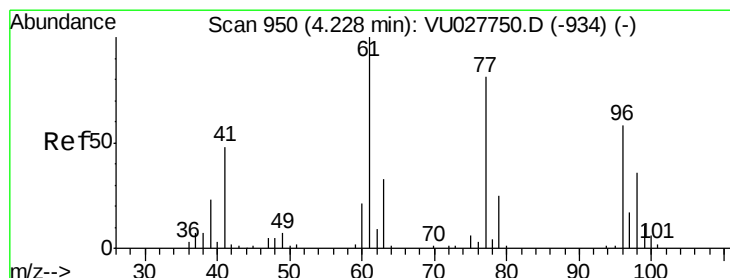
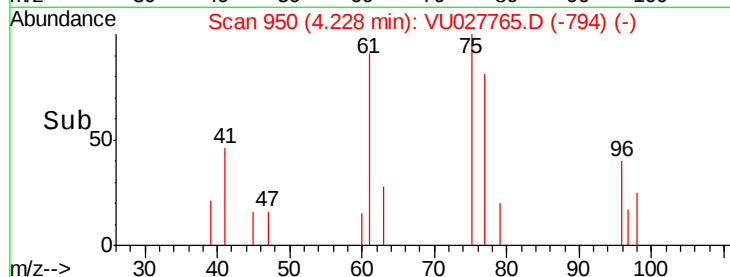
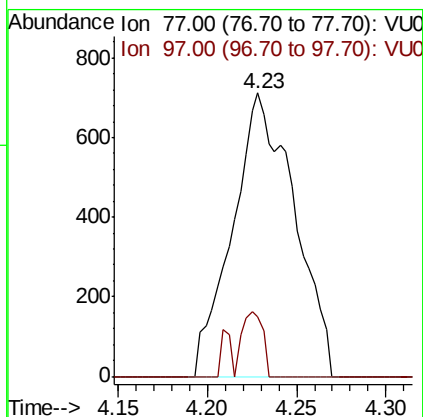
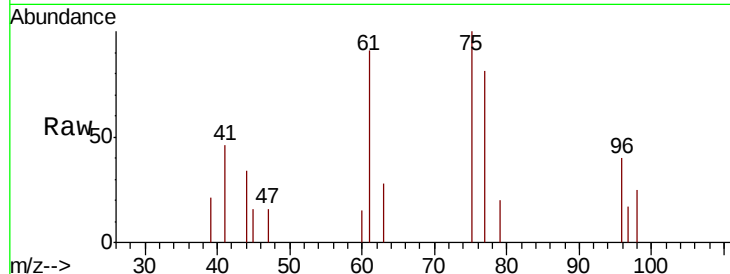




#21
 2,2-Dichloropropane
 Concen: 0.300 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

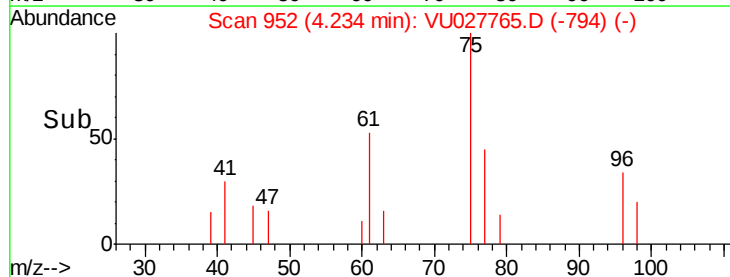
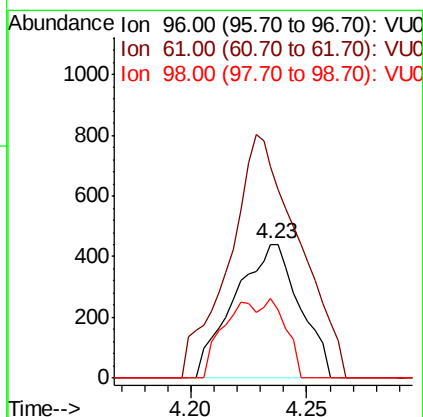
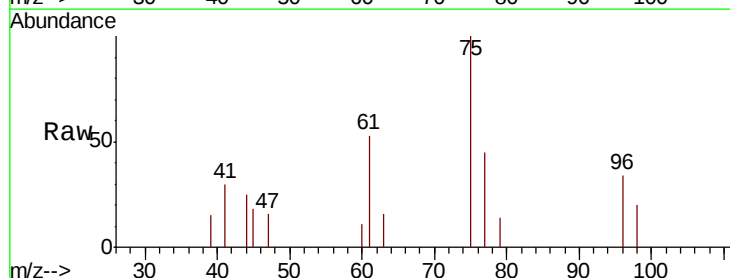
Instrument :
 MSVOA_U
 ClientSampled :

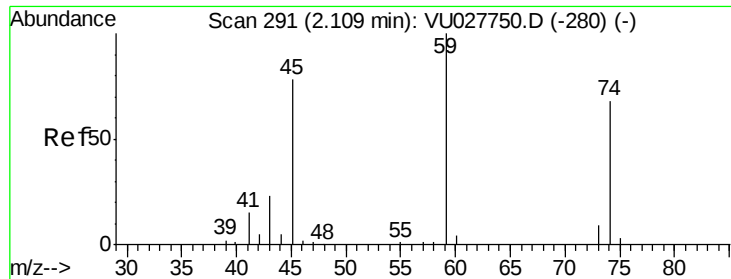
Tot Ion: 77 Resp: 1720
 Ion Ratio Lower Upper
 77 100
 97 7.6 16.9 25.3#



#22
 cis-1,2-Dichloroethene
 Concen: 0.245 ug/l
 RT: 4.23 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Tgt Ion: 96 Resp: 861
 Ion Ratio Lower Upper
 96 100
 61 194.3 0.0 444.0
 98 30.8 31.9 95.5#

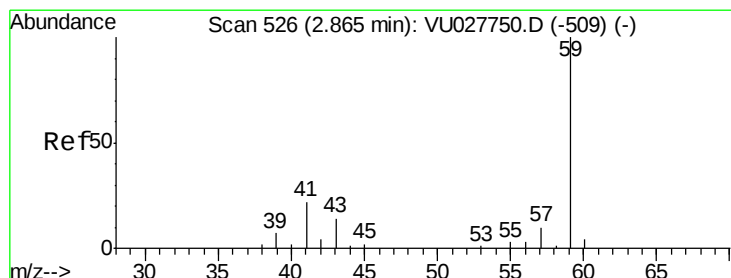
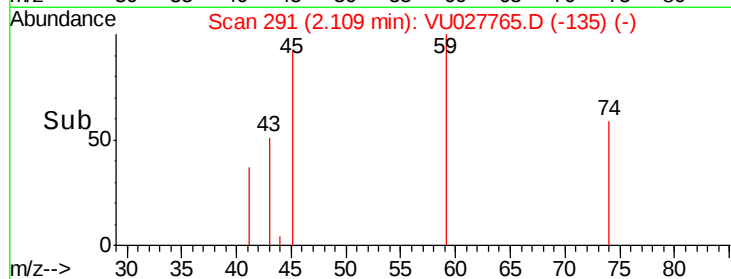
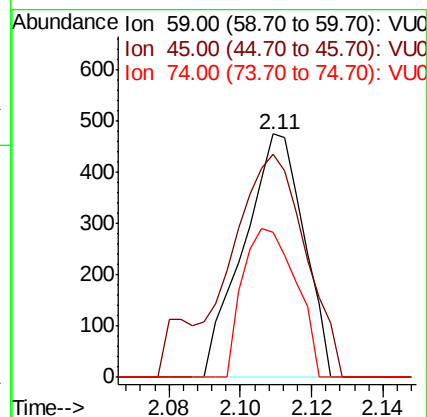
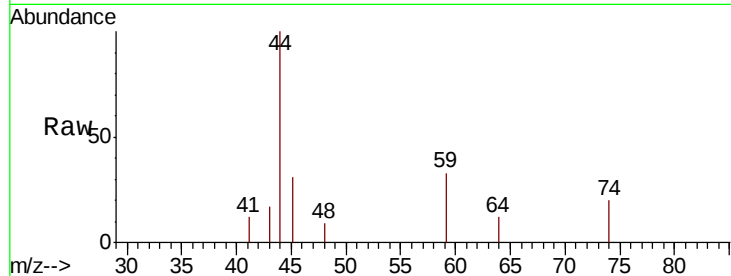




#23
Diethyl Ether
Concen: 0.220 ug/l
RT: 2.11 min Scan# 291
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

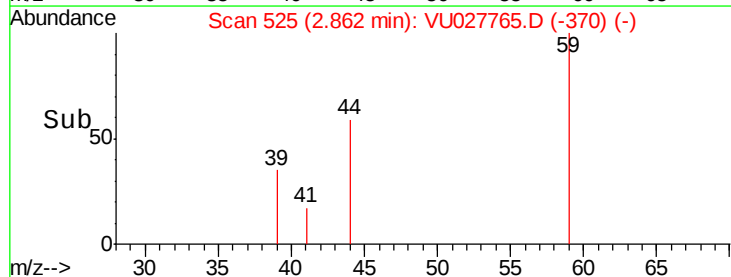
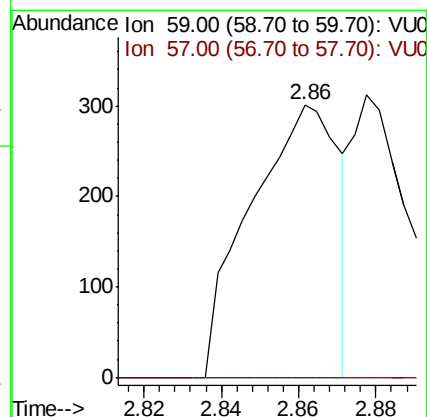
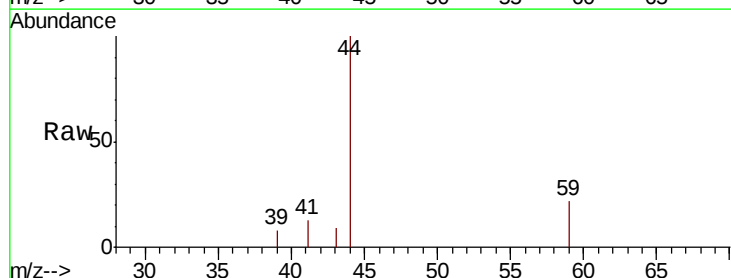
Instrument :
MSVOA_U
ClientSampled :

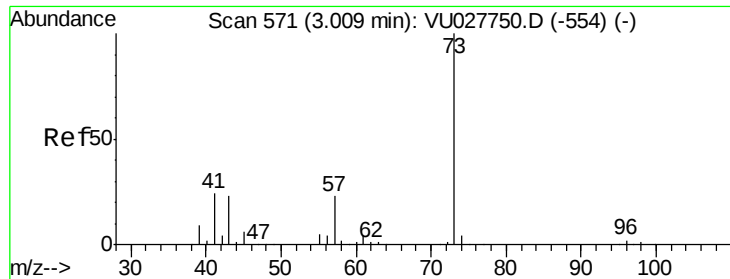
Tot Ion: 59 Resp: 553
Ion Ratio Lower Upper
59 100
45 122.2 64.6 96.8#
74 54.2 54.8 82.2#



#24
tert-Butyl Alcohol
Concen: 1.785 ug/l
RT: 2.86 min Scan# 525
Delta R.T. -0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Tgt Ion: 59 Resp: 478
Ion Ratio Lower Upper
59 100
57 107.3 4.4 6.6#



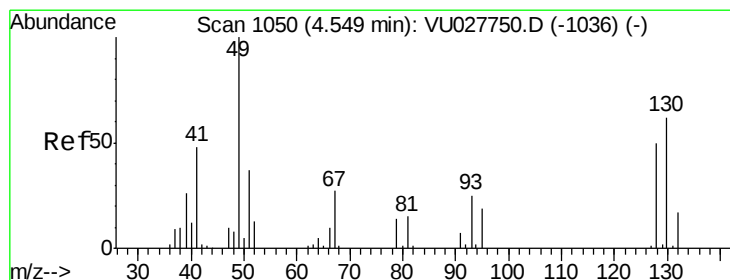
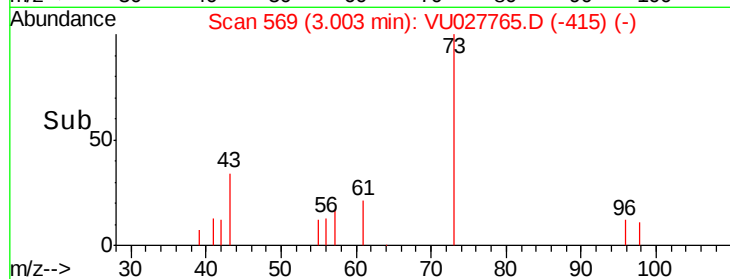
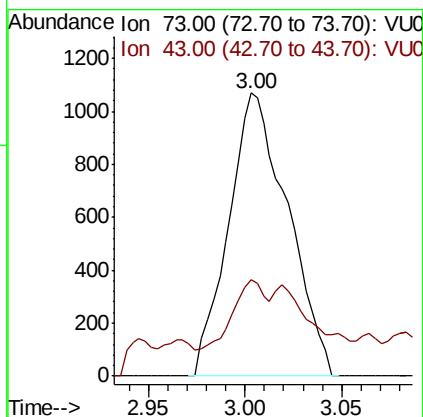
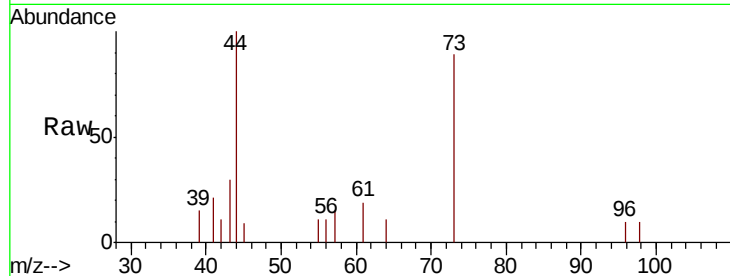


#25

Methyl tert-Butyl Ether
 Concen: 0.270 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Instrument :
 MSVOA_U
 ClientSampled :

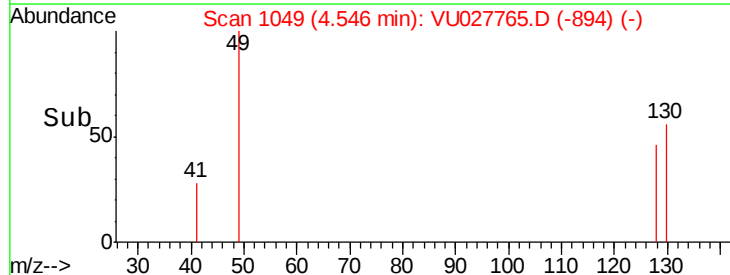
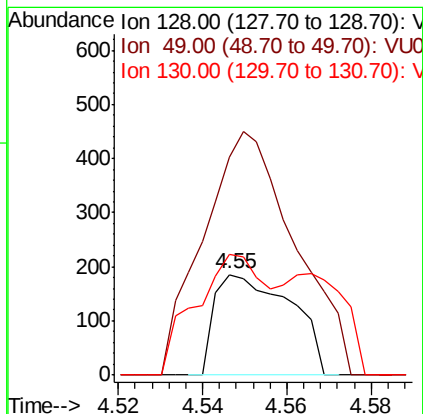
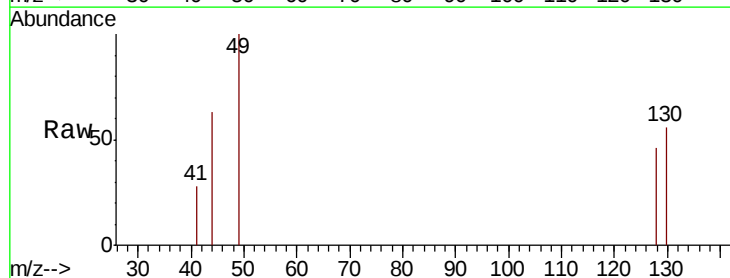
Tot Ion: 73 Resp: 2272
 Ion Ratio Lower Upper
 73 100
 43 13.7 18.6 27.8#

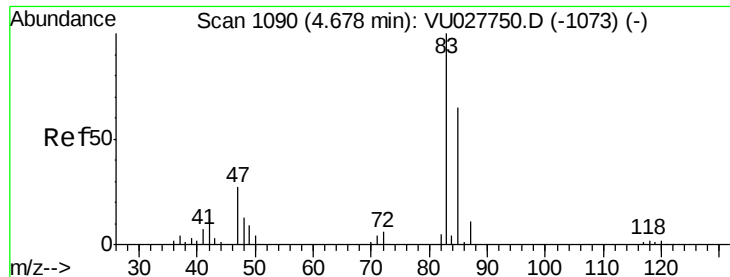


#26

Bromochloromethane
 Concen: 0.164 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Tgt Ion: 128 Resp: 231
 Ion Ratio Lower Upper
 128 100
 49 293.5 0.0 427.6
 130 110.8 103.4 155.0





#27

Chloroform

Concen: 0.260 ug/l

RT: 4.68 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

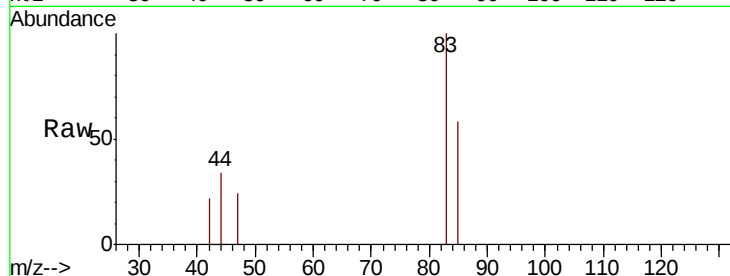
ClientSampleId :

Tot Ion: 83 Resp: 1639

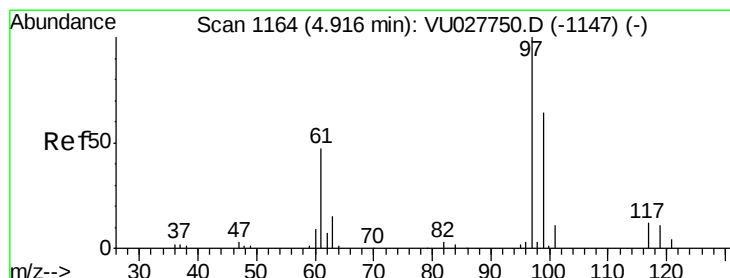
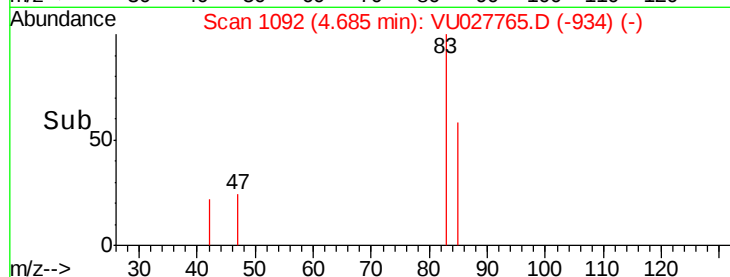
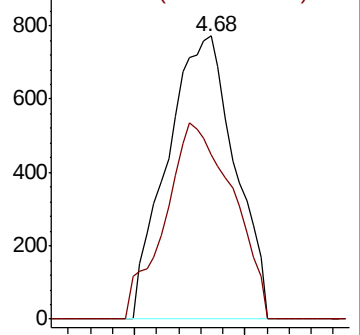
Ion Ratio Lower Upper

83 100

85 58.0 0.0 130.2



Abundance Ion 83.00 (82.70 to 83.70): VU027765.D (-934) (-)



#28

1,1,1-Trichloroethane

Concen: 0.108 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

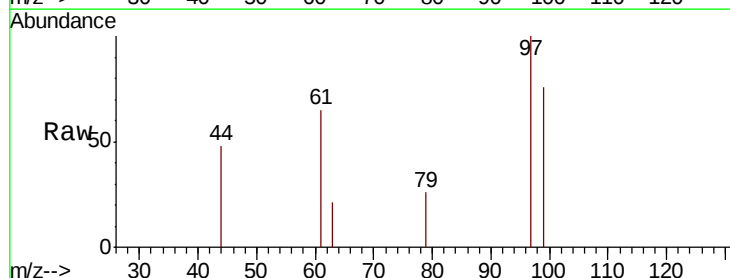
Tgt Ion: 97 Resp: 605

Ion Ratio Lower Upper

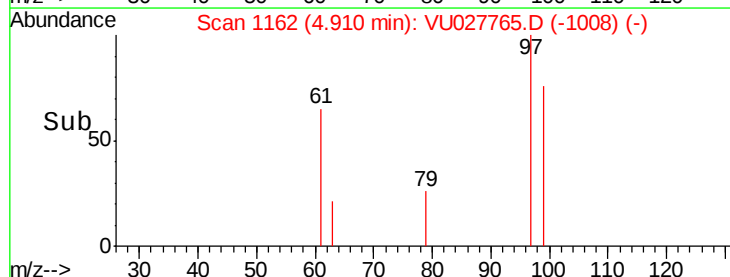
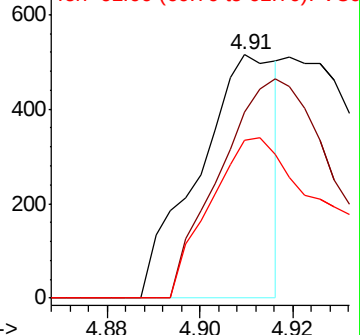
97 100

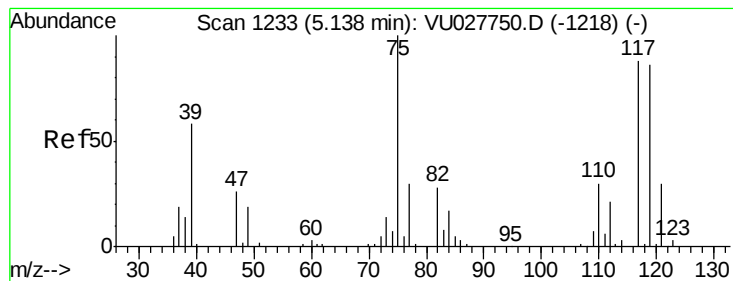
99 134.9 31.8 95.4#

61 98.3 23.6 70.8#



Abundance Ion 97.00 (96.70 to 97.70): VU027765.D (-1008) (-)





#29

1,1-Dichloropropene

Concen: 0.264 ug/l

RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

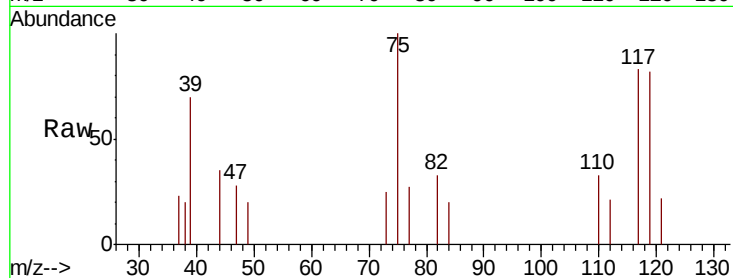
Tot Ion: 75 Resp: 1296

Ion Ratio Lower Upper

75 100

110 26.3 15.6 46.8

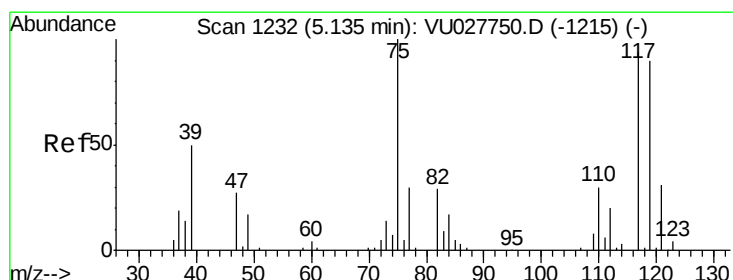
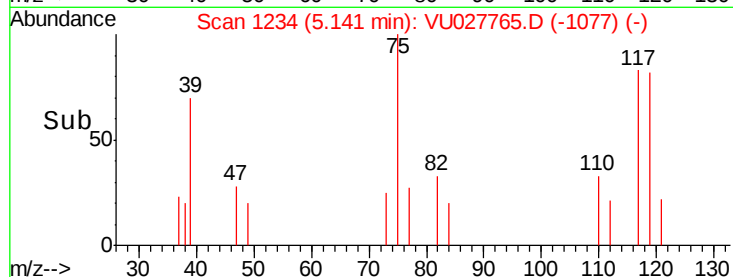
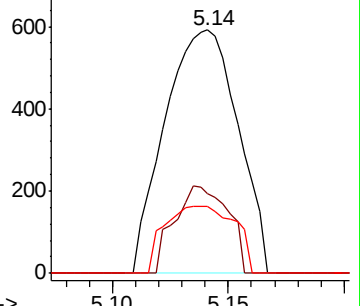
77 26.5 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VU027765.D (-1077) (-)

Ion 110.00 (109.70 to 110.70): VU027765.D (-1077) (-)

Ion 77.00 (76.70 to 77.70): VU027765.D (-1077) (-)



#30

Carbon Tetrachloride

Concen: 0.249 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

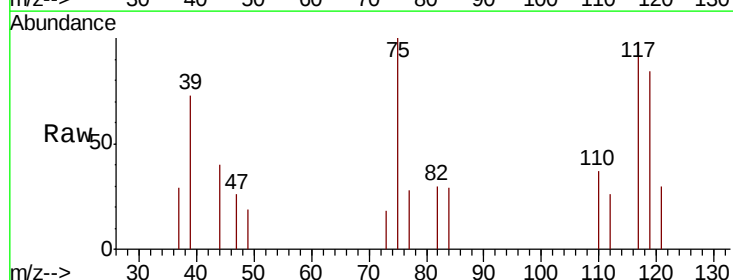
Tgt Ion: 117 Resp: 1249

Ion Ratio Lower Upper

117 100

119 85.9 76.2 114.4

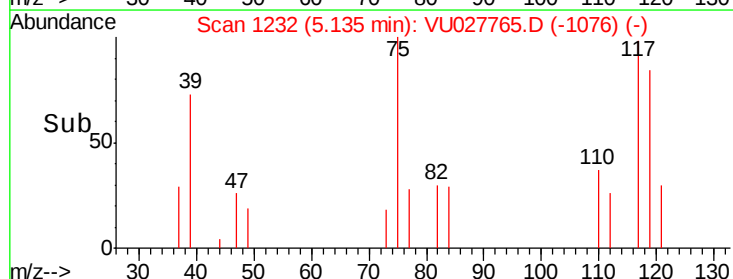
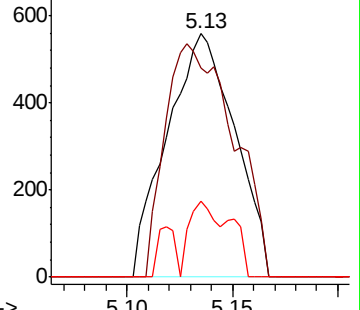
121 30.9 26.4 39.6

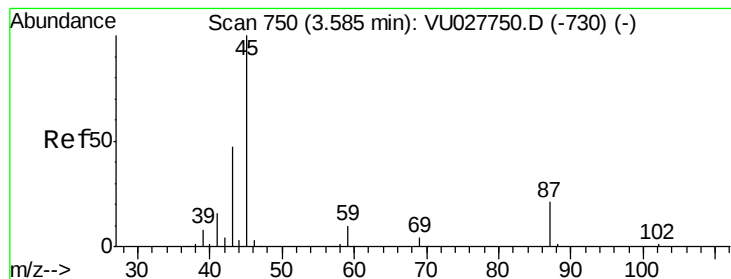


Abundance Ion 117.00 (116.70 to 117.70): VU027765.D (-1076) (-)

Ion 119.00 (118.70 to 119.70): VU027765.D (-1076) (-)

Ion 121.00 (120.70 to 121.70): VU027765.D (-1076) (-)





#31

Isopropyl Ether

Concen: 0.270 ug/l

RT: 3.59 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

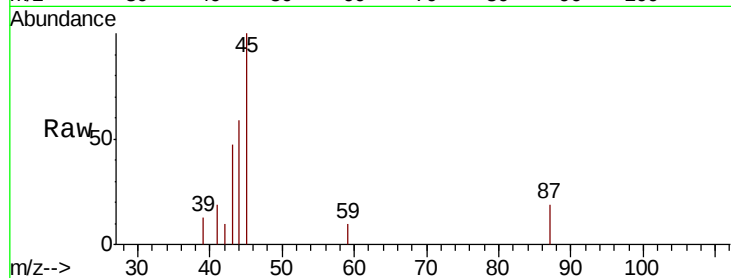
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 45 Resp: 3150

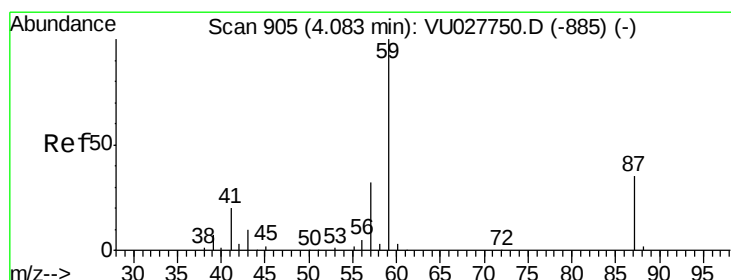
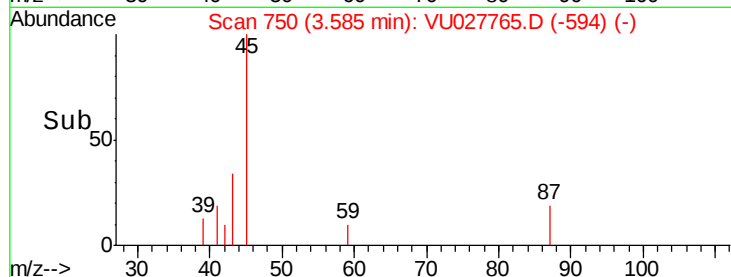
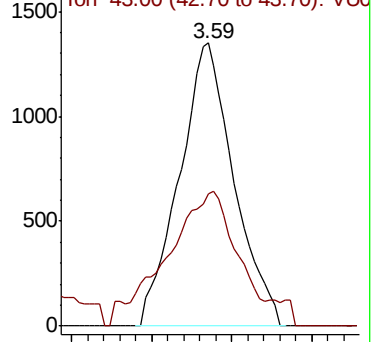
Ion Ratio Lower Upper

45 100

43 65.2 24.5 73.5



Abundance Ion 45.00 (44.70 to 45.70): VU027765.D (-594) (-)



#32

Ethyl-t-butyl ether

Concen: 0.239 ug/l

RT: 4.08 min Scan# 905

Delta R.T. 0.00 min

Lab File: VU027765.D

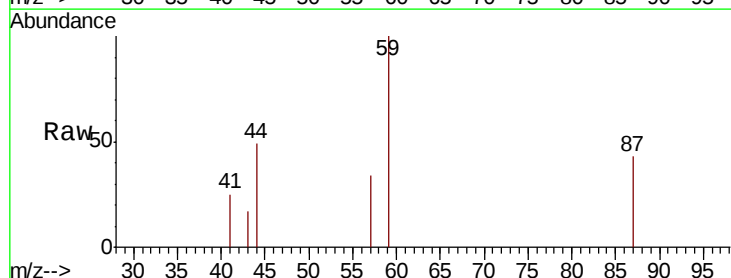
Acq: 23 Oct 2018 16:09

Tgt Ion: 59 Resp: 2474

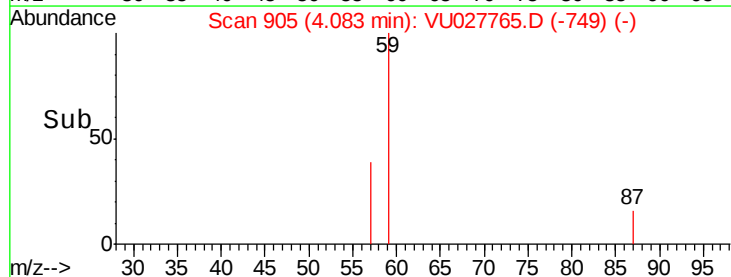
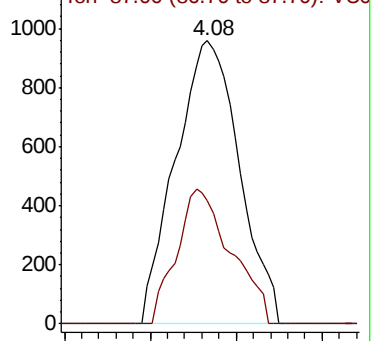
Ion Ratio Lower Upper

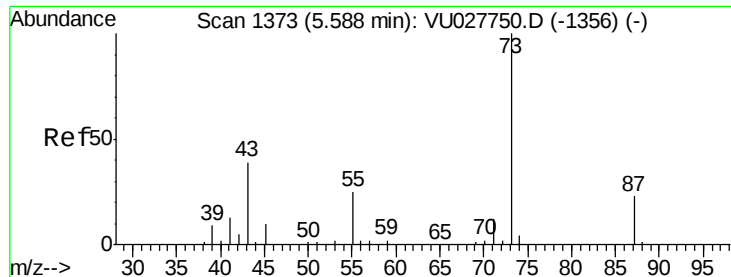
59 100

87 40.5 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU027765.D (-749) (-)

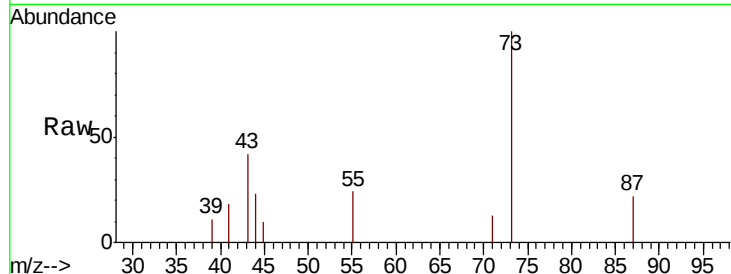




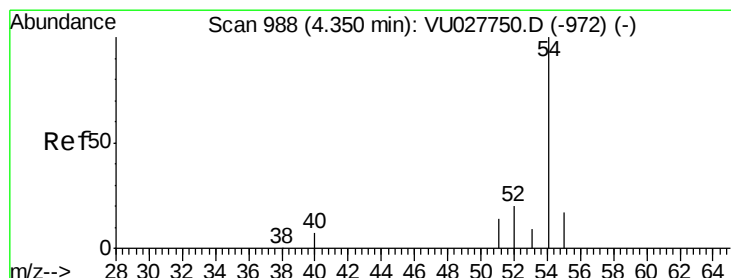
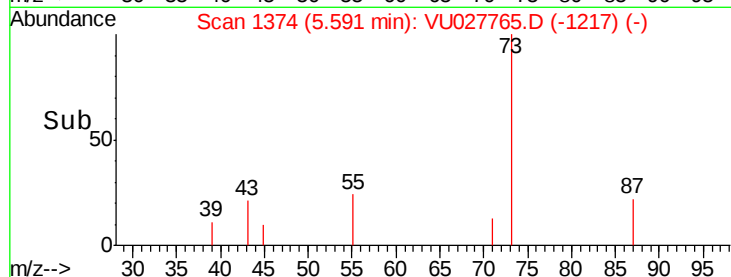
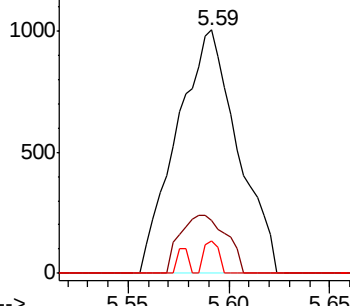
#33
Tert-Butyl methyl ether
Concen: 0.239 ug/l
RT: 5.59 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 2106
Ion Ratio Lower Upper
73 100
87 18.2 18.5 27.7#
71 3.3 9.1 13.7#



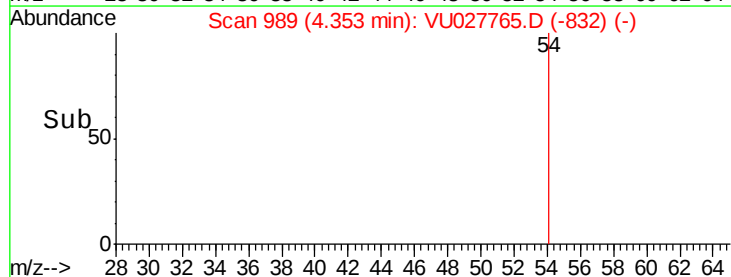
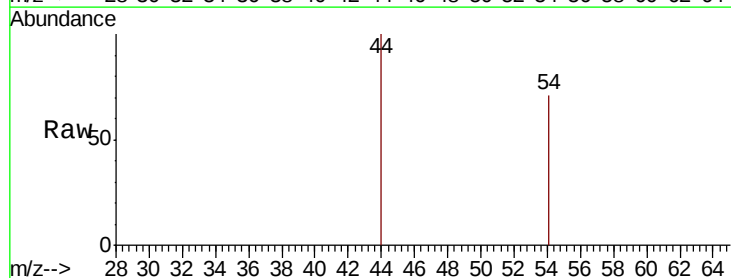
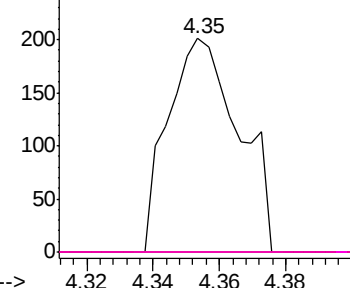
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

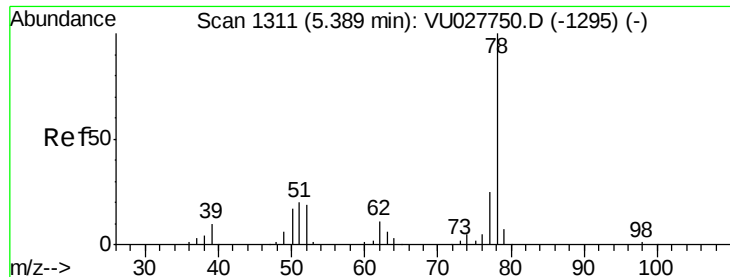


#34
Propionitrile
Concen: 1.032 ug/l
RT: 4.35 min Scan# 989
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Tgt Ion: 54 Resp: 300
Ion Ratio Lower Upper
54 100
52 0.0 15.5 23.3#
55 177.0 12.6 18.8#
40 6.3 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: 0.272 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

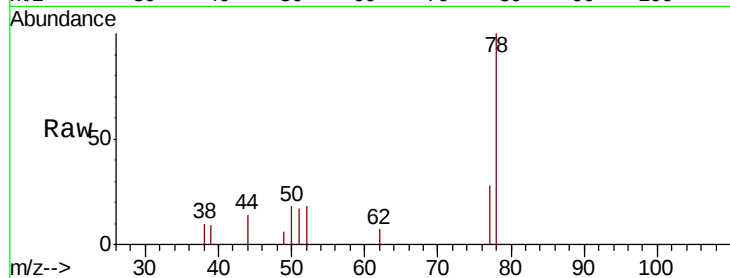
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 3733

Ion Ratio Lower Upper

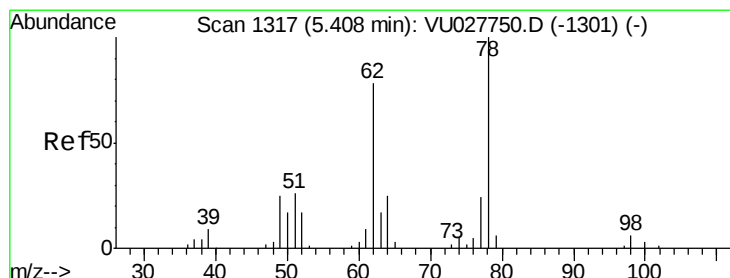
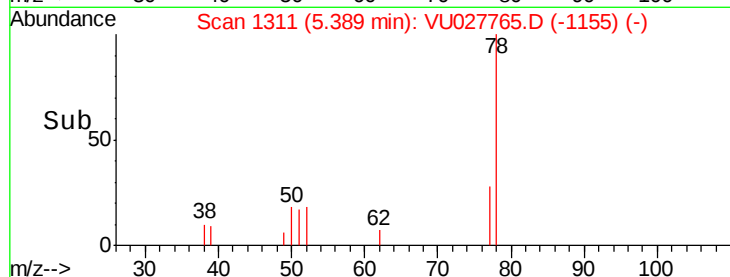
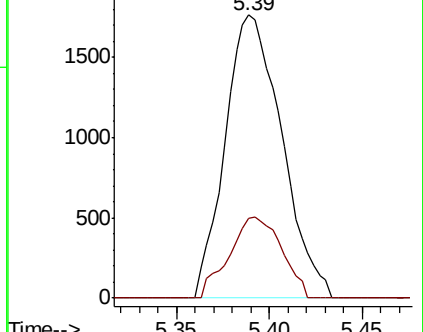
78 100

77 28.3 19.9 29.9



Abundance Ion 78.10 (77.80 to 78.80): VU027750.D (-1295) (-)

Ion 77.00 (76.70 to 77.70): VU027750.D (-1295) (-)



#36

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 5.41 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VU027765.D

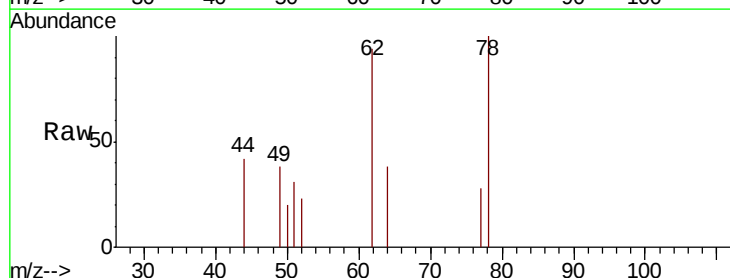
Acq: 23 Oct 2018 16:09

Tgt Ion: 62 Resp: 996

Ion Ratio Lower Upper

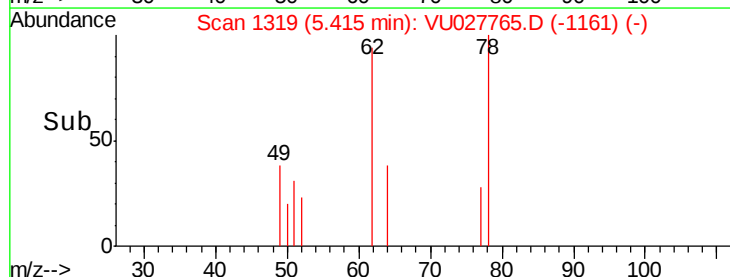
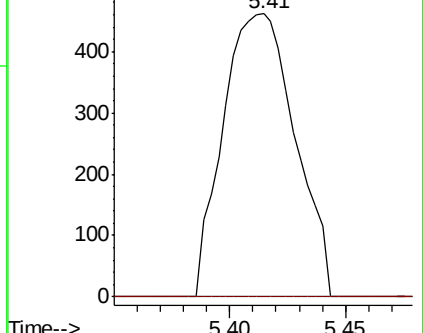
62 100

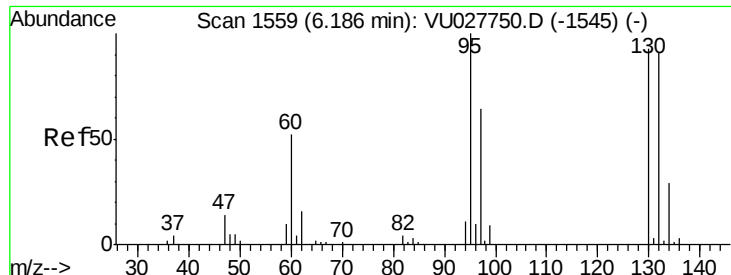
98 0.0 5.8 8.6#



Abundance Ion 62.00 (61.70 to 62.70): VU027750.D (-1301) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-1301) (-)





#37

Trichloroethene

Concen: 0.281 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

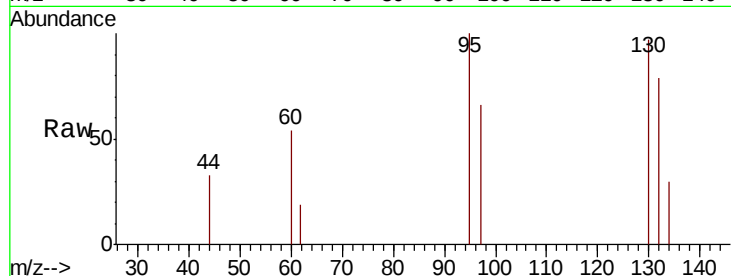
ClientSampleId :

Tot Ion:130 Resp: 950

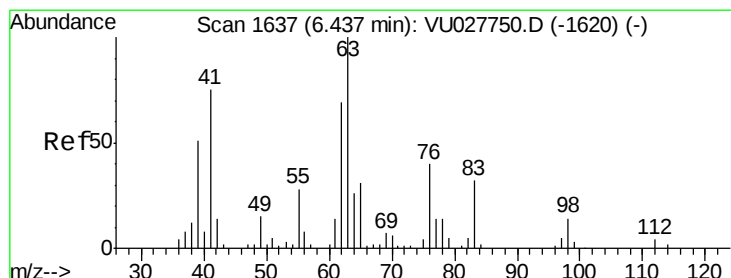
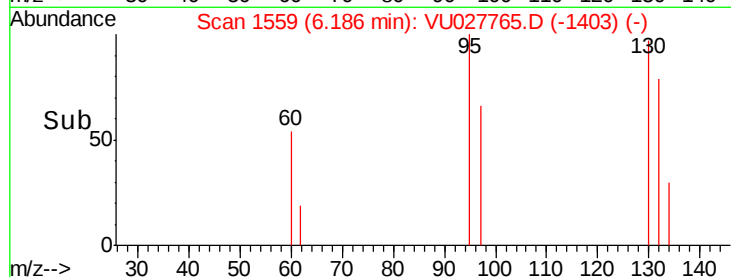
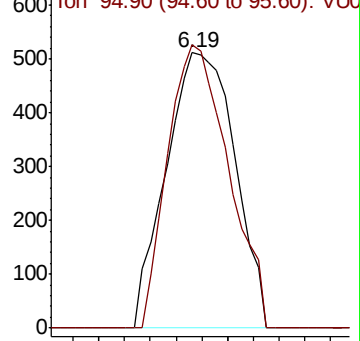
Ion Ratio Lower Upper

130 100

95 102.9 86.4 129.6



Abundance Ion 129.90 (129.60 to 130.60): VU027765.D (-1403) (-)



#38

1,2-Dichloropropane

Concen: 0.244 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU027765.D

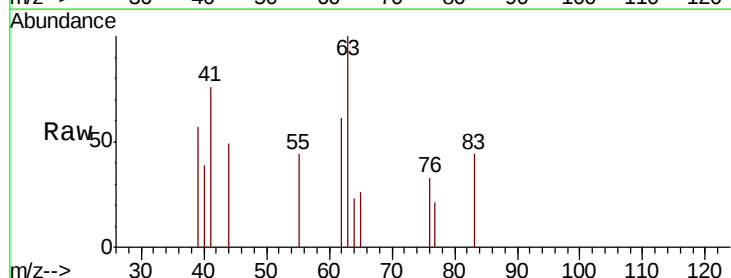
Acq: 23 Oct 2018 16:09

Tgt Ion: 63 Resp: 940

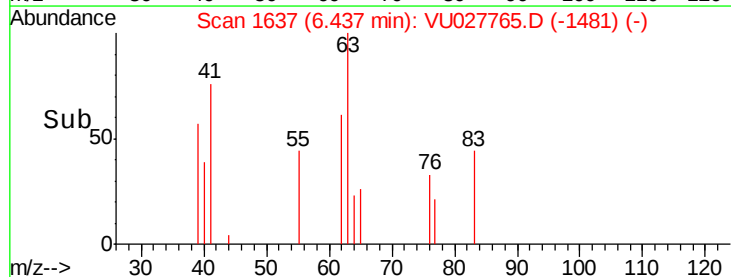
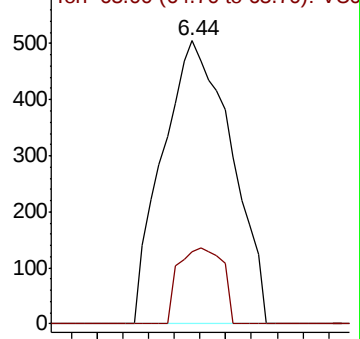
Ion Ratio Lower Upper

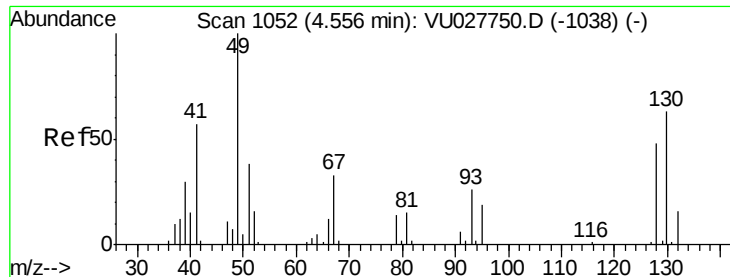
63 100

65 25.5 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU027765.D (-1481) (-)





#39

Methacrylonitrile

Concen: 0.085 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 41 Resp: 136

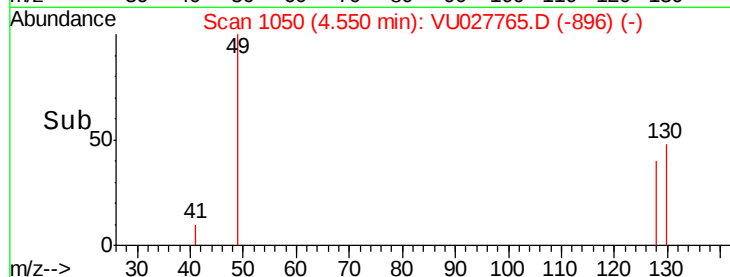
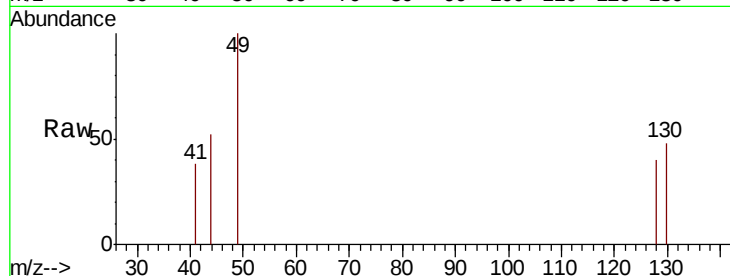
Ion Ratio Lower Upper

41 100

67 82.4 46.1 69.1#

39 0.0 43.6 65.4#

52 0.0 21.4 32.2#

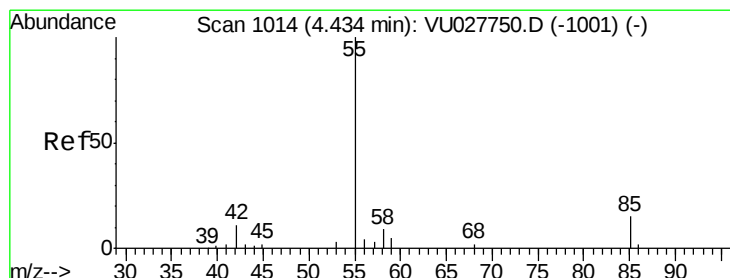
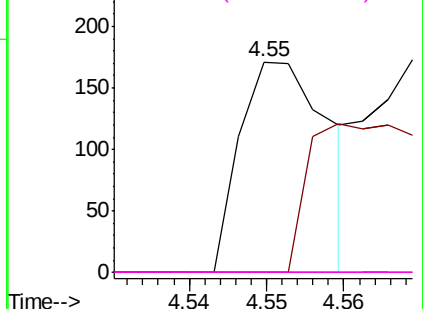


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 0.254 ug/l

RT: 4.45 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Tgt Ion: 55 Resp: 531

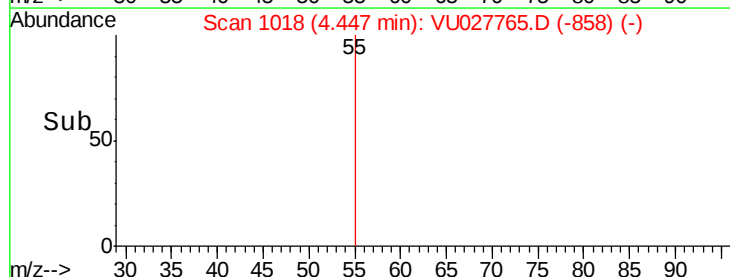
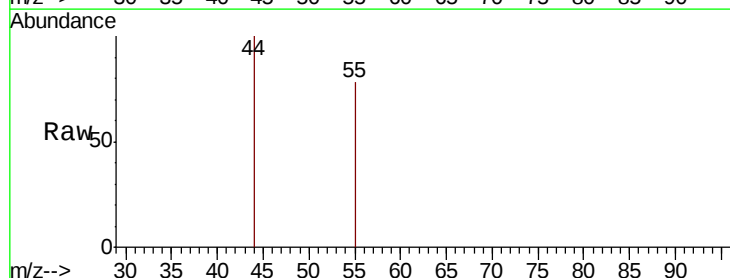
Ion Ratio Lower Upper

55 100

85 0.0 11.8 17.6#

58 0.0 7.0 10.4#

42 0.0 9.4 14.2#

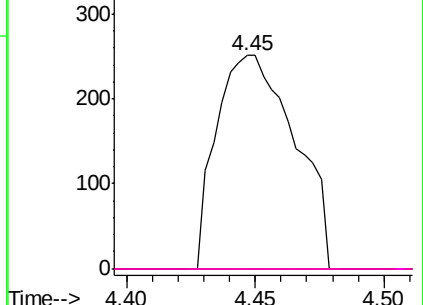


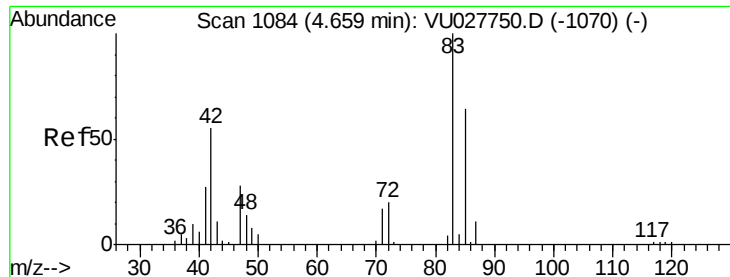
Abundance Ion 55.00 (54.70 to 55.70): VU0

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: 0.493 ug/l

RT: 4.67 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

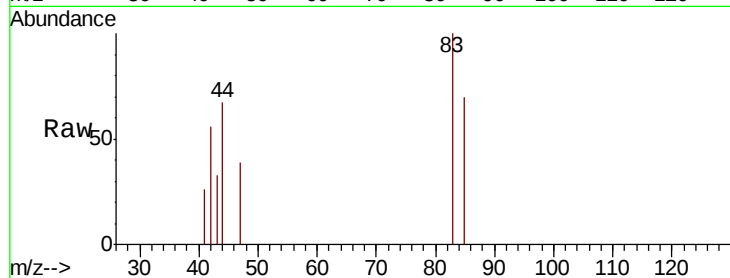
Tot Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

72 0.0 30.6 45.8#

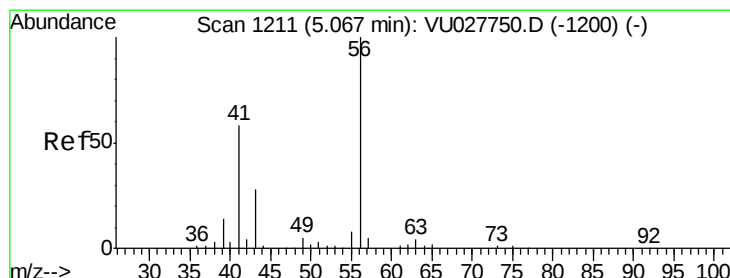
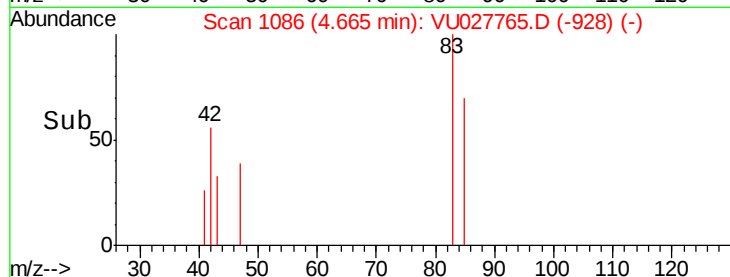
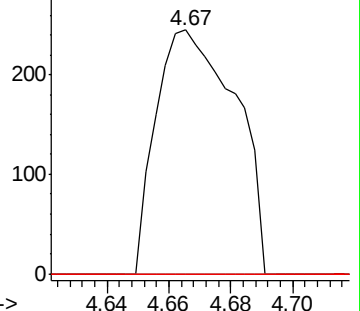
71 0.0 25.2 37.8#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 0.261 ug/l

RT: 5.07 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU027765.D

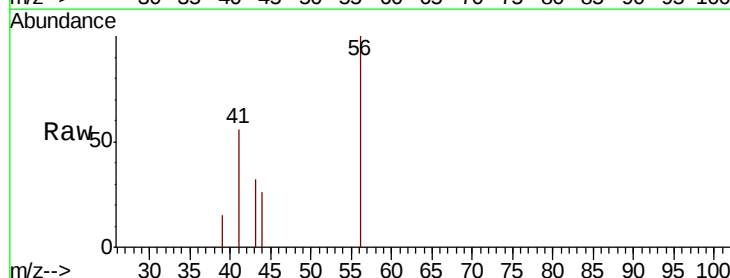
Acq: 23 Oct 2018 16:09

Tgt Ion: 56 Resp: 2020

Ion Ratio Lower Upper

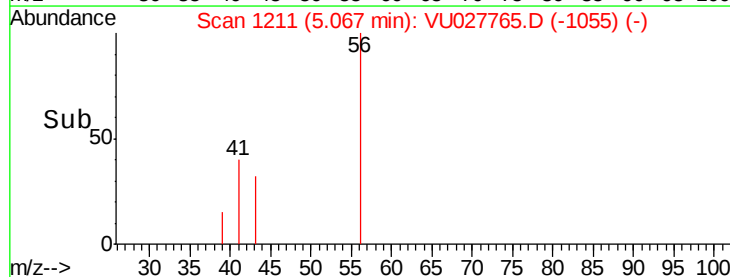
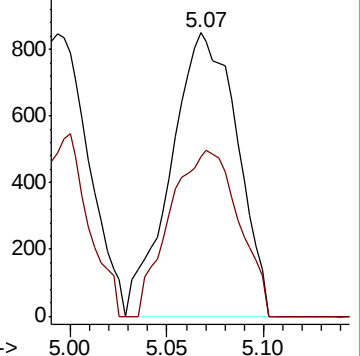
56 100

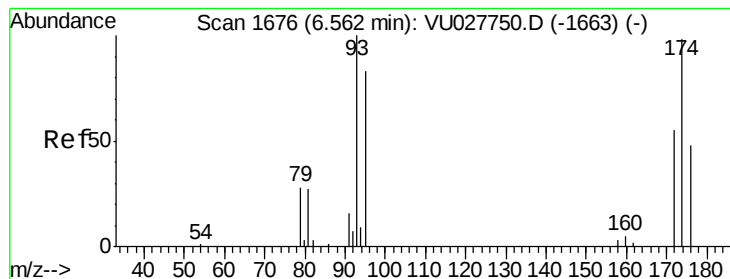
41 60.8 29.4 88.2



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 0.231 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

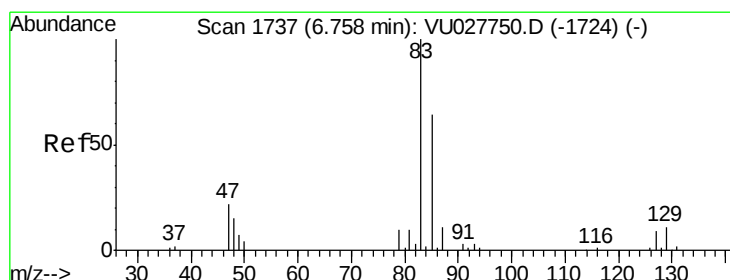
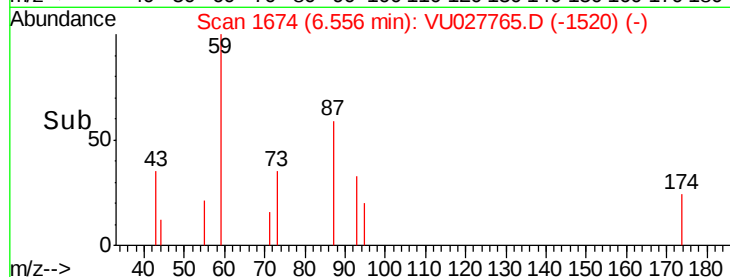
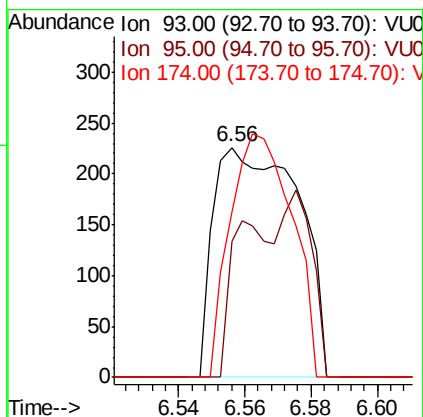
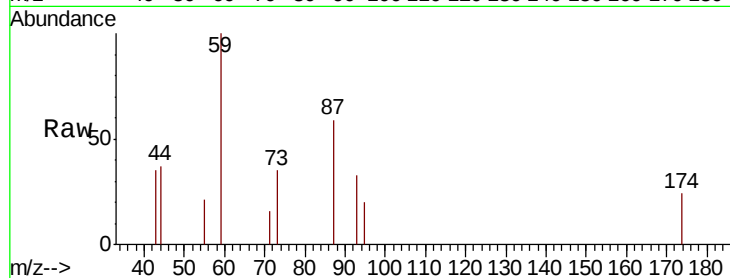
Tot Ion: 93 Resp: 404

Ion Ratio Lower Upper

93 100

95 33.4 64.2 96.2#

174 76.7 76.7 115.1



#44

Bromodichloromethane

Concen: 0.223 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

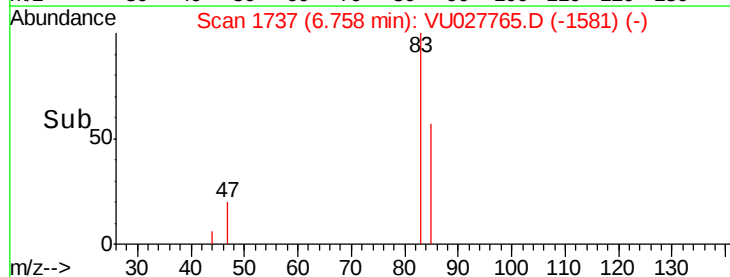
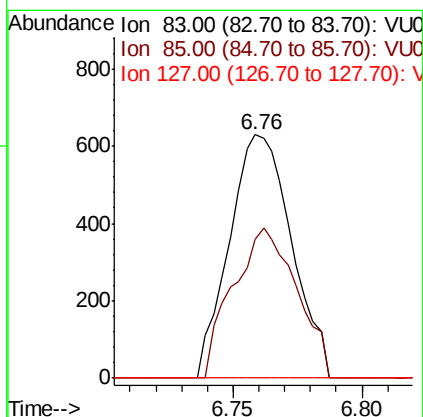
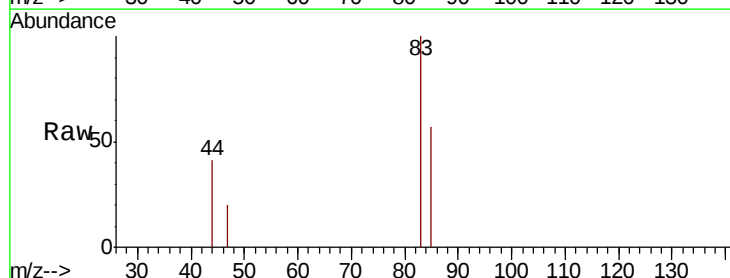
Tgt Ion: 83 Resp: 1060

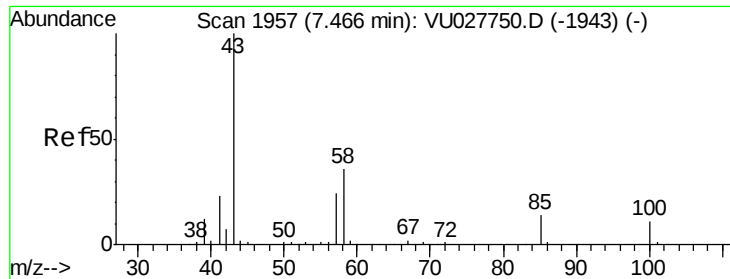
Ion Ratio Lower Upper

83 100

85 56.8 51.5 77.3

127 0.0 7.0 10.4#





#45

4-Methyl-2-Pentanone

Concen: 1.356 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :
MSVOA_U
ClientSampleId :

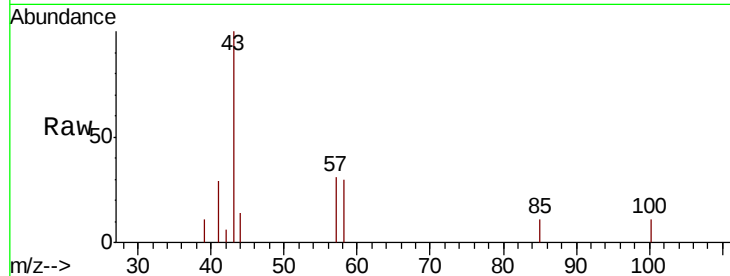
Tot Ion: 43 Resp: 3856

Ion Ratio Lower Upper

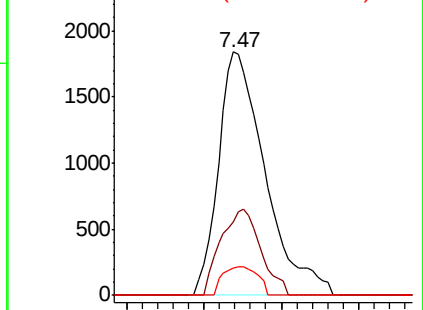
43 100

58 30.2 17.9 53.8

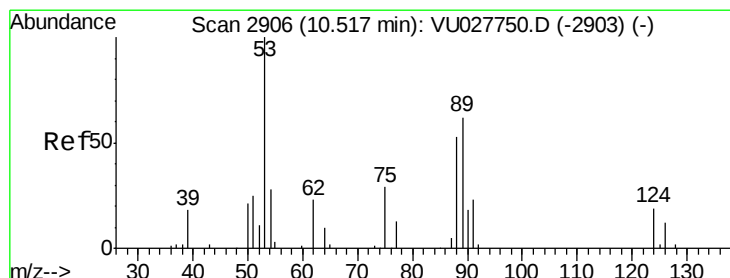
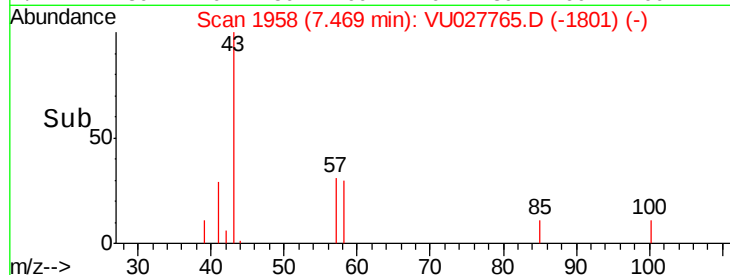
85 8.8 11.4 17.0#



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



Time--> 7.40 7.45 7.50 7.55



#46

t-1,4-Dichloro-2-butene

Concen: 0.635 ug/l

RT: 10.50 min Scan# 2901

Delta R.T. -0.02 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Tgt Ion: 75 Resp: 651

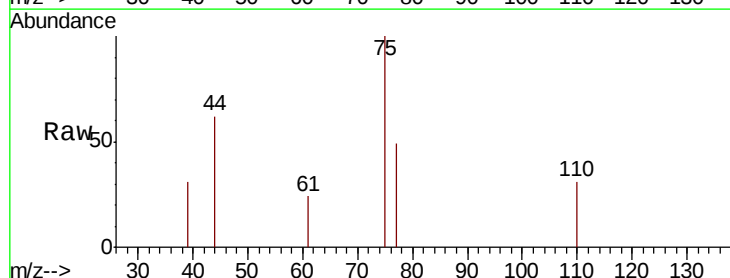
Ion Ratio Lower Upper

75 100

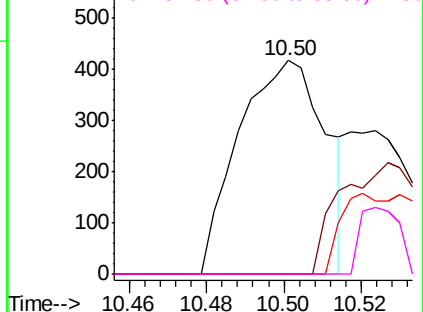
53 45.8 68.2 102.4#

89 32.6 41.8 62.6#

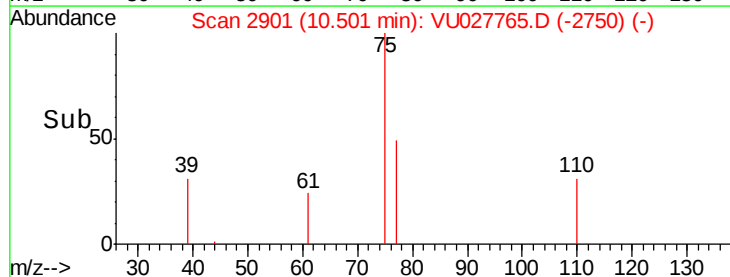
88 14.1 33.8 50.8#

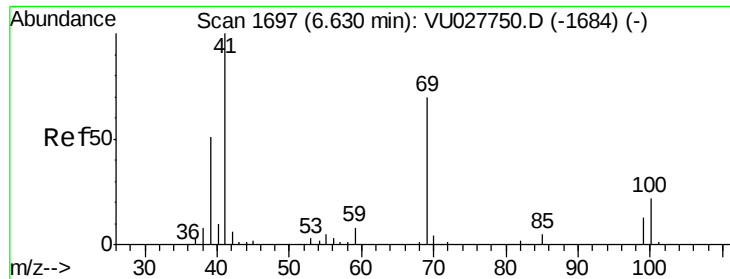


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0



Time--> 10.46 10.48 10.50 10.52

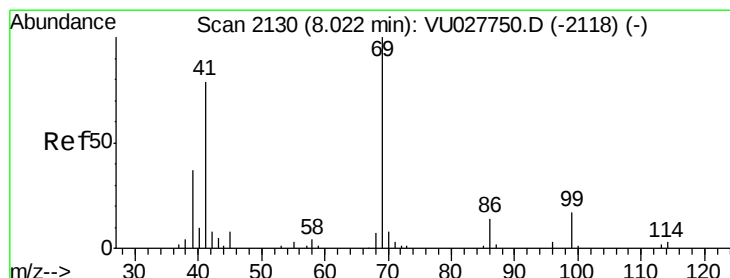
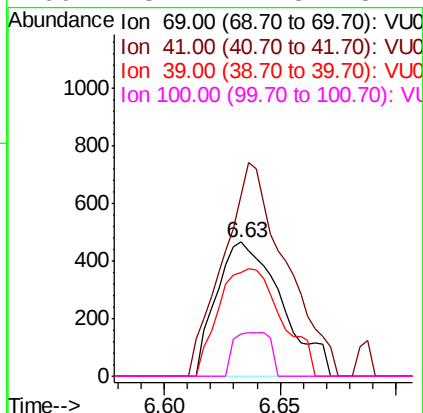
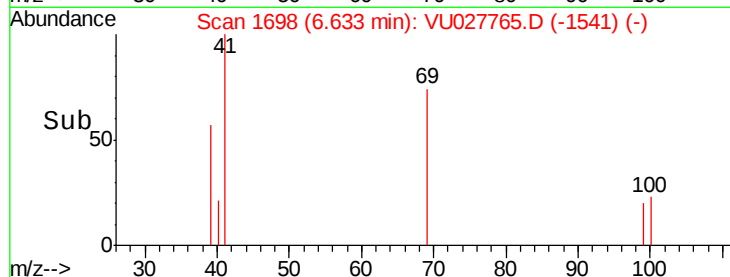
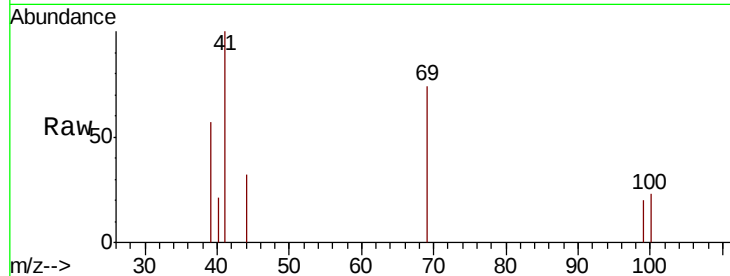




#47
Methyl methacrylate
Concen: 0.492 ug/l
RT: 6.63 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

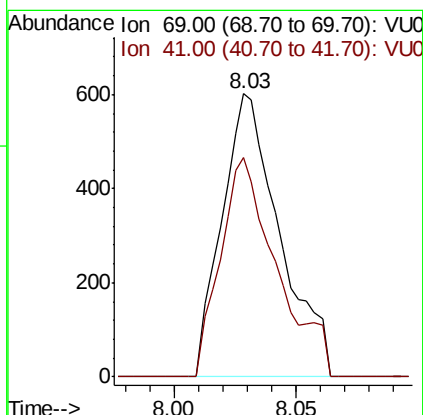
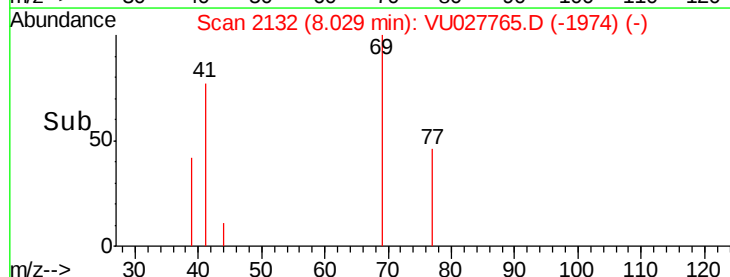
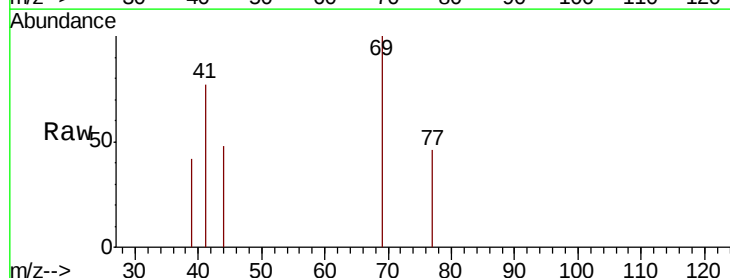
Instrument :
MSVOA_U
ClientSampleId :

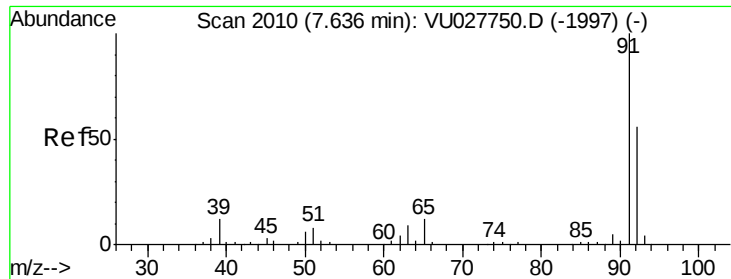
Tot Ion: 69 Resp: 909
Ion Ratio Lower Upper
69 100
41 152.6 0.0 281.2
39 78.1 58.6 88.0
100 18.4 24.8 37.2#



#48
Ethyl methacrylate
Concen: 0.258 ug/l
RT: 8.03 min Scan# 2132
Delta R.T. 0.01 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Tgt Ion: 69 Resp: 989
Ion Ratio Lower Upper
69 100
41 75.3 39.1 117.2





#49

Toluene

Concen: 0.254 ug/l

RT: 7.64 min Scan# 2012

Delta R.T. 0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

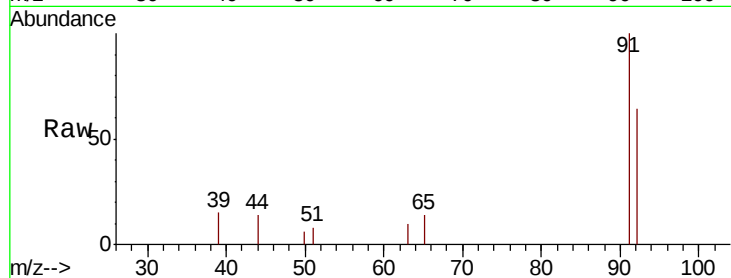
ClientSampled :

Tot Ion: 92 Resp: 2064

Ion Ratio Lower Upper

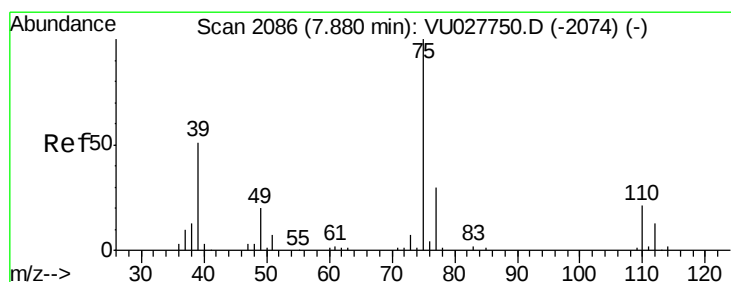
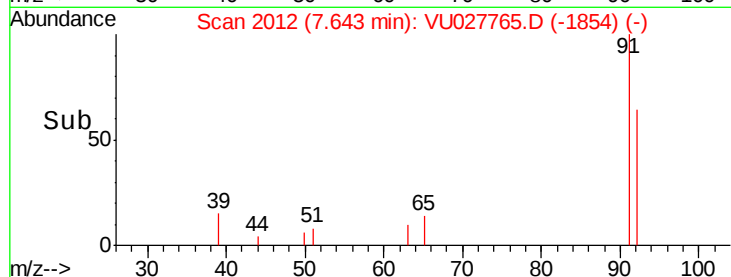
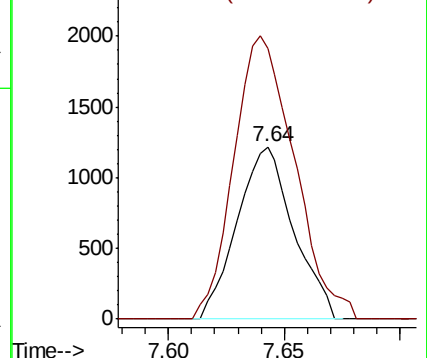
92 100

91 176.0 141.8 212.8



Abundance Ion 92.00 (91.70 to 92.70): VU027765.D (-1930) (-)

Ion 91.00 (90.70 to 91.70): VU027765.D (-1930) (-)



#50

t-1,3-Dichloropropene

Concen: 0.250 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027765.D

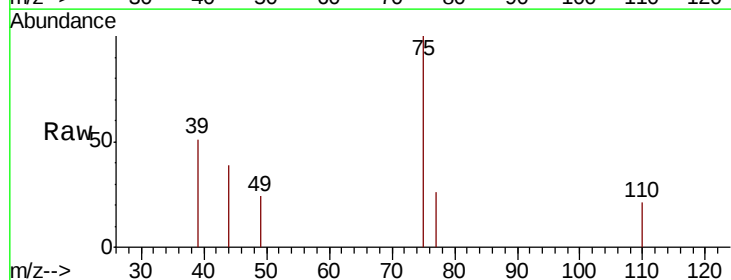
Acq: 23 Oct 2018 16:09

Tgt Ion: 75 Resp: 1186

Ion Ratio Lower Upper

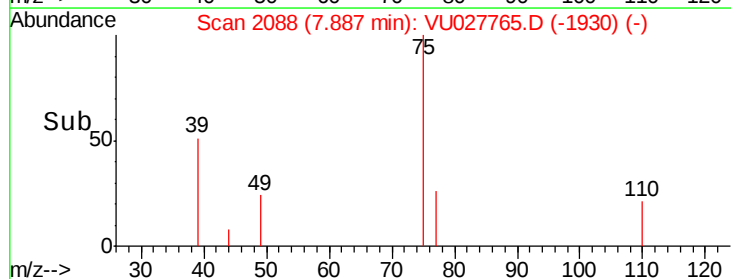
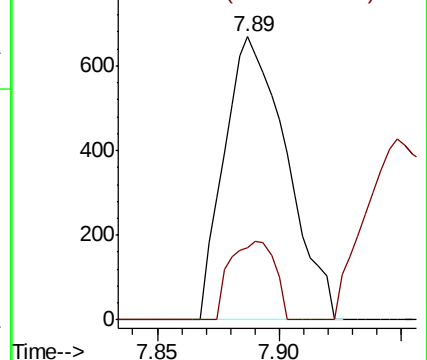
75 100

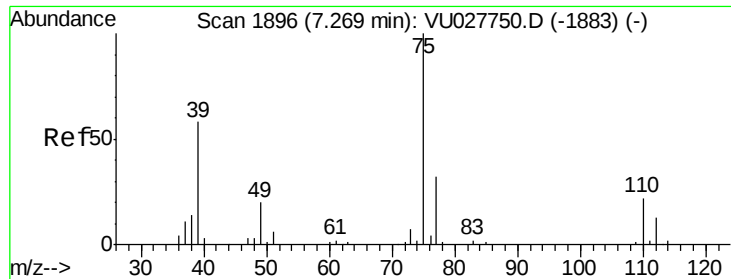
77 25.6 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VU027765.D (-1930) (-)

Ion 77.00 (76.70 to 77.70): VU027765.D (-1930) (-)



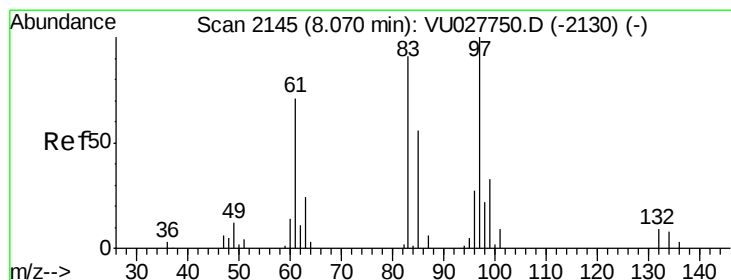
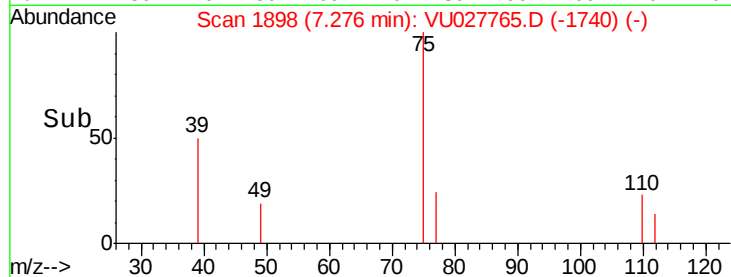
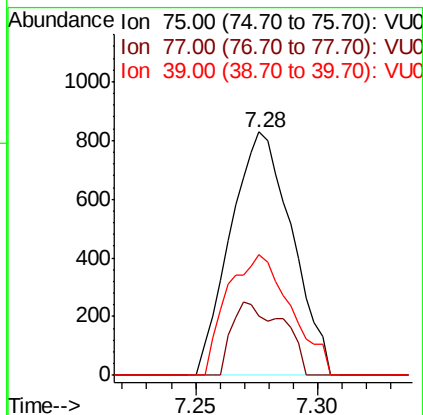
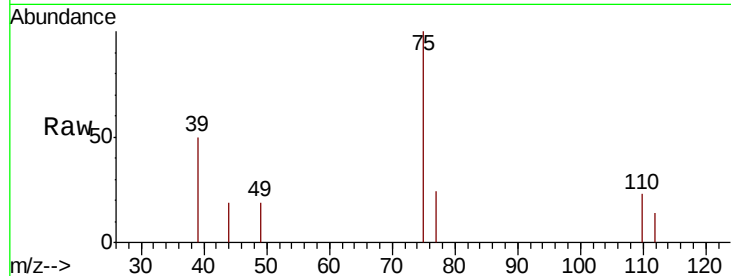


#51

cis-1,3-Dichloropropene
Concen: 0.259 ug/l
RT: 7.28 min Scan# 1898
Delta R.T. 0.01 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Instrument :
MSVOA_U
ClientSampled :

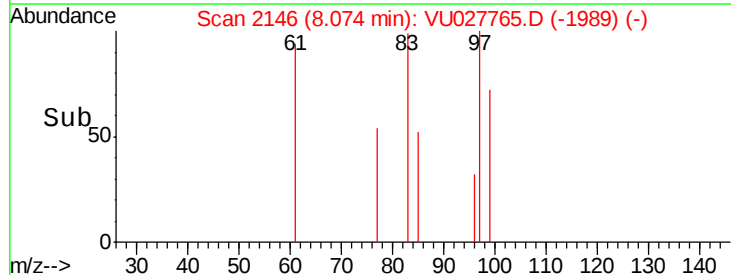
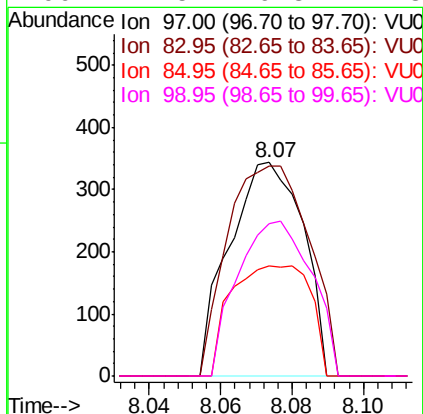
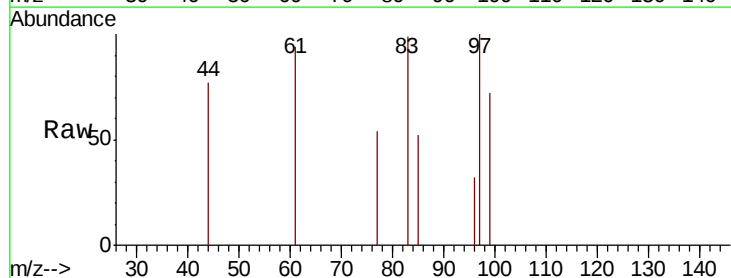
Tot Ion: 75 Resp: 1447
Ion Ratio Lower Upper
75 100
77 24.1 25.3 37.9#
39 49.8 46.4 69.6

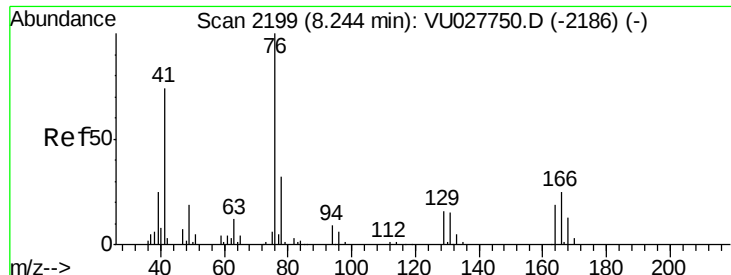


#52

1,1,2-Trichloroethane
Concen: 0.207 ug/l
RT: 8.07 min Scan# 2146
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Tgt Ion: 97 Resp: 490
Ion Ratio Lower Upper
97 100
83 98.5 73.0 109.6
85 51.7 46.5 69.7
99 71.5 49.8 74.8

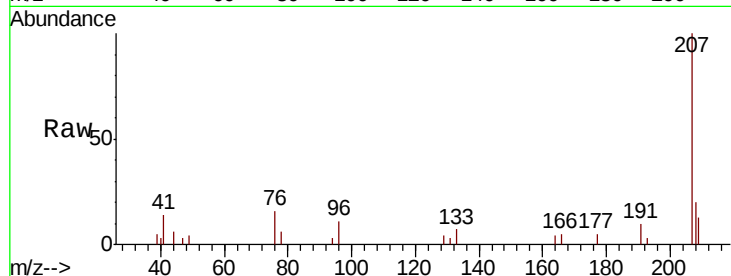




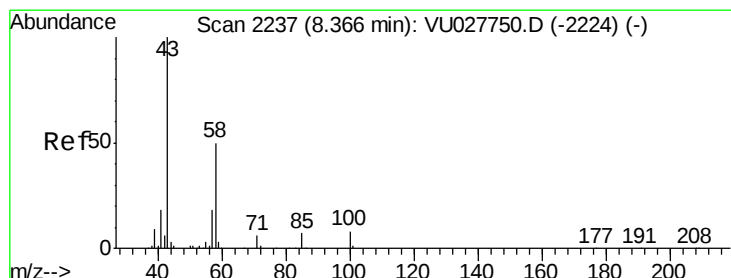
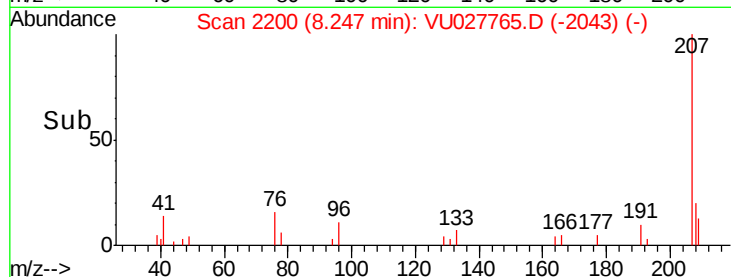
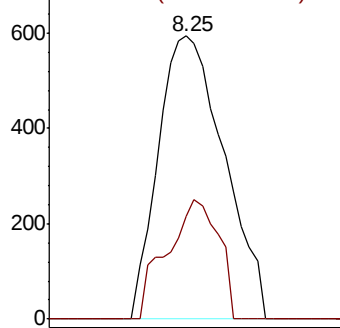
#53
 1,3-Dichloropropane
 Concen: 0.245 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 76 Resp: 1114
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.4 38.0

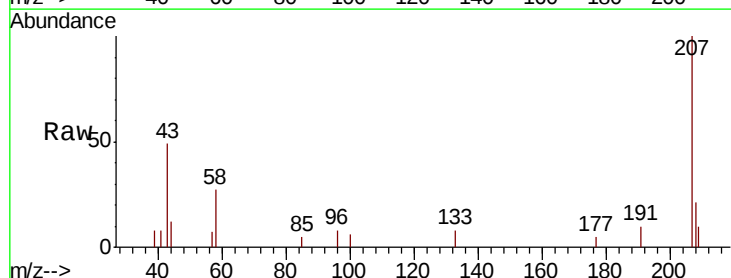


Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0

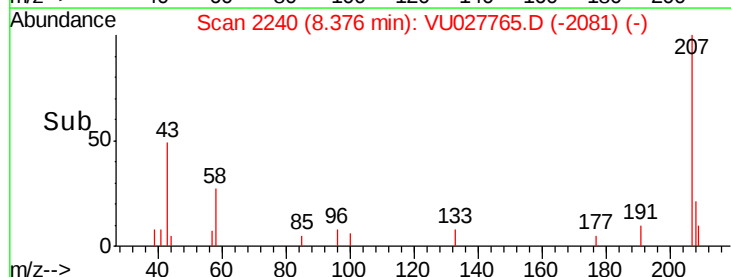
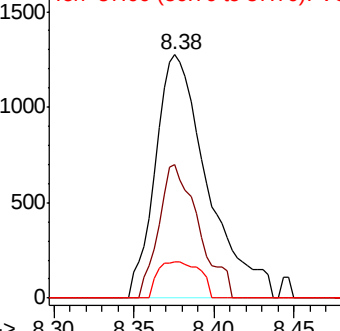


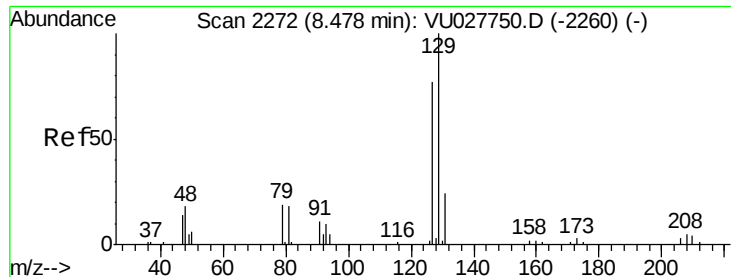
#54
 2-Hexanone
 Concen: 1.410 ug/l
 RT: 8.38 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Tgt Ion: 43 Resp: 2856
 Ion Ratio Lower Upper
 43 100
 58 41.8 30.0 70.0
 57 12.0 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





#55

Dibromochloromethane

Concen: 0.234 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

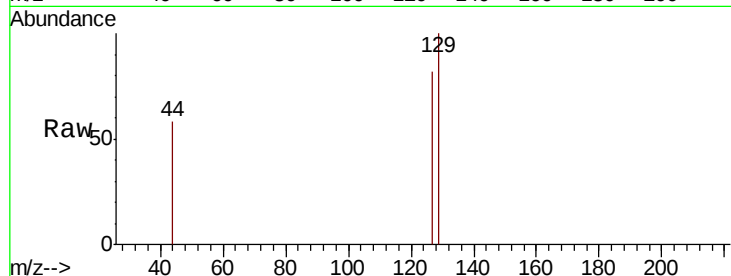
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 697

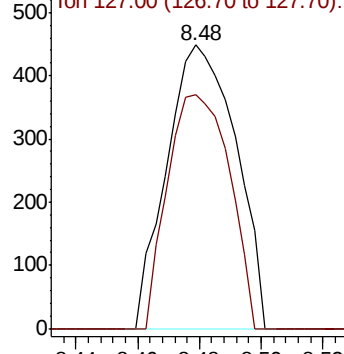
Ion Ratio Lower Upper

129 100

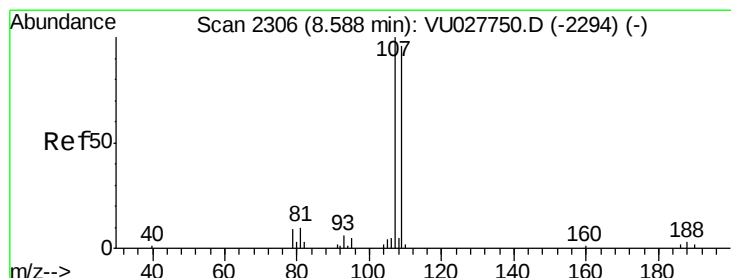
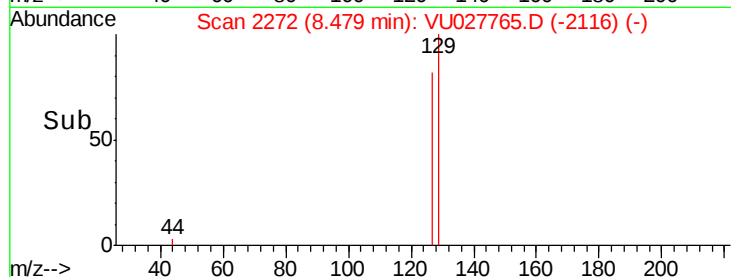
127 74.0 61.9 92.9



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



Time--> 8.44 8.46 8.48 8.50 8.52



#56

1,2-Dibromoethane

Concen: 0.217 ug/l

RT: 8.59 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VU027765.D

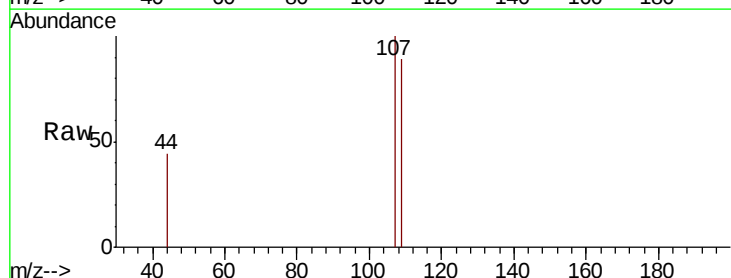
Acq: 23 Oct 2018 16:09

Tgt Ion:107 Resp: 505

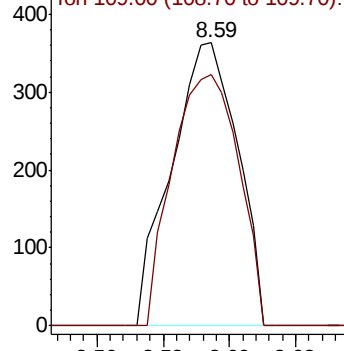
Ion Ratio Lower Upper

107 100

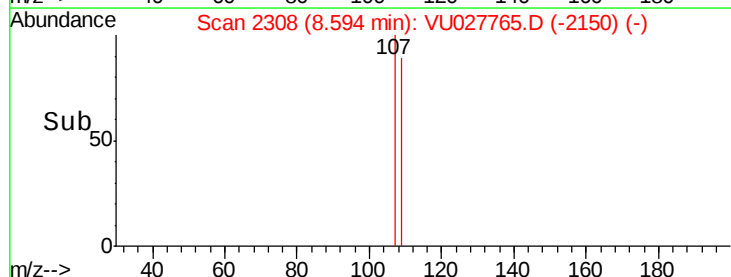
109 88.9 0.0 188.4

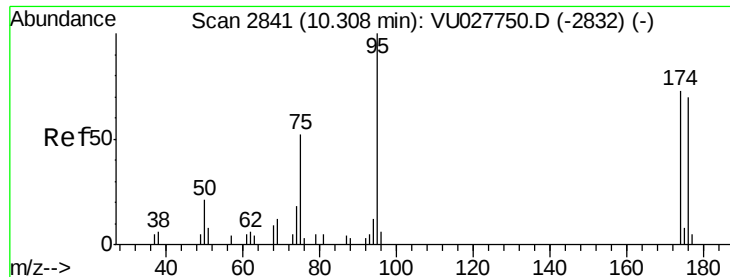


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



Time--> 8.56 8.58 8.60 8.62

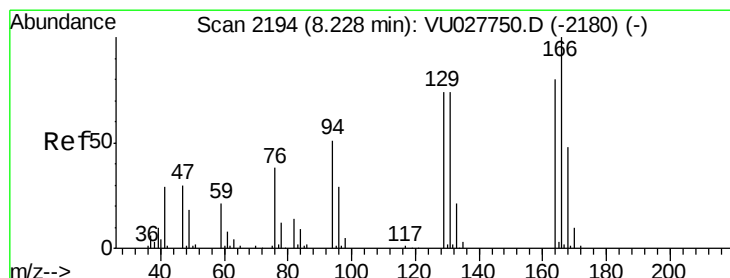
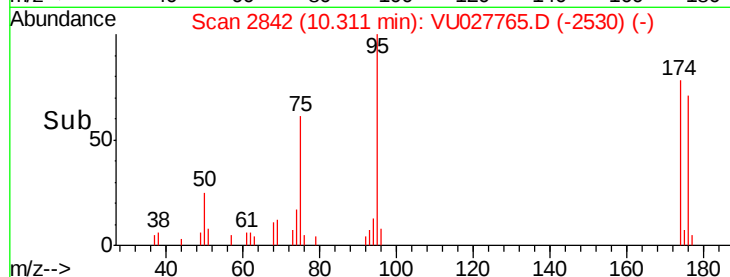
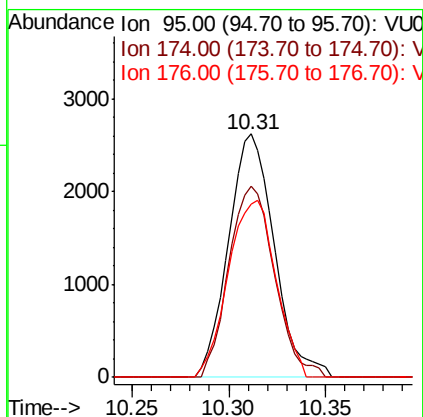
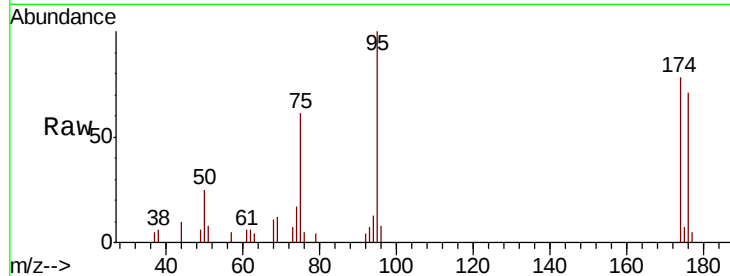




#57
 4-Bromofluorobenzene
 Concen: 0.217 ug/l
 RT: 10.31 min Scan# 2842
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

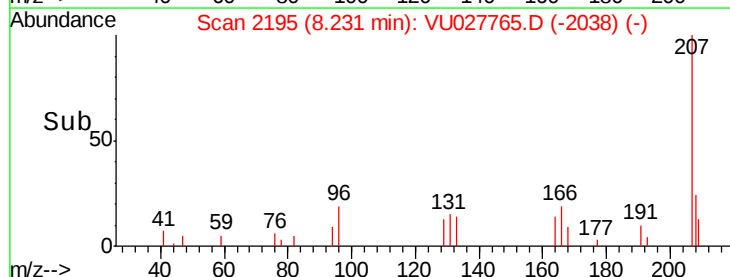
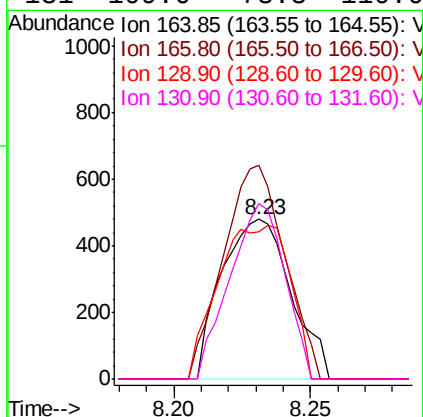
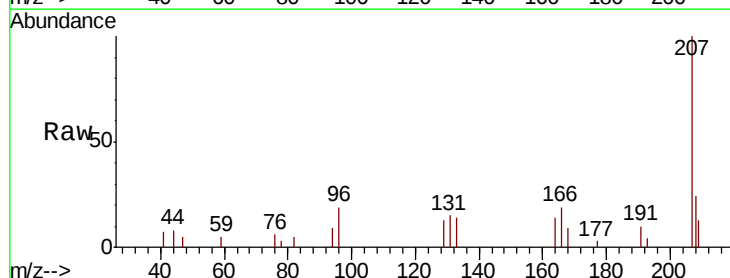
Instrument :
 MSVOA_U
 ClientSampleId :

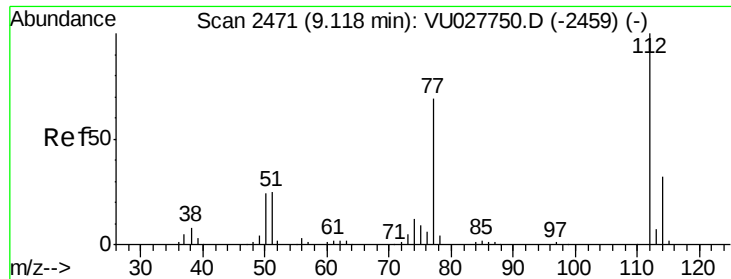
Tot Ion: 95 Resp: 4326
 Ion Ratio Lower Upper
 95 100
 174 78.1 64.5 96.7
 176 75.6 58.3 87.5



#58
 Tetrachloroethene
 Concen: 0.265 ug/l
 RT: 8.23 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Tgt Ion: 164 Resp: 846
 Ion Ratio Lower Upper
 164 100
 166 133.5 100.2 150.4
 129 92.1 73.7 110.5
 131 109.6 73.8 110.6





#59

Chlorobenzene

Concen: 0.278 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

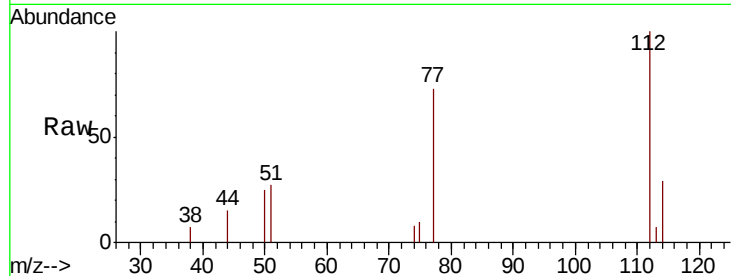
ClientSampleId :

Tot Ion:112 Resp: 2427

Ion Ratio Lower Upper

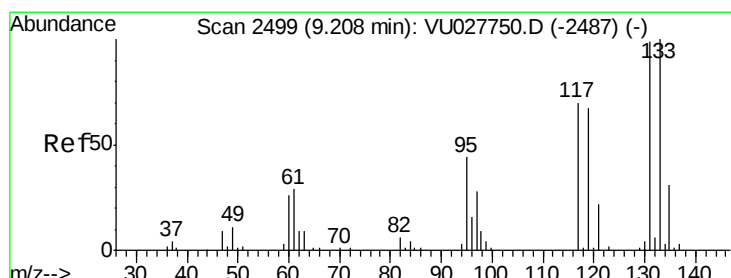
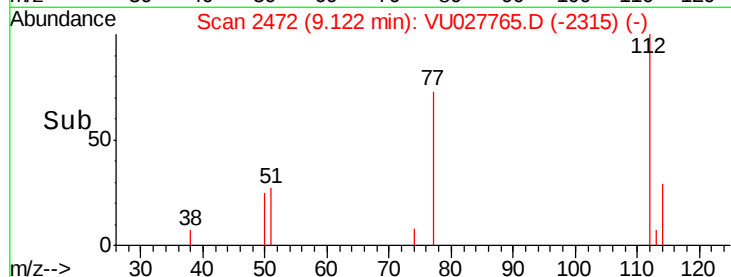
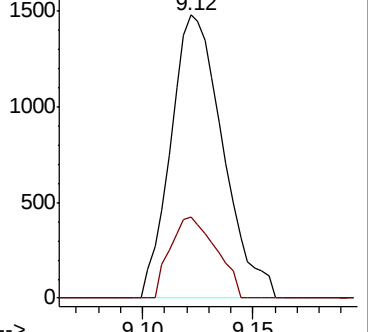
112 100

114 28.8 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: 0.223 ug/l

RT: 9.21 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

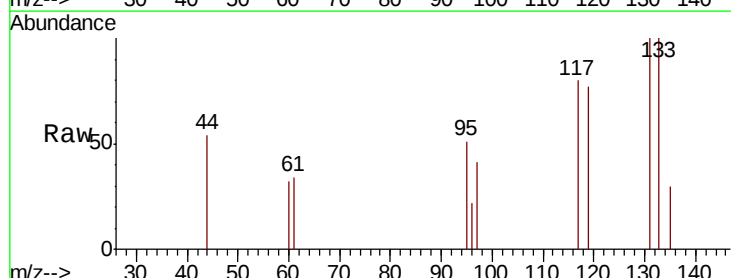
Tgt Ion:131 Resp: 707

Ion Ratio Lower Upper

131 100

133 118.5 77.5 116.3#

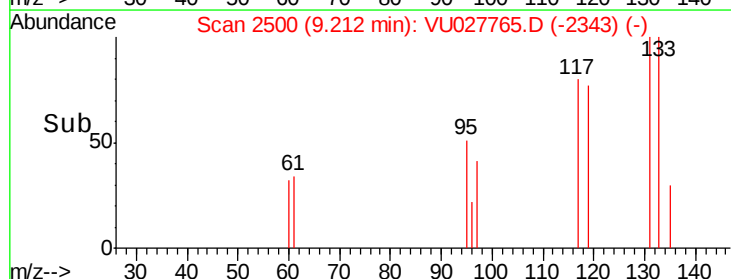
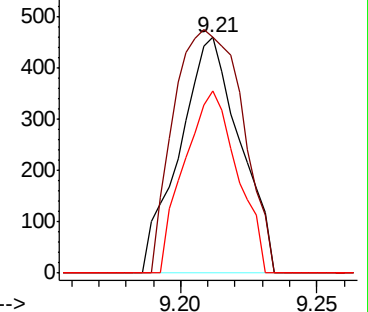
119 67.8 52.0 78.0

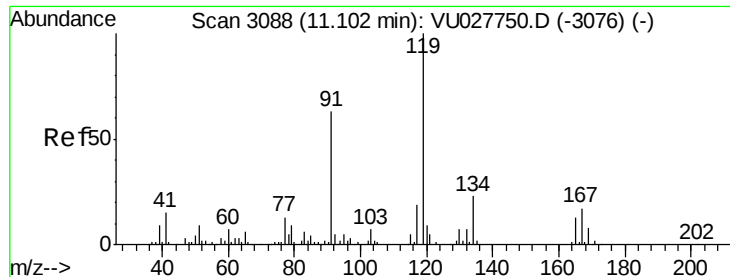


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.256 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

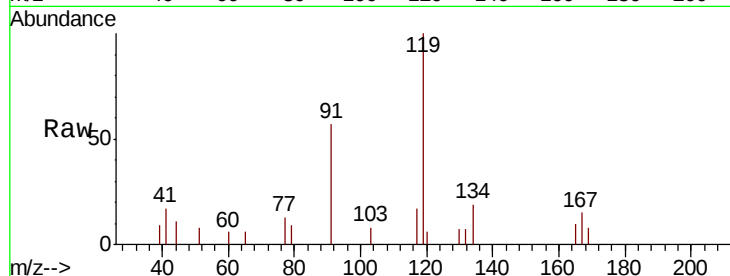
ClientSampleId :

Tot Ion:117 Resp: 606

Ion Ratio Lower Upper

117 100

167 84.3 70.1 105.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V

11.10

400

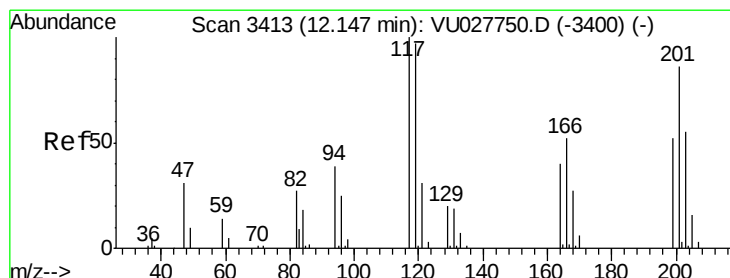
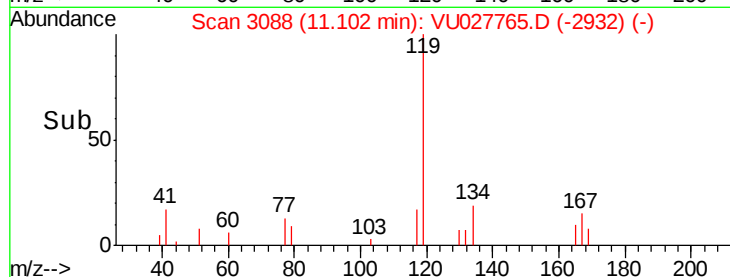
300

200

100

0

Time-->



#62

Hexachloroethane

Concen: 0.204 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU027765.D

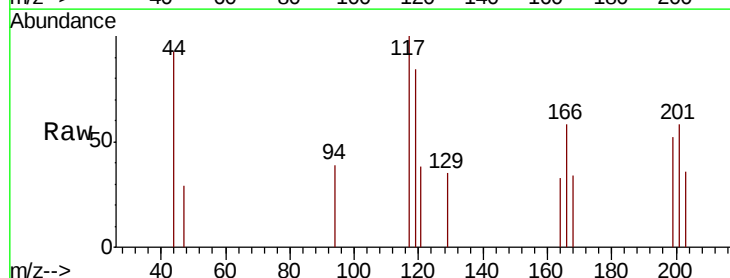
Acq: 23 Oct 2018 16:09

Tgt Ion:117 Resp: 531

Ion Ratio Lower Upper

117 100

201 82.5 66.0 99.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

12.14

500

400

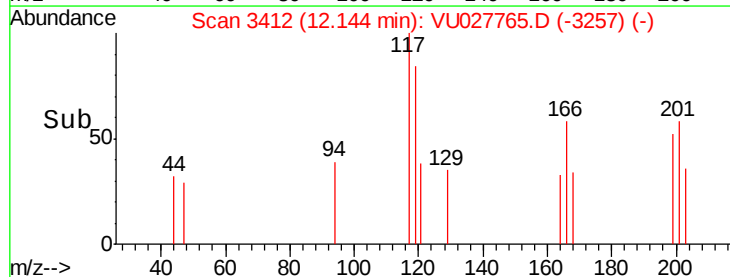
300

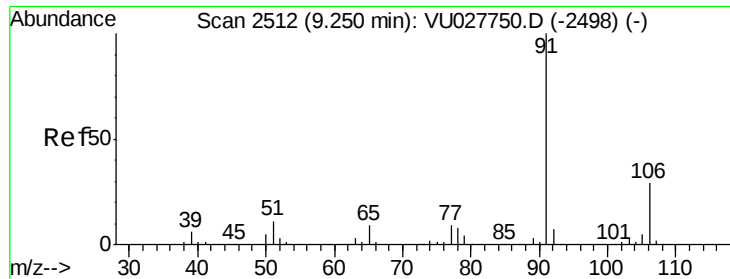
200

100

0

Time-->





#63

Ethyl Benzene

Concen: 0.286 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

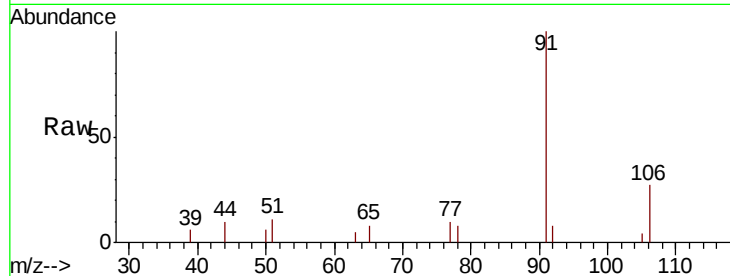
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 4724

Ion Ratio Lower Upper

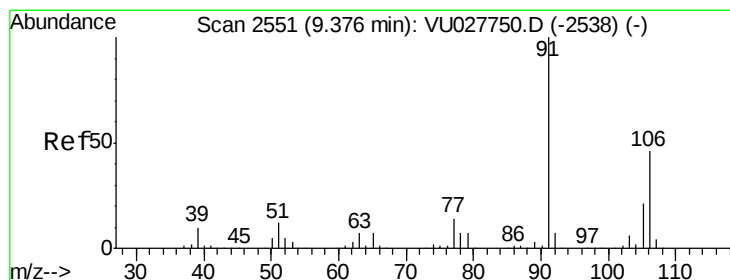
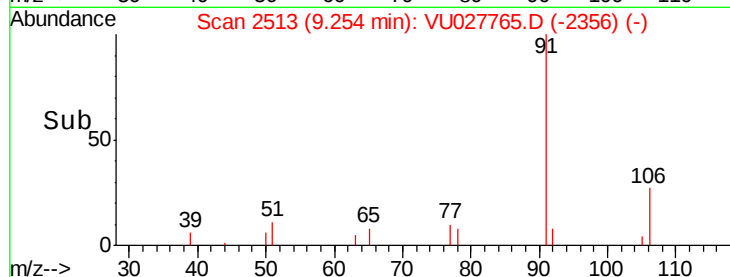
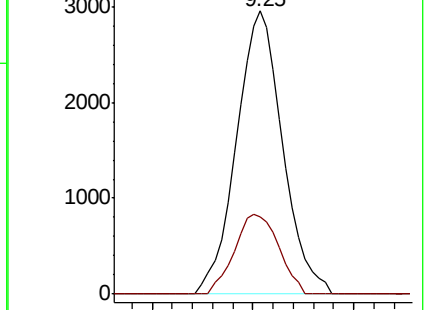
91 100

106 27.4 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) (-)



#64

m/p-Xylenes

Concen: 0.479 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027765.D

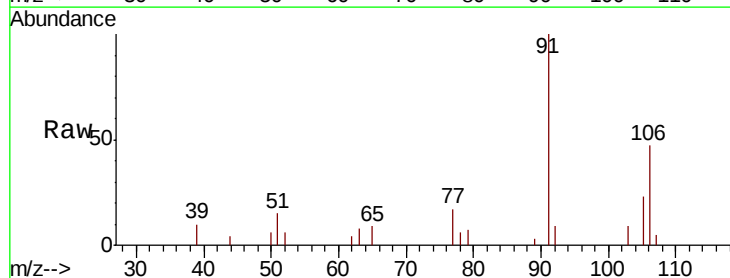
Acq: 23 Oct 2018 16:09

Tgt Ion: 106 Resp: 2827

Ion Ratio Lower Upper

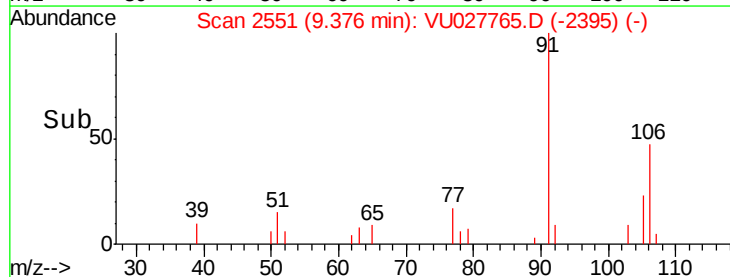
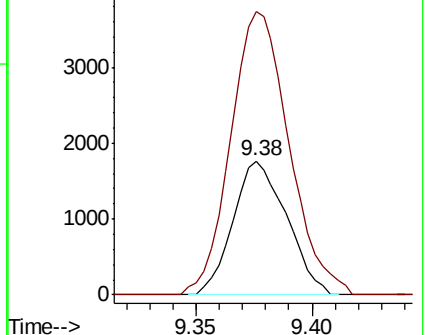
106 100

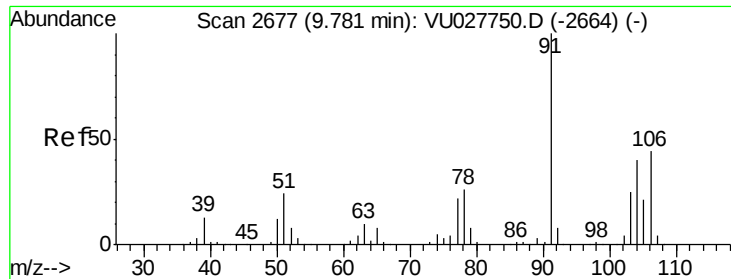
91 230.8 173.3 259.9



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

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

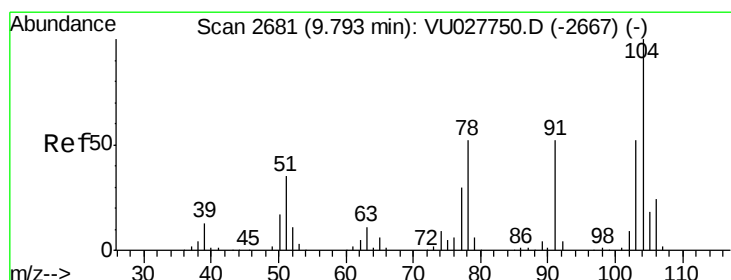
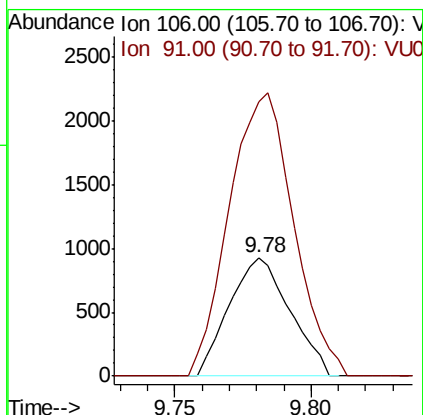
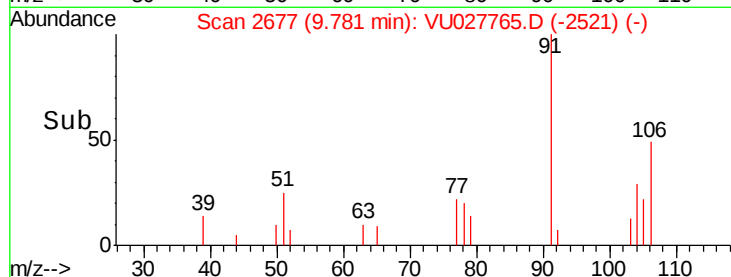
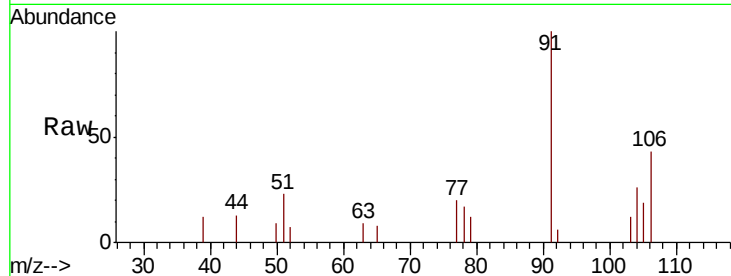




#65
o-Xylene
Concen: 0.245 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

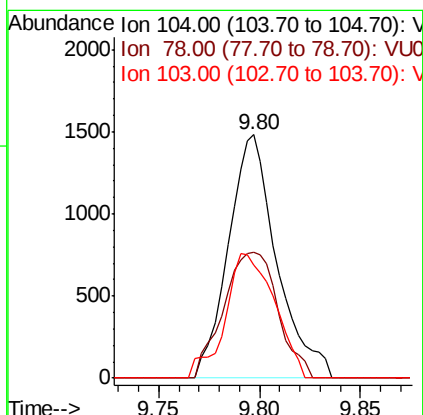
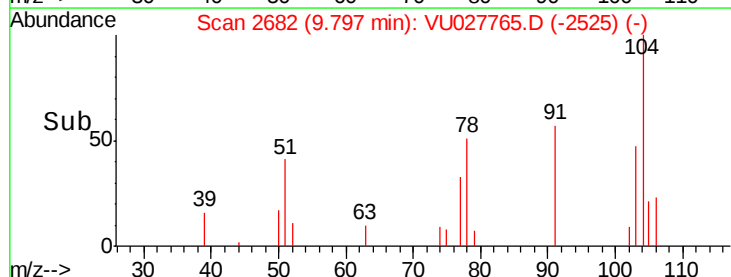
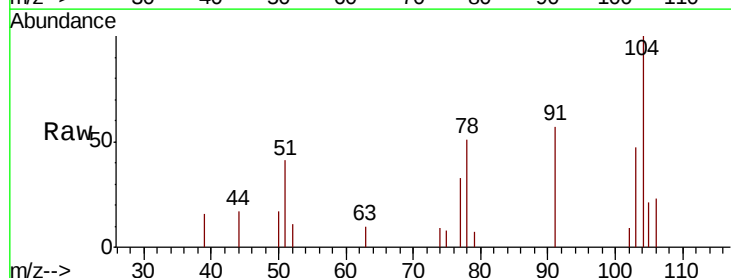
Instrument :
MSVOA_U
ClientSampled :

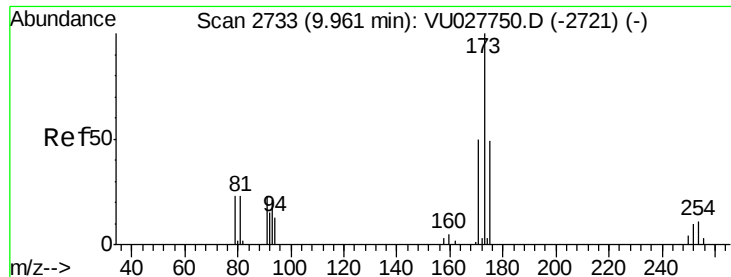
Tot Ion:106 Resp: 1432
Ion Ratio Lower Upper
106 100
91 254.0 113.4 340.2



#66
Styrene
Concen: 0.257 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Tgt Ion:104 Resp: 2480
Ion Ratio Lower Upper
104 100
78 58.2 45.2 67.8
103 52.5 44.8 67.2

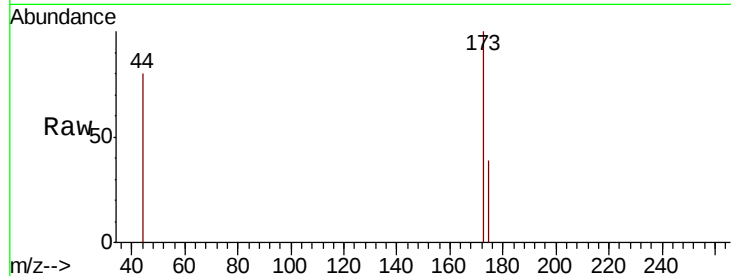




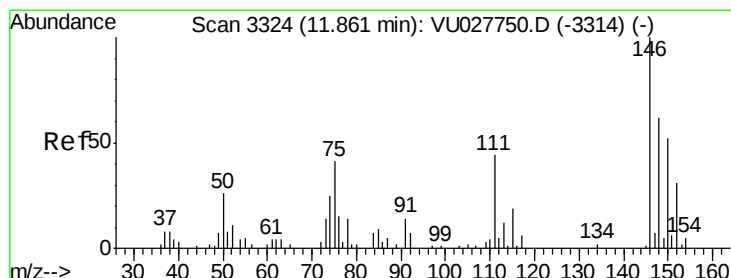
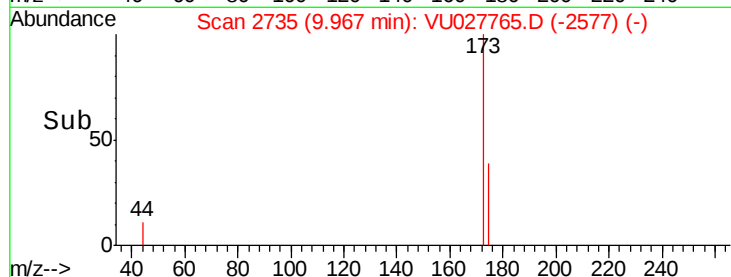
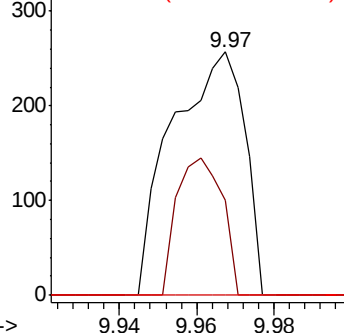
#67
Bromoform
Concen: 0.195 ug/l
RT: 9.97 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 335
Ion Ratio Lower Upper
173 100
175 35.2 39.6 59.4#
254 0.0 7.8 11.6#

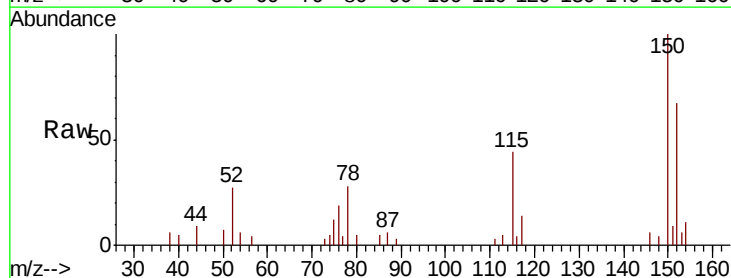


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

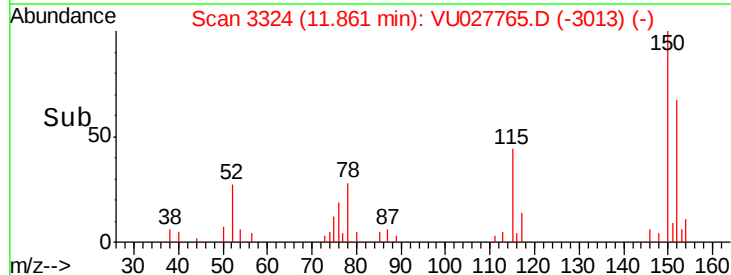
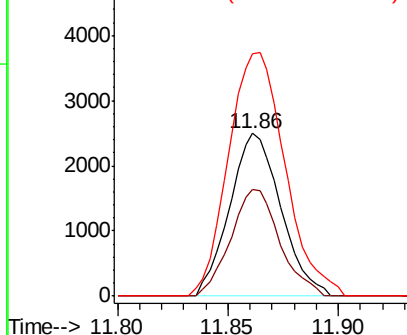


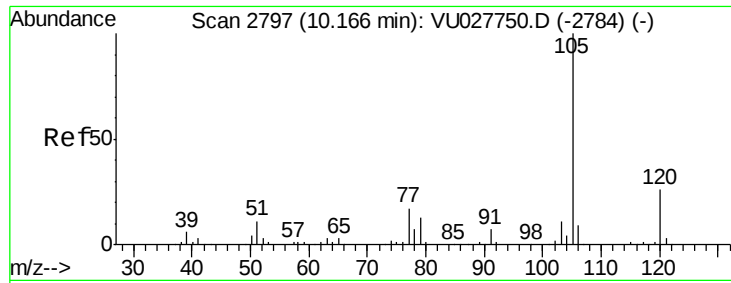
#68
1,2-Dichlorobenzene-d4
Concen: 0.195 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Tgt Ion:152 Resp: 4036
Ion Ratio Lower Upper
152 100
115 62.7 0.0 130.2
150 165.2 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: 0.252 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

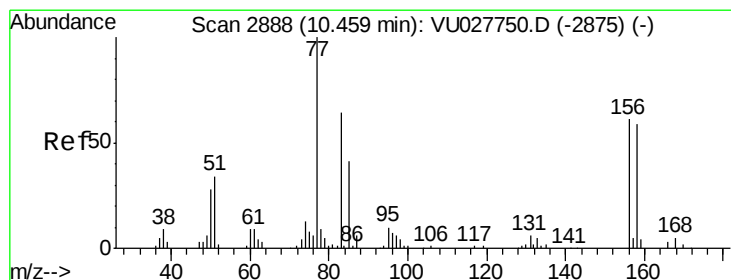
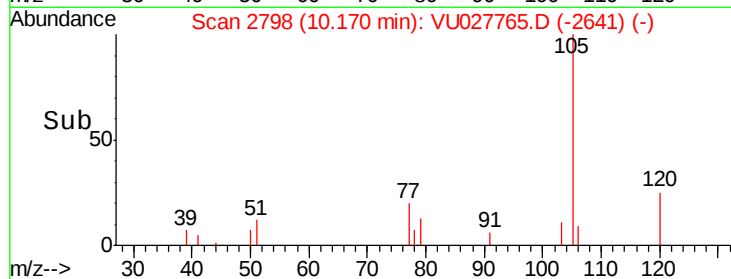
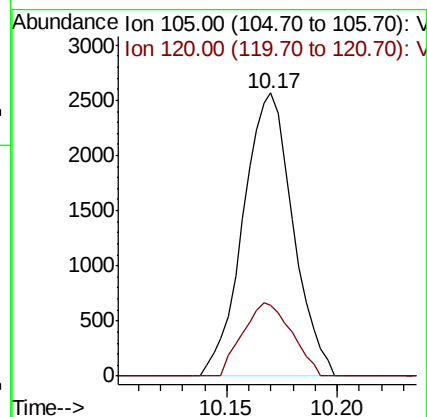
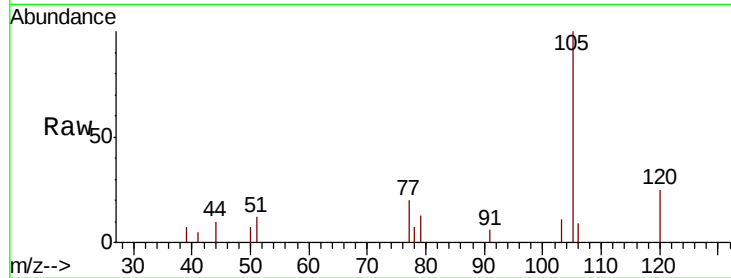
ClientSampled :

Tot Ion:105 Resp: 4039

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3



#70

1,1,2,2-Tetrachloroethane

Concen: 0.251 ug/l

RT: 10.46 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

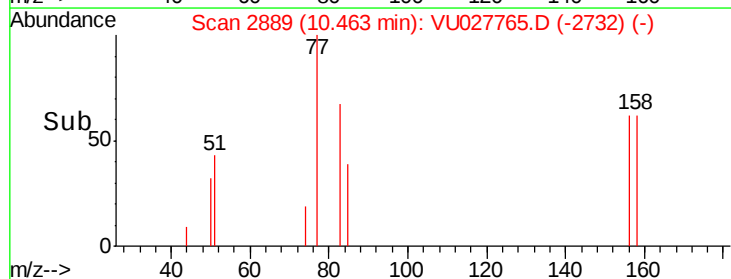
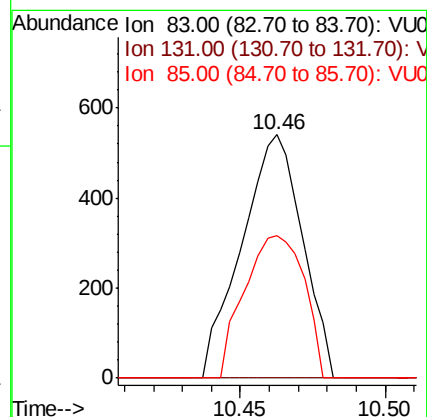
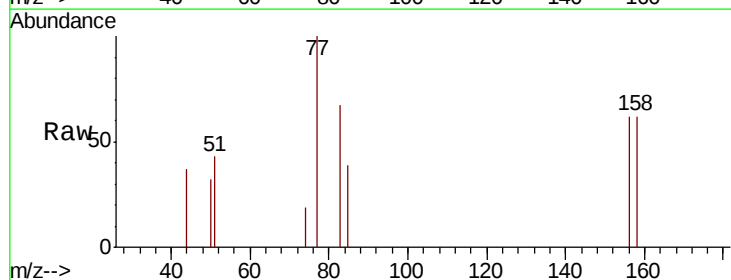
Tgt Ion: 83 Resp: 788

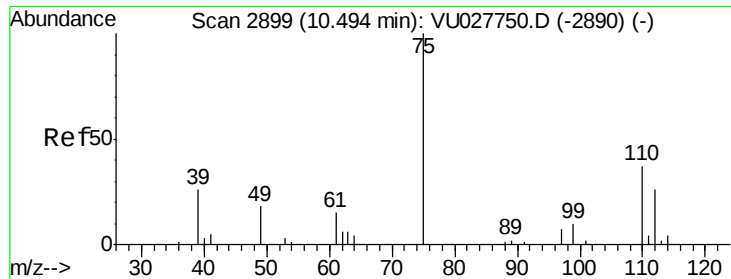
Ion Ratio Lower Upper

83 100

131 0.0 7.7 11.5#

85 57.4 51.2 76.8

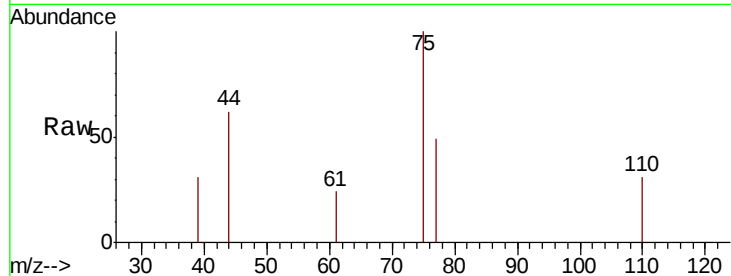




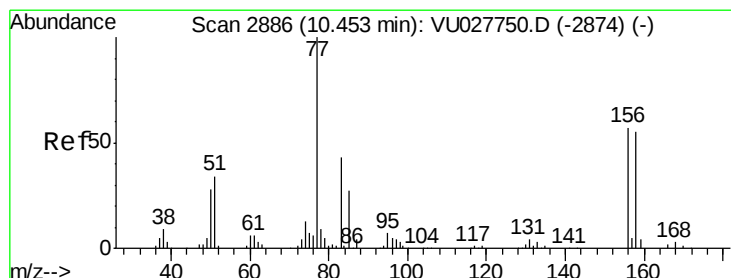
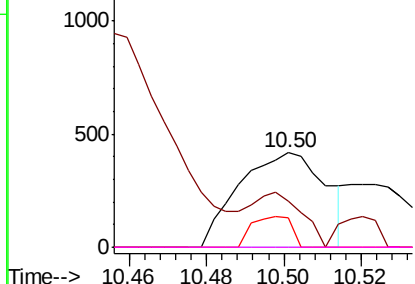
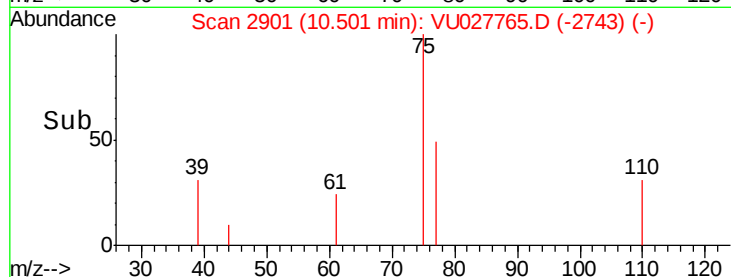
#71
 1,2,3-Trichloropropane
 Concen: 0.266 ug/l
 RT: 10.50 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	75	Resp:	651
Ion	Ratio	Lower	Upper
75	100		
77	33.5	0.0	0.0#
110	14.7	0.0	68.2
97	0.0	0.0	35.2

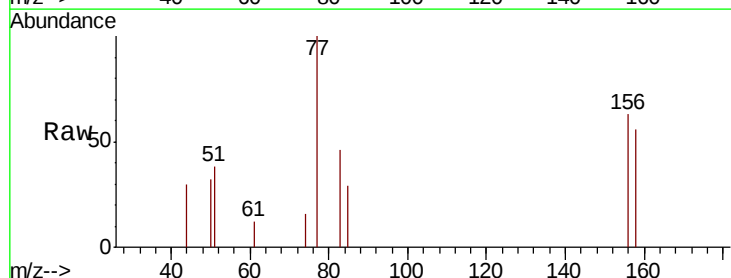


Abundance Ion 75.00 (74.70 to 75.70): VU027750.D (-2890) (-)
 Ion 77.00 (76.70 to 77.70): VU027750.D (-2890) (-)
 Ion 110.00 (109.70 to 110.70): VU027750.D (-2890) (-)
 Ion 97.00 (96.70 to 97.70): VU027750.D (-2890) (-)

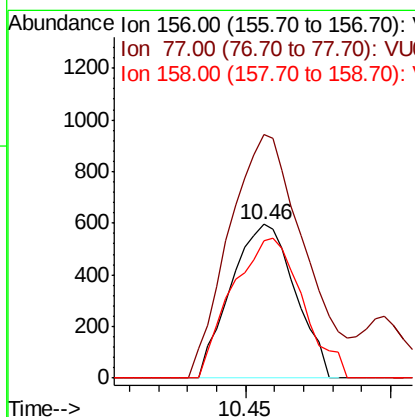
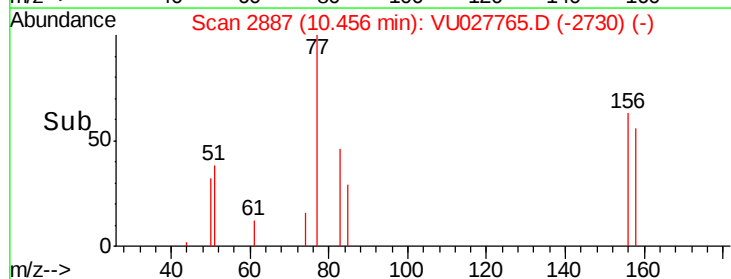


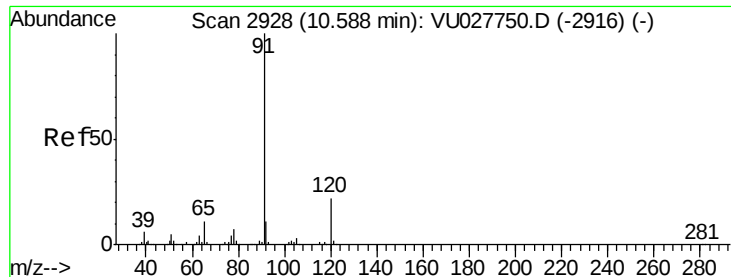
#72
 Bromobenzene
 Concen: 0.257 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU027765.D
 Acq: 23 Oct 2018 16:09

Tgt Ion:	156	Resp:	915
Ion	Ratio	Lower	Upper
156	100		
77	185.1	0.0	349.4
158	99.8	0.0	191.4



Abundance Ion 156.00 (155.70 to 156.70): VU027750.D (-2874) (-)
 Ion 77.00 (76.70 to 77.70): VU027750.D (-2874) (-)
 Ion 158.00 (157.70 to 158.70): VU027750.D (-2874) (-)





#73

n-propylbenzene

Concen: 0.235 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

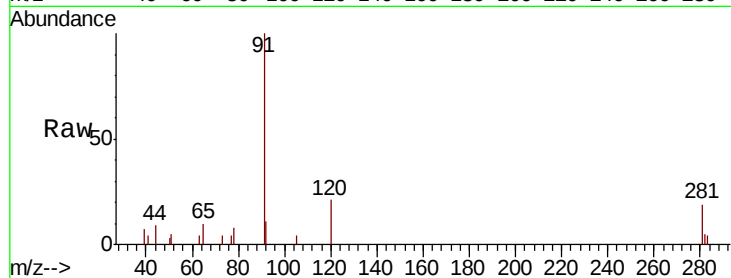
ClientSampleId :

Tot Ion:120 Resp: 969

Ion Ratio Lower Upper

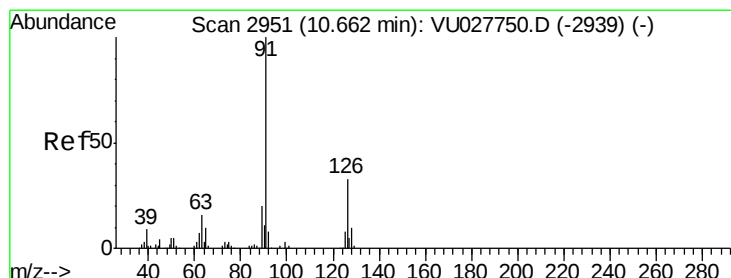
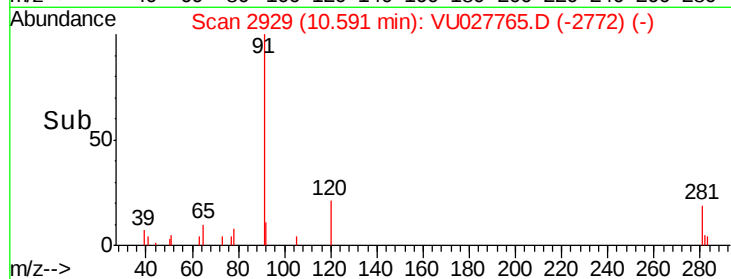
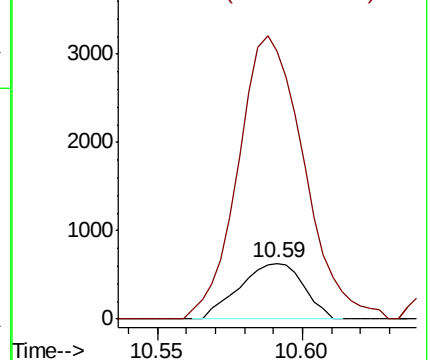
120 100

91 523.6 369.0 553.6



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.270 ug/l

RT: 10.67 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VU027765.D

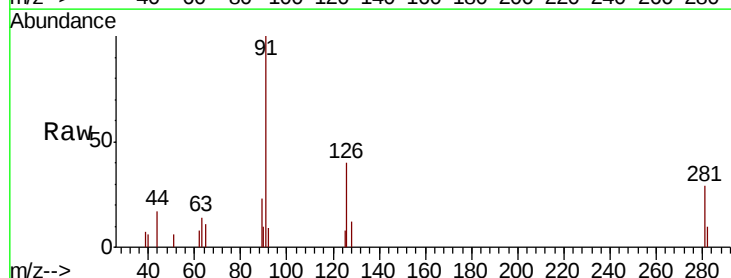
Acq: 23 Oct 2018 16:09

Tgt Ion:126 Resp: 955

Ion Ratio Lower Upper

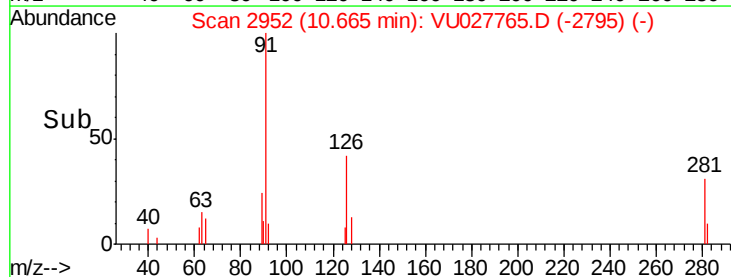
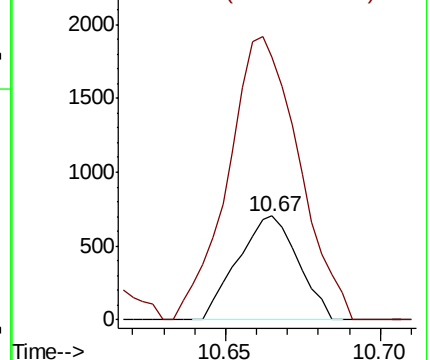
126 100

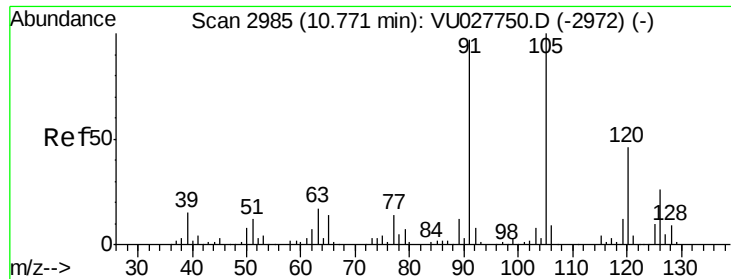
91 320.0 0.0 628.8



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: 0.264 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

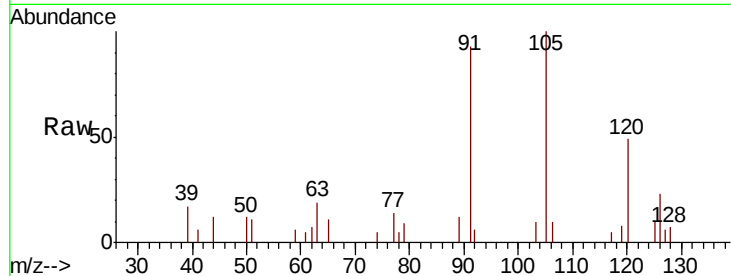
ClientSampled :

Tot Ion:105 Resp: 3531

Ion Ratio Lower Upper

105 100

120 50.1 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

2500

2000

1500

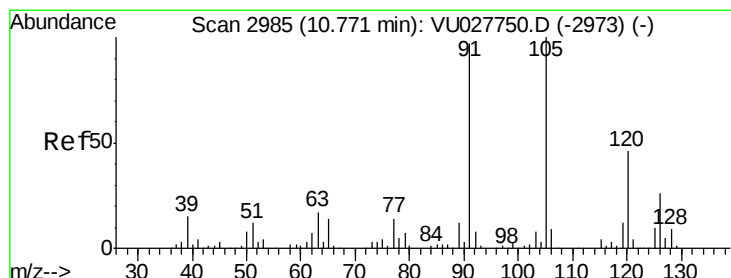
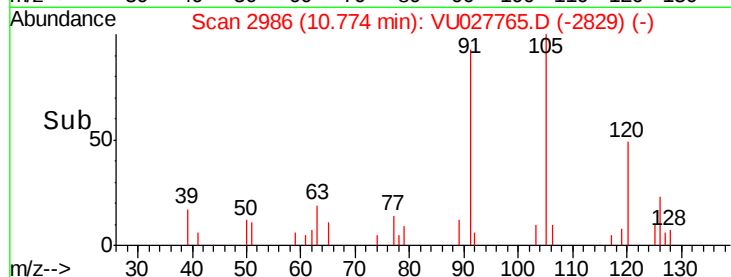
1000

500

0

10.75 10.80

Time-->



#76

4-Chlorotoluene

Concen: 0.240 ug/l

RT: 10.78 min Scan# 2987

Delta R.T. 0.01 min

Lab File: VU027765.D

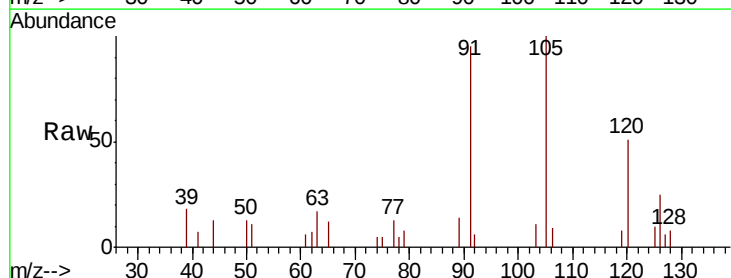
Acq: 23 Oct 2018 16:09

Tgt Ion:126 Resp: 860

Ion Ratio Lower Upper

126 100

91 384.7 0.0 734.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

2000

1500

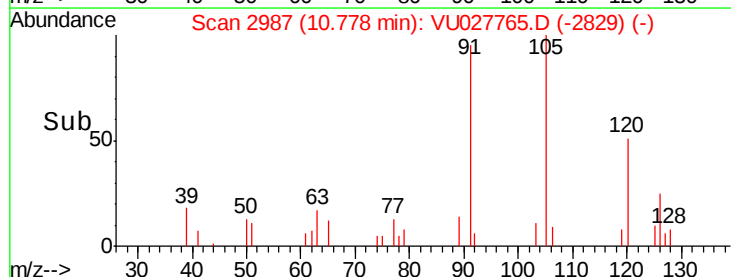
1000

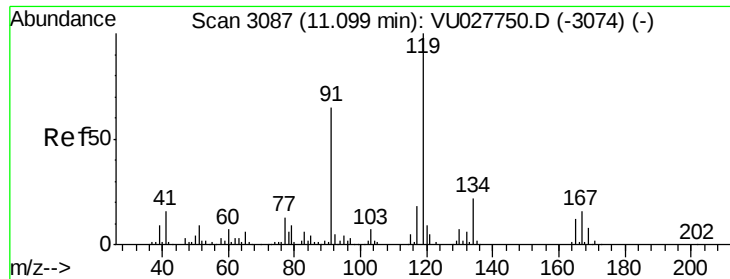
500

0

10.75 10.80

Time-->





#77

tert-Butylbenzene

Concen: 0.275 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

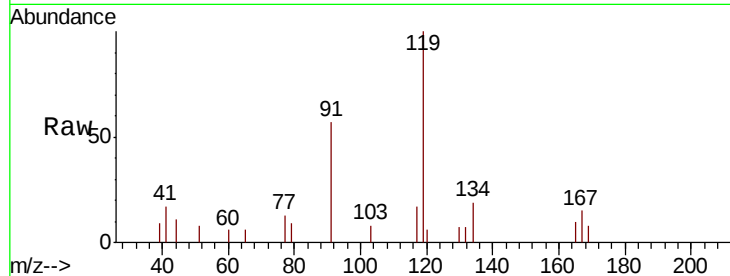
Tot Ion:119 Resp: 3606

Ion Ratio Lower Upper

119 100

91 62.1 31.8 95.4

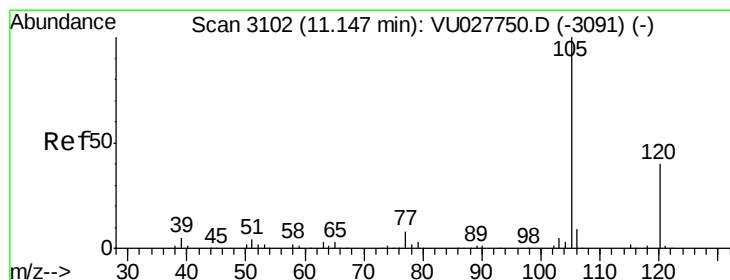
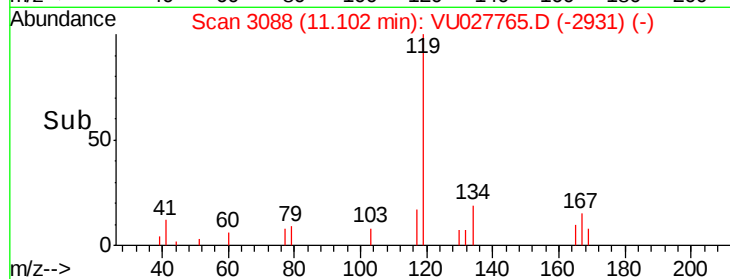
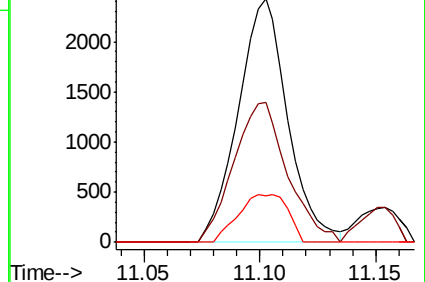
134 19.6 17.7 26.5



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: 0.267 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027765.D

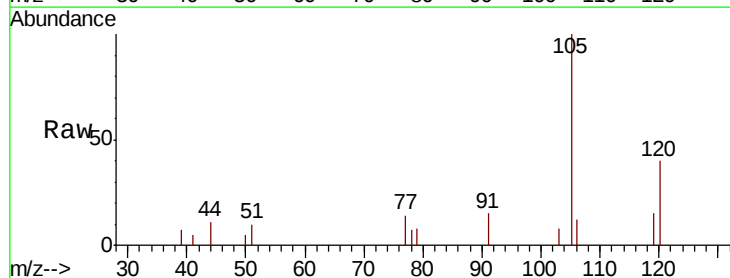
Acq: 23 Oct 2018 16:09

Tgt Ion:105 Resp: 3666

Ion Ratio Lower Upper

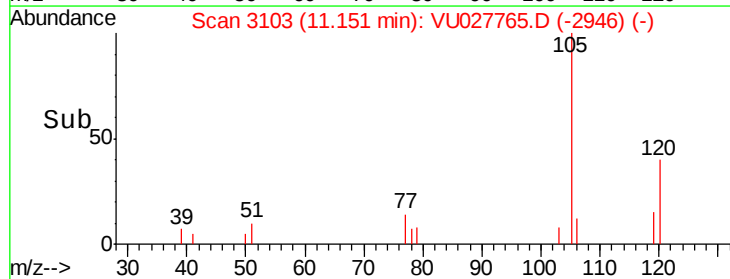
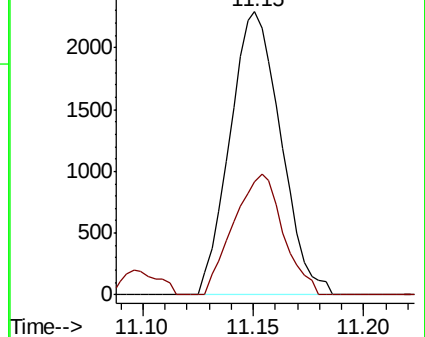
105 100

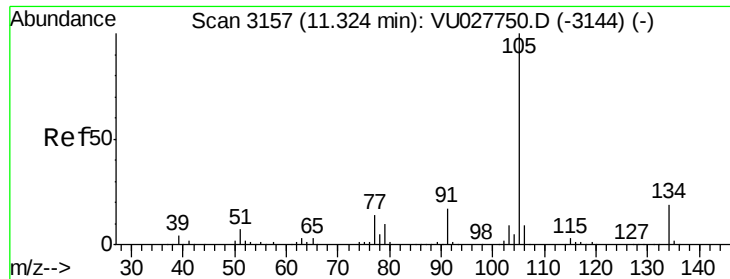
120 41.7 21.6 64.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.261 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

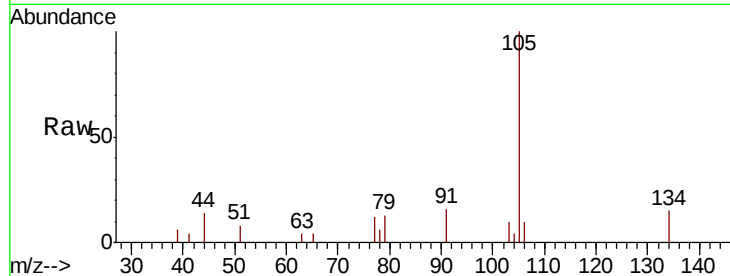
ClientSampleId :

Tot Ion:105 Resp: 4543

Ion Ratio Lower Upper

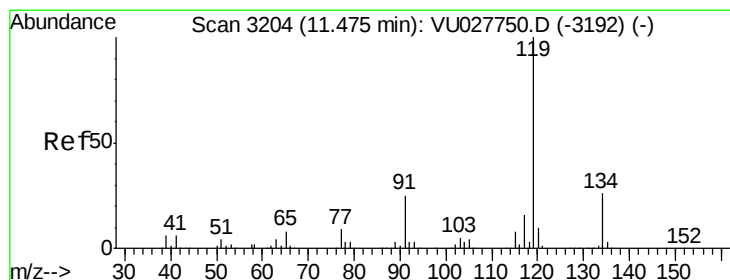
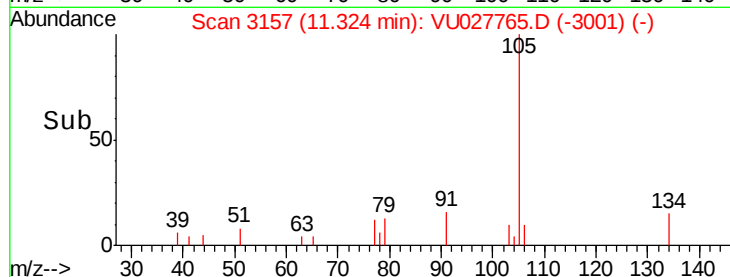
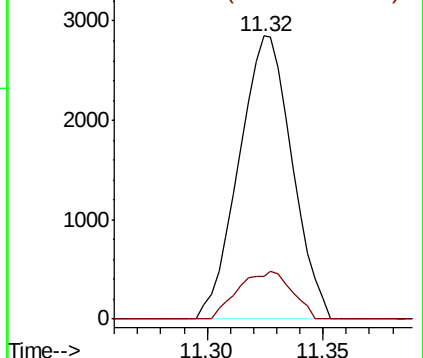
105 100

134 17.1 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: 0.257 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

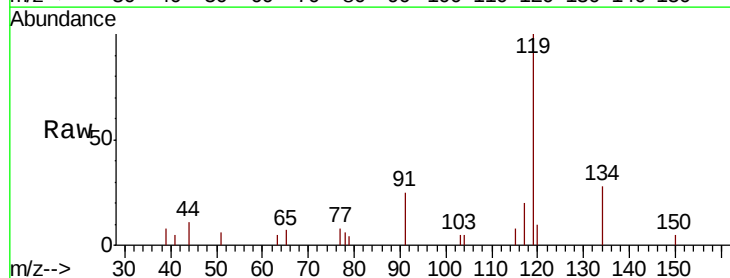
Tgt Ion:119 Resp: 3656

Ion Ratio Lower Upper

119 100

134 23.7 20.3 30.5

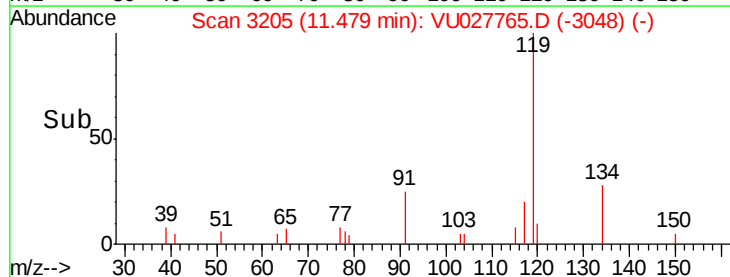
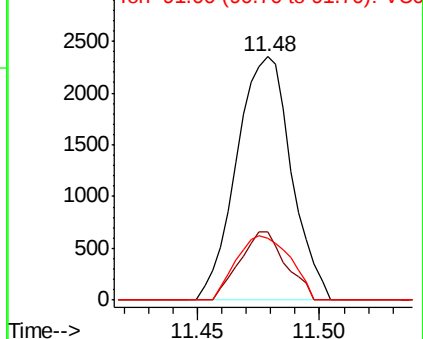
91 26.3 20.2 30.4

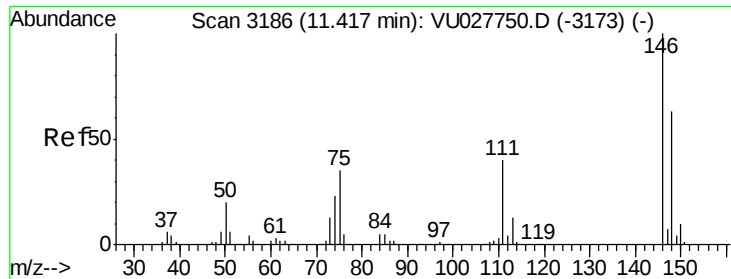


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#82

1,3-Dichlorobenzene

Concen: 0.289 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

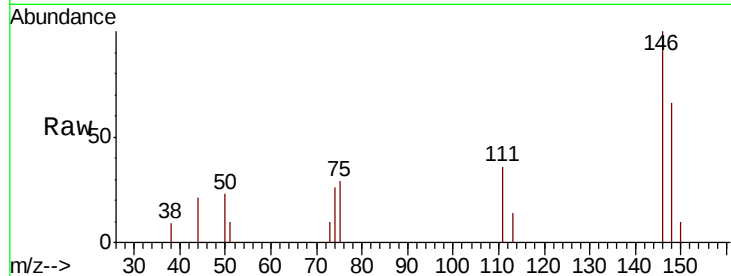
Tot Ion:146 Resp: 2040

Ion Ratio Lower Upper

146 100

111 37.3 32.7 49.1

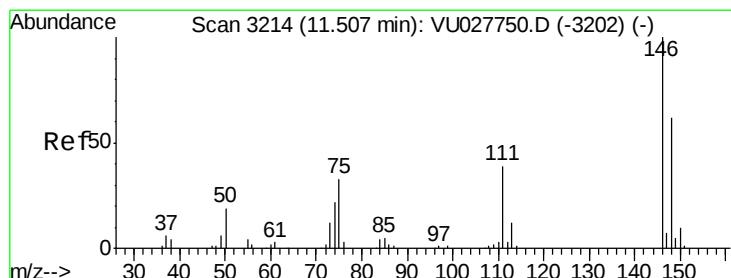
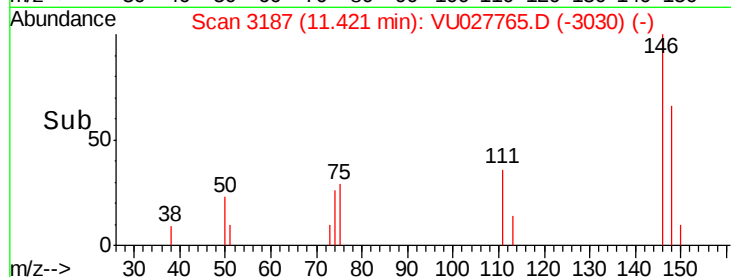
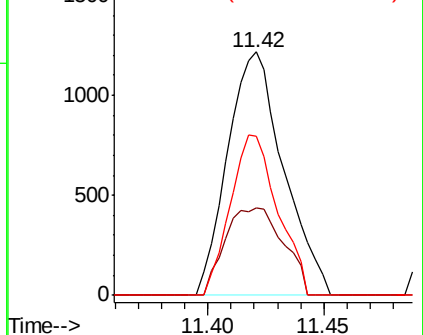
148 55.5 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#83

1,4-Dichlorobenzene

Concen: 0.291 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

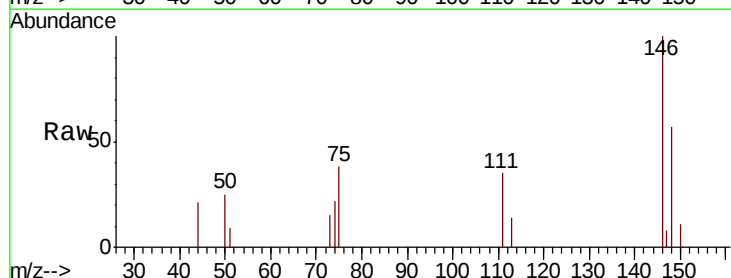
Tgt Ion:146 Resp: 2058

Ion Ratio Lower Upper

146 100

111 32.9 32.0 48.0

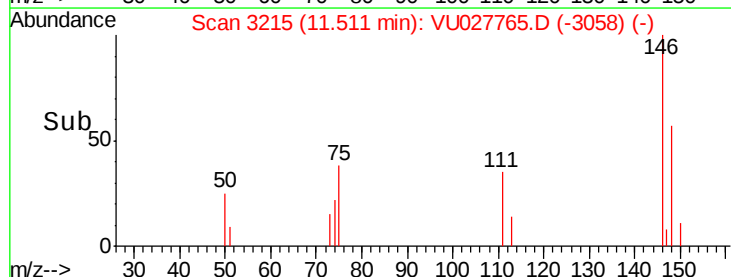
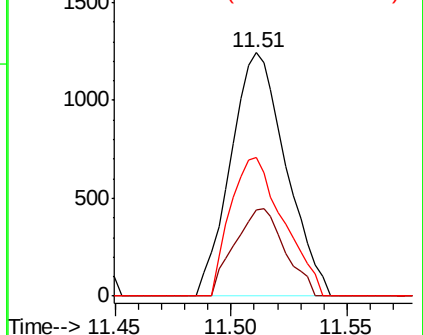
148 54.7 50.9 76.3

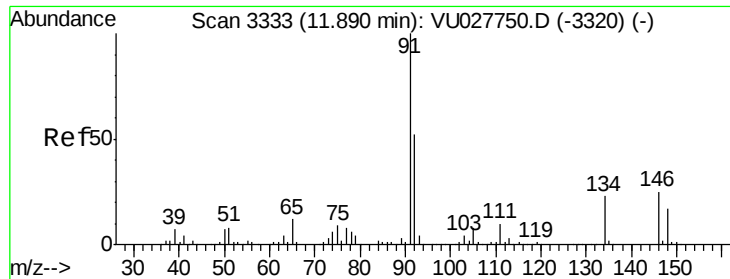


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

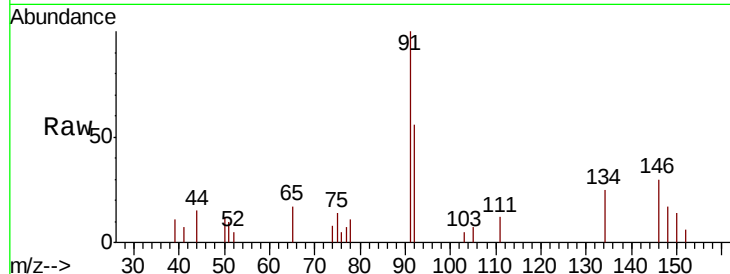




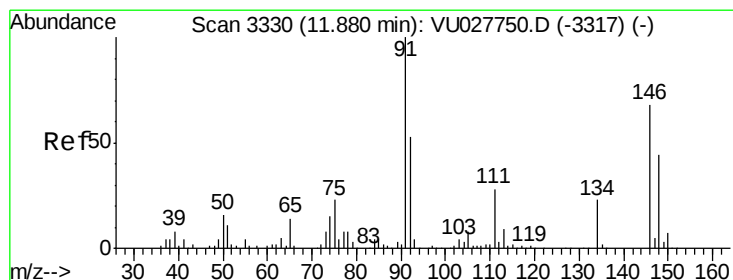
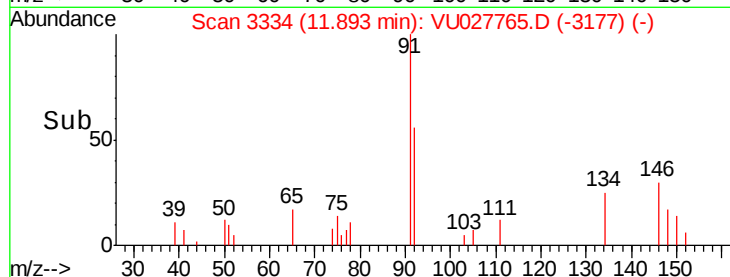
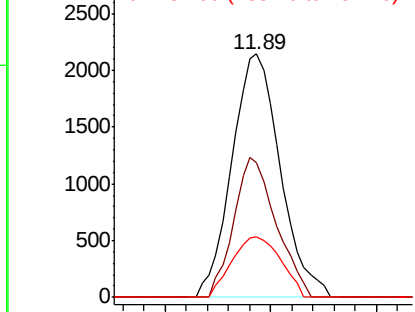
#84
n-Butylbenzene
Concen: 0.247 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 3416
Ion Ratio Lower Upper
91 100
92 49.9 42.1 63.1
134 25.1 18.6 28.0

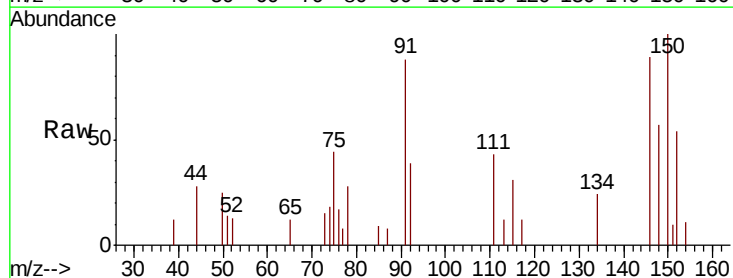


Abundance Ion 91.00 (90.70 to 91.70): VU027750.D (-3320) (-)
Ion 92.00 (91.70 to 92.70): VU027750.D (-3320) (-)
Ion 134.00 (133.70 to 134.70): VU027750.D (-3320) (-)

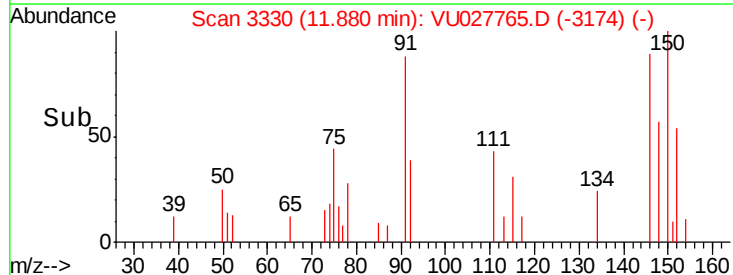
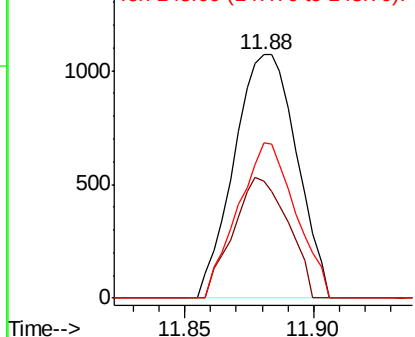


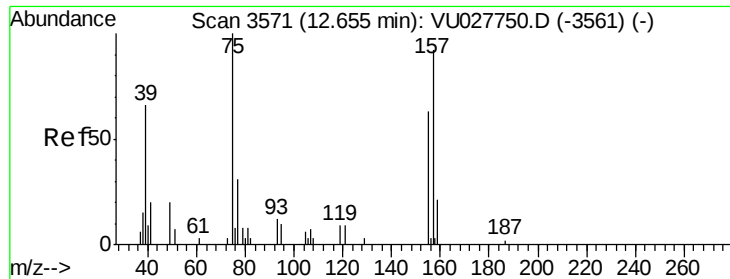
#85
1,2-Dichlorobenzene
Concen: 0.269 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027765.D
Acq: 23 Oct 2018 16:09

Tgt Ion: 146 Resp: 1812
Ion Ratio Lower Upper
146 100
111 43.3 21.2 63.6
148 58.9 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): VU027750.D (-3317) (-)
Ion 111.00 (110.70 to 111.70): VU027750.D (-3317) (-)
Ion 148.00 (147.70 to 148.70): VU027750.D (-3317) (-)





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.327 ug/l

RT: 12.48 min Scan# 3515

Delta R.T. -0.18 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

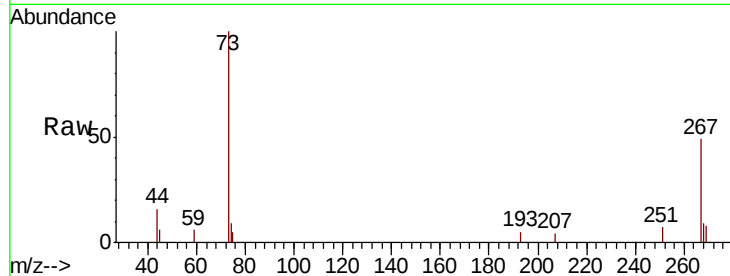
Tot Ion: 75 Resp: 191

Ion Ratio Lower Upper

75 100

155 0.0 55.5 83.3#

157 0.0 71.0 106.4#

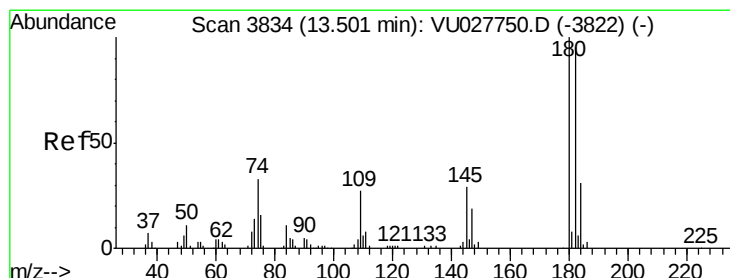
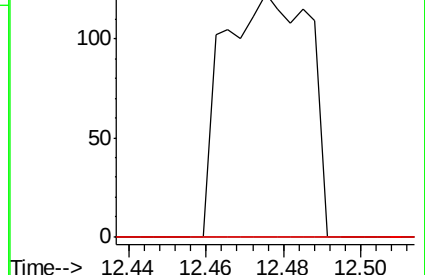
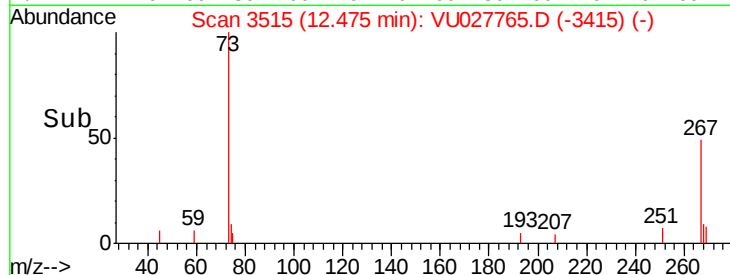


Abundance Ion 75.00 (74.70 to 75.70): VU027765.D (-3561) (-)

Ion 155.00 (154.70 to 155.70): VU027765.D (-3561) (-)

Ion 157.00 (156.70 to 157.70): VU027765.D (-3561) (-)

12.48



#87

1,2,4-Trichlorobenzene

Concen: 0.286 ug/l

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

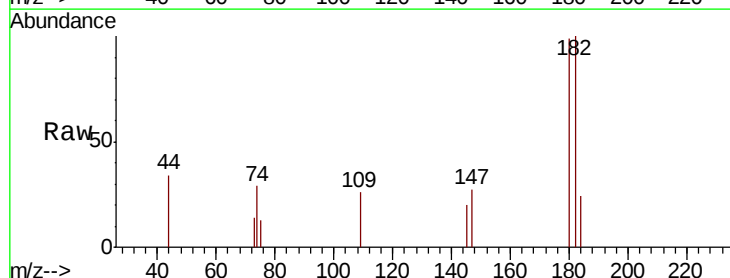
Tgt Ion: 180 Resp: 1398

Ion Ratio Lower Upper

180 100

182 101.6 75.9 113.9

145 21.9 23.6 35.4#

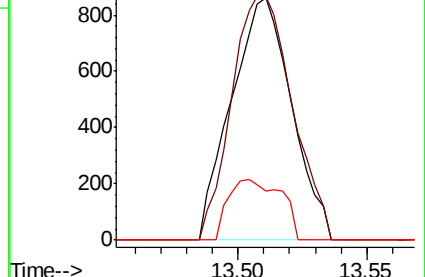
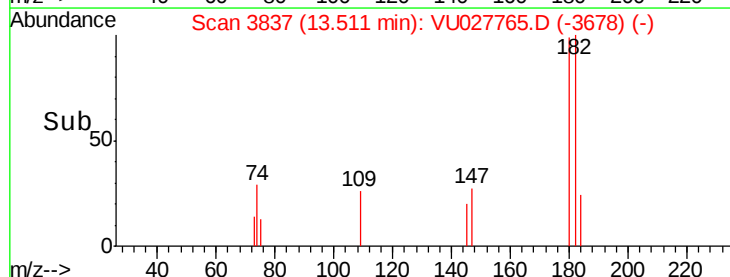


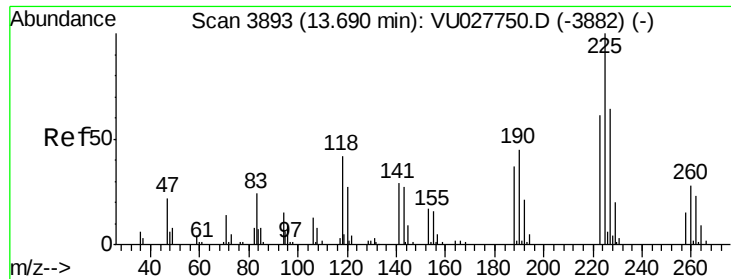
Abundance Ion 179.70 (179.40 to 180.40): VU027765.D (-3822) (-)

Ion 181.80 (181.50 to 182.50): VU027765.D (-3822) (-)

Ion 144.80 (144.50 to 145.50): VU027765.D (-3822) (-)

13.51





#88

Hexachlorobutadiene

Concen: 0.260 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

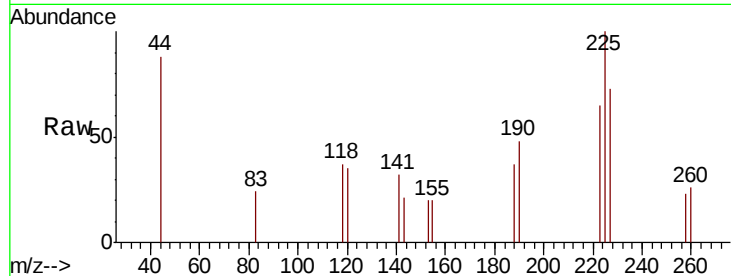
Tot Ion:225 Resp: 762

Ion Ratio Lower Upper

225 100

223 61.2 49.6 74.4

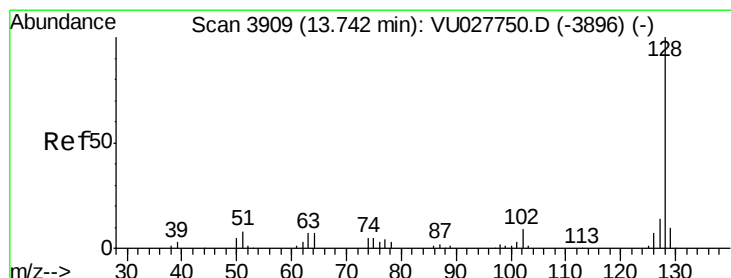
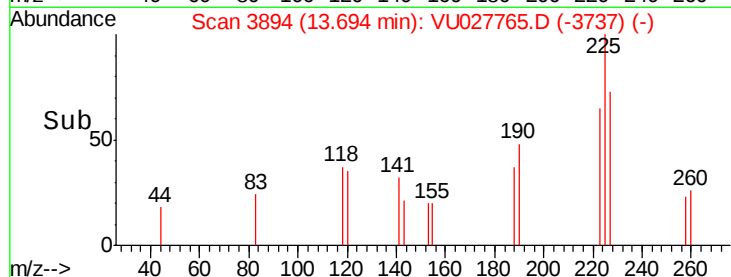
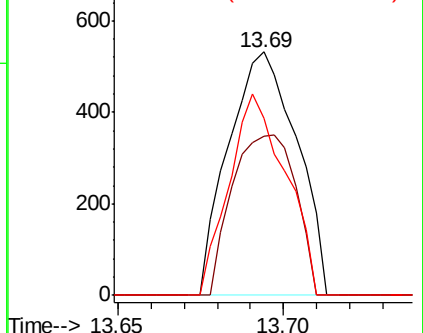
227 68.2 51.1 76.7



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: 0.239 ug/l

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

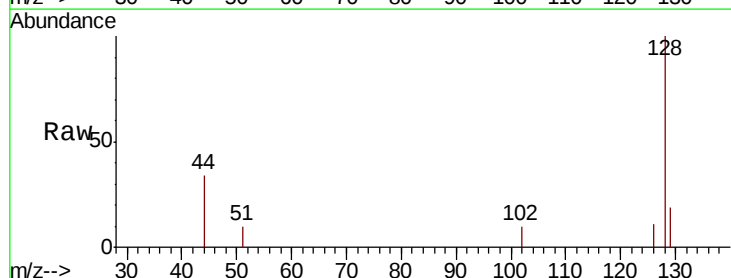
Tgt Ion:128 Resp: 2197

Ion Ratio Lower Upper

128 100

127 1.9 10.7 16.1#

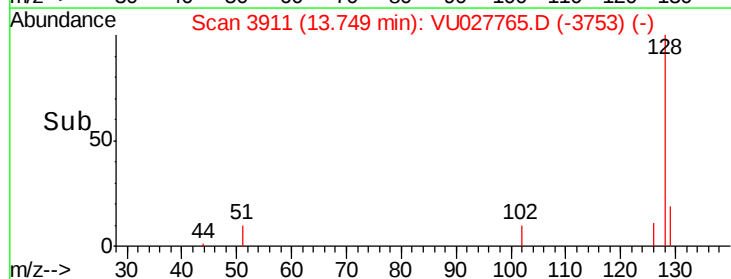
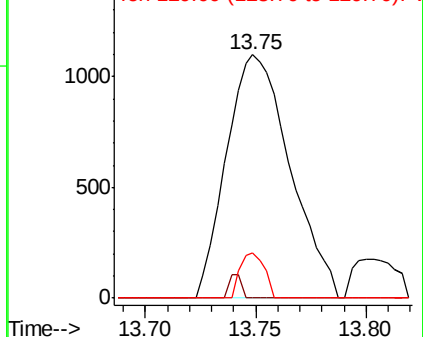
129 7.2 8.5 12.7#

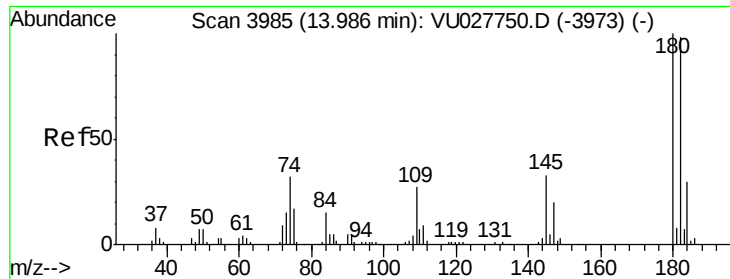


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#90

1,2,3-Trichlorobenzene

Concen: 0.269 ug/l

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU027765.D

Acq: 23 Oct 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

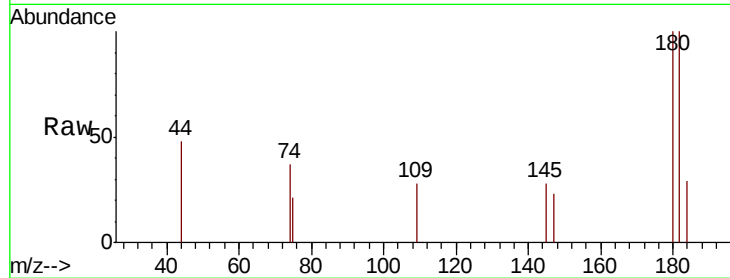
Tot Ion:180 Resp: 1254

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

145 24.5 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

