

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027762.D
 Acq On : 23 Oct 2018 14:01
 Operator : MD/SY
 Sample : VU1023WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	12554	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	5082	1.07	ug/l	0.00
Spiked Amount	1.000		Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4343	0.97	ug/l	0.00
Spiked Amount	1.000		Recovery	=	97.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	9890	1.984	ug/l 99
3) Chloromethane	1.33	50	10156	1.906	ug/l 92
4) Vinyl Chloride	1.40	62	9788	1.967	ug/l 97
5) Bromomethane	1.63	94	5579	2.132	ug/l 95
6) Chloroethane	1.70	64	5647	2.093	ug/l 91
7) Trichlorofluoromethane	1.89	101	12091	1.994	ug/l 93
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	6254	1.961	ug/l 99
9) 1,1-Dichloroethene	2.29	96	5654	2.019	ug/l 95
10) Iodomethane	2.41	142	6393	1.699	ug/l 97
11) Allyl Chloride	2.59	41	12015	1.813	ug/l 92
12) Acrylonitrile	2.95	53	2866	3.358	ug/l 96
13) Acetone	2.33	43	6595	8.468	ug/l 99
14) Carbon Disulfide	2.48	76	20199	1.938	ug/l 98
15) Methylene Chloride	2.70	84	6697	1.898	ug/l 97
16) trans-1,2-Dichloroethene	2.98	96	6460	2.072	ug/l 98
17) 1,1-Dichloroethane	3.44	63	13128	1.909	ug/l 98
18) 2-Butanone	4.29	43	11791	9.118	ug/l 99
19) Cyclohexane	4.99	56	12209	1.980	ug/l 100
20) Methylcyclohexane	6.41	83	12065	1.930	ug/l 98
21) 2,2-Dichloropropane	4.22	77	10806	1.779	ug/l 95
22) cis-1,2-Dichloroethene	4.23	96	7341	1.967	ug/l 99
23) Diethyl Ether	2.11	59	5312	1.995	ug/l 98
24) tert-Butyl Alcohol	2.85	59	5615	19.770	ug/l # 79
25) Methyl tert-Butyl Ether	3.01	73	17362	1.947	ug/l 93
26) Bromochloromethane	4.55	128	2923	1.953	ug/l 99
27) Chloroform	4.67	83	13194	1.970	ug/l 98
28) 1,1,1-Trichloroethane	4.91	97	11642	1.953	ug/l 98
29) 1,1-Dichloropropene	5.13	75	11133	2.138	ug/l 99
30) Carbon Tetrachloride	5.13	117	10492	1.970	ug/l 97
31) Isopropyl Ether	3.58	45	24630	1.988	ug/l 97
32) Ethyl-t-butyl ether	4.08	59	21063	1.916	ug/l 98
33) Tert-Amyl methyl ether	5.58	73	17886	1.917	ug/l 99
34) Propionitrile	4.34	54	2805	9.098	ug/l # 96
35) Benzene	5.39	78	29413	2.021	ug/l 100
36) 1,2-Dichloroethane	5.41	62	9634	1.990	ug/l 99
37) Trichloroethene	6.19	130	7237	2.016	ug/l 90
38) 1,2-Dichloropropane	6.44	63	8112	1.985	ug/l 99
39) Methacrylonitrile	4.56	41	3341	1.962	ug/l 92
40) Methyl acrylate	4.44	55	4224	1.904	ug/l # 94
41) Tetrahydrofuran	4.66	42	3304	3.512	ug/l 98
42) 1-Chlorobutane	5.06	56	16319	1.987	ug/l 98

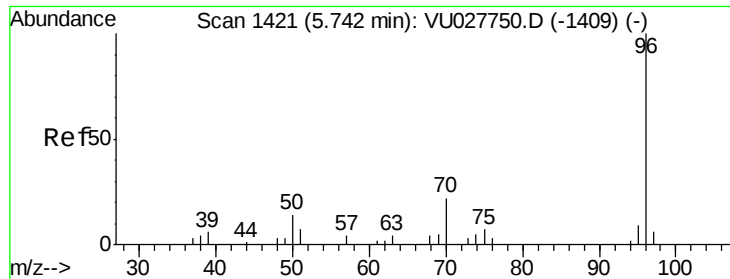
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027762.D
 Acq On : 23 Oct 2018 14:01
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	3372	1.815	ug/l	95
44) Bromodichloromethane	6.76	83	9965	1.976	ug/l	96
45) 4-Methyl-2-Pentanone	7.47	43	28644	9.500	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	4509	4.148	ug/l #	87
47) Methyl methacrylate	6.63	69	6901	3.523	ug/l	85
48) Ethyl methacrylate	8.03	69	7405	1.819	ug/l	93
49) Toluene	7.64	92	17176	1.990	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	9648	1.920	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	12084	2.041	ug/l	100
52) 1,1,2-Trichloroethane	8.07	97	4698	1.872	ug/l	92
53) 1,3-Dichloropropane	8.25	76	9919	2.058	ug/l	99
54) 2-Hexanone	8.37	43	20158	9.381	ug/l	99
55) Dibromochloromethane	8.48	129	6027	1.911	ug/l	96
56) 1,2-Dibromoethane	8.59	107	4514	1.833	ug/l	96
58) Tetrachloroethene	8.23	164	6468	1.910	ug/l	97
59) Chlorobenzene	9.12	112	18257	1.973	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	6719	1.998	ug/l	97
61) Pentachloroethane	11.10	117	4926	1.963	ug/l	100
62) Hexachloroethane	12.15	117	5561	2.018	ug/l	97
63) Ethyl Benzene	9.25	91	34694	1.980	ug/l	99
64) m/p-Xylenes	9.38	106	24893	3.981	ug/l	100
65) o-Xylene	9.78	106	11932	1.924	ug/l	95
66) Styrene	9.79	104	20486	2.002	ug/l	99
67) Bromoform	9.96	173	3509	1.922	ug/l #	94
69) Isopropylbenzene	10.17	105	34094	2.009	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	5882	1.764	ug/l	96
71) 1,2,3-Trichloropropane	10.50	75	4509	1.740	ug/l #	95
72) Bromobenzene	10.45	156	7632	2.018	ug/l	99
73) n-propylbenzene	10.59	120	8922	2.038	ug/l	98
74) 2-Chlorotoluene	10.66	126	7430	1.982	ug/l	92
75) 1,3,5-Trimethylbenzene	10.77	105	28010	1.978	ug/l	99
76) 4-Chlorotoluene	10.77	126	7414	1.952	ug/l	95
77) tert-Butylbenzene	11.10	119	27655	1.985	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	29169	2.004	ug/l	100
79) sec-Butylbenzene	11.32	105	36827	1.996	ug/l	100
80) Nitrobenzene	12.87	77	969	7.861	ug/l #	81
81) p-Isopropyltoluene	11.48	119	29750	1.973	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	14987	2.003	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	14619	1.950	ug/l	98
84) n-Butylbenzene	11.89	91	29255	1.997	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	14174	1.985	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1050	1.695	ug/l #	86
87) 1,2,4-Trichlorobenzene	13.50	180	10734	2.069	ug/l	97
88) Hexachlorobutadiene	13.69	225	5886	1.891	ug/l	96
89) Naphthalene	13.75	128	18578	1.907	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	9739	1.972	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1422

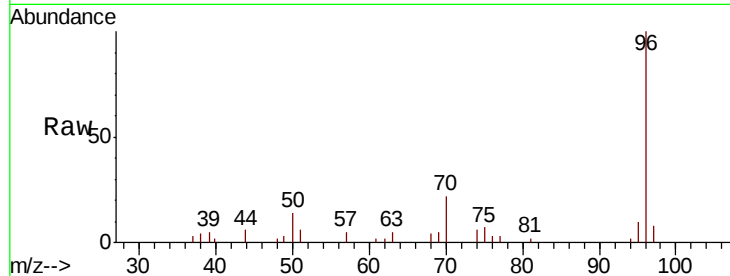
Delta R.T. 0.00 min

Lab File: VU027762.D

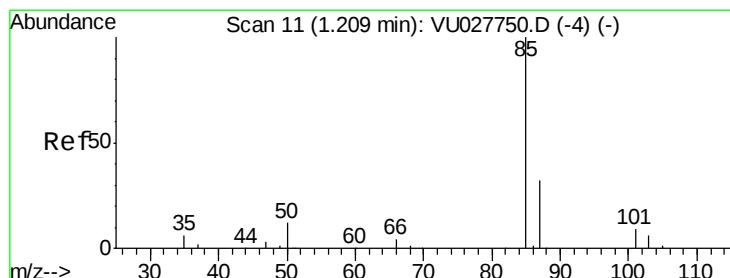
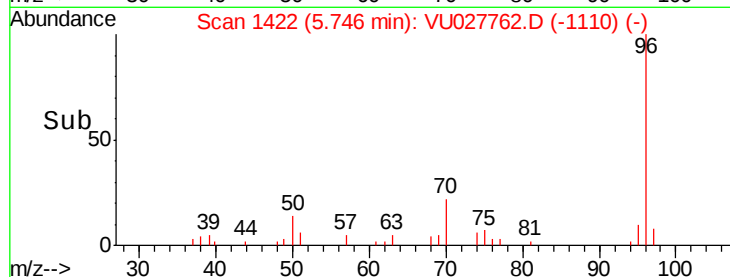
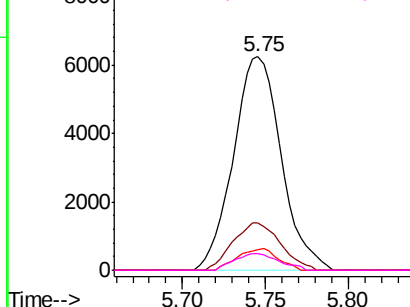
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	12554
Ion	Ratio	Lower	Upper
96	100		
70	22.1	17.7	26.5
95	8.5	7.0	10.6
97	7.2	0.0	0.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 70.00 (69.70 to 70.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 1.984 ug/l

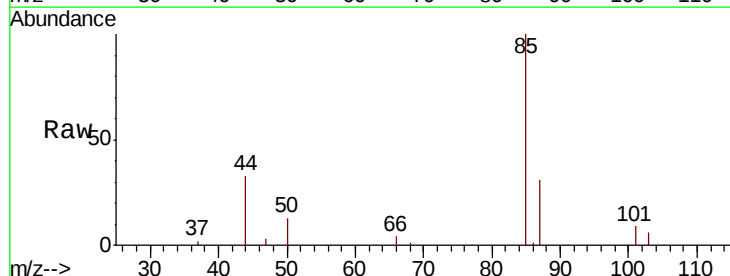
RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

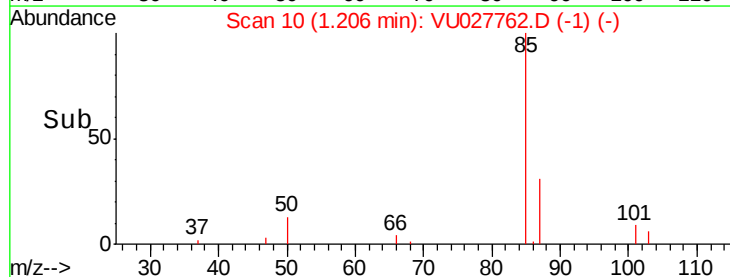
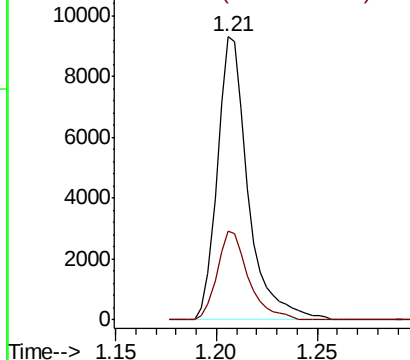
Lab File: VU027762.D

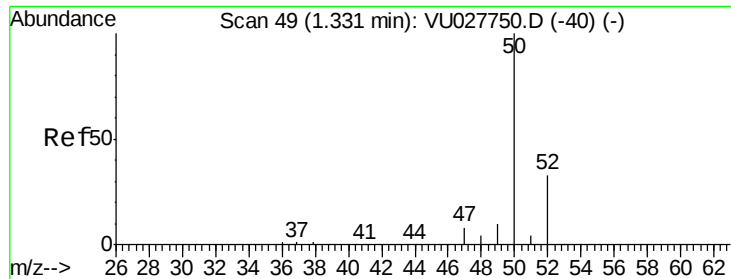
Acq: 23 Oct 2018 14:01

Tgt Ion:	85	Resp:	9890
Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.9	47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

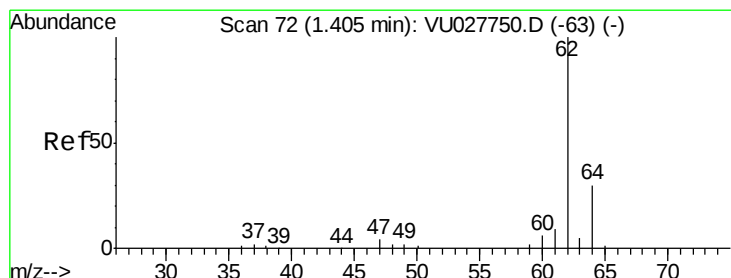
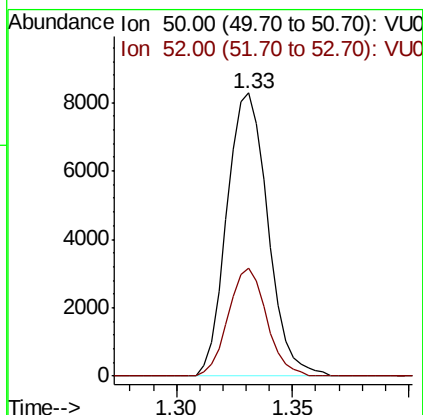
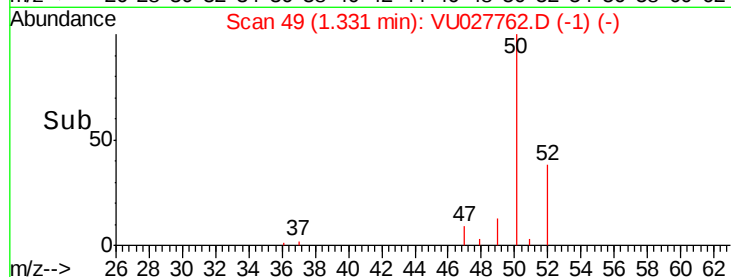
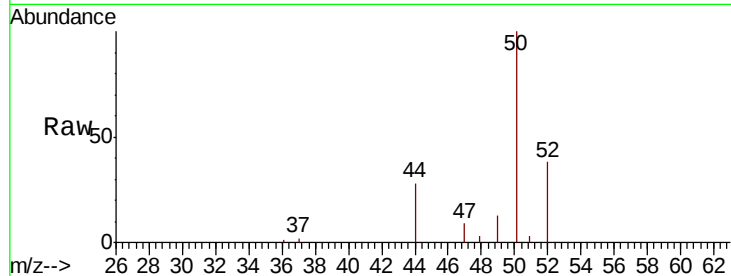




#3
 Chloromethane
 Concen: 1.906 ug/l
 RT: 1.33 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

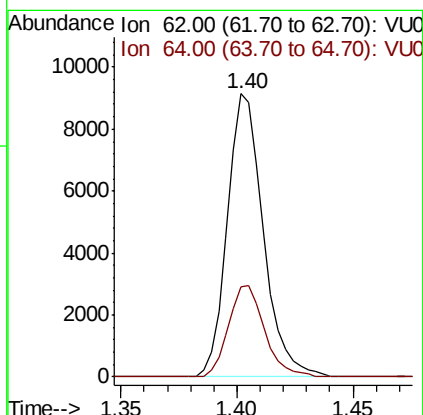
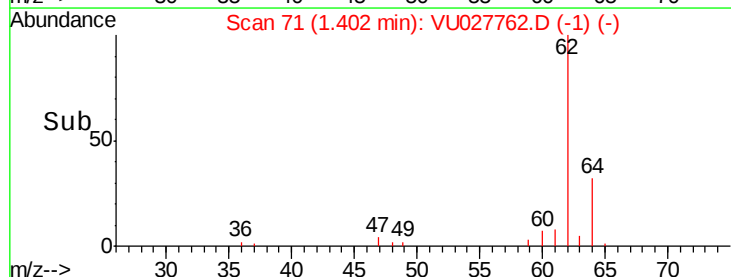
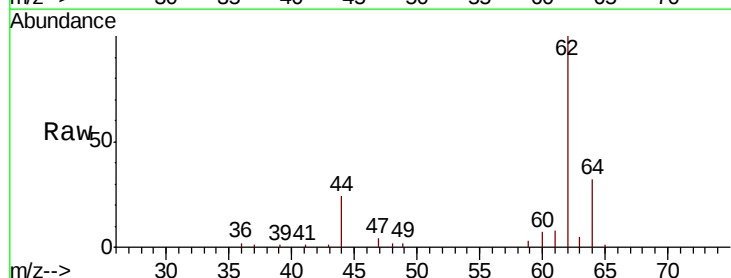
Instrument :
 MSVOA_U
 ClientSampleId :

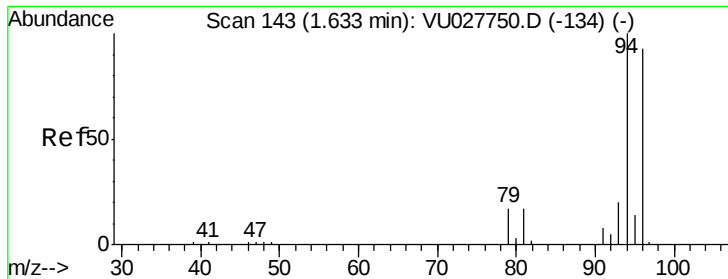
Tot Ion: 50 Resp: 10156
 Ion Ratio Lower Upper
 50 100
 52 38.0 26.6 40.0



#4
 Vinyl Chloride
 Concen: 1.967 ug/l
 RT: 1.40 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion: 62 Resp: 9788
 Ion Ratio Lower Upper
 62 100
 64 32.0 24.3 36.5





#5

Bromomethane

Concen: 2.132 ug/l

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

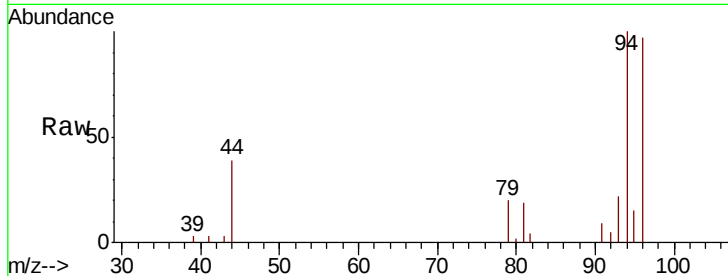
ClientSampleId :

Tot Ion: 94 Resp: 5579

Ion Ratio Lower Upper

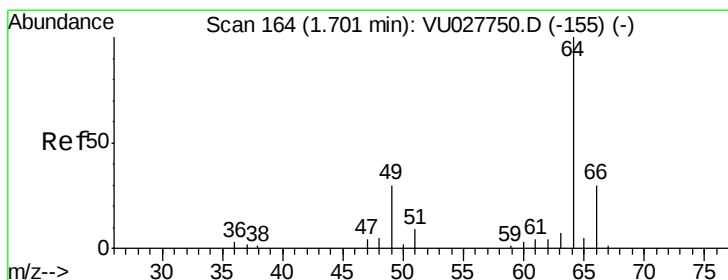
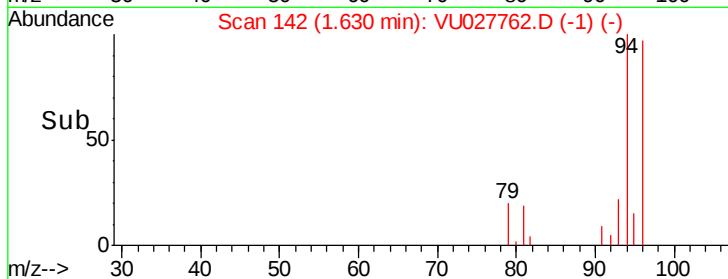
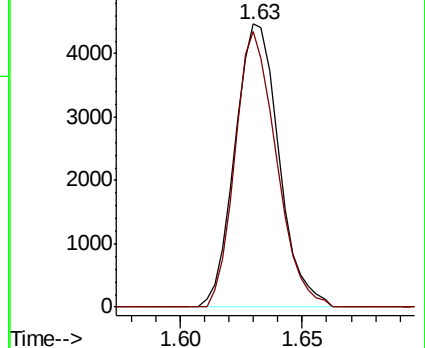
94 100

96 97.2 74.2 111.4



Abundance Ion 94.00 (93.70 to 94.70): VU027762.D (-1) (-)

Ion 96.00 (95.70 to 96.70): VU027762.D (-1) (-)



#6

Chloroethane

Concen: 2.093 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027762.D

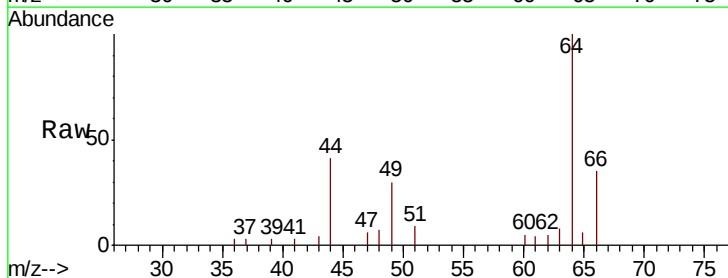
Acq: 23 Oct 2018 14:01

Tgt Ion: 64 Resp: 5647

Ion Ratio Lower Upper

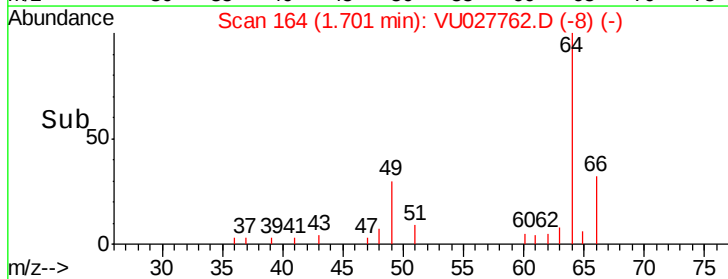
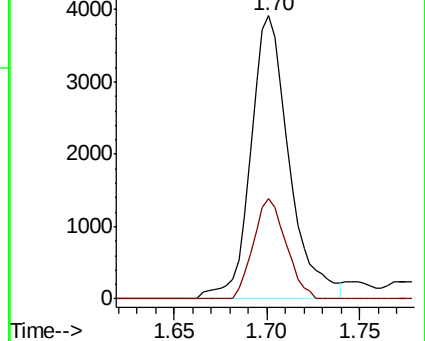
64 100

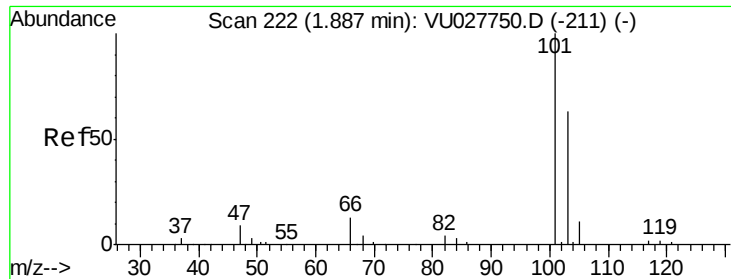
66 35.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU027762.D (-8) (-)

Ion 66.00 (65.70 to 66.70): VU027762.D (-8) (-)



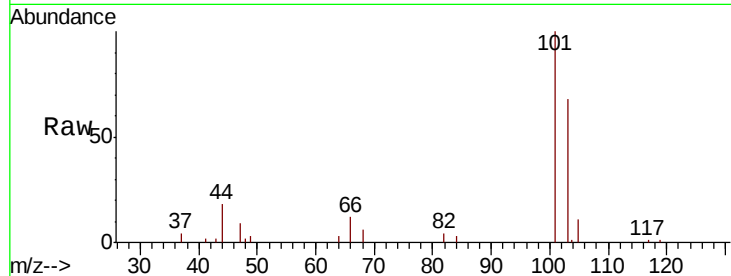


#7

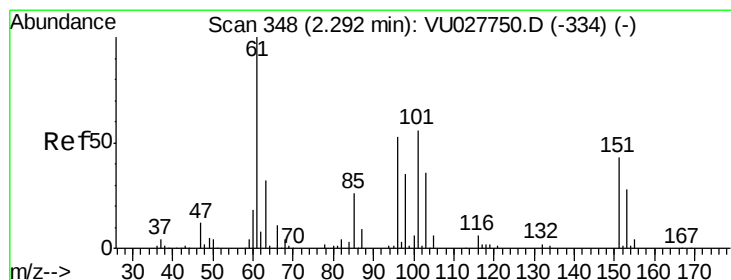
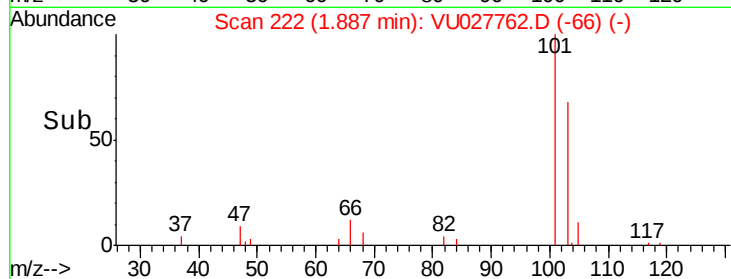
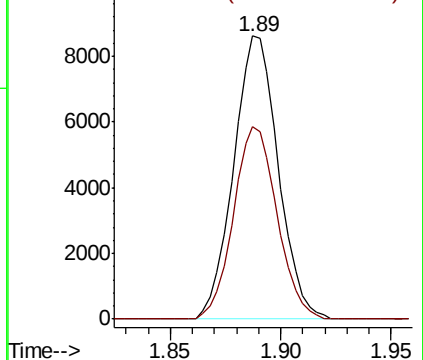
Trichlorofluoromethane
 Concen: 1.994 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:101 Resp: 12091
 Ion Ratio Lower Upper
 101 100
 103 68.1 50.2 75.2



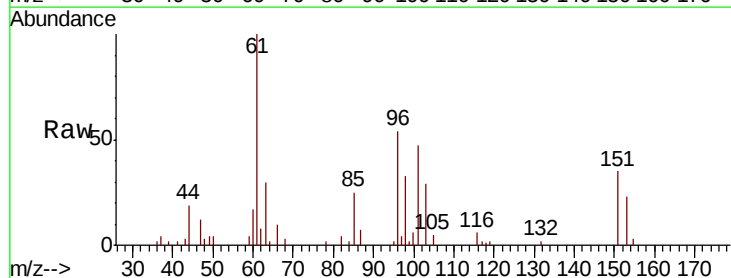
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



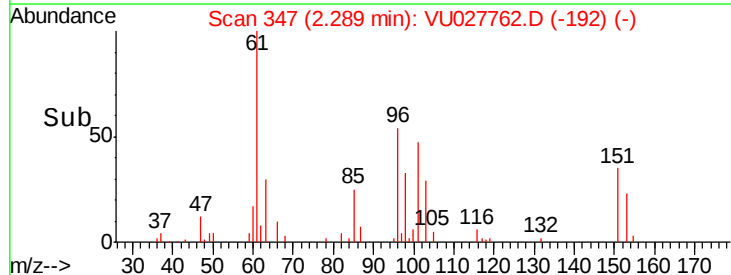
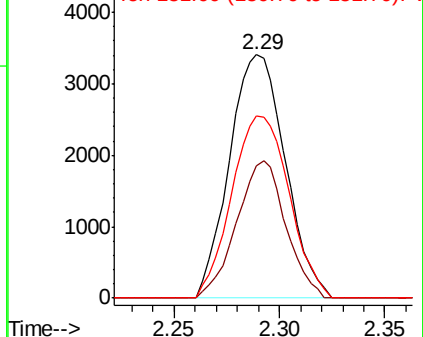
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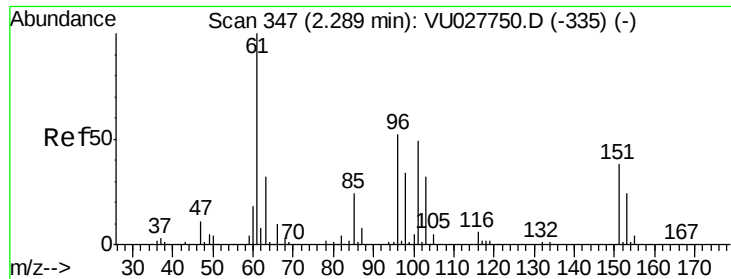
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.961 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion:101 Resp: 6254
 Ion Ratio Lower Upper
 101 100
 85 49.8 38.2 57.2
 151 77.0 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VU
 Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.019 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :

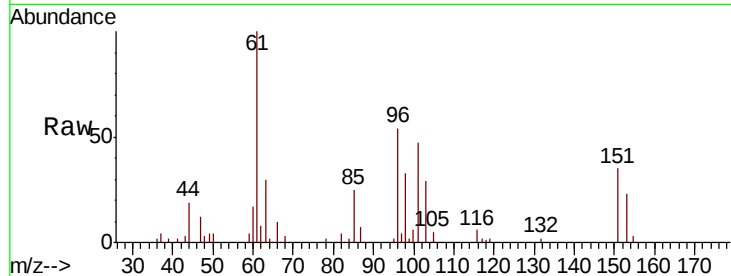
Tot Ion: 96 Resp: 5654

Ion Ratio Lower Upper

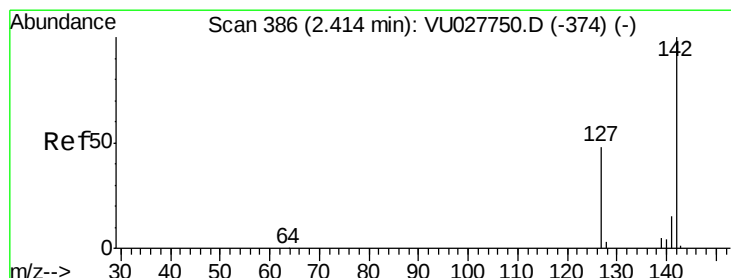
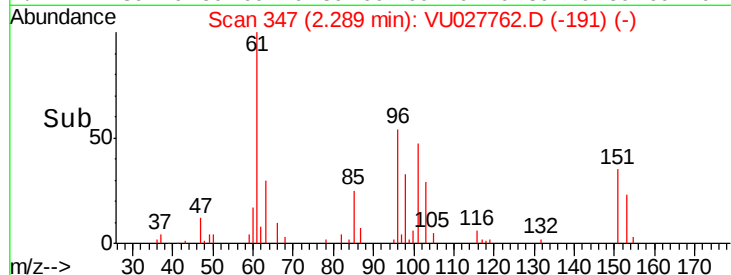
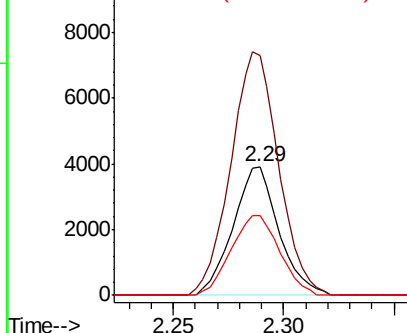
96 100

61 186.5 0.0 581.4

98 61.7 0.0 131.2



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



#10

Iodomethane

Concen: 1.699 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU027762.D

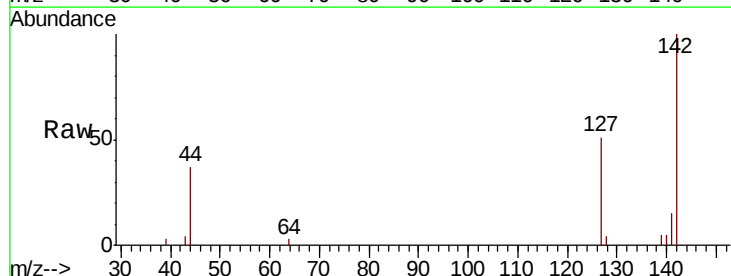
Acq: 23 Oct 2018 14:01

Tgt Ion:142 Resp: 6393

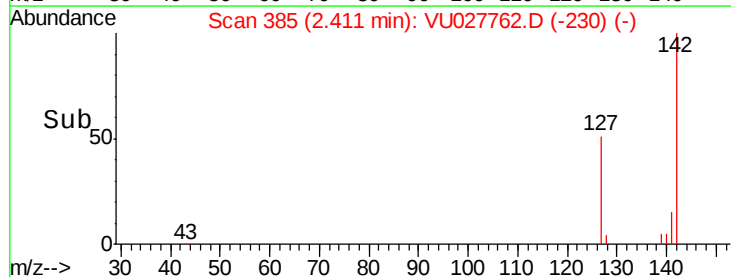
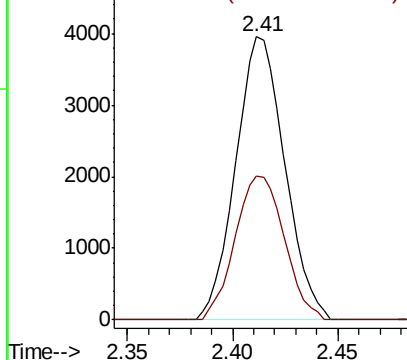
Ion Ratio Lower Upper

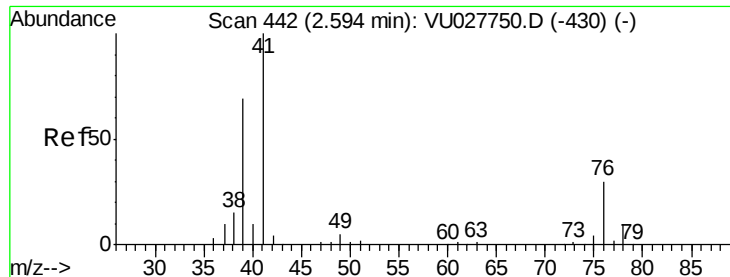
142 100

127 50.8 39.2 58.8



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

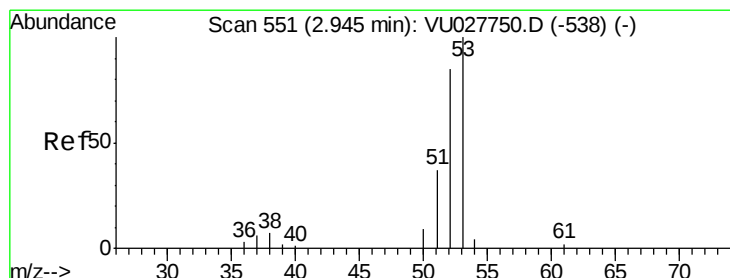
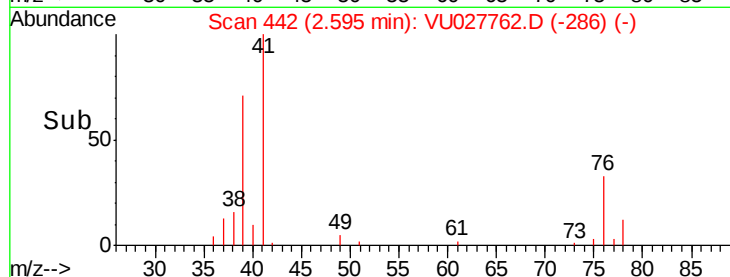
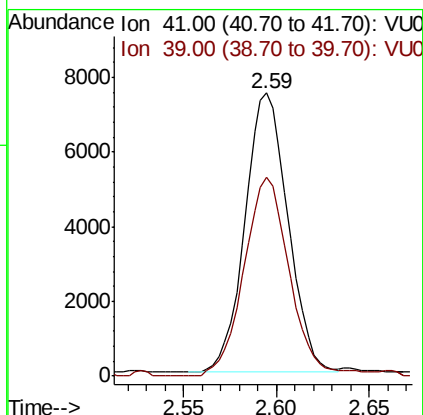
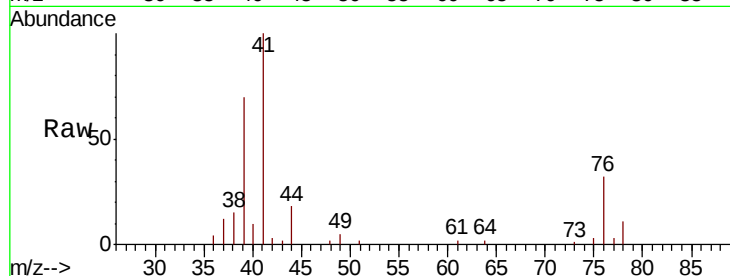




#11
Allvl Chloride
Concen: 1.813 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

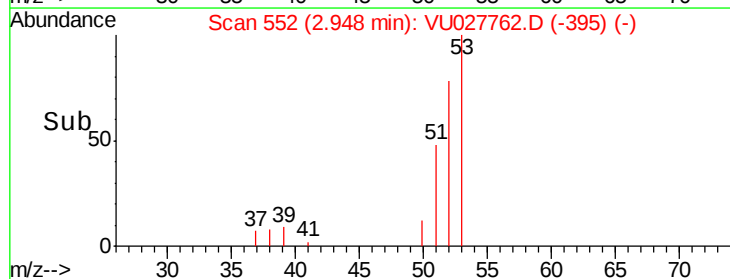
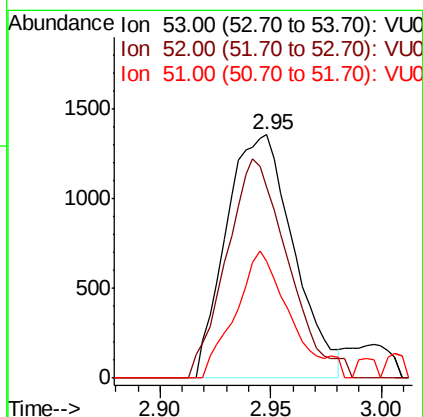
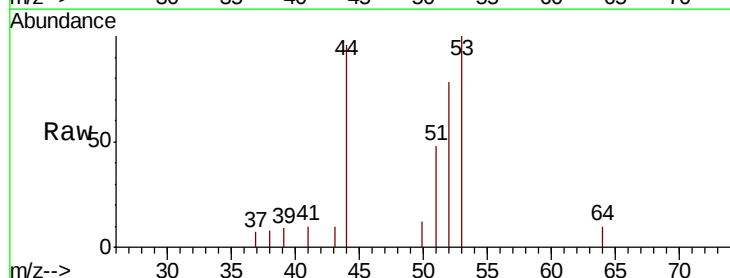
Instrument :
MSVOA_U
ClientSampled :

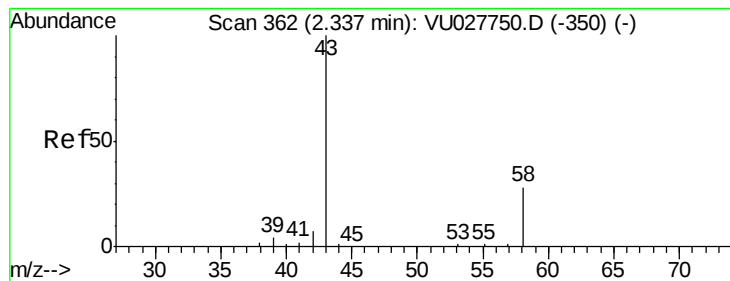
Tot Ion: 41 Resp: 12015
Ion Ratio Lower Upper
41 100
39 75.8 55.4 83.0



#12
Acrylonitrile
Concen: 3.358 ug/l
RT: 2.95 min Scan# 552
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 53 Resp: 2866
Ion Ratio Lower Upper
53 100
52 82.2 67.9 101.9
51 42.2 30.0 45.0





#13

Acetone

Concen: 8.468 ug/l

RT: 2.33 min Scan# 360

Delta R.T. -0.01 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

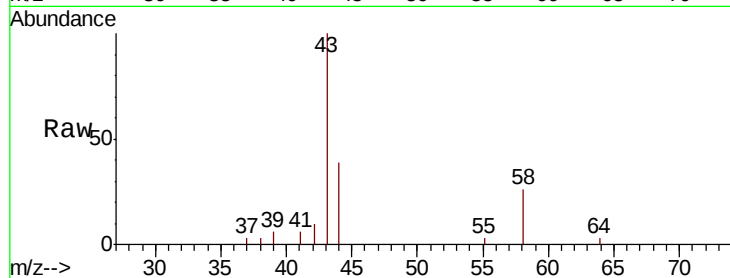
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 6595

Ion Ratio Lower Upper

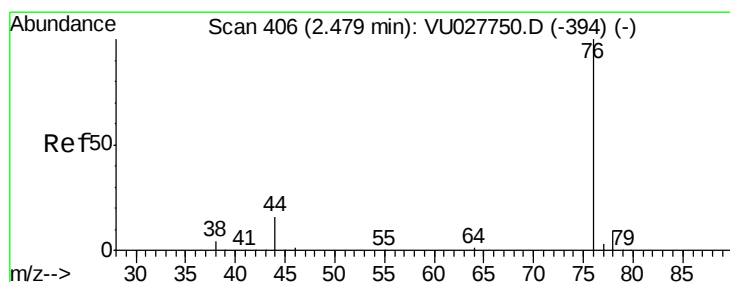
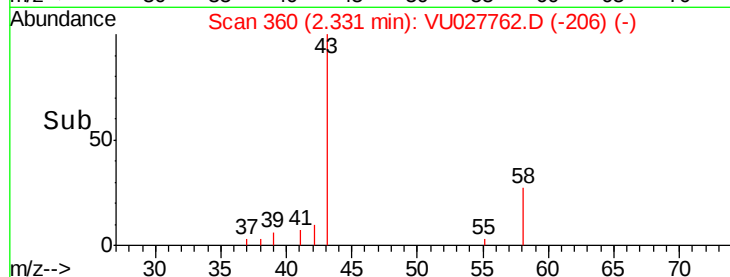
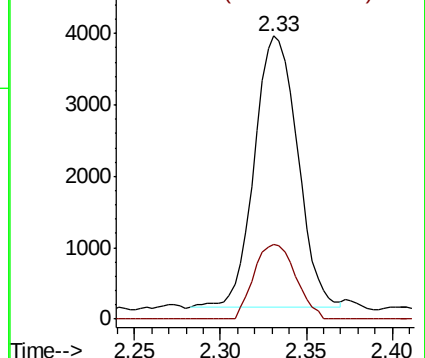
43 100

58 27.5 22.3 33.5



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

Ion 58.00 (57.70 to 58.70): VU027750.D (-350) (-)



#14

Carbon Disulfide

Concen: 1.938 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027762.D

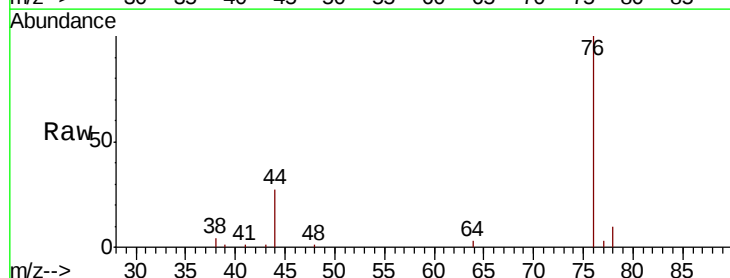
Acq: 23 Oct 2018 14:01

Tgt Ion: 76 Resp: 20199

Ion Ratio Lower Upper

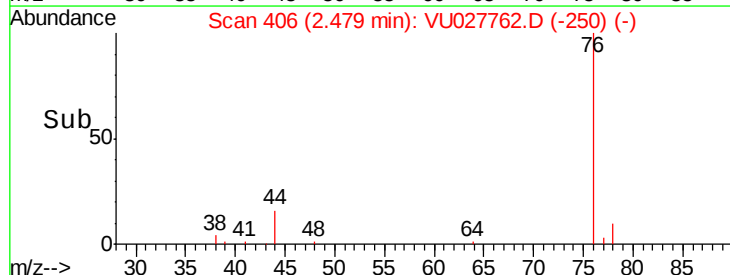
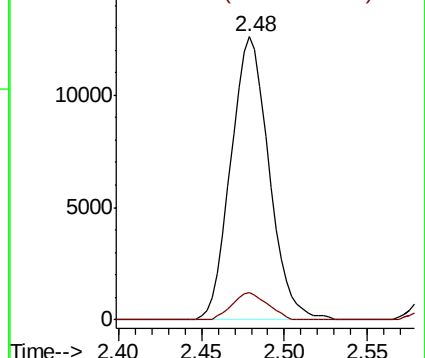
76 100

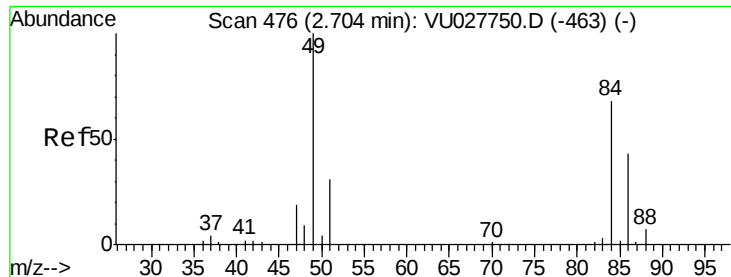
78 9.5 7.1 10.7



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

Ion 78.00 (77.70 to 78.70): VU027750.D (-394) (-)

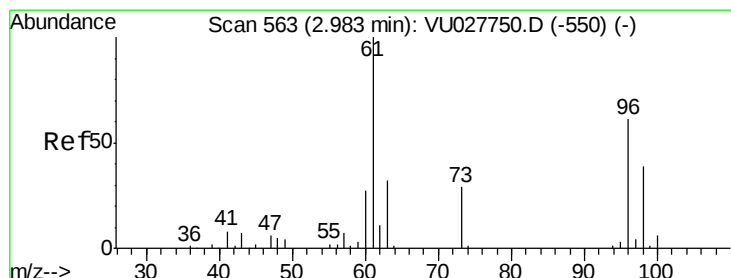
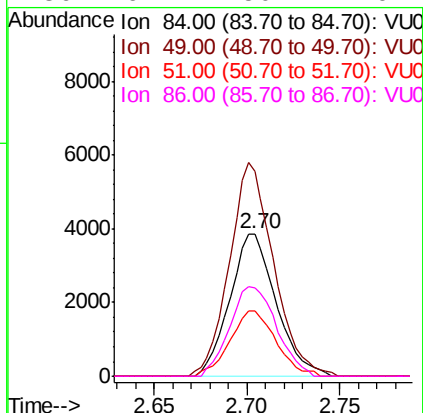
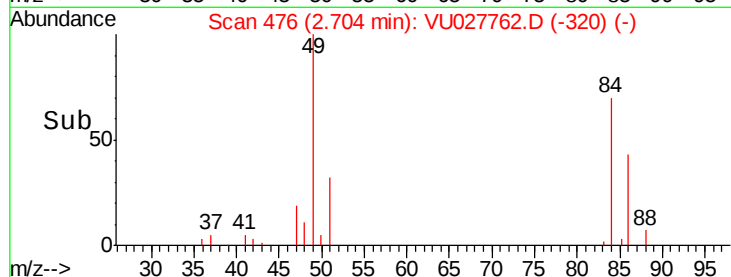
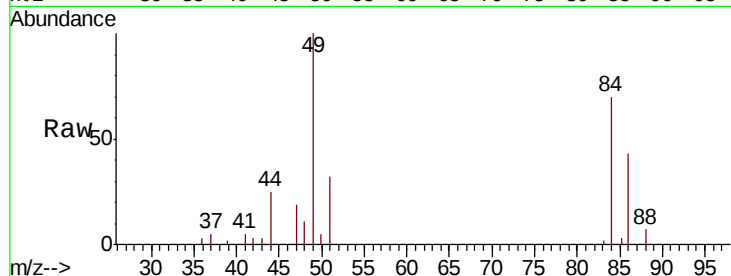




#15
Methvlene Chloride
Concen: 1.898 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

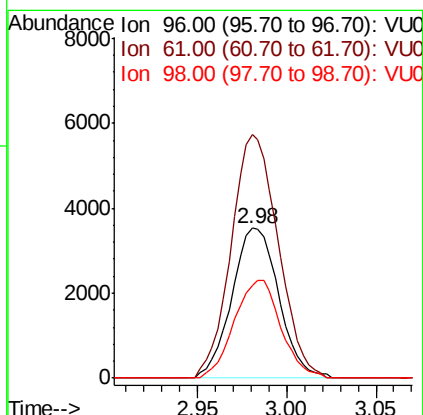
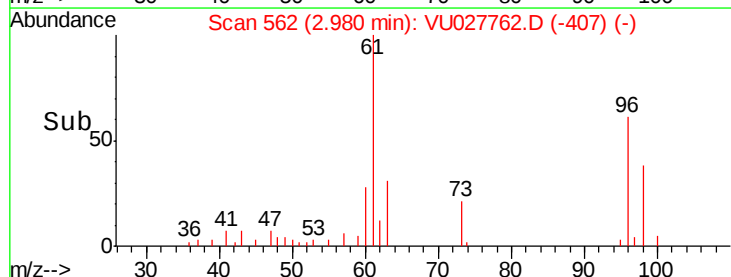
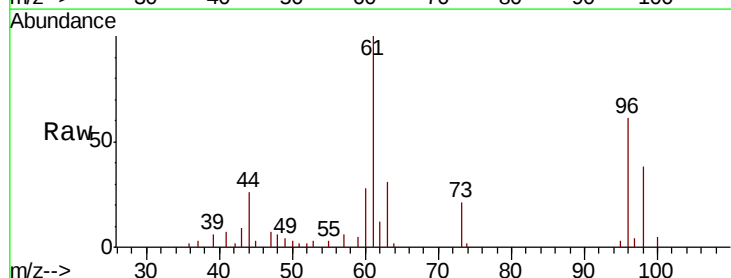
Instrument :
MSVOA_U
ClientSampled :

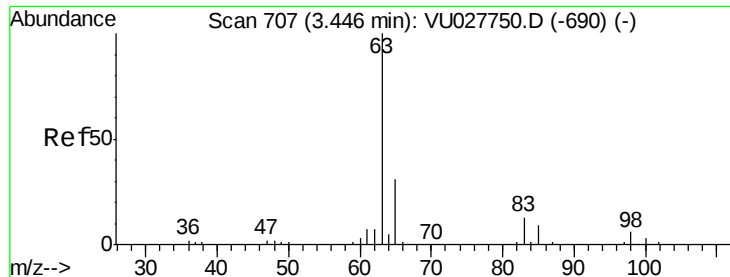
Tot Ion: 84 Resp: 6697
Ion Ratio Lower Upper
84 100
49 143.5 118.5 177.7
51 46.0 0.0 91.0
86 61.7 50.7 76.1



#16
trans-1,2-Dichloroethene
Concen: 2.072 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 96 Resp: 6460
Ion Ratio Lower Upper
96 100
61 162.6 131.8 197.6
98 61.6 51.2 76.8





#17

1,1-Dichloroethane

Concen: 1.909 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

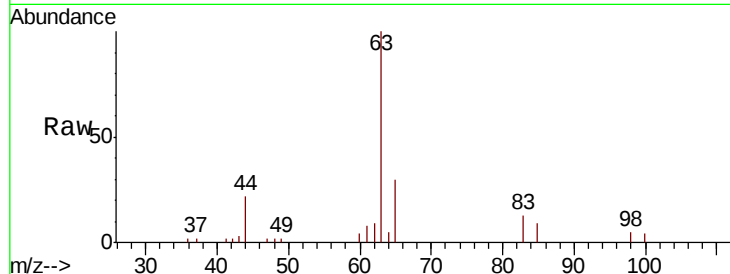
Tot Ion: 63 Resp: 13128

Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.4

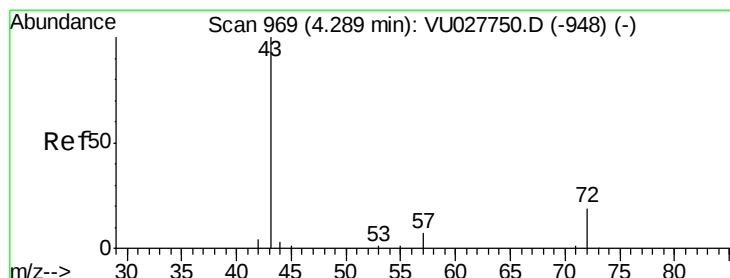
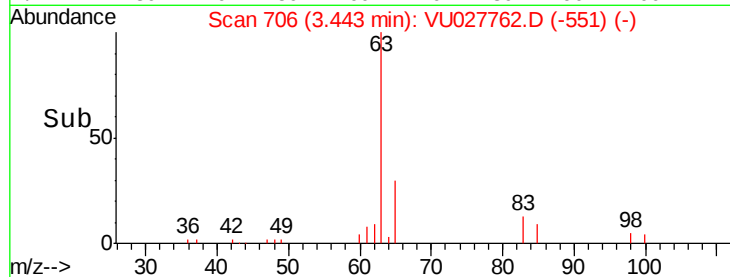
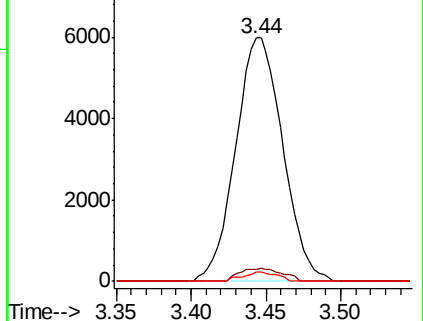
100 3.7 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VU027750.D (-690) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-690) (-)

Ion 100.00 (99.70 to 100.70): VU027750.D (-690) (-)



#18

2-Butanone

Concen: 9.118 ug/l

RT: 4.29 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU027762.D

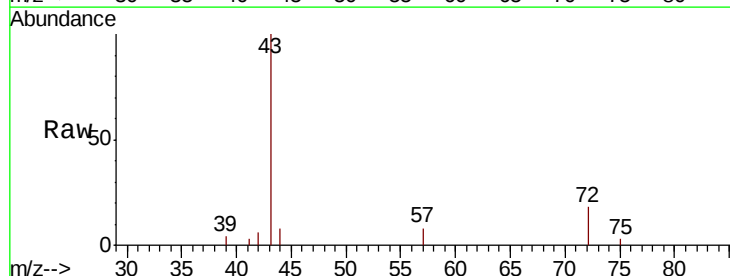
Acq: 23 Oct 2018 14:01

Tgt Ion: 43 Resp: 11791

Ion Ratio Lower Upper

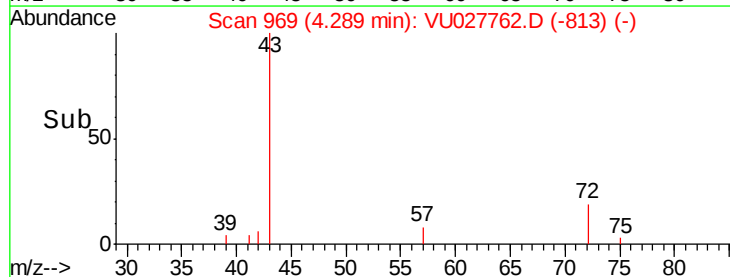
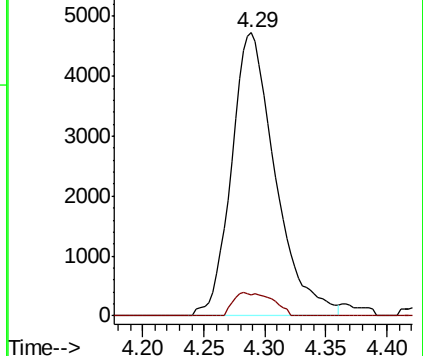
43 100

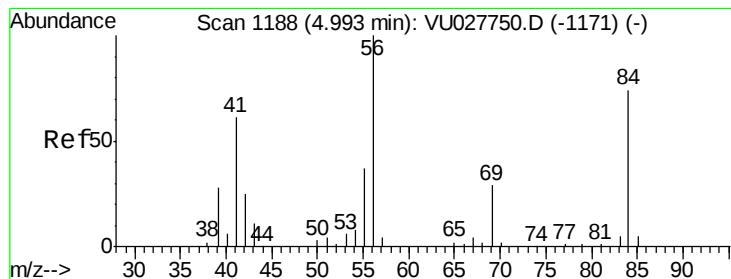
57 7.6 0.0 14.4



Abundance Ion 43.00 (42.70 to 43.70): VU027750.D (-948) (-)

Ion 57.00 (56.70 to 57.70): VU027750.D (-948) (-)





#19

Cyclohexane

Concen: 1.980 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

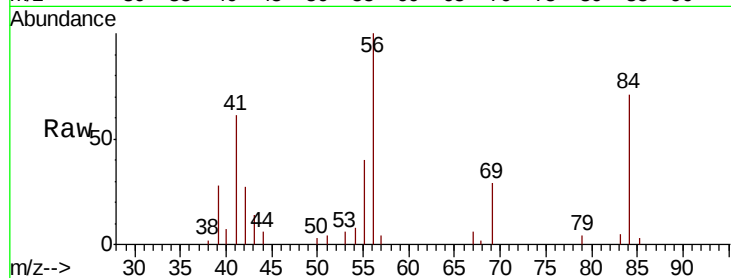
Tot Ion: 56 Resp: 12209

Ion Ratio Lower Upper

56 100

69 32.0 25.9 38.9

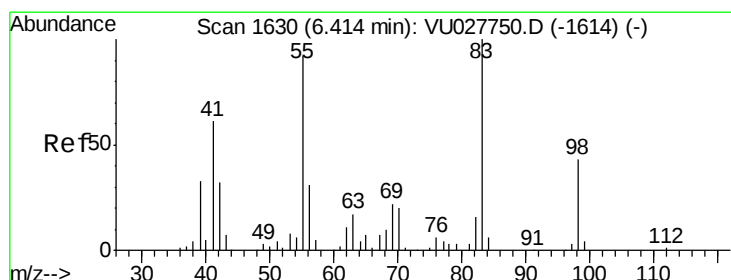
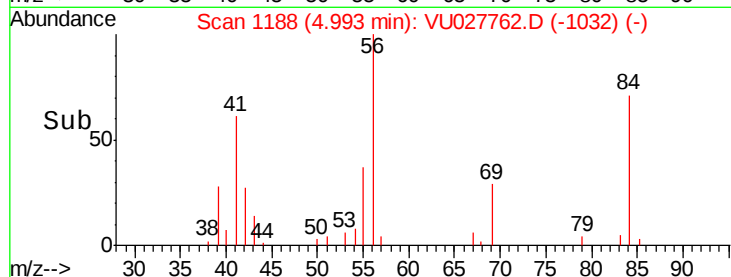
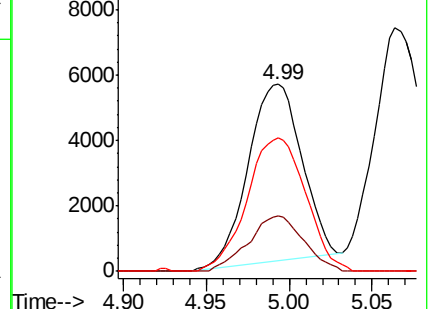
84 82.4 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 1.930 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

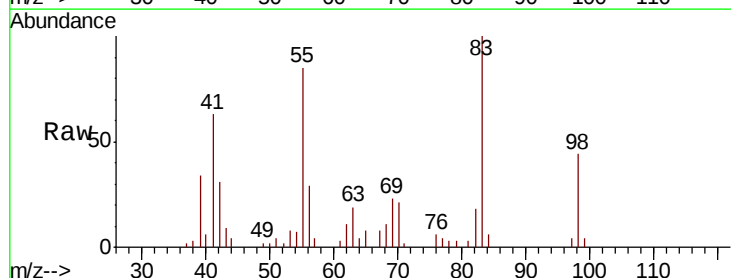
Tgt Ion: 83 Resp: 12065

Ion Ratio Lower Upper

83 100

55 89.1 72.6 108.8

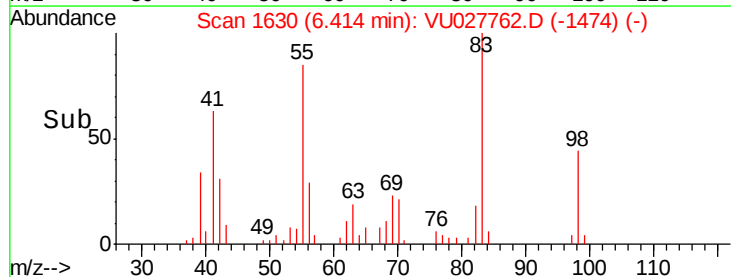
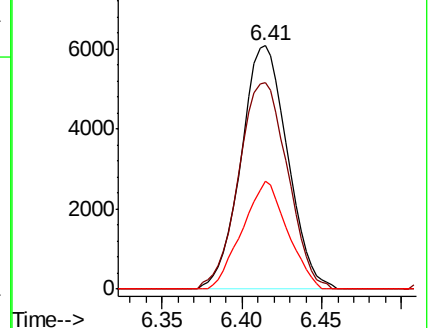
98 42.8 35.0 52.4

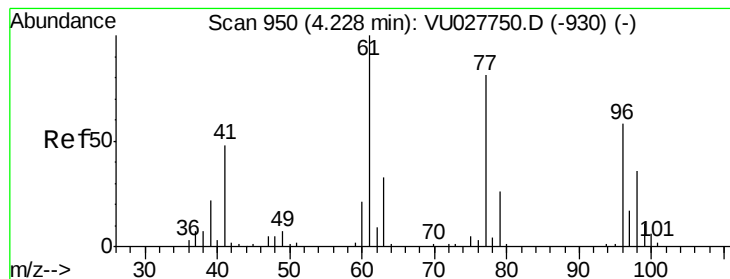


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 1.779 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

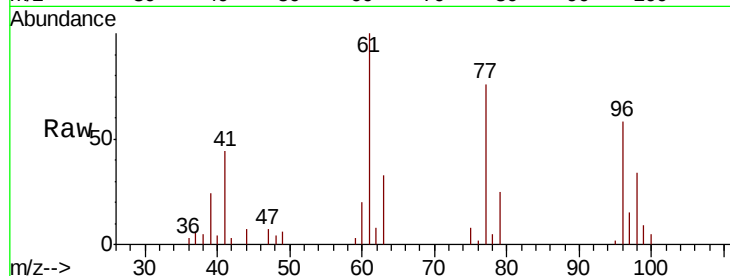
ClientSampled :

Tot Ion: 77 Resp: 10806

Ion Ratio Lower Upper

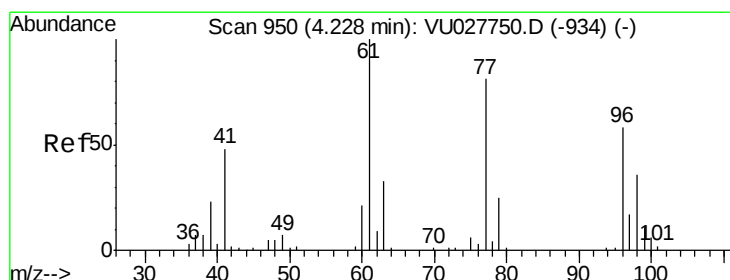
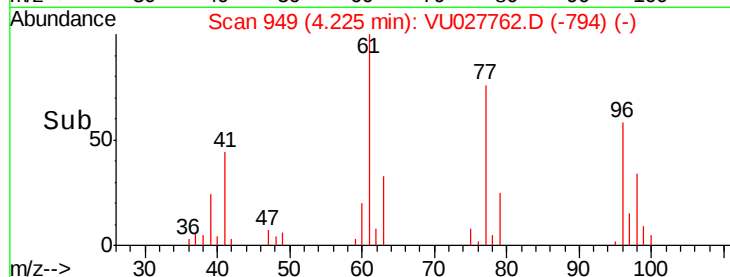
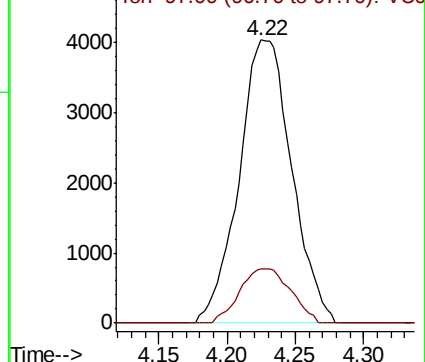
77 100

97 18.7 16.9 25.3



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.967 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

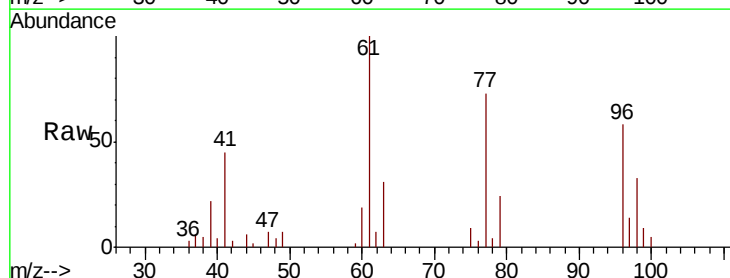
Tgt Ion: 96 Resp: 7341

Ion Ratio Lower Upper

96 100

61 176.7 0.0 444.0

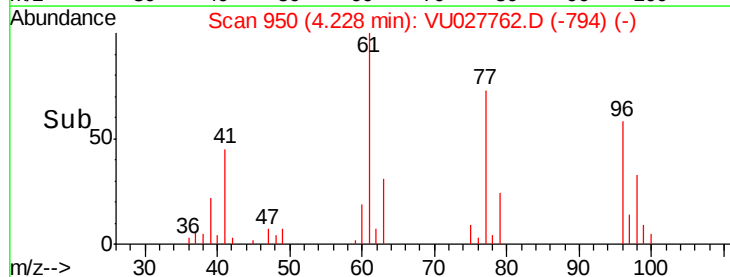
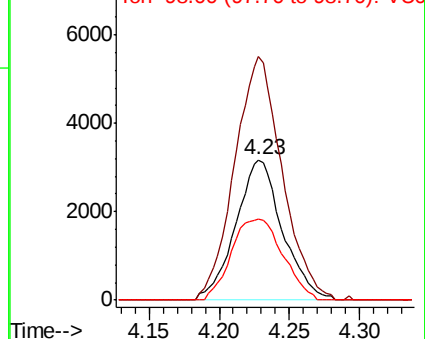
98 63.4 31.9 95.5

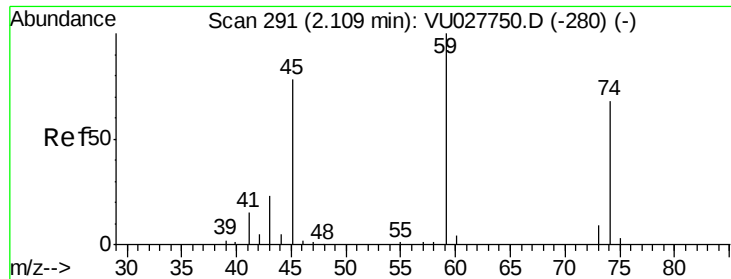


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

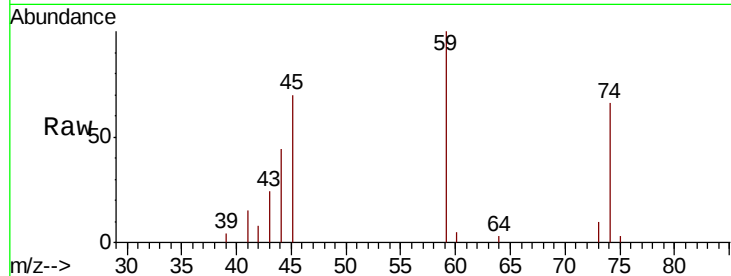




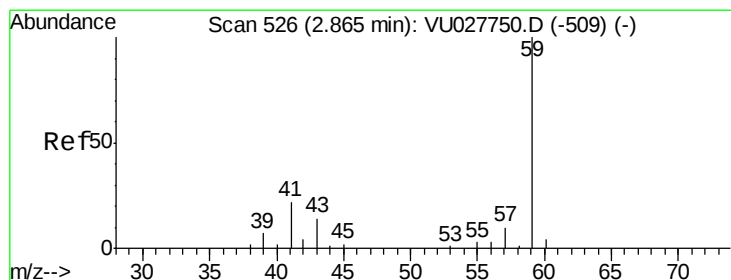
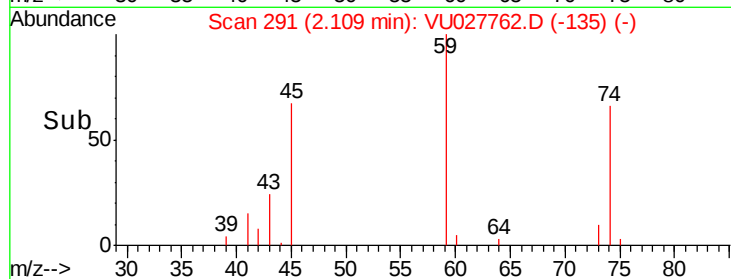
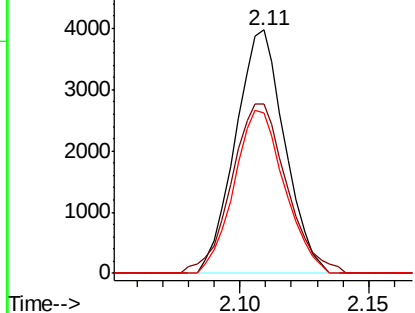
#23
Diethyl Ether
Concen: 1.995 ug/l
RT: 2.11 min Scan# 291
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 59 Resp: 5312
Ion Ratio Lower Upper
59 100
45 77.6 64.6 96.8
74 68.3 54.8 82.2

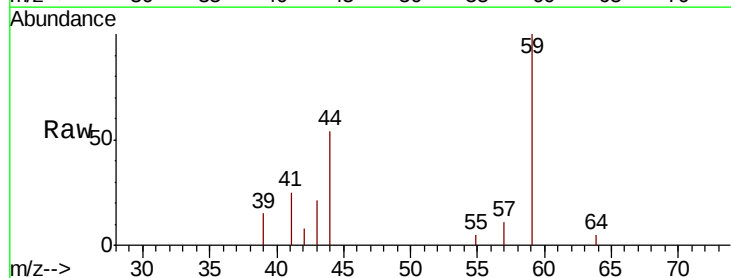


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

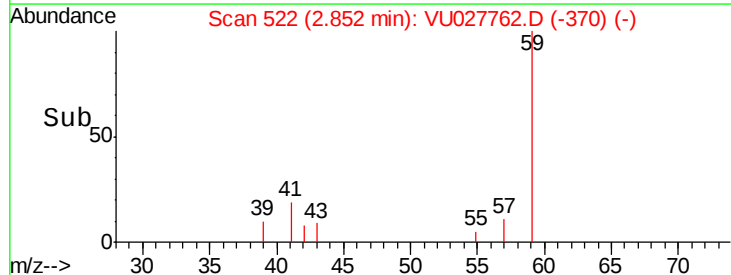
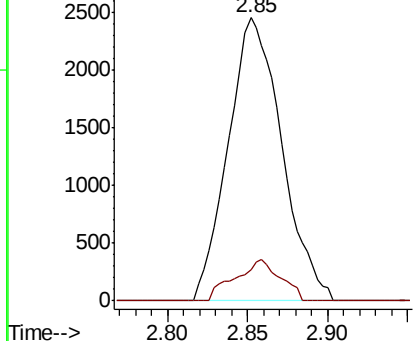


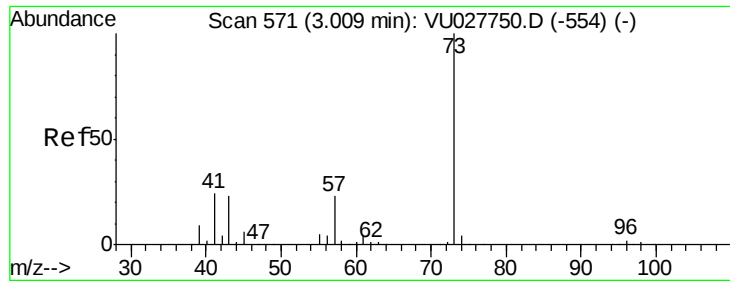
#24
tert-Butyl Alcohol
Concen: 19.770 ug/l
RT: 2.85 min Scan# 522
Delta R.T. -0.01 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 59 Resp: 5615
Ion Ratio Lower Upper
59 100
57 12.4 4.4 6.6#



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



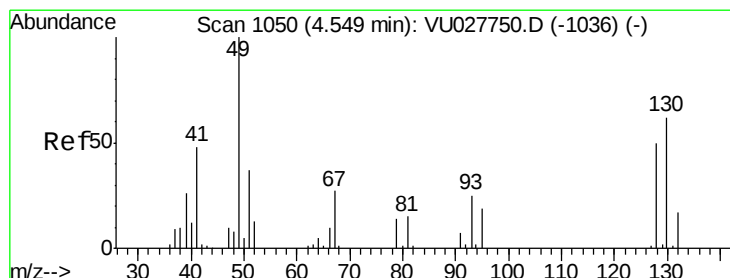
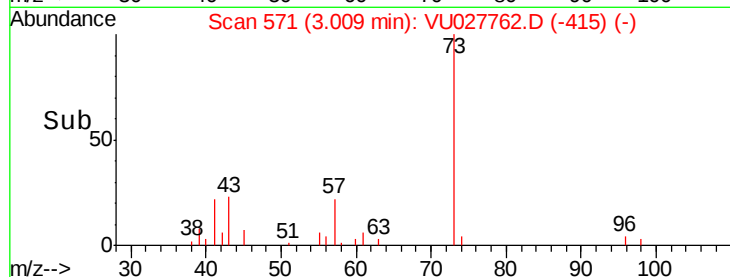
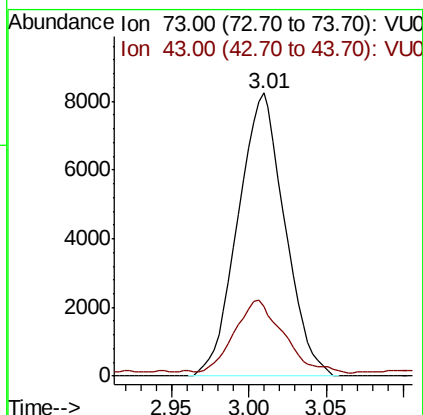
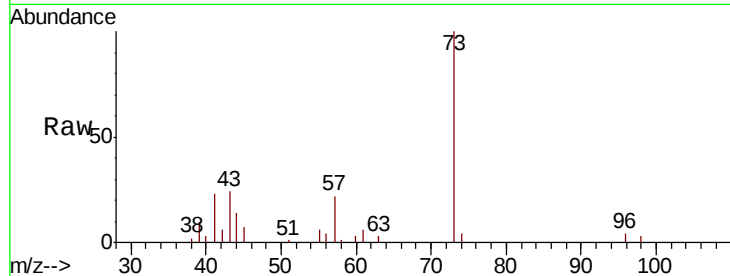


#25

Methyl tert-Butyl Ether
 Concen: 1.947 ug/l
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :

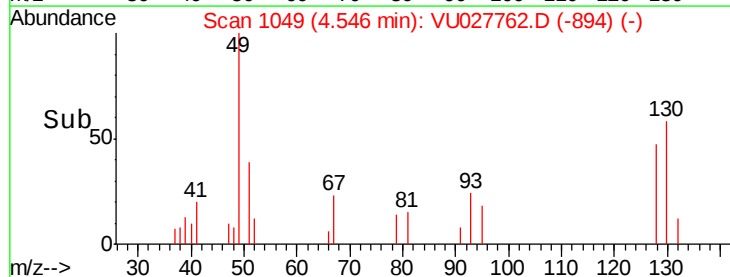
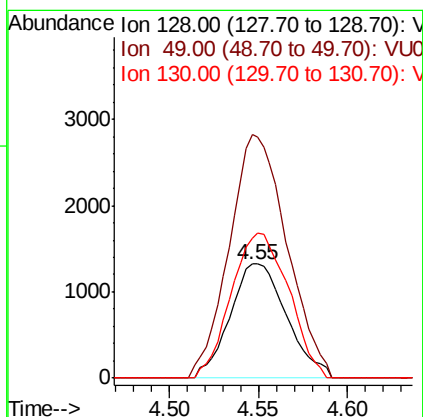
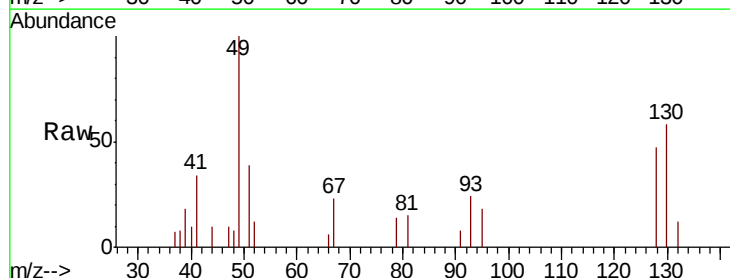
Tot Ion: 73 Resp: 17362
 Ion Ratio Lower Upper
 73 100
 43 26.5 18.6 27.8

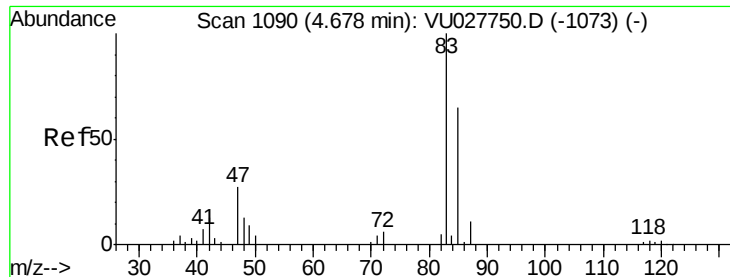


#26

Bromochloromethane
 Concen: 1.953 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion: 128 Resp: 2923
 Ion Ratio Lower Upper
 128 100
 49 217.1 0.0 427.6
 130 128.8 103.4 155.0

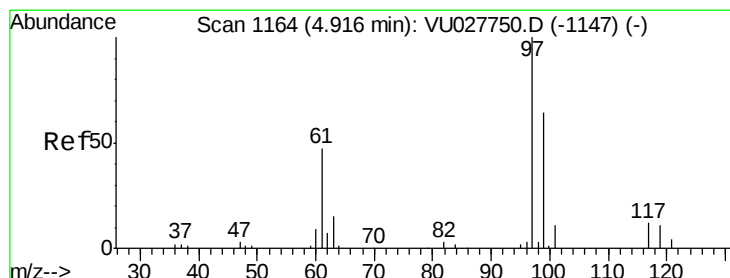
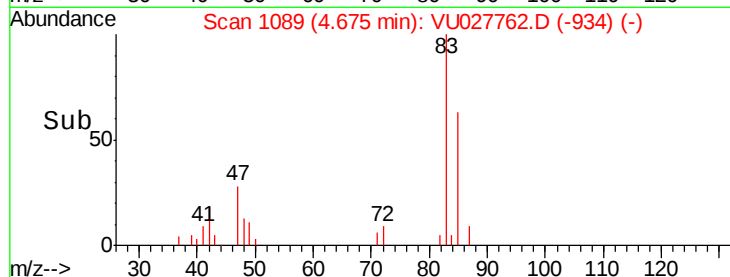
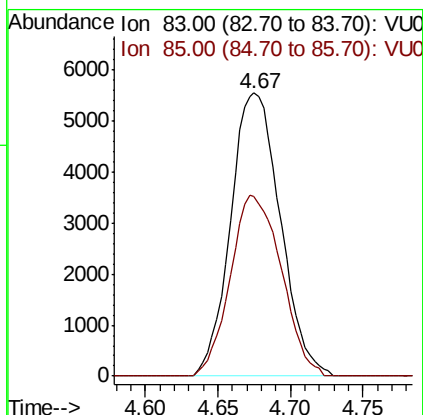
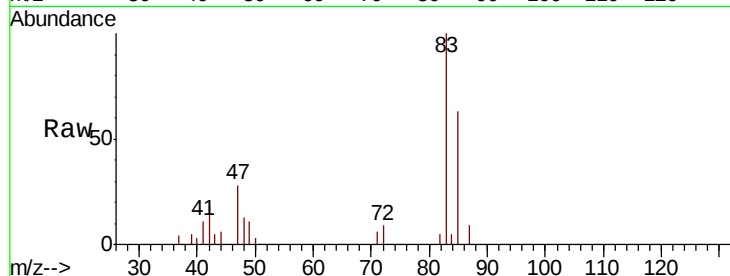




#27
Chloroform
Concen: 1.970 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

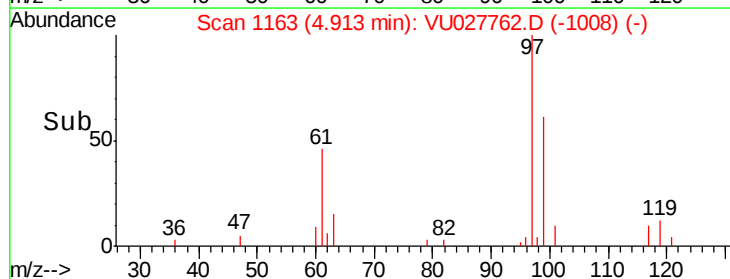
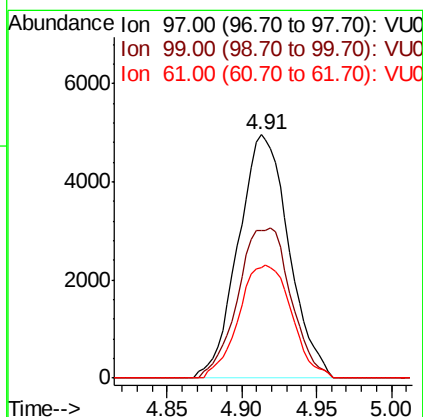
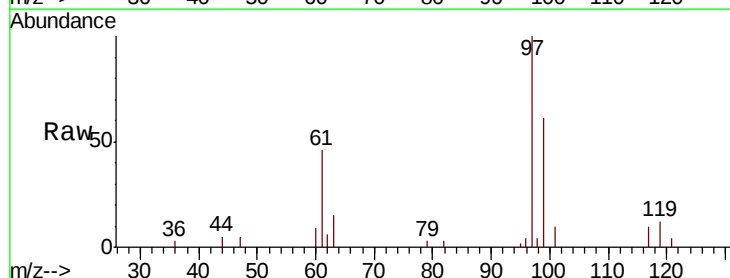
Instrument :
MSVOA_U
ClientSampled :

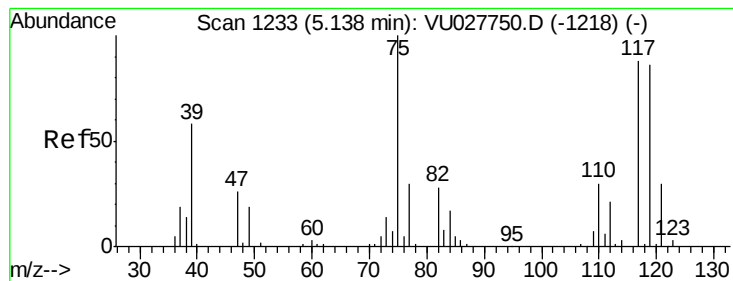
Tot Ion: 83 Resp: 13194
Ion Ratio Lower Upper
83 100
85 63.3 0.0 130.2



#28
1,1,1-Trichloroethane
Concen: 1.953 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 97 Resp: 11642
Ion Ratio Lower Upper
97 100
99 64.7 31.8 95.4
61 48.4 23.6 70.8





#29

1,1-Dichloropropene

Concen: 2.138 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

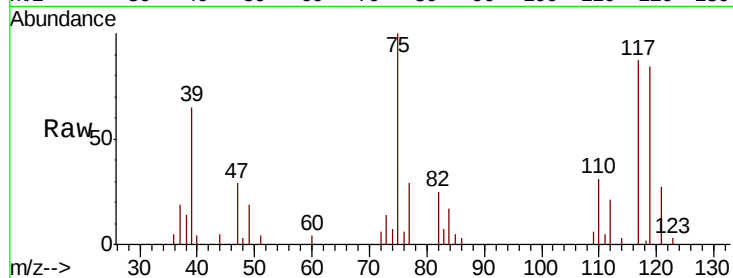
Tot Ion: 75 Resp: 11133

Ion Ratio Lower Upper

75 100

110 31.0 15.6 46.8

77 30.0 24.5 36.7



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

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

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

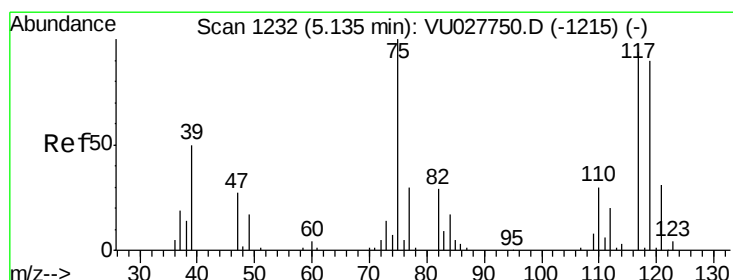
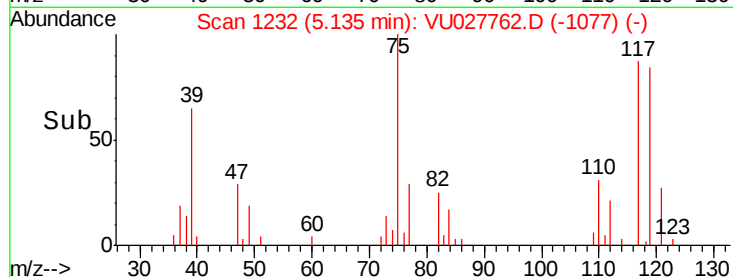
5.13

4000

2000

0

Time-->



#30

Carbon Tetrachloride

Concen: 1.970 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

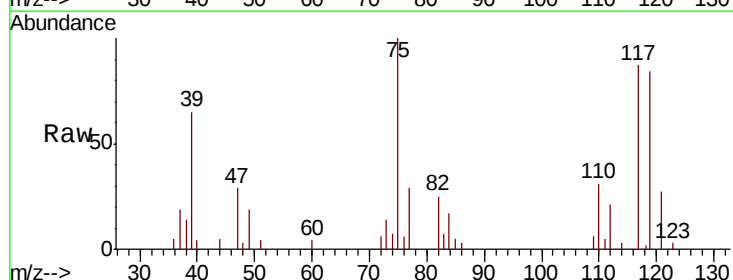
Tgt Ion: 117 Resp: 10492

Ion Ratio Lower Upper

117 100

119 97.6 76.2 114.4

121 30.8 26.4 39.6



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

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

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

5.13

6000

5000

4000

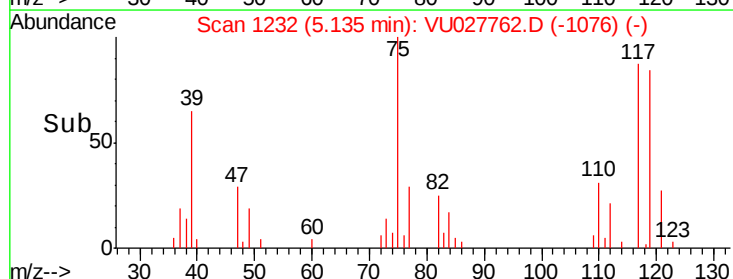
3000

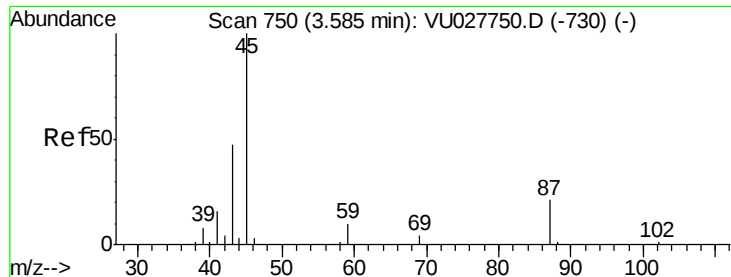
2000

1000

0

Time-->





#31

Isopropyl Ether

Concen: 1.988 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

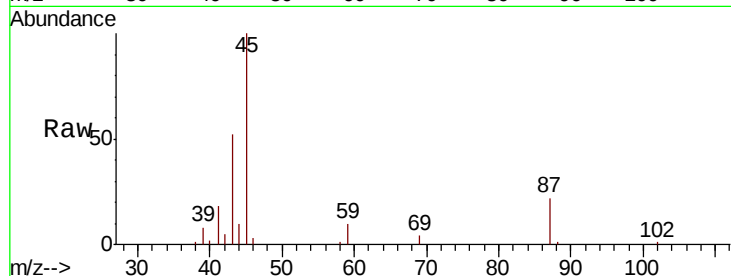
ClientSampleId :

Tot Ion: 45 Resp: 24630

Ion Ratio Lower Upper

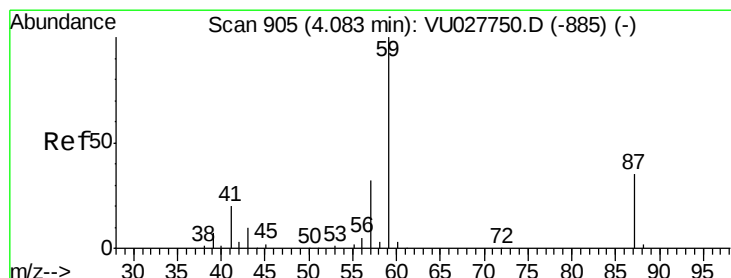
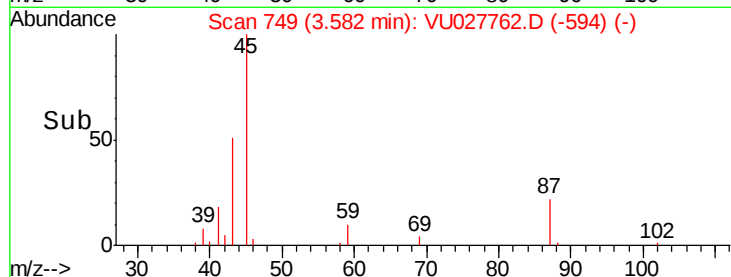
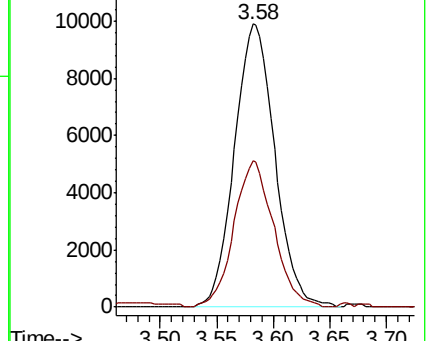
45 100

43 50.9 24.5 73.5



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 1.916 ug/l

RT: 4.08 min Scan# 904

Delta R.T. -0.00 min

Lab File: VU027762.D

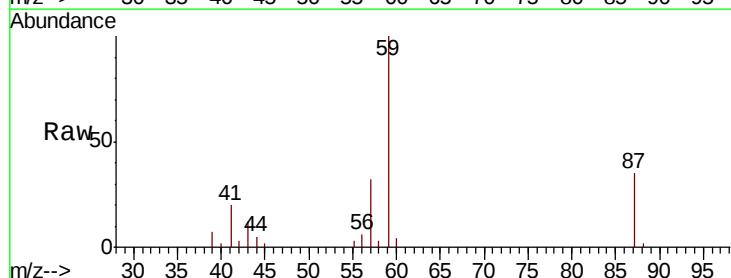
Acq: 23 Oct 2018 14:01

Tgt Ion: 59 Resp: 21063

Ion Ratio Lower Upper

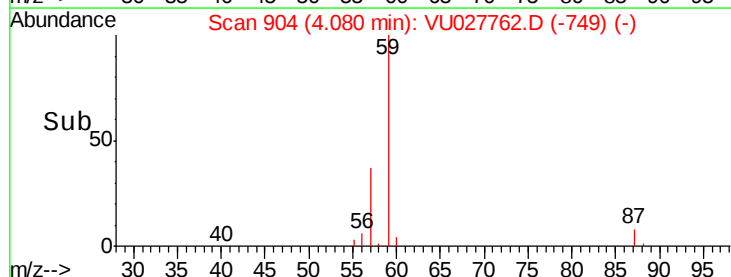
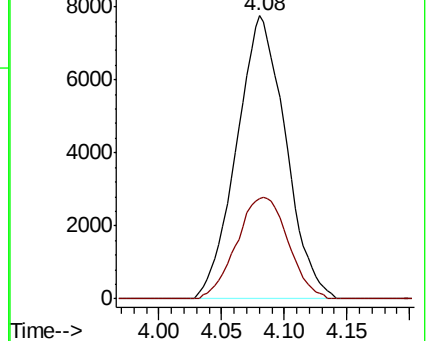
59 100

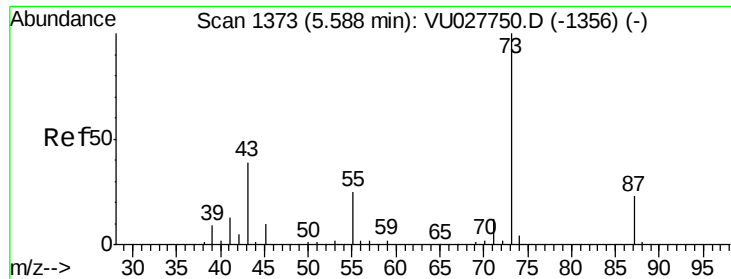
87 37.6 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

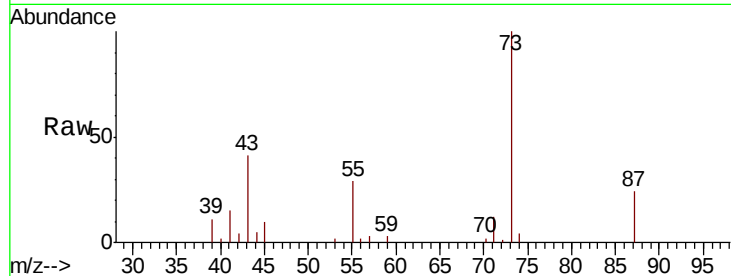




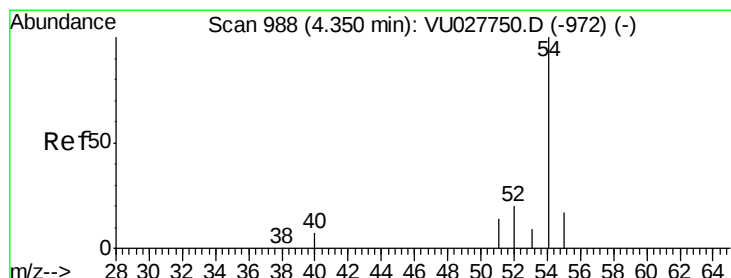
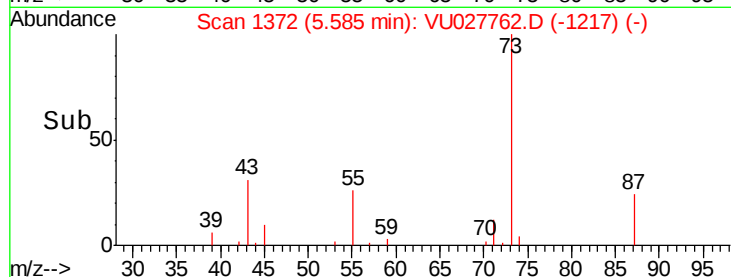
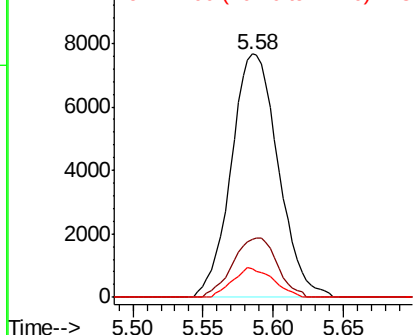
#33
Tert-Butyl methyl ether
Concen: 1.917 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 17886
Ion Ratio Lower Upper
73 100
87 22.9 18.5 27.7
71 10.5 9.1 13.7

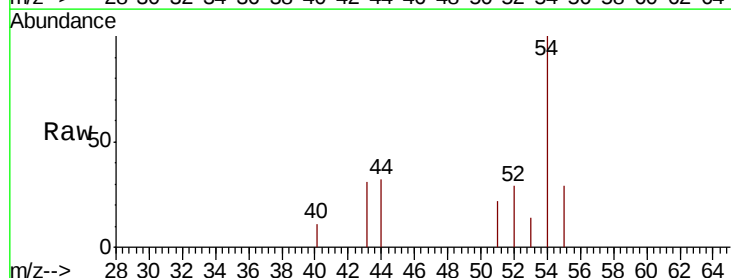


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

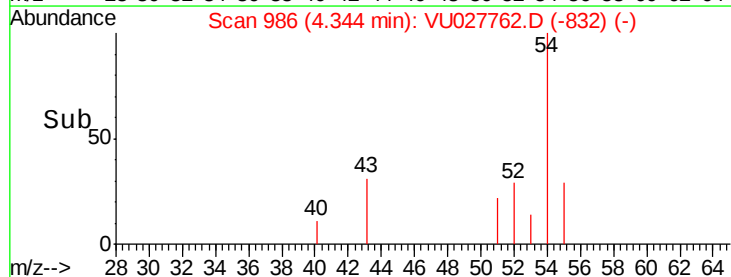
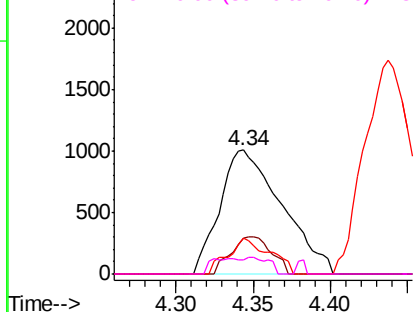


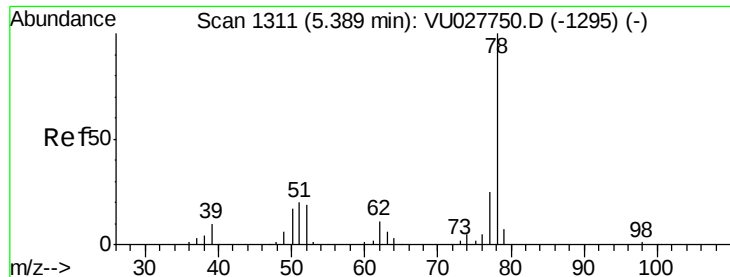
#34
Propionitrile
Concen: 9.098 ug/l
RT: 4.34 min Scan# 986
Delta R.T. -0.01 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 54 Resp: 2805
Ion Ratio Lower Upper
54 100
52 19.5 15.5 23.3
55 19.4 12.6 18.8#
40 6.5 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: 2.021 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

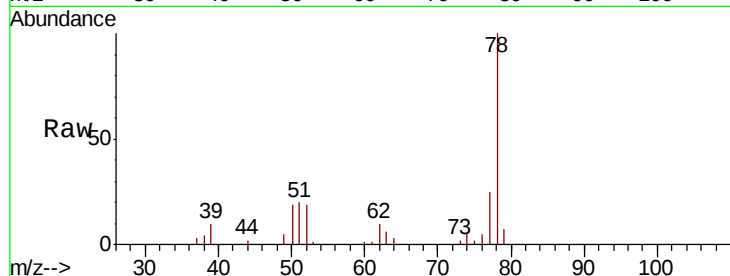
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 29413

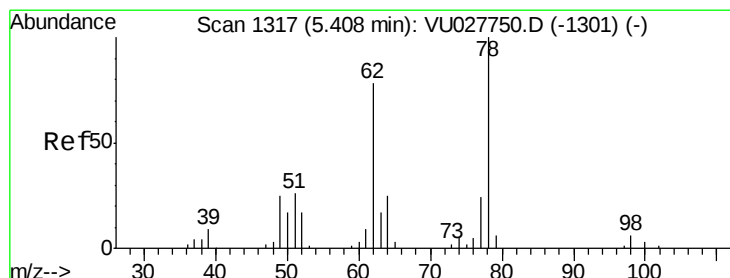
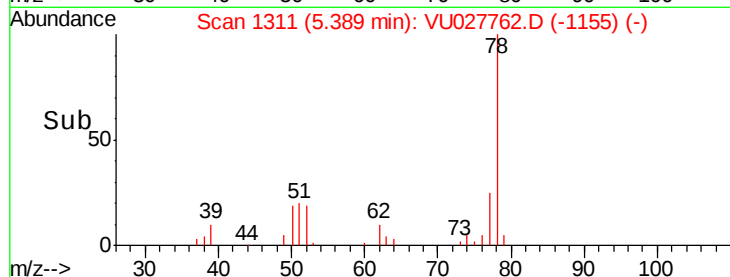
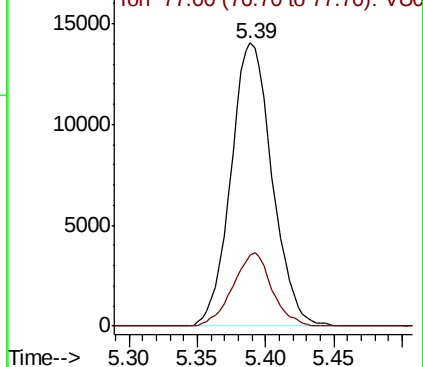
Ion Ratio Lower Upper

78 100

77 25.1 19.9 29.9



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



#36

1,2-Dichloroethane

Concen: 1.990 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027762.D

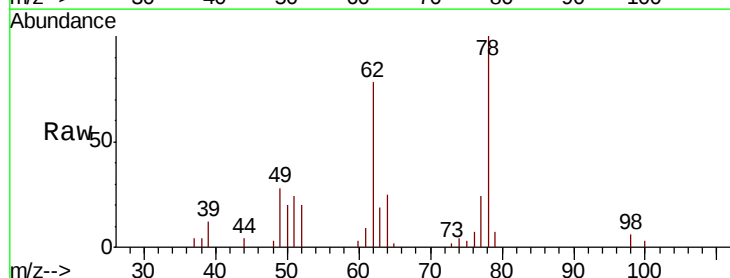
Acq: 23 Oct 2018 14:01

Tgt Ion: 62 Resp: 9634

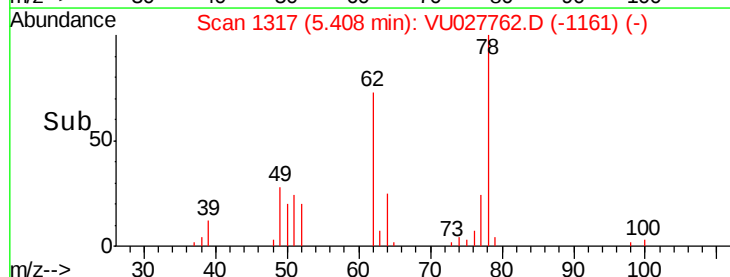
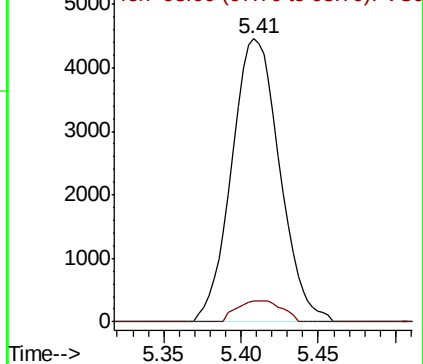
Ion Ratio Lower Upper

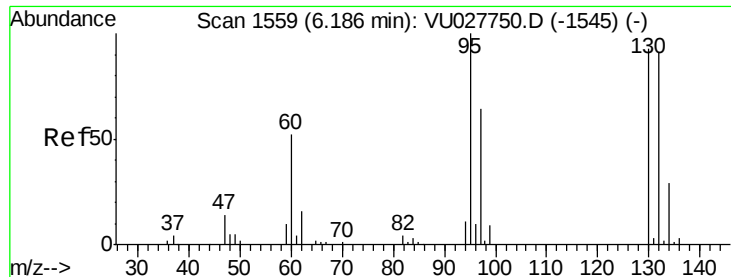
62 100

98 6.9 5.8 8.6



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

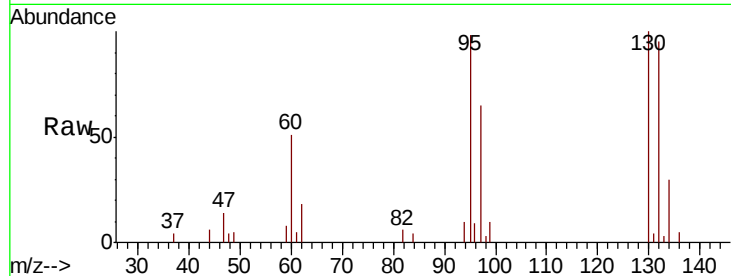




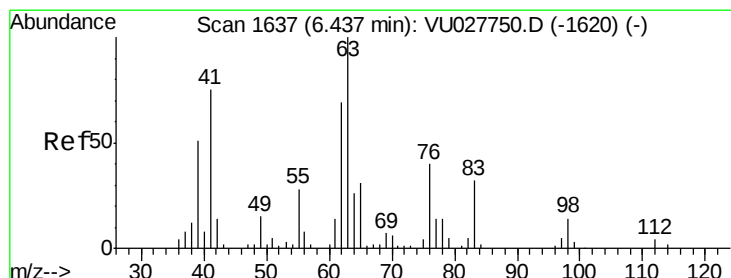
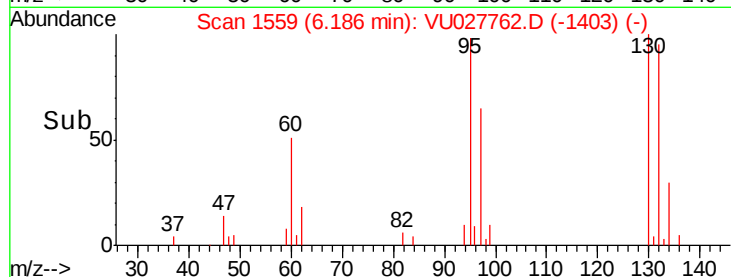
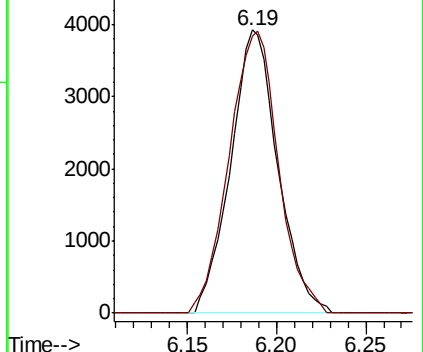
#37
 Trichloroethene
 Concen: 2.016 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:130 Resp: 7237
 Ion Ratio Lower Upper
 130 100
 95 98.0 86.4 129.6

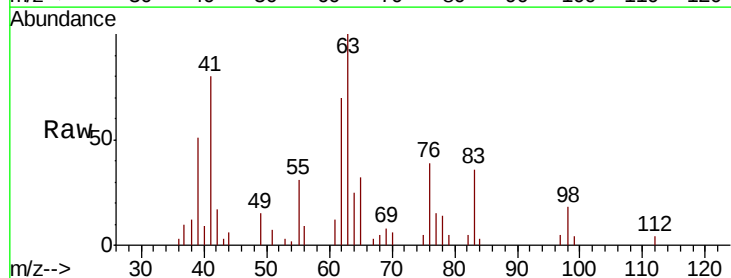


Abundance Ion 129.90 (129.60 to 130.60): VU027750.D (-1545) (-)
 Ion 94.90 (94.60 to 95.60): VU027750.D (-1545) (-)

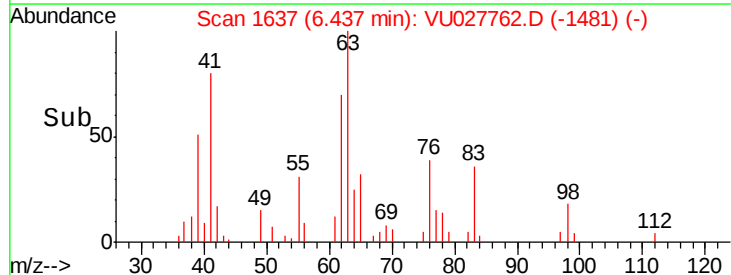
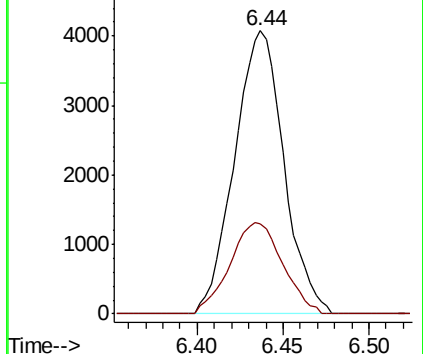


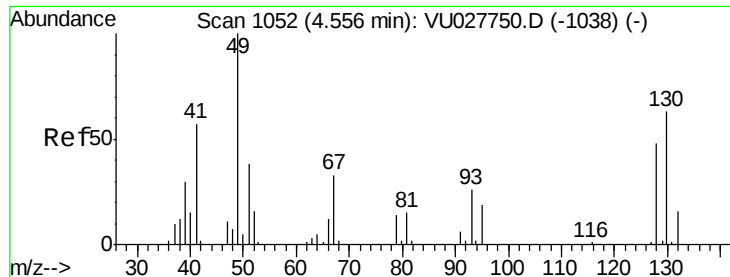
#38
 1,2-Dichloropropane
 Concen: 1.985 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion: 63 Resp: 8112
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.9 37.3



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





#39

Methacrylonitrile

Concen: 1.962 ug/l

RT: 4.56 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 3341

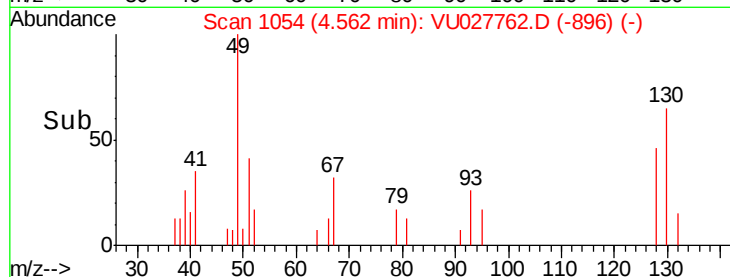
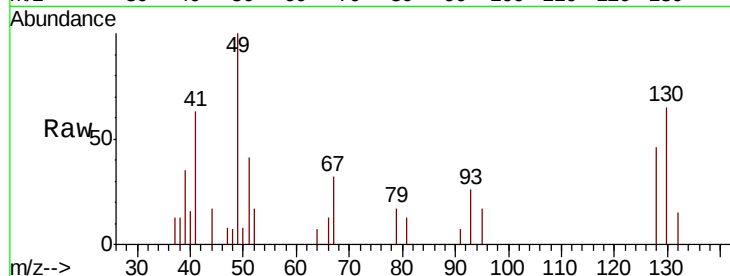
Ion Ratio Lower Upper

41 100

67 46.9 46.1 69.1

39 55.8 43.6 65.4

52 23.5 21.4 32.2

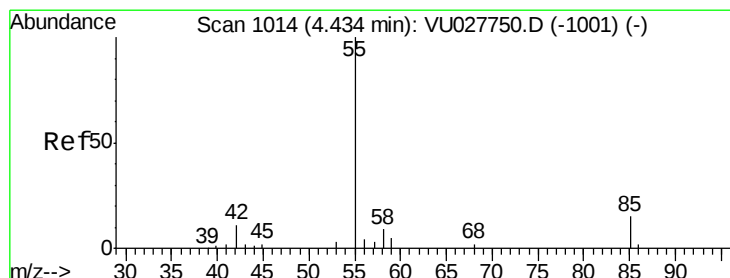
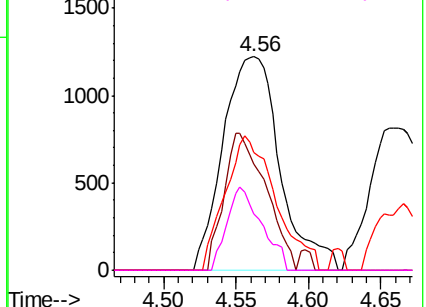


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 1.904 ug/l

RT: 4.44 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Tgt Ion: 55 Resp: 4224

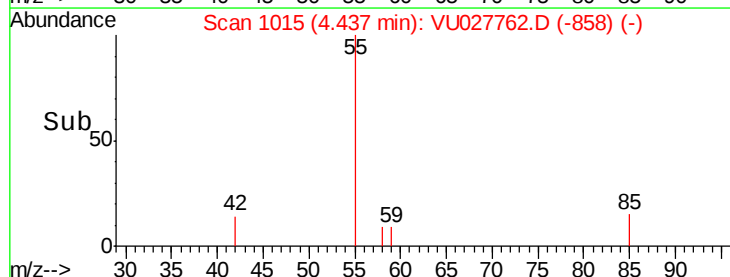
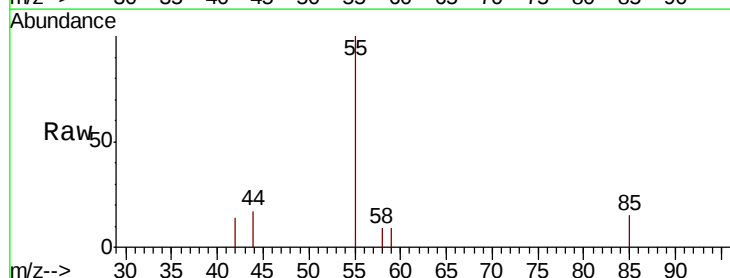
Ion Ratio Lower Upper

55 100

85 12.6 11.8 17.6

58 5.6 7.0 10.4#

42 9.6 9.4 14.2

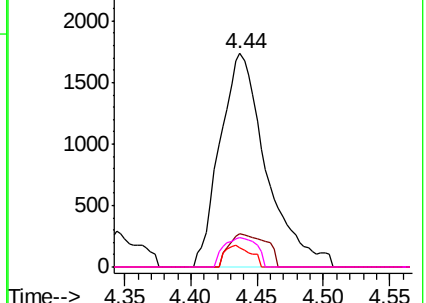


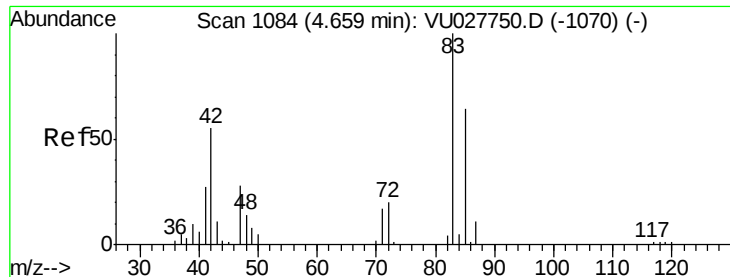
Abundance Ion 55.00 (54.70 to 55.70): VU0

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: 3.512 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :

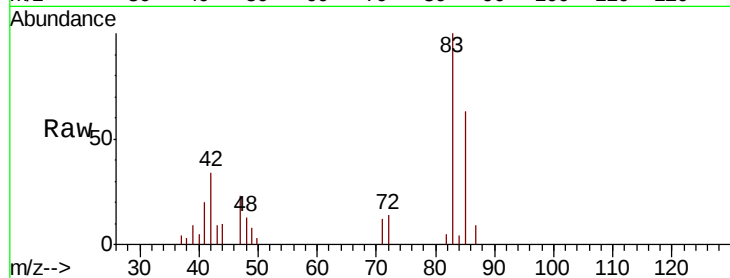
Tot Ion: 42 Resp: 3304

Ion Ratio Lower Upper

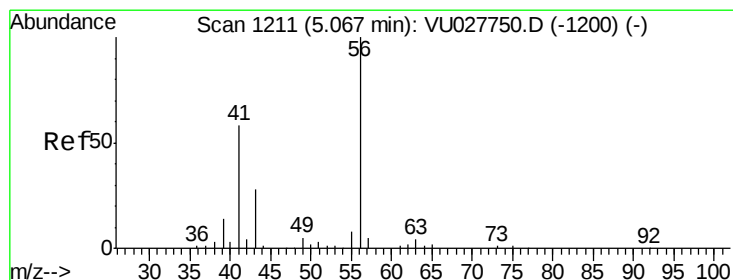
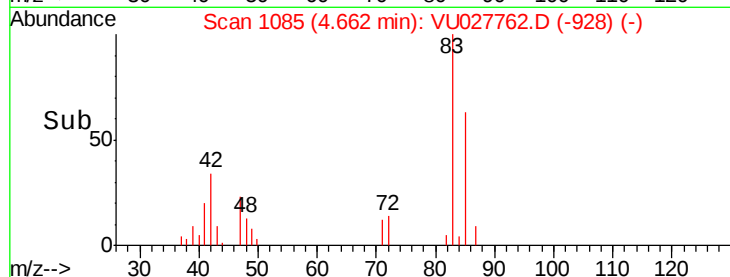
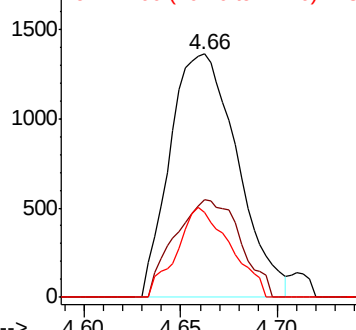
42 100

72 39.0 30.6 45.8

71 29.3 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: 1.987 ug/l

RT: 5.06 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VU027762.D

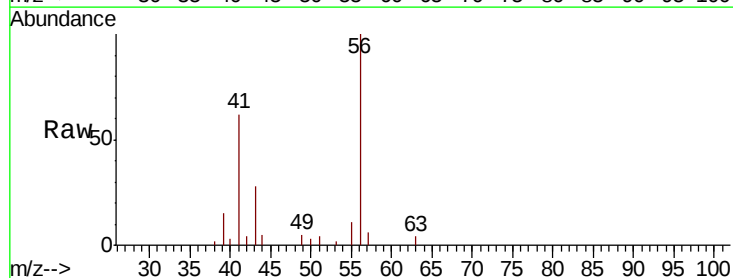
Acq: 23 Oct 2018 14:01

Tgt Ion: 56 Resp: 16319

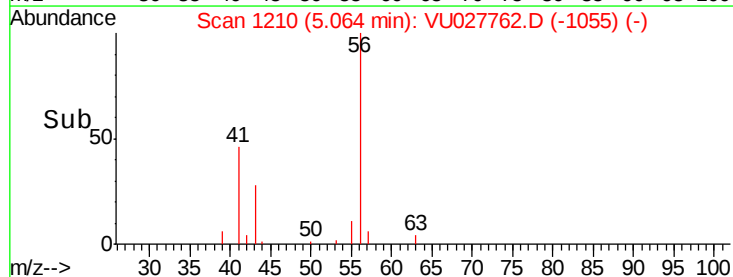
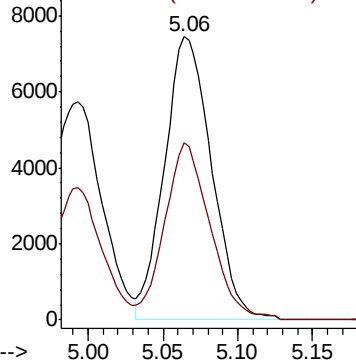
Ion Ratio Lower Upper

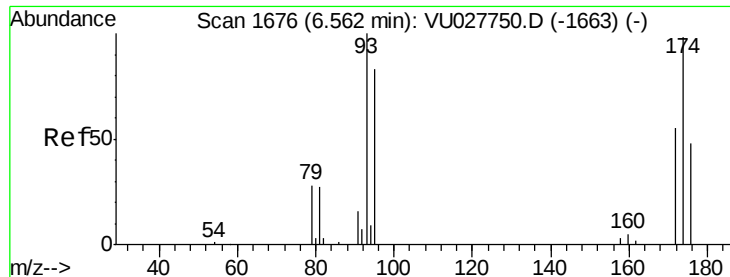
56 100

41 60.3 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: 1.815 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampled :

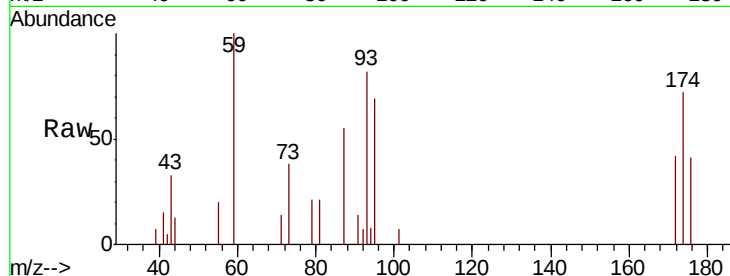
Tot Ion: 93 Resp: 3372

Ion Ratio Lower Upper

93 100

95 88.6 64.2 96.2

174 97.8 76.7 115.1

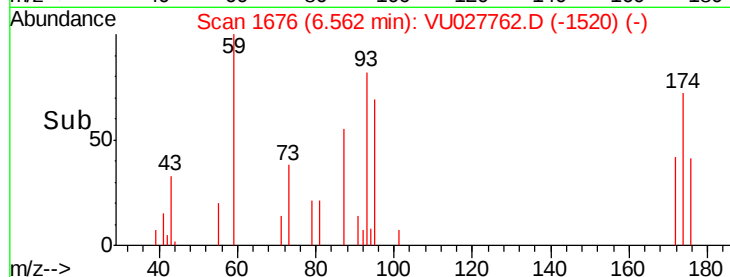


Abundance Ion 93.00 (92.70 to 93.70): VU027750.D (-1663) (-)

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

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

Time-->

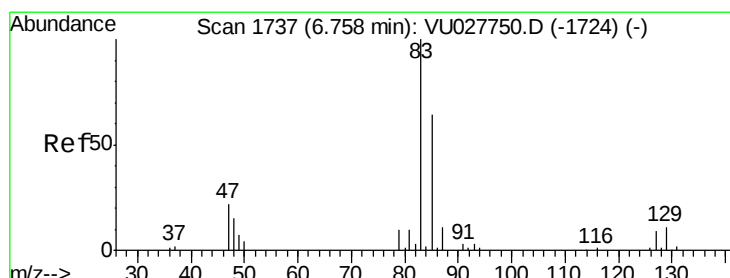


Abundance Ion 93.00 (92.70 to 93.70): VU027762.D (-1520) (-)

Ion 95.00 (94.70 to 95.70): VU027762.D (-1520) (-)

Ion 174.00 (173.70 to 174.70): VU027762.D (-1520) (-)

Time-->



#44

Bromodichloromethane

Concen: 1.976 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

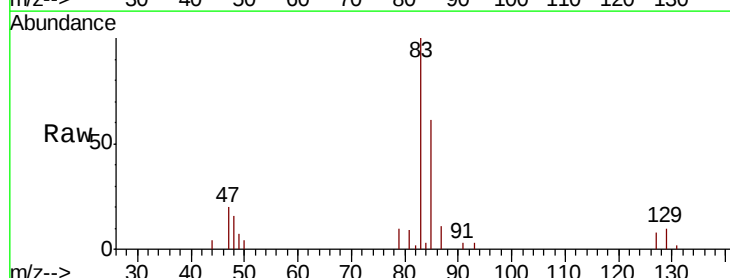
Tgt Ion: 83 Resp: 9965

Ion Ratio Lower Upper

83 100

85 61.0 51.5 77.3

127 7.9 7.0 10.4

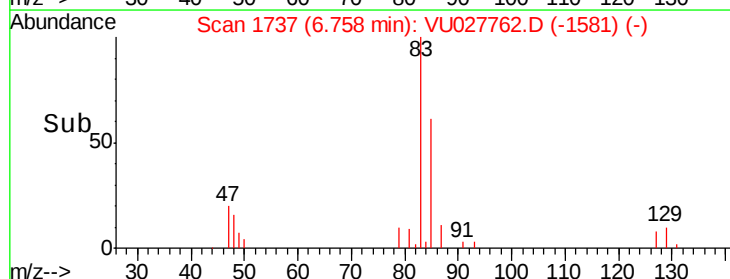


Abundance Ion 83.00 (82.70 to 83.70): VU027750.D (-1724) (-)

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

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

Time-->

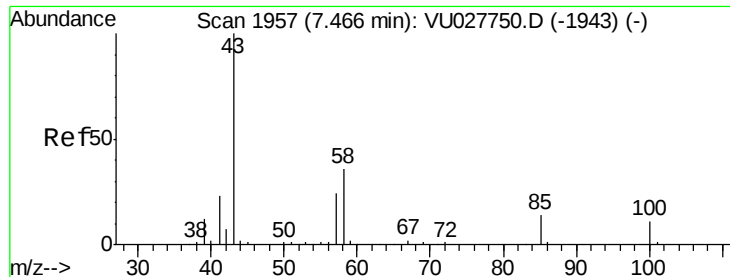


Abundance Ion 83.00 (82.70 to 83.70): VU027762.D (-1581) (-)

Ion 85.00 (84.70 to 85.70): VU027762.D (-1581) (-)

Ion 127.00 (126.70 to 127.70): VU027762.D (-1581) (-)

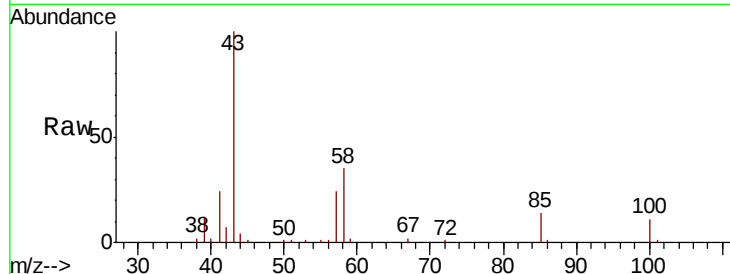
Time-->



#45
4-Methyl-2-Pentanone
Concen: 9.500 ug/l
RT: 7.47 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	17.9	53.8
85	13.7	11.4	17.0

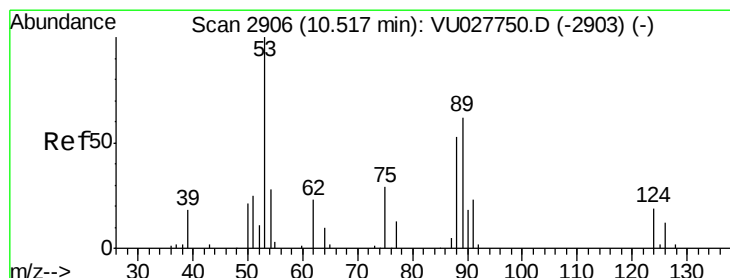
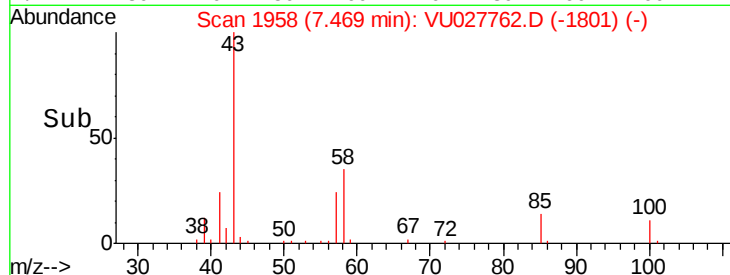
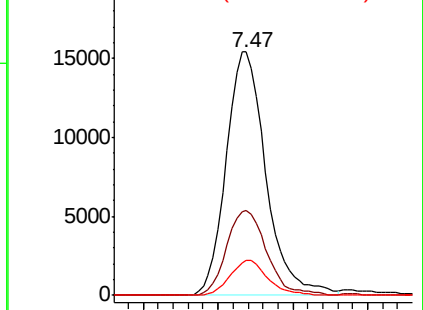


Abundance

Ion 43.00 (42.70 to 43.70): VU0

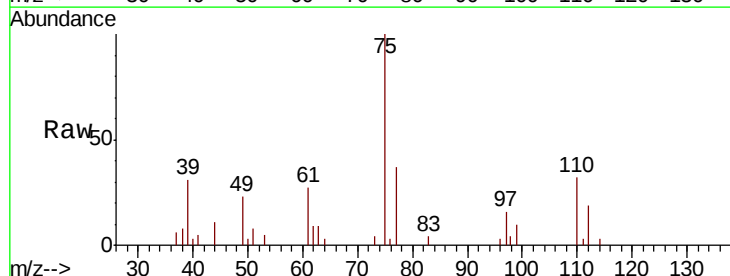
Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
t-1,4-Dichloro-2-butene
Concen: 4.148 ug/l
RT: 10.50 min Scan# 2900
Delta R.T. -0.02 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	74.9	68.2	102.4
89	43.1	41.8	62.6
88	32.2	33.8	50.8#



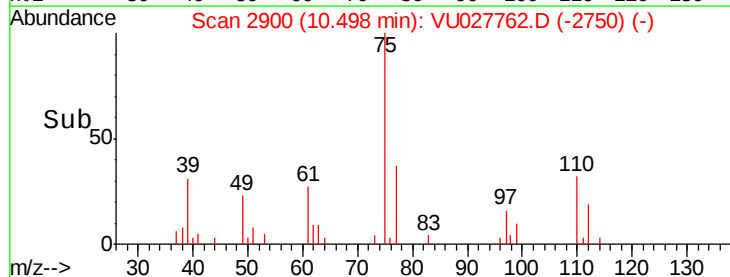
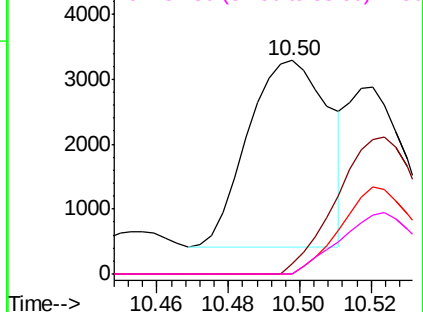
Abundance

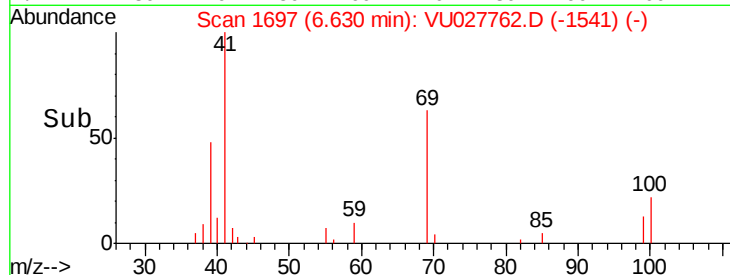
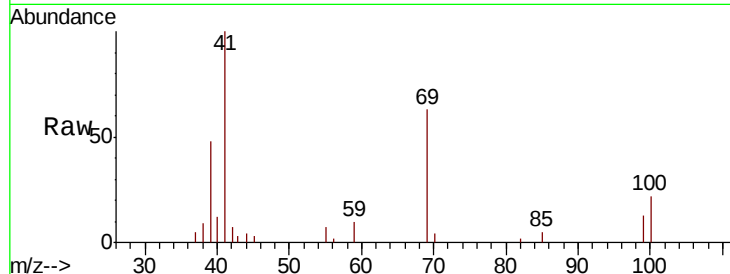
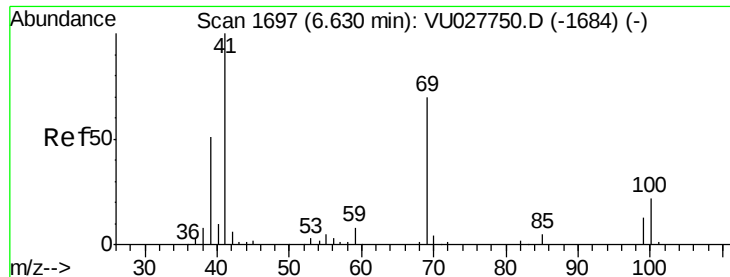
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

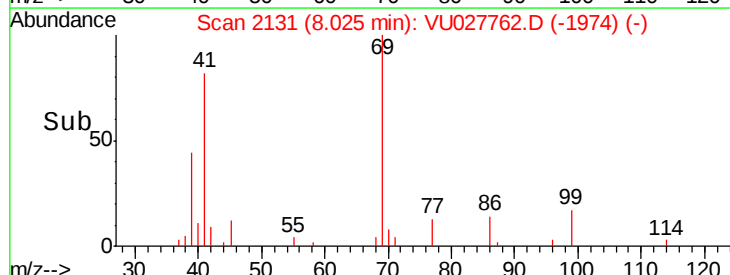
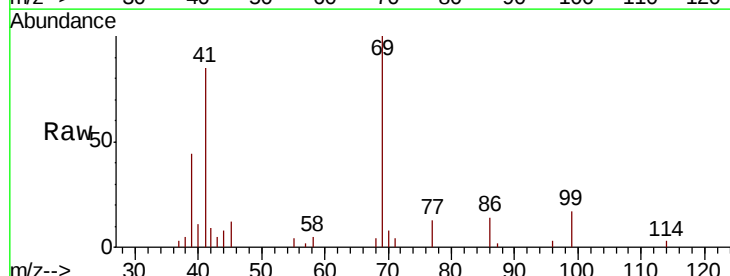
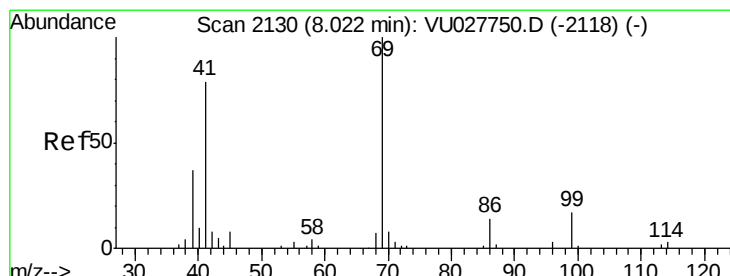
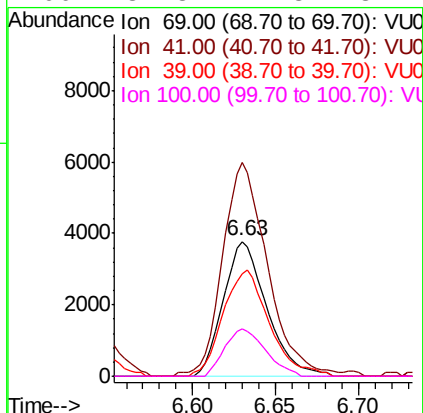
Ion 87.80 (87.50 to 88.50): VU0





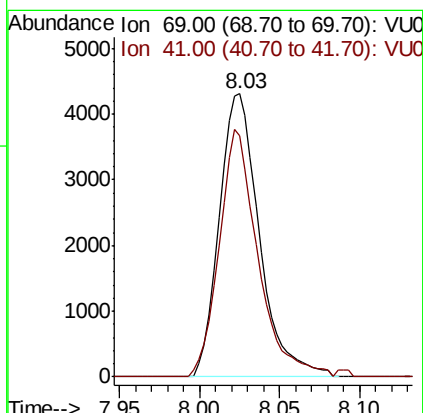
#47
Methyl methacrylate
Concen: 3.523 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

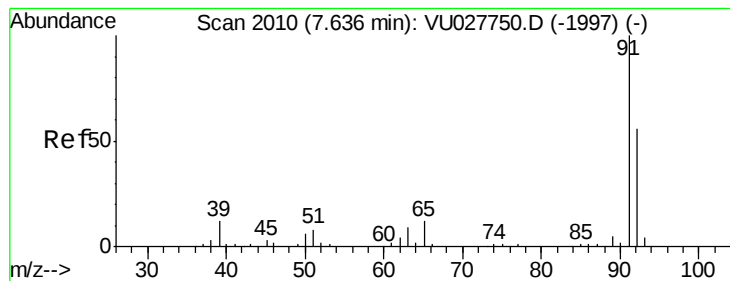
Tot Ion: 69 Resp: 6901
Ion Ratio Lower Upper
69 100
41 163.0 0.0 281.2
39 83.6 58.6 88.0
100 32.8 24.8 37.2



#48
Ethyl methacrylate
Concen: 1.819 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 69 Resp: 7405
Ion Ratio Lower Upper
69 100
41 84.5 39.1 117.2





#49

Toluene

Concen: 1.990 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

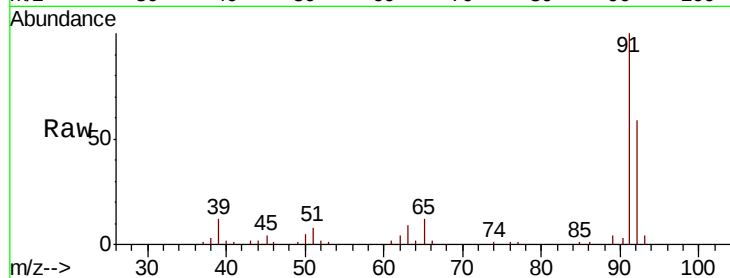
ClientSampleId :

Tot Ion: 92 Resp: 17176

Ion Ratio Lower Upper

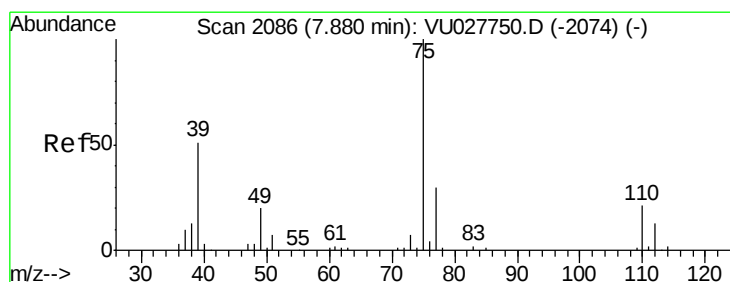
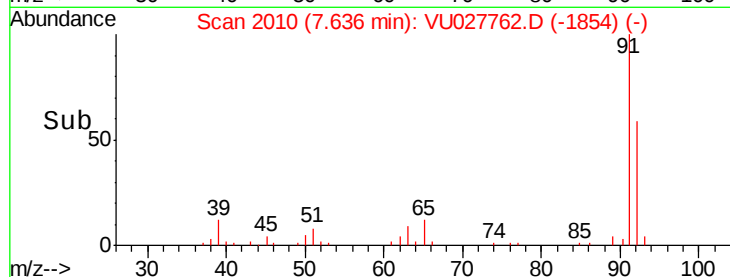
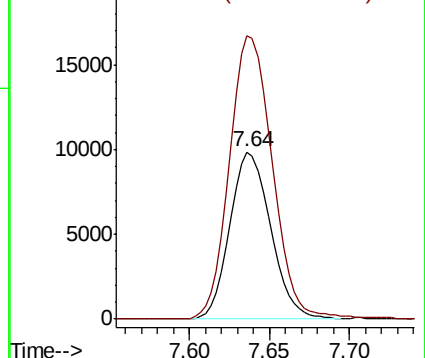
92 100

91 178.0 141.8 212.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 1.920 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027762.D

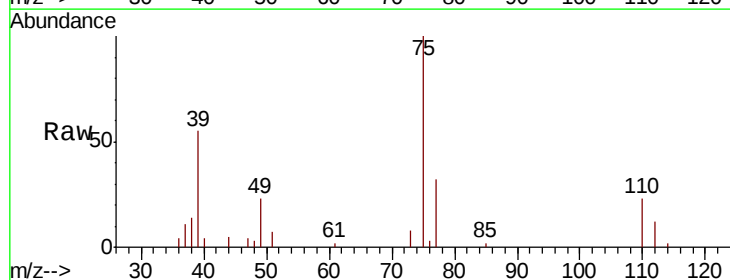
Acq: 23 Oct 2018 14:01

Tgt Ion: 75 Resp: 9648

Ion Ratio Lower Upper

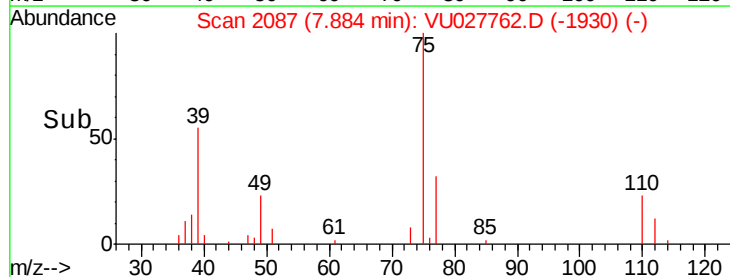
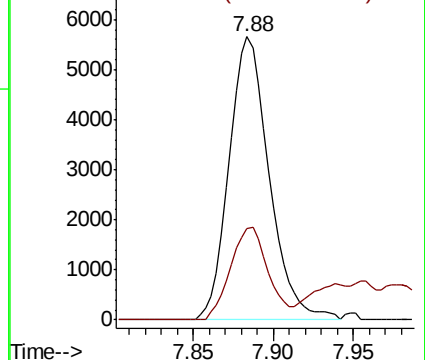
75 100

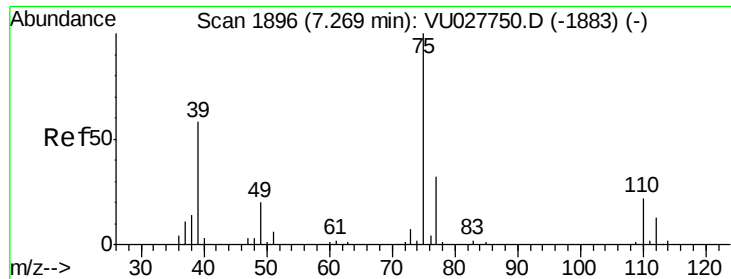
77 32.4 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



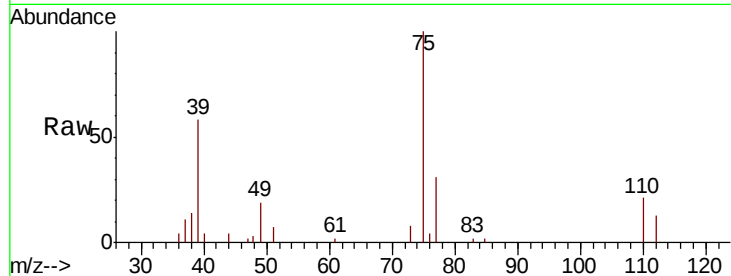


#51

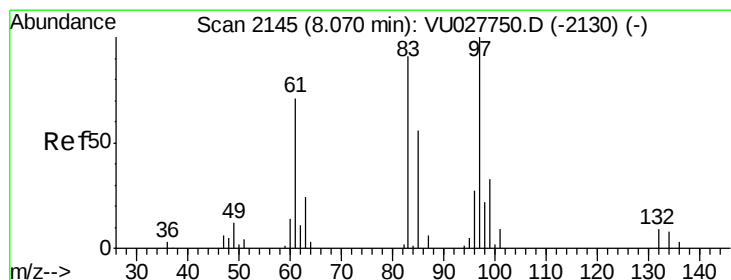
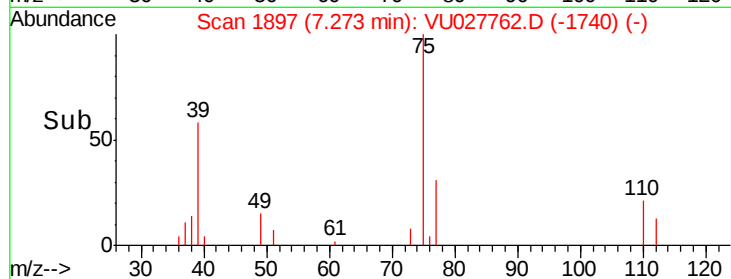
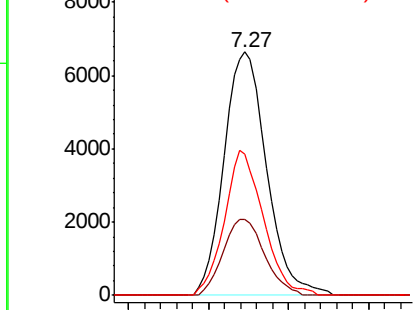
cis-1,3-Dichloropropene
 Concen: 2.041 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 12084
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9
 39 58.2 46.4 69.6



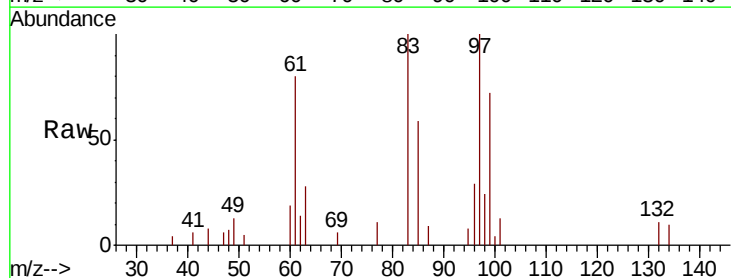
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



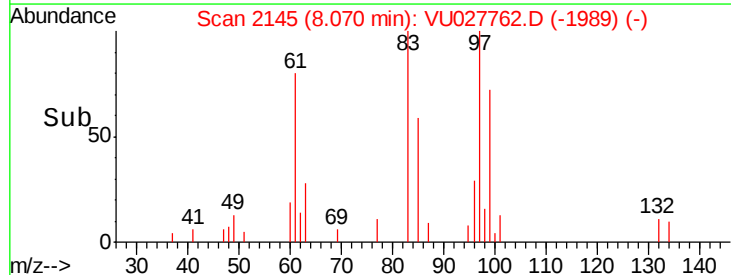
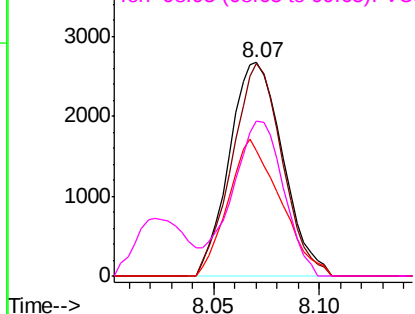
#52

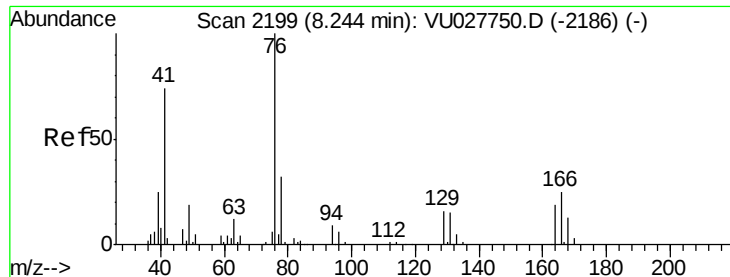
1,1,2-Trichloroethane
 Concen: 1.872 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion: 97 Resp: 4698
 Ion Ratio Lower Upper
 97 100
 83 99.8 73.0 109.6
 85 59.0 46.5 69.7
 99 72.3 49.8 74.8



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

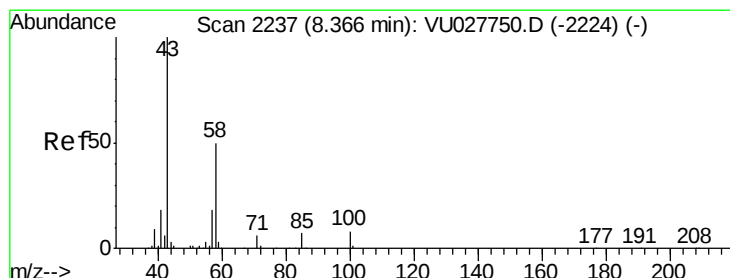
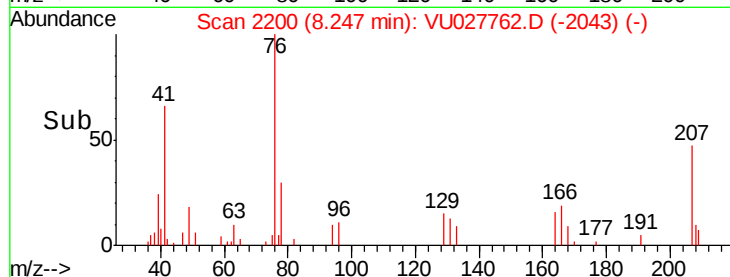
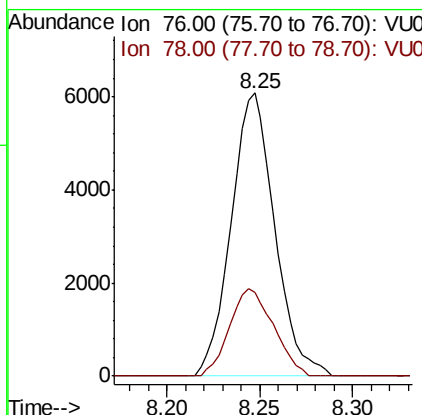
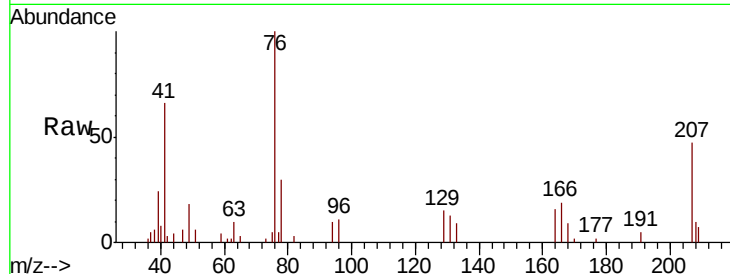




#53
 1,3-Dichloropropane
 Concen: 2.058 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

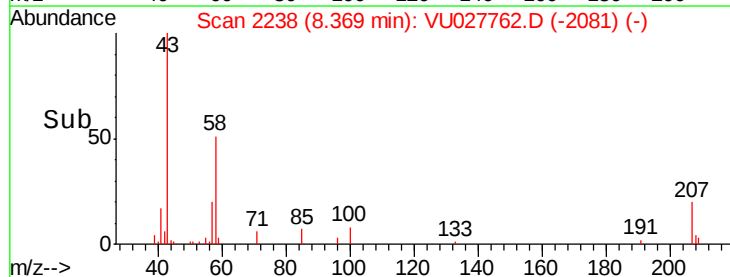
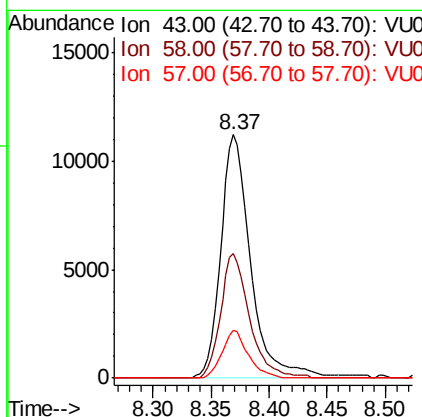
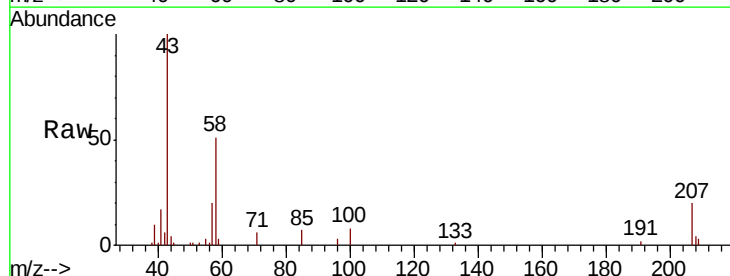
Instrument :
 MSVOA_U
 ClientSampleId :

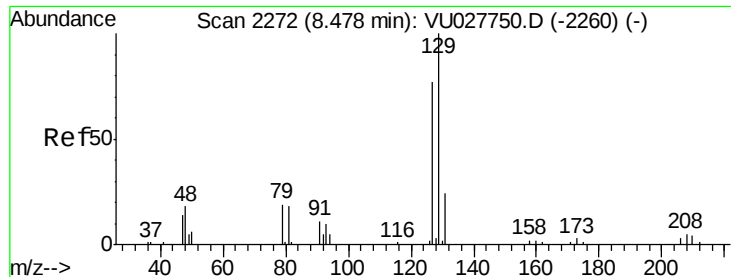
Tot Ion: 76 Resp: 9919
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.4 38.0



#54
 2-Hexanone
 Concen: 9.381 ug/l
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion: 43 Resp: 20158
 Ion Ratio Lower Upper
 43 100
 58 49.5 30.0 70.0
 57 17.1 0.0 37.7





#55

Dibromochloromethane

Concen: 1.911 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

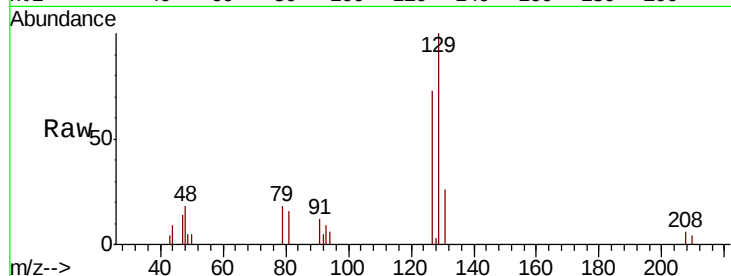
ClientSampleId :

Tot Ion:129 Resp: 6027

Ion Ratio Lower Upper

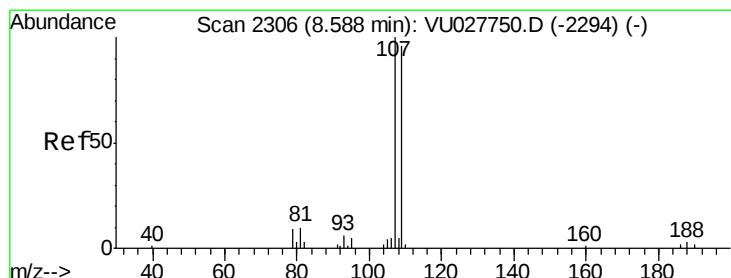
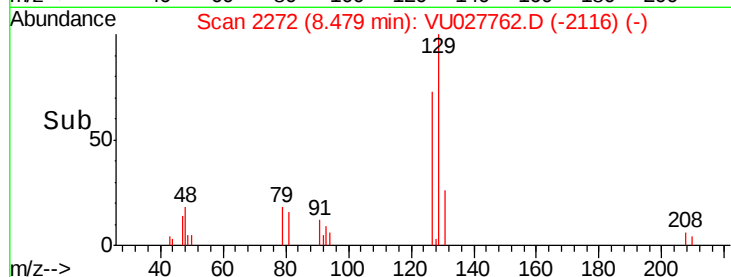
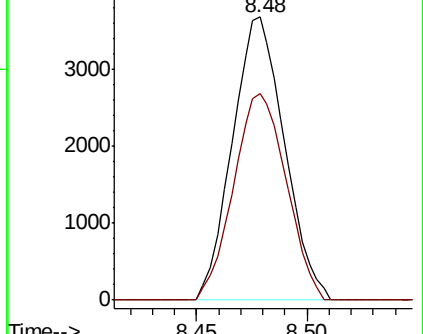
129 100

127 73.9 61.9 92.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.833 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027762.D

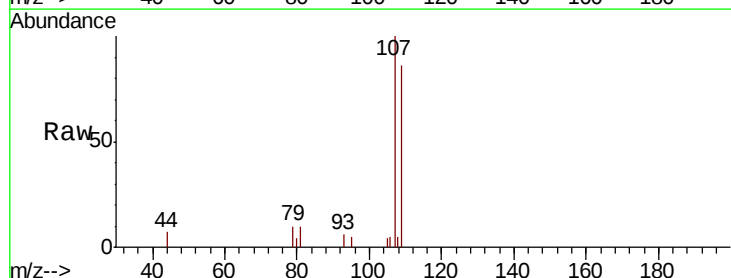
Acq: 23 Oct 2018 14:01

Tgt Ion:107 Resp: 4514

Ion Ratio Lower Upper

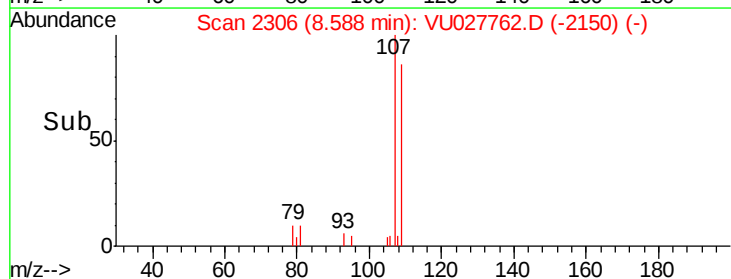
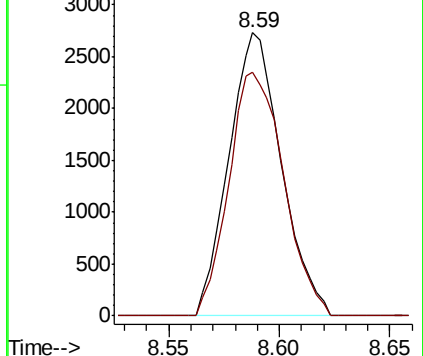
107 100

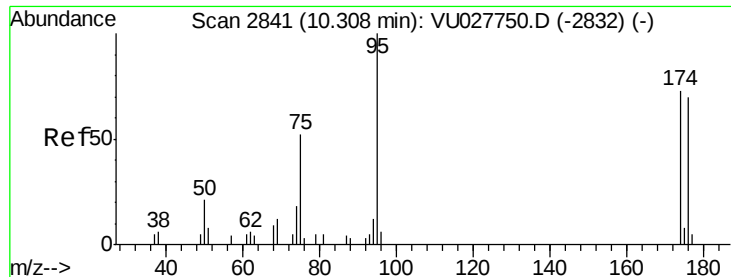
109 89.9 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

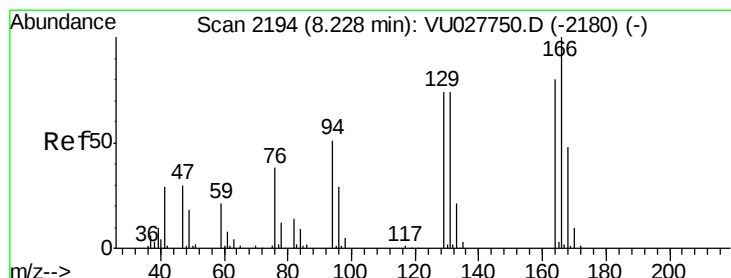
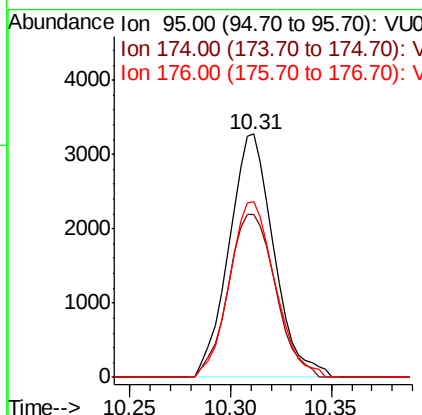
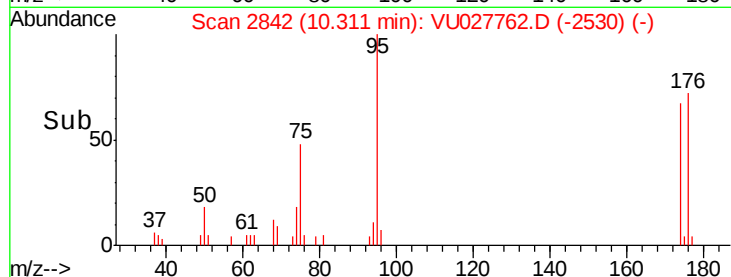
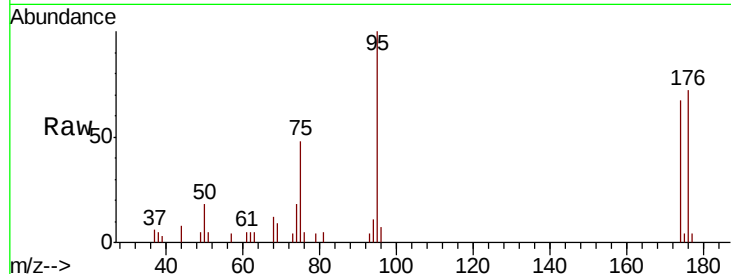




#57
4-Bromofluorobenzene
Concen: 1.833 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

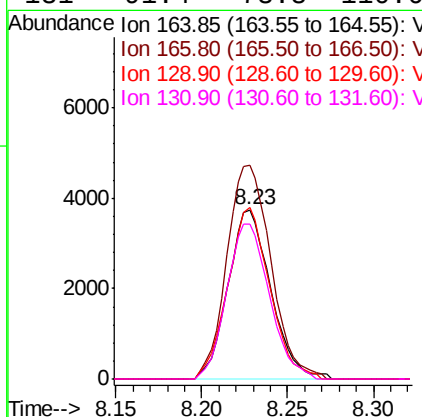
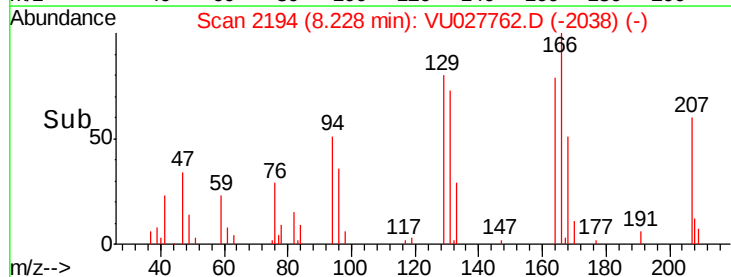
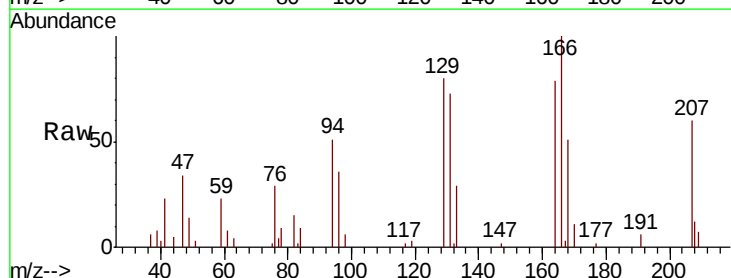
Instrument :
MSVOA_U
ClientSampleId :

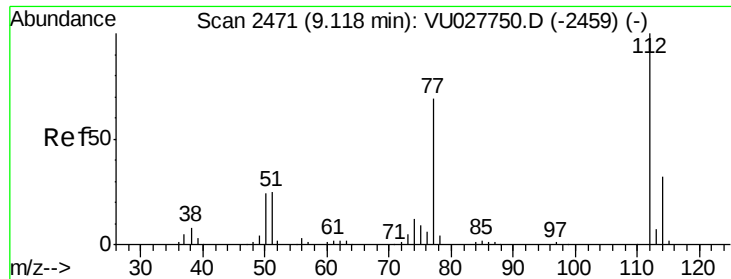
Tot Ion: 95 Resp: 5082
Ion Ratio Lower Upper
95 100
174 70.6 64.5 96.7
176 73.5 58.3 87.5



#58
Tetrachloroethene
Concen: 1.910 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 164 Resp: 6468
Ion Ratio Lower Upper
164 100
166 126.0 100.2 150.4
129 100.9 73.7 110.5
131 91.4 73.8 110.6

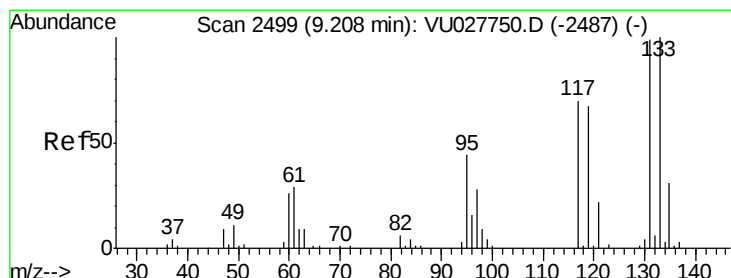
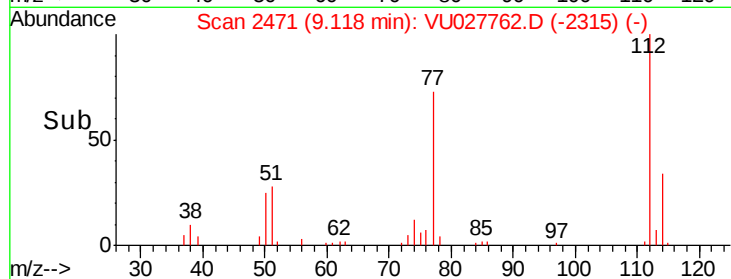
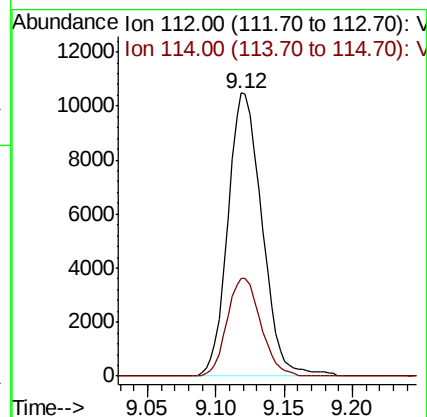
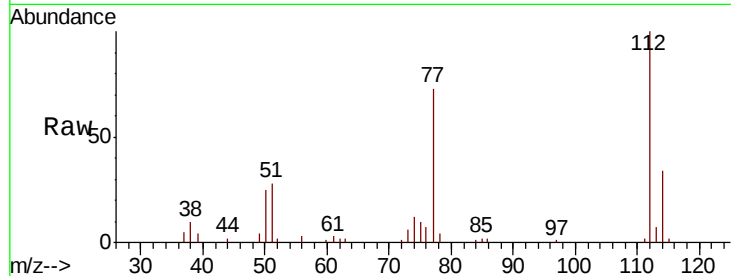




#59
Chlorobenzene
Concen: 1.973 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

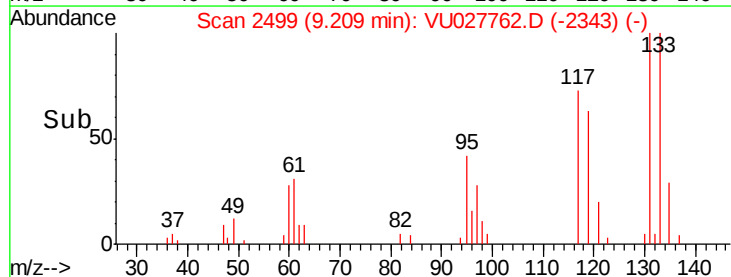
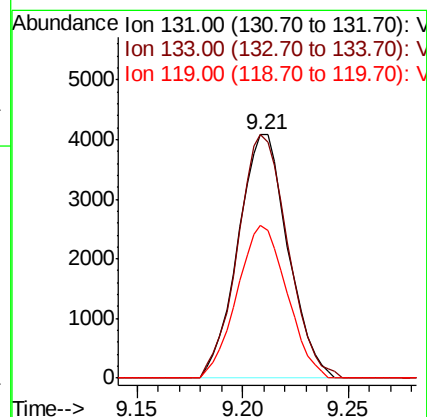
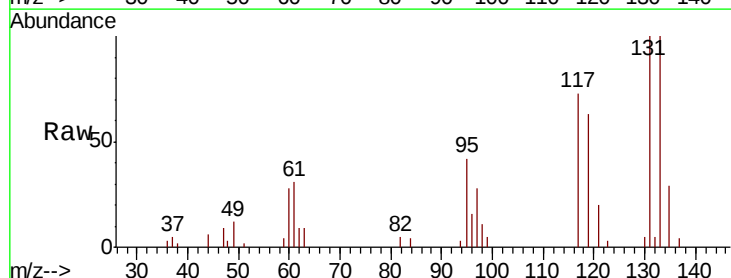
Instrument :
MSVOA_U
ClientSampleId :

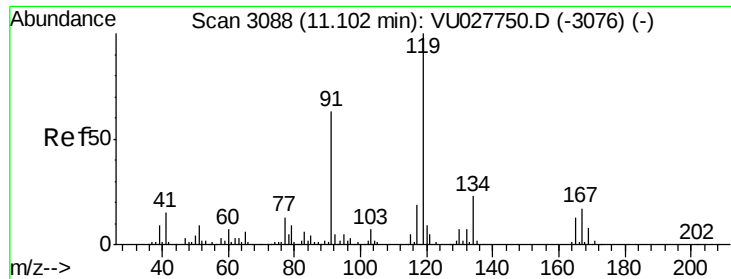
Tot Ion:112 Resp: 18257
Ion Ratio Lower Upper
112 100
114 34.3 25.4 38.0



#60
1,1,1,2-Tetrachloroethane
Concen: 1.998 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion:131 Resp: 6719
Ion Ratio Lower Upper
131 100
133 100.1 77.5 116.3
119 62.5 52.0 78.0

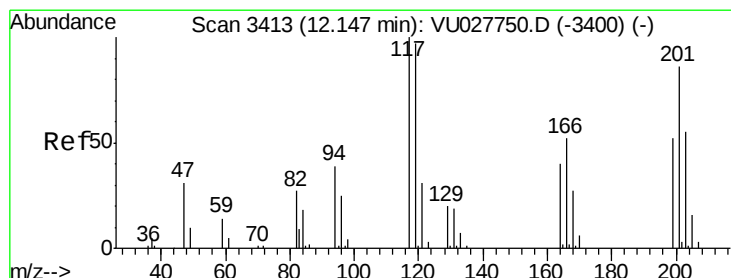
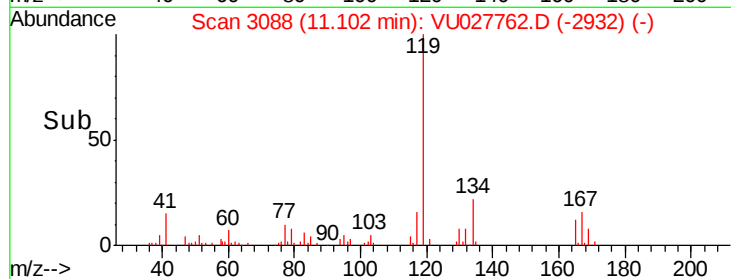
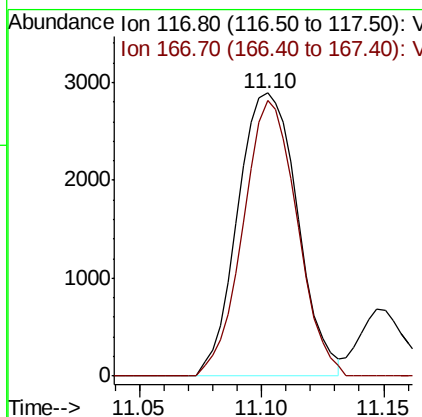
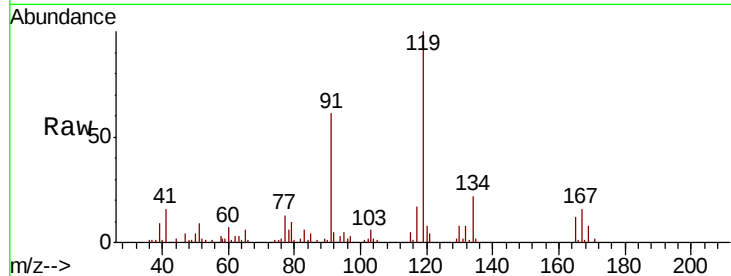




#61
 Pentachloroethane
 Concen: 1.963 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

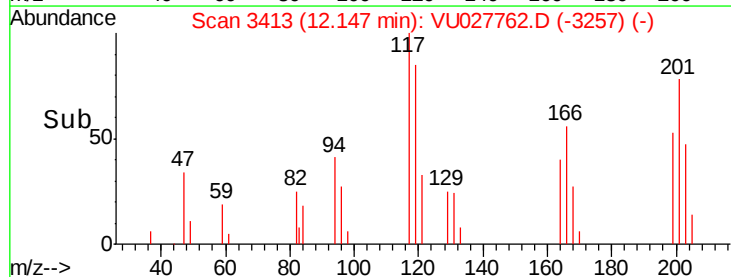
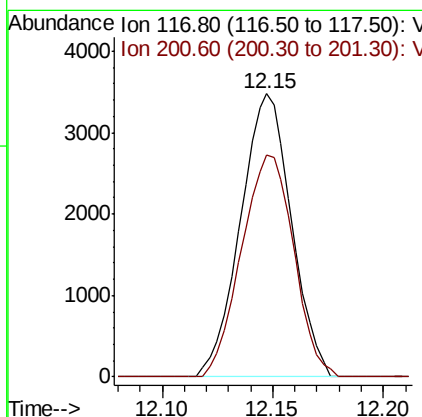
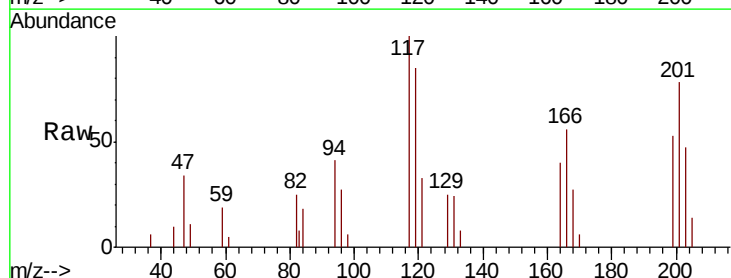
Instrument :
 MSVOA_U
 ClientSampleId :

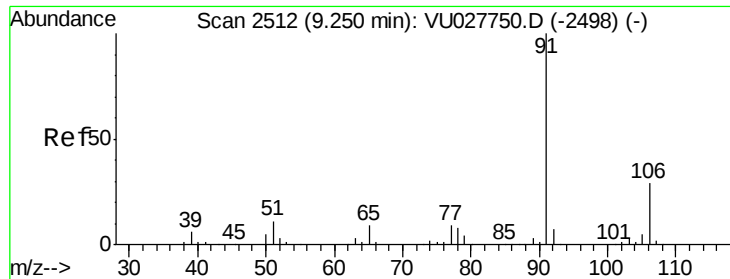
Tot Ion:117 Resp: 4926
 Ion Ratio Lower Upper
 117 100
 167 87.8 70.1 105.1



#62
 Hexachloroethane
 Concen: 2.018 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion:117 Resp: 5561
 Ion Ratio Lower Upper
 117 100
 201 80.3 66.0 99.0





#63

Ethyl Benzene

Concen: 1.980 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

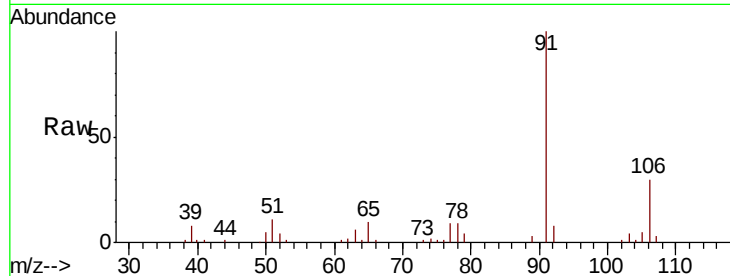
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 34694

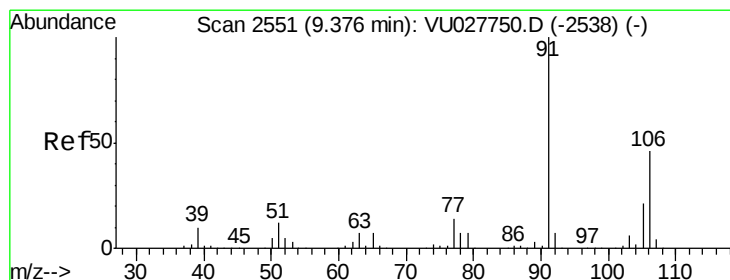
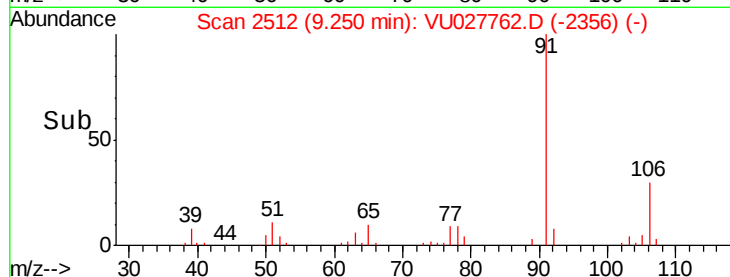
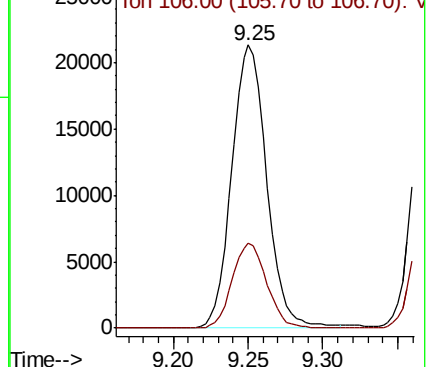
Ion Ratio Lower Upper

91 100

106 30.1 23.5 35.3



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



#64

m/p-Xylenes

Concen: 3.981 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027762.D

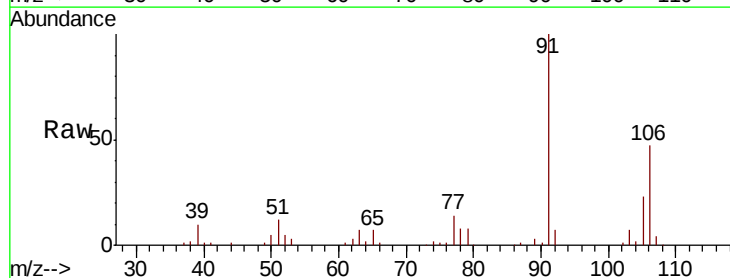
Acq: 23 Oct 2018 14:01

Tgt Ion: 106 Resp: 24893

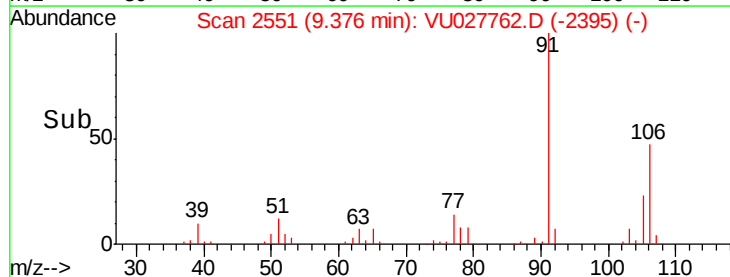
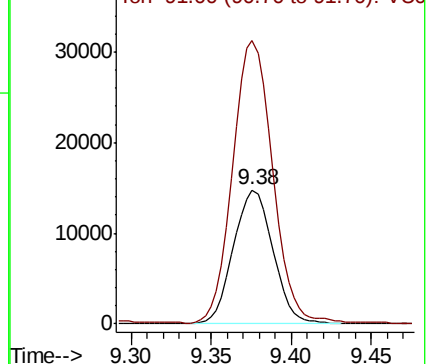
Ion Ratio Lower Upper

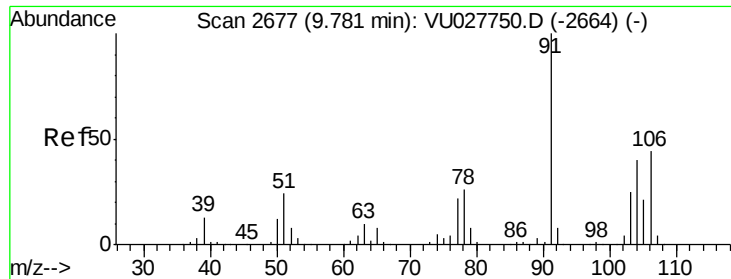
106 100

91 216.0 173.3 259.9



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

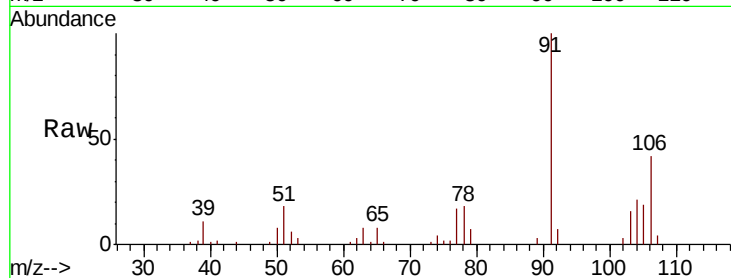




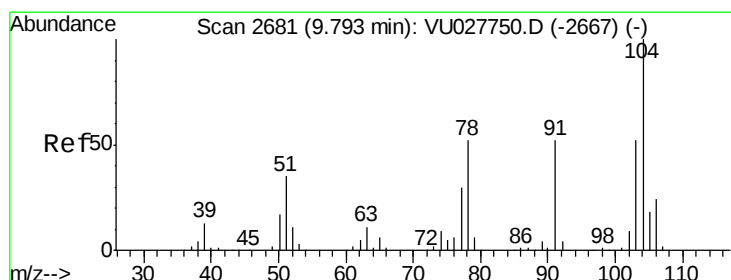
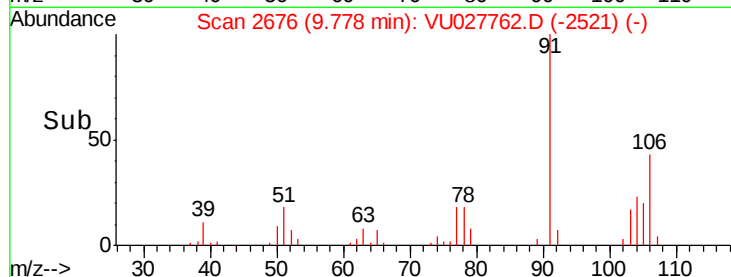
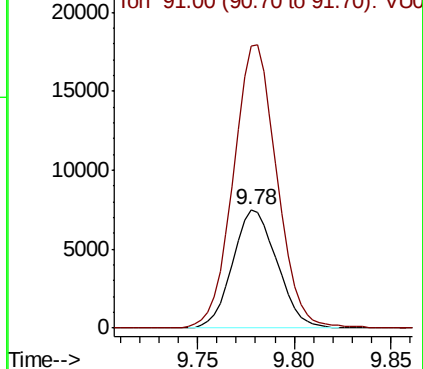
#65
o-Xylene
Concen: 1.924 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 11932
Ion Ratio Lower Upper
106 100
91 235.7 113.4 340.2

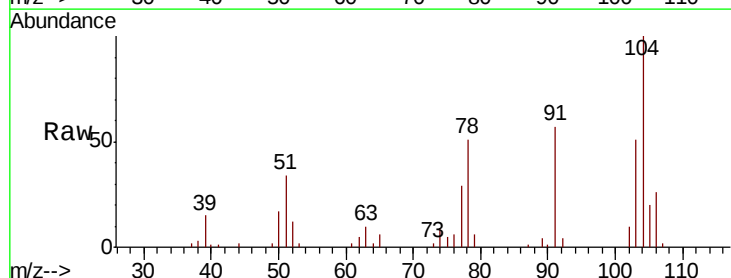


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

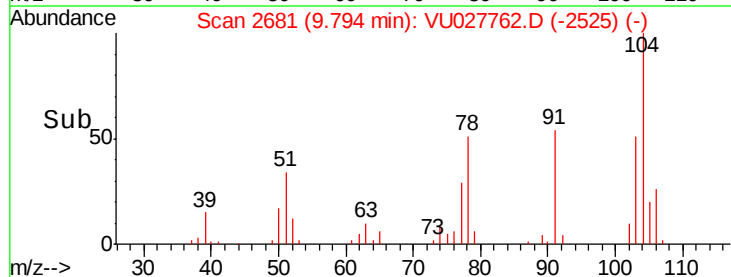
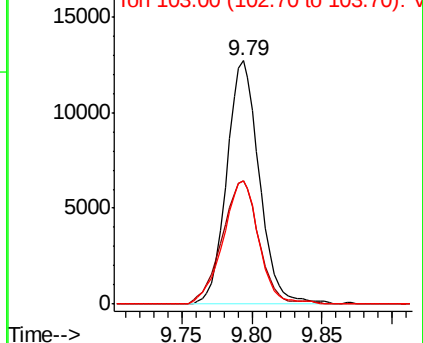


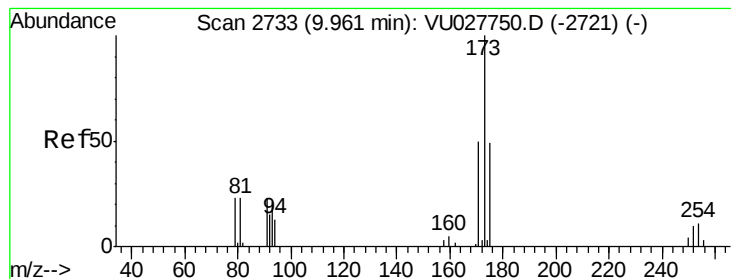
#66
Styrene
Concen: 2.002 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion:104 Resp: 20486
Ion Ratio Lower Upper
104 100
78 56.7 45.2 67.8
103 55.2 44.8 67.2



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





#67

Bromoform

Concen: 1.922 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :

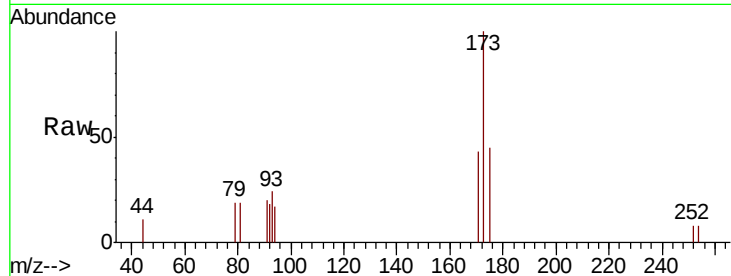
Tot Ion:173 Resp: 3509

Ion Ratio Lower Upper

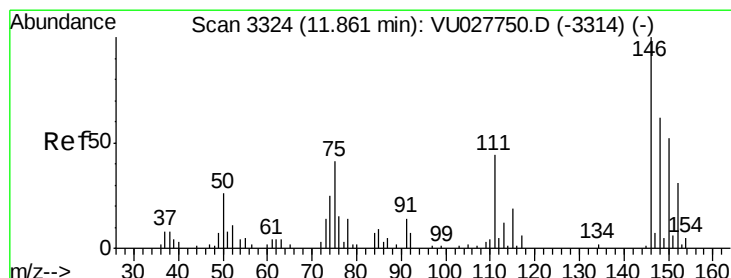
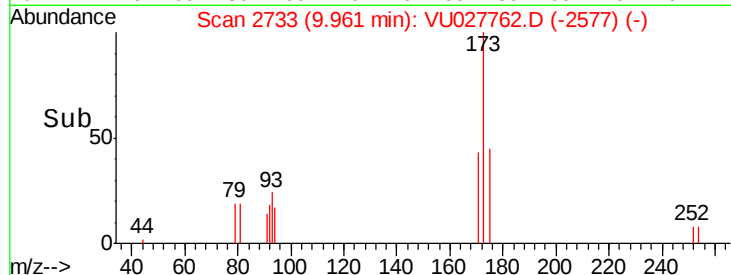
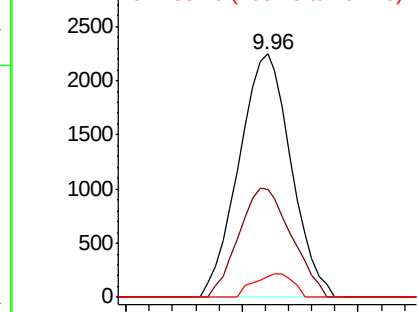
173 100

175 45.3 39.6 59.4

254 7.1 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: 1.922 ug/l

RT: 11.86 min Scan# 3324

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

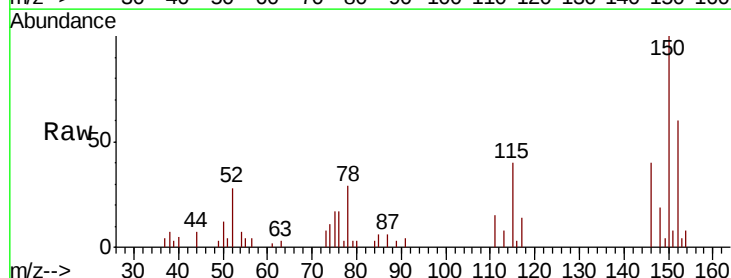
Tgt Ion:152 Resp: 4343

Ion Ratio Lower Upper

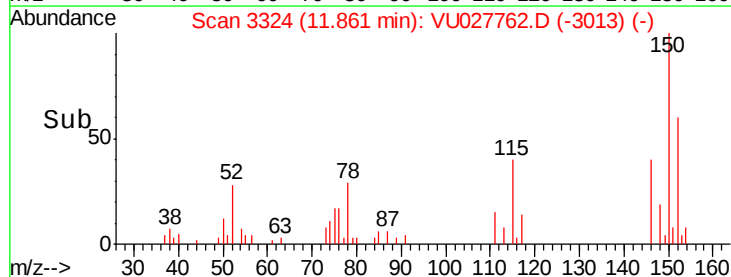
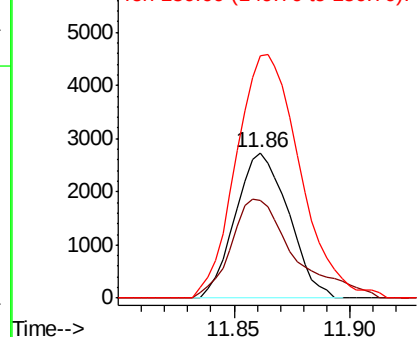
152 100

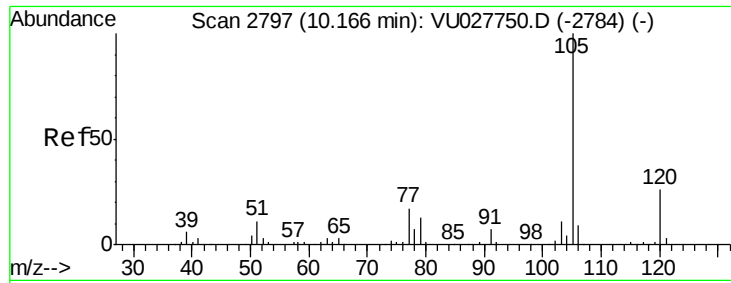
115 81.0 0.0 130.2

150 201.9 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: 2.009 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

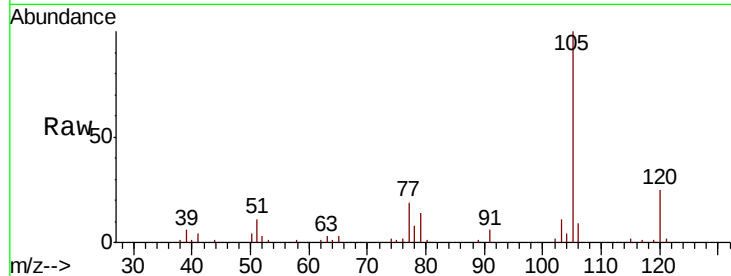
ClientSampleId :

Tot Ion:105 Resp: 34094

Ion Ratio Lower Upper

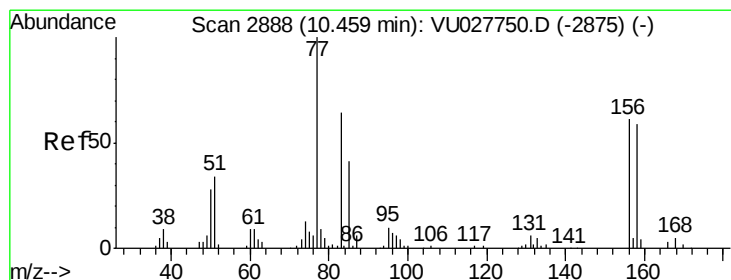
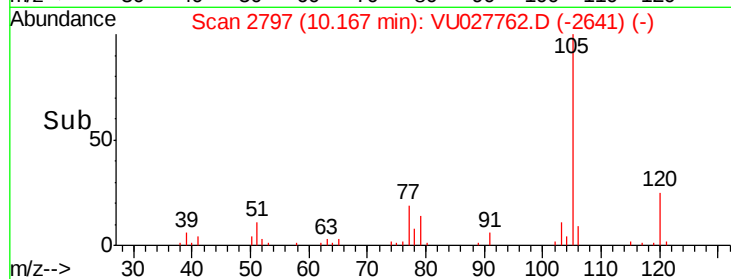
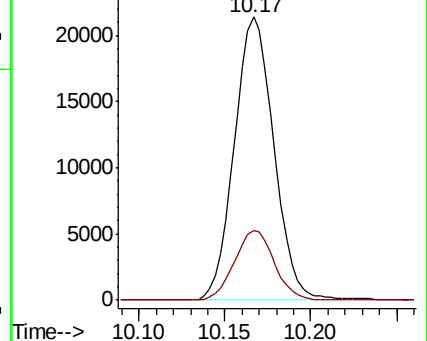
105 100

120 24.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.764 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

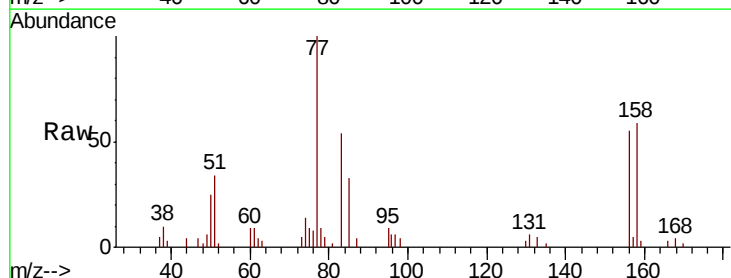
Tgt Ion: 83 Resp: 5882

Ion Ratio Lower Upper

83 100

131 10.1 7.7 11.5

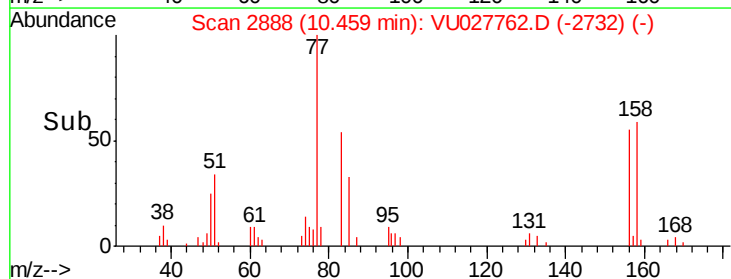
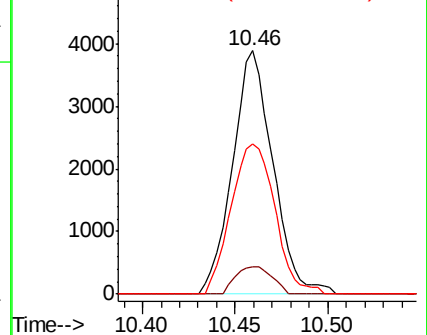
85 67.0 51.2 76.8

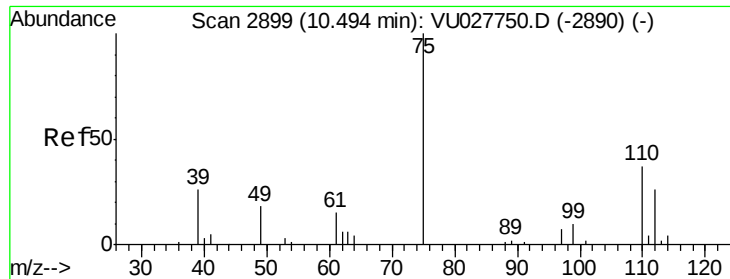


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

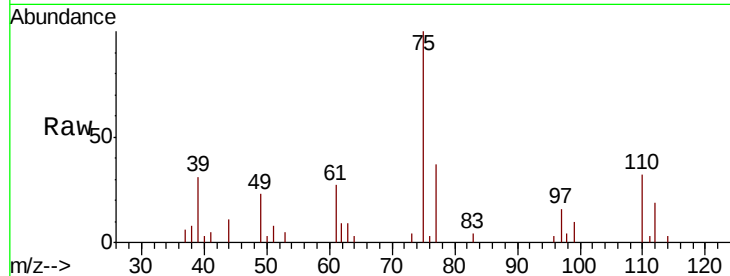




#71
 1,2,3-Trichloropropane
 Concen: 1.740 ug/l
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	75	Resp:	4509
Ion	Ratio	Lower	Upper
75	100		
77	59.1	0.0	0.0#
110	37.2	0.0	68.2
97	19.2	0.0	35.2



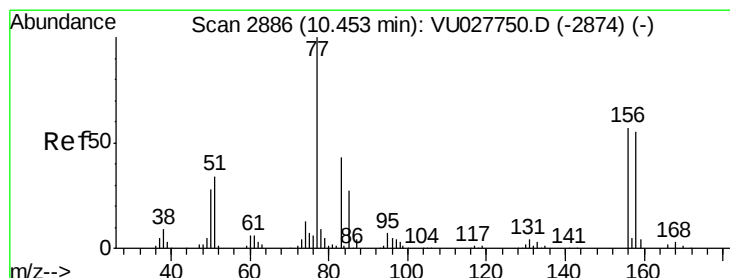
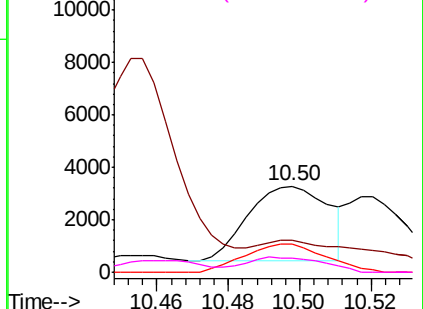
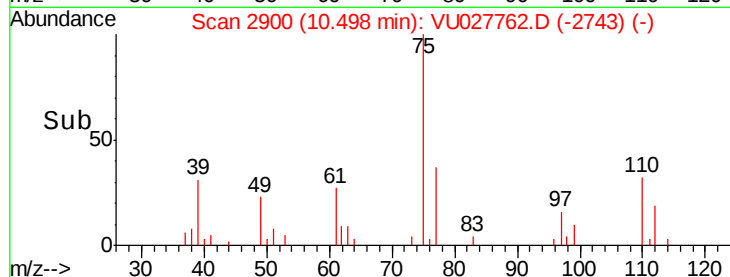
Abundance

Ion 75.00 (74.70 to 75.70): VU027750.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027750.D (-2890) (-)

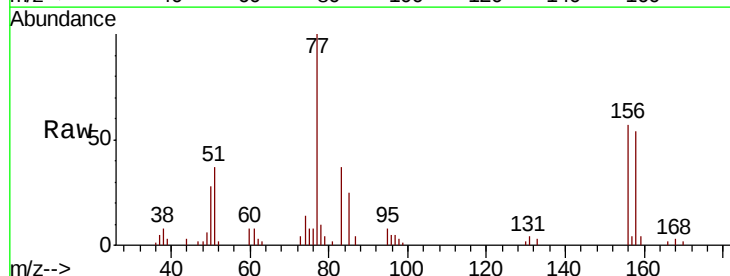
Ion 110.00 (109.70 to 110.70): VU027750.D (-2890) (-)

Ion 97.00 (96.70 to 97.70): VU027750.D (-2890) (-)



#72
 Bromobenzene
 Concen: 2.018 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion:	156	Resp:	7632
Ion	Ratio	Lower	Upper
156	100		
77	176.9	0.0	349.4
158	96.7	0.0	191.4

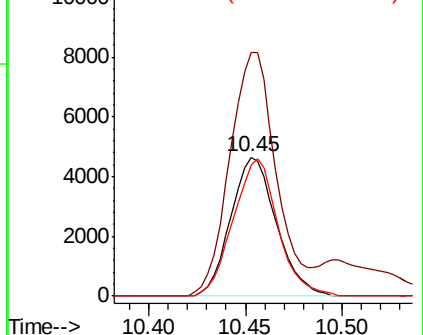
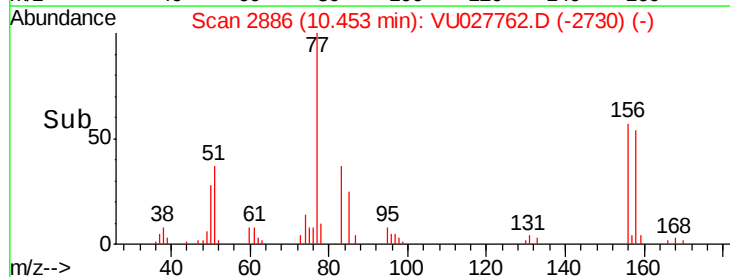


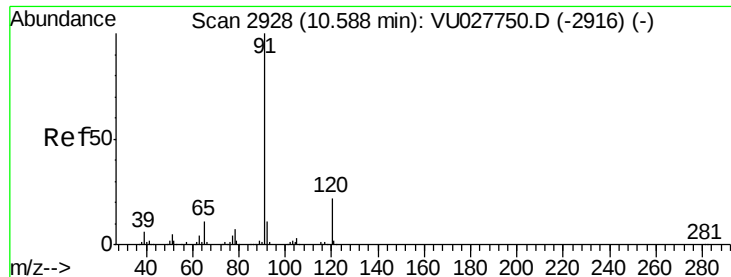
Abundance

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: 2.038 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

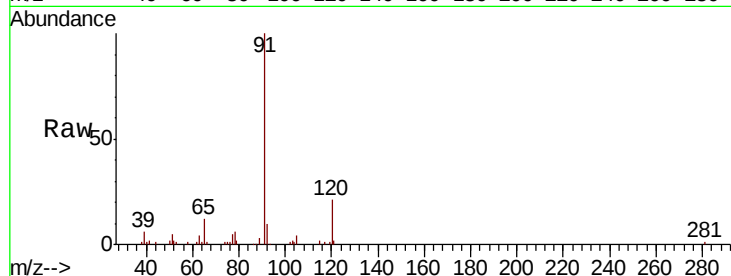
ClientSampleId :

Tot Ion:120 Resp: 8922

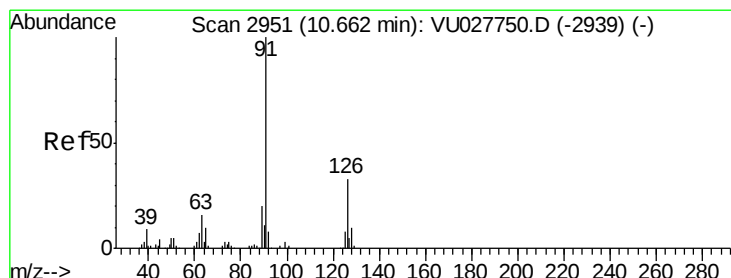
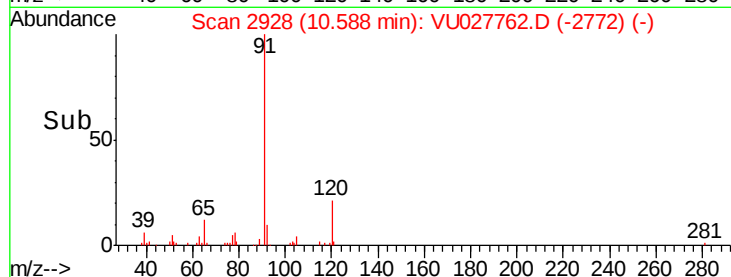
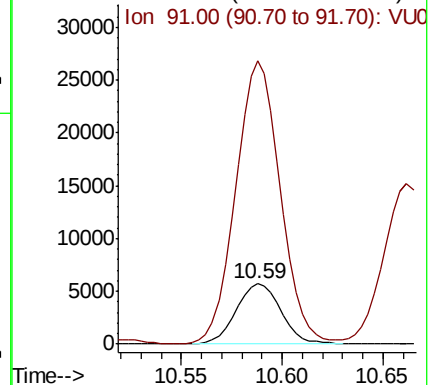
Ion Ratio Lower Upper

120 100

91 465.2 369.0 553.6



Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 1.982 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027762.D

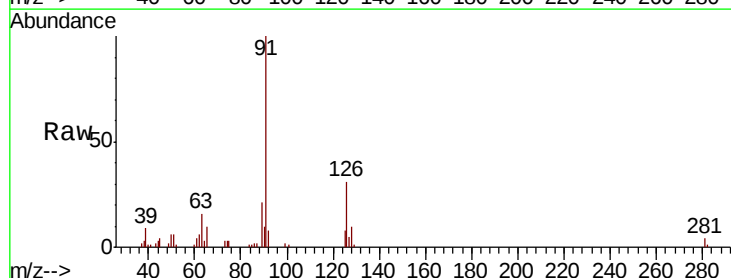
Acq: 23 Oct 2018 14:01

Tgt Ion:126 Resp: 7430

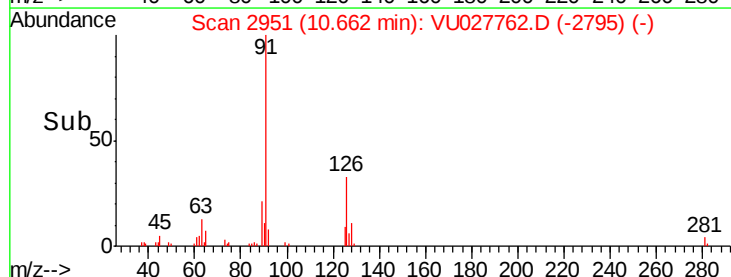
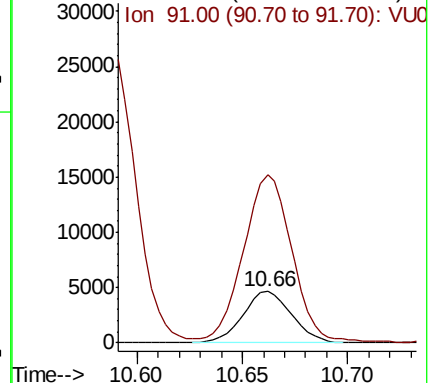
Ion Ratio Lower Upper

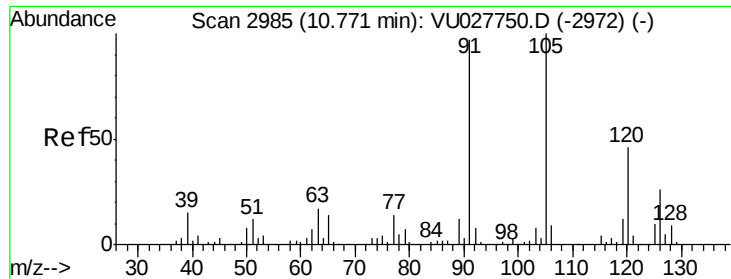
126 100

91 331.1 0.0 628.8



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 1.978 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

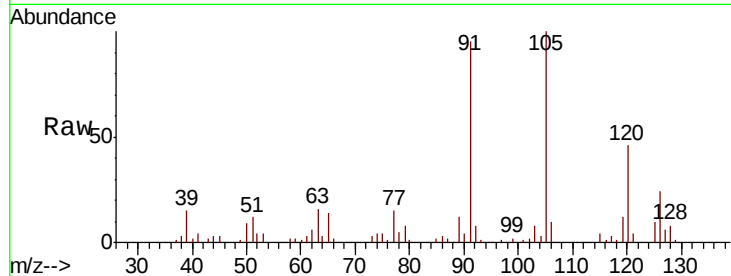
ClientSampled :

Tot Ion:105 Resp: 28010

Ion Ratio Lower Upper

105 100

120 45.9 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

20000

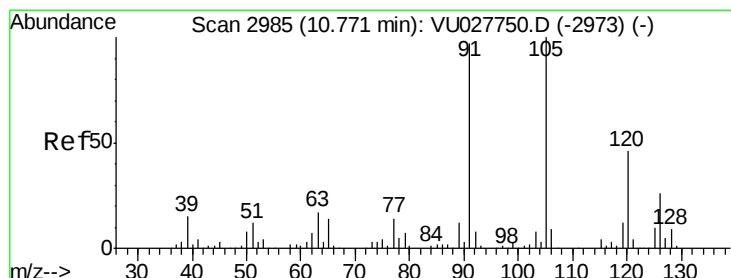
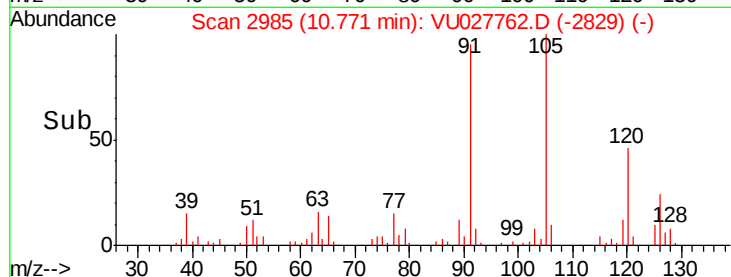
15000

10000

5000

0

Time--> 10.70 10.75 10.80 10.85



#76

4-Chlorotoluene

Concen: 1.952 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027762.D

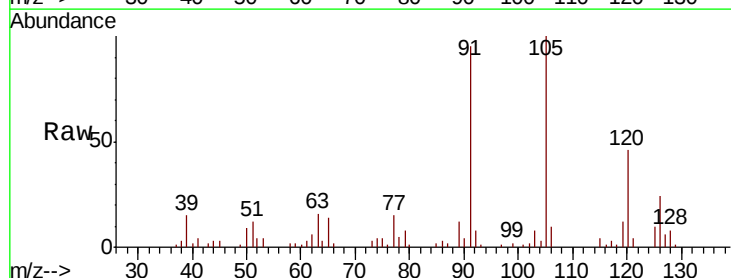
Acq: 23 Oct 2018 14:01

Tgt Ion:126 Resp: 7414

Ion Ratio Lower Upper

126 100

91 377.4 0.0 734.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

20000

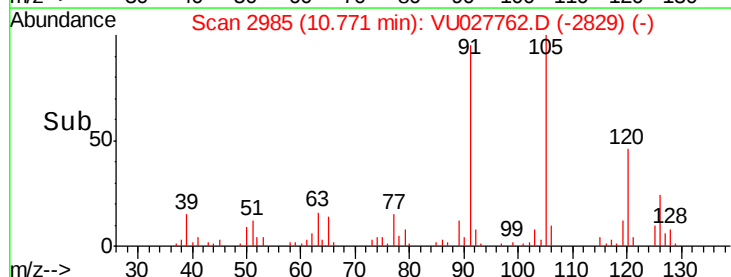
15000

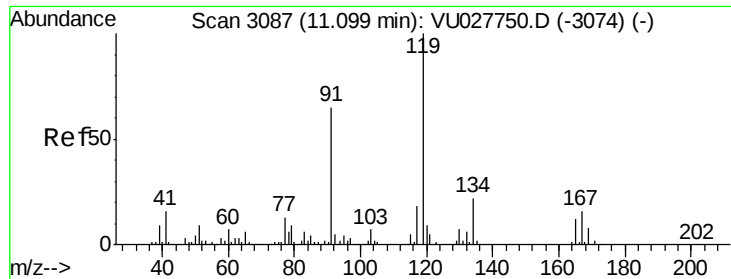
10000

5000

0

Time--> 10.70 10.75 10.80





#77

tert-Butylbenzene

Concen: 1.985 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

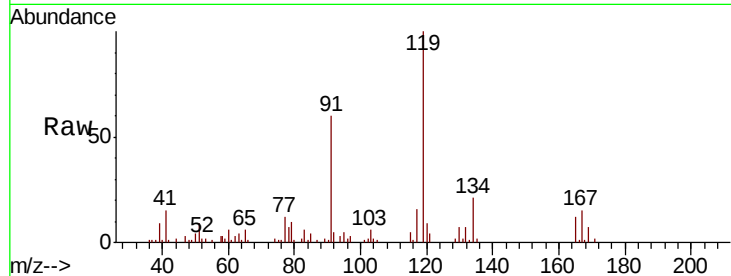
Tot Ion:119 Resp: 27655

Ion Ratio Lower Upper

119 100

91 62.2 31.8 95.4

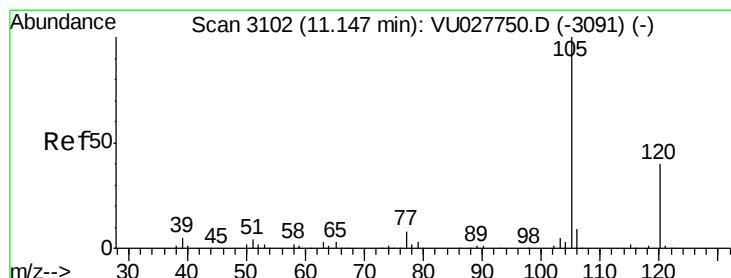
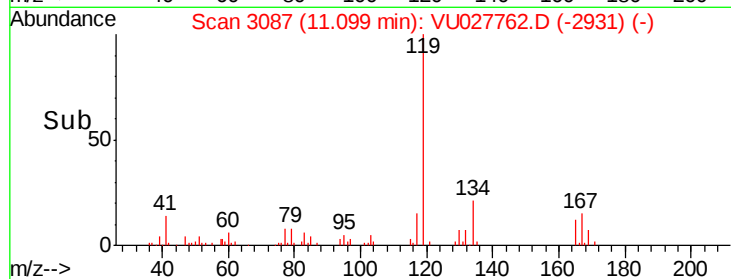
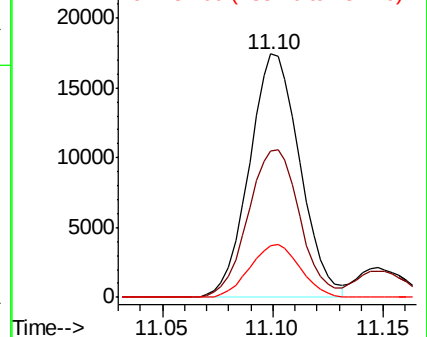
134 21.5 17.7 26.5



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: 2.004 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027762.D

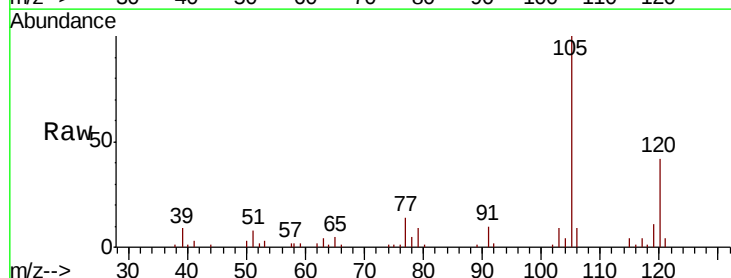
Acq: 23 Oct 2018 14:01

Tgt Ion:105 Resp: 29169

Ion Ratio Lower Upper

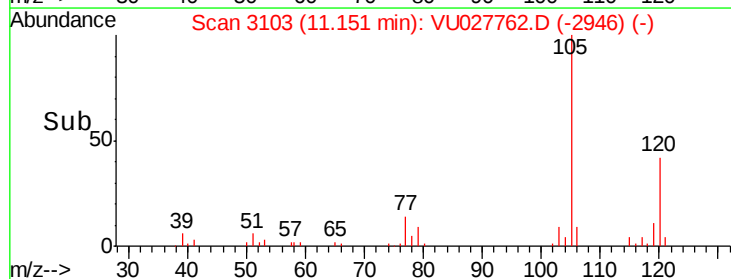
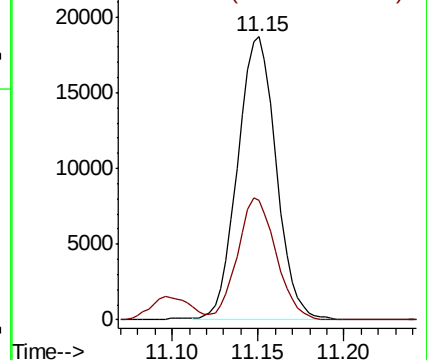
105 100

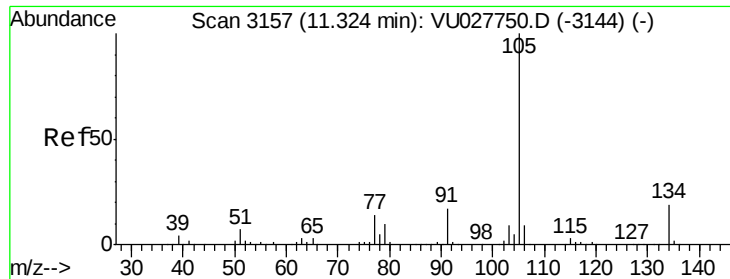
120 42.9 21.6 64.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.996 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

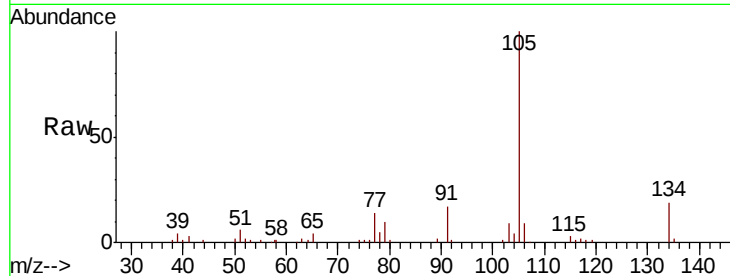
ClientSampled :

Tot Ion: 105 Resp: 36827

Ion Ratio Lower Upper

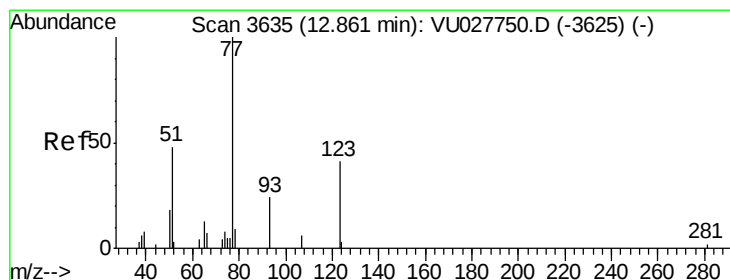
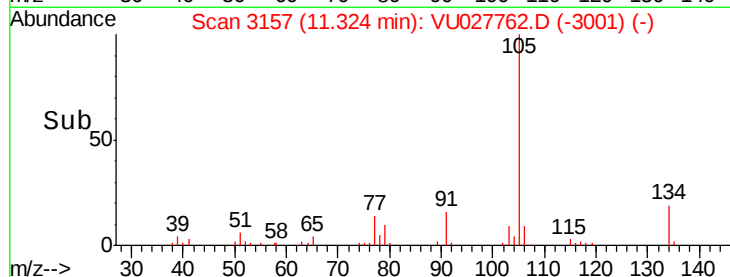
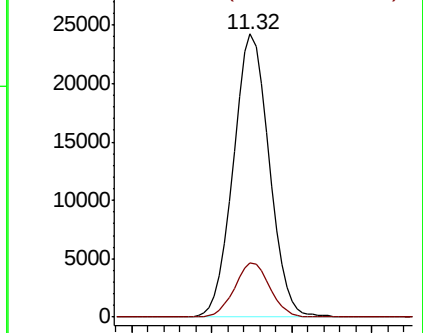
105 100

134 18.8 15.2 22.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 7.861 ug/l

RT: 12.87 min Scan# 3637

Delta R.T. 0.01 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

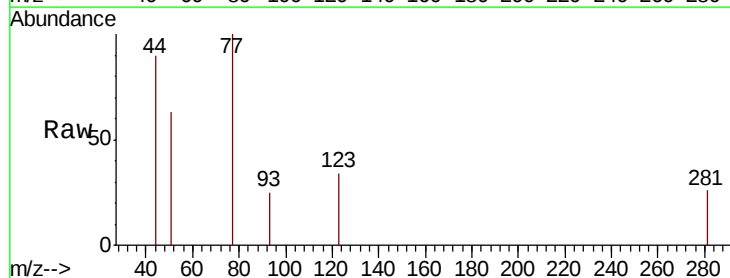
Tgt Ion: 77 Resp: 969

Ion Ratio Lower Upper

77 100

123 31.1 16.9 59.9

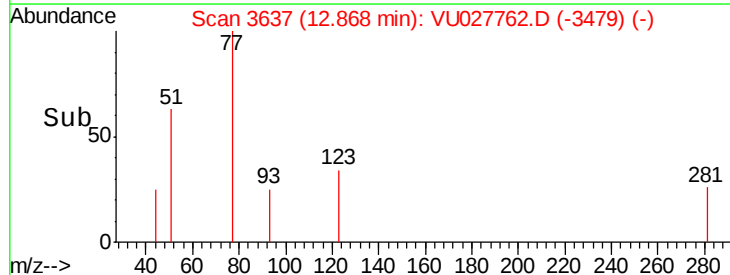
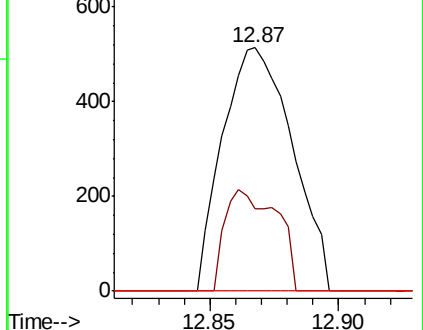
65 0.0 13.1 16.7#

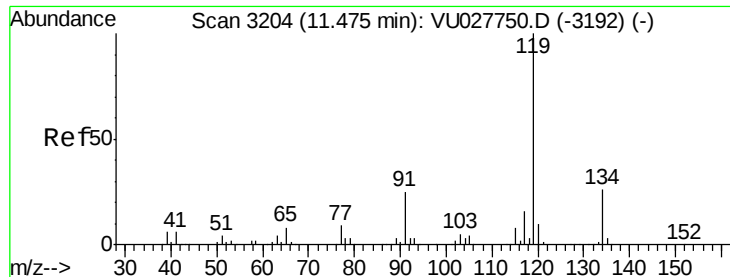


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

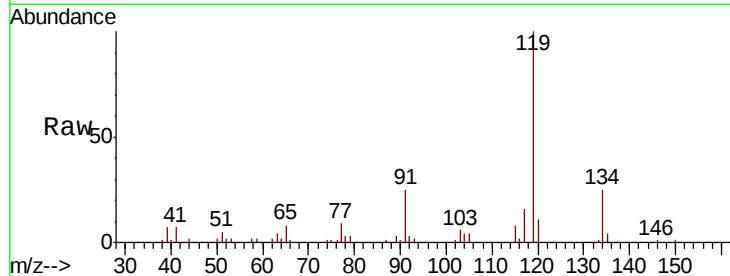




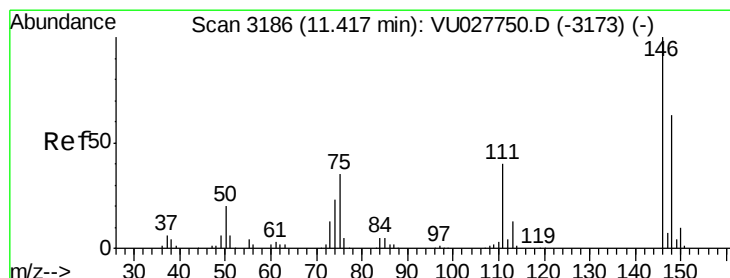
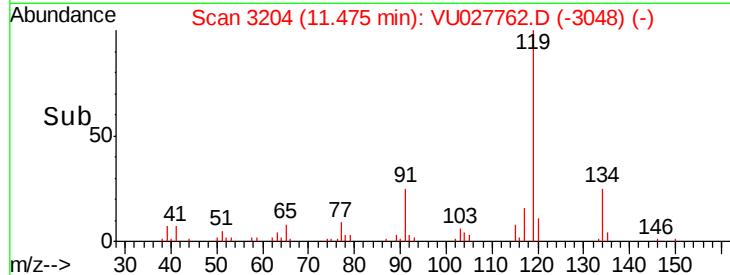
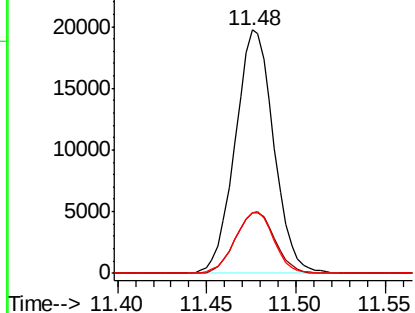
#81
 p-Isopropyltoluene
 Concen: 1.973 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 29750
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.3 30.5
 91 25.2 20.2 30.4

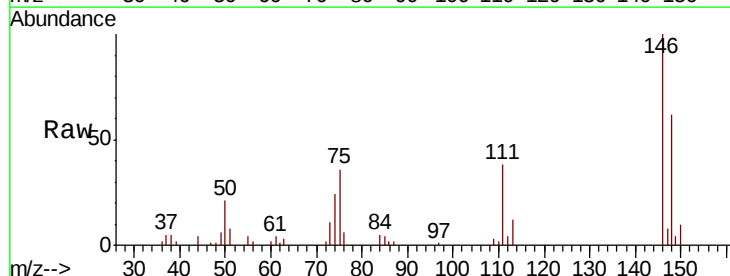


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

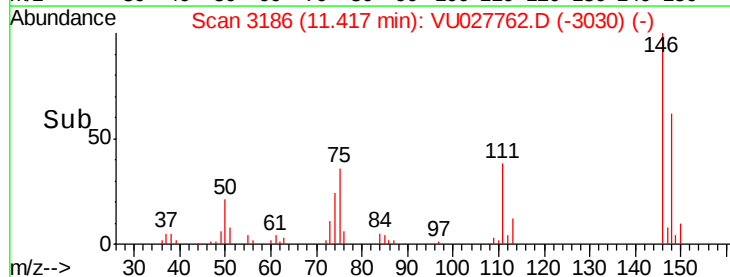
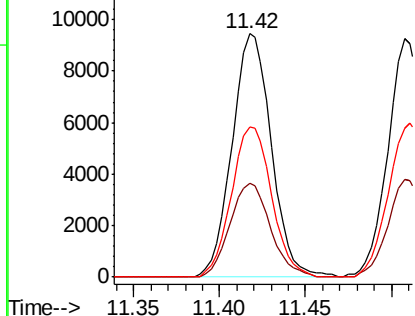


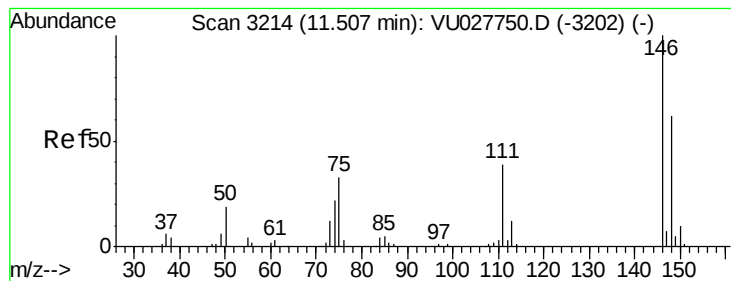
#82
 1,3-Dichlorobenzene
 Concen: 2.003 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion:146 Resp: 14987
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.7 49.1
 148 62.9 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: 1.950 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

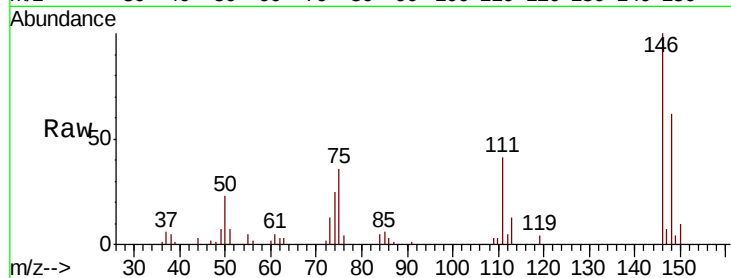
Tot Ion:146 Resp: 14619

Ion Ratio Lower Upper

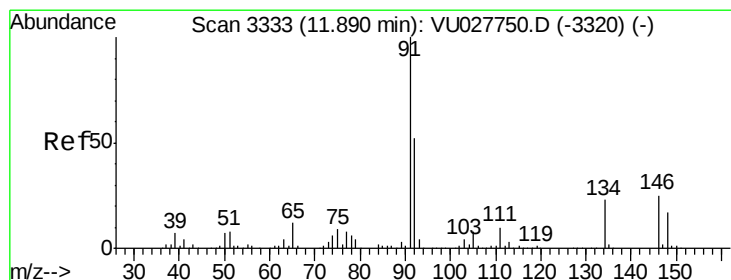
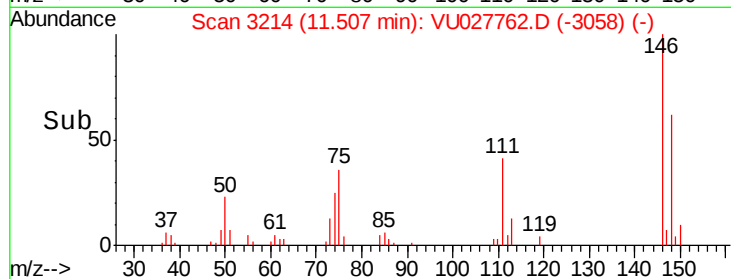
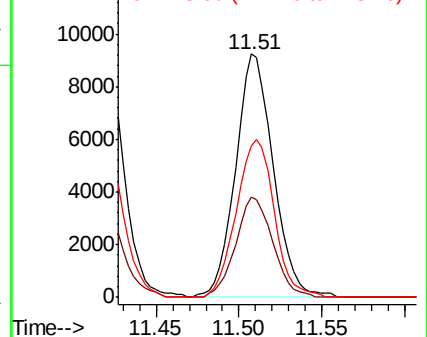
146 100

111 40.7 32.0 48.0

148 65.2 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: 1.997 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

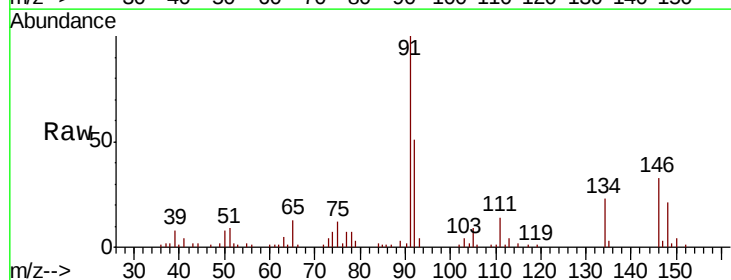
Tgt Ion: 91 Resp: 29255

Ion Ratio Lower Upper

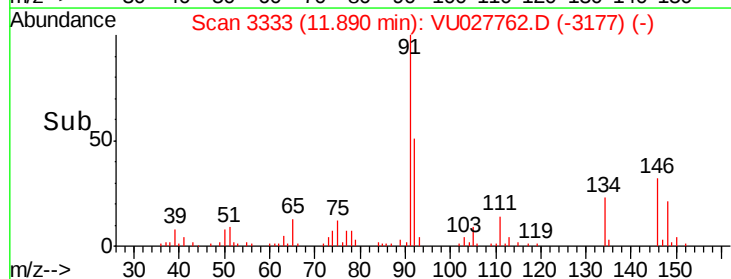
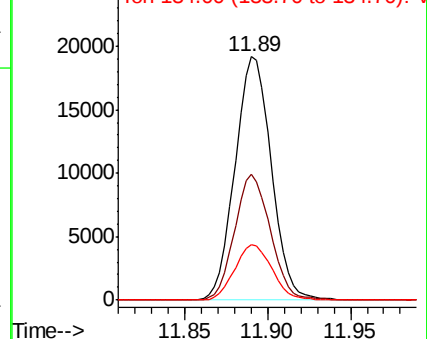
91 100

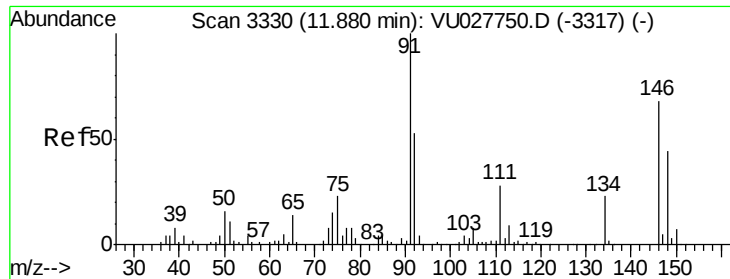
92 50.8 42.1 63.1

134 23.2 18.6 28.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

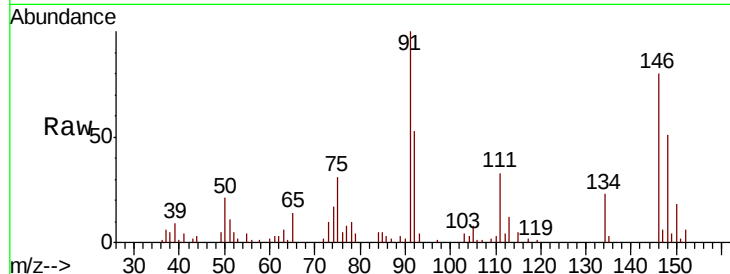




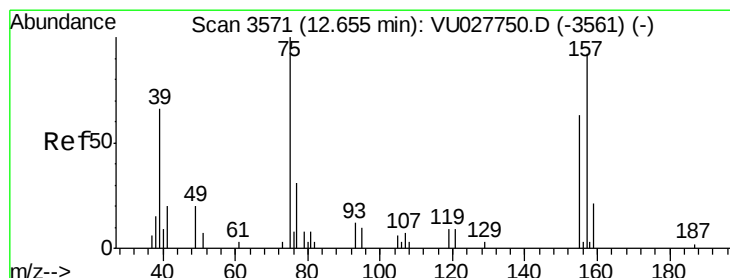
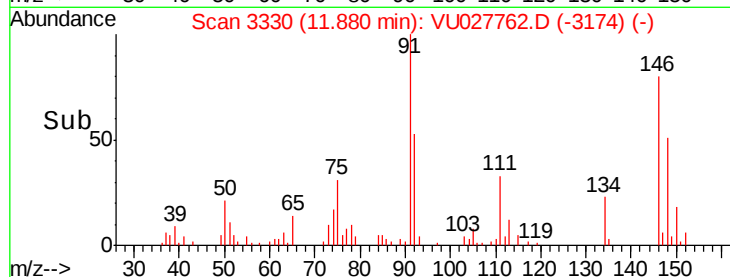
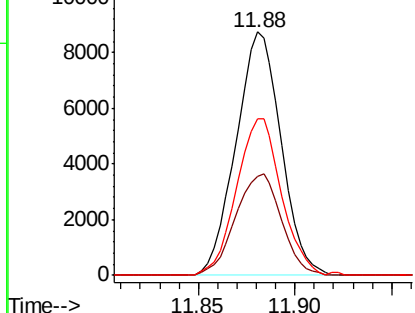
#85
 1,2-Dichlorobenzene
 Concen: 1.985 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 14174
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.2 63.6
 148 63.8 32.2 96.6

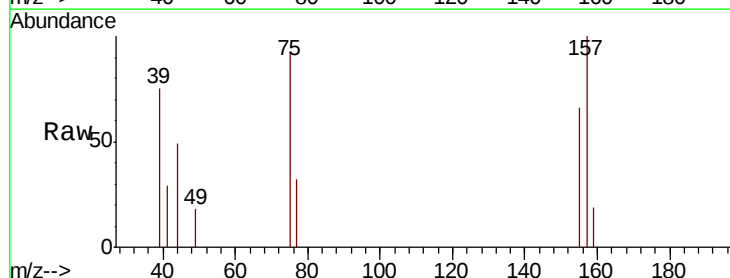


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

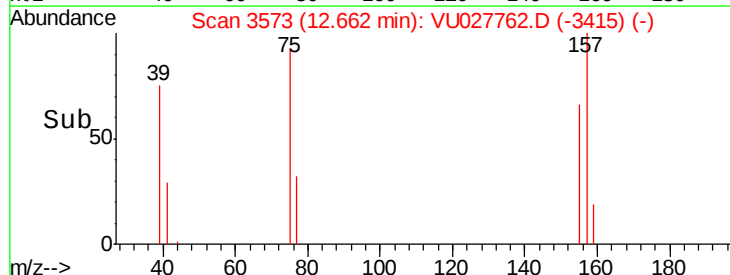
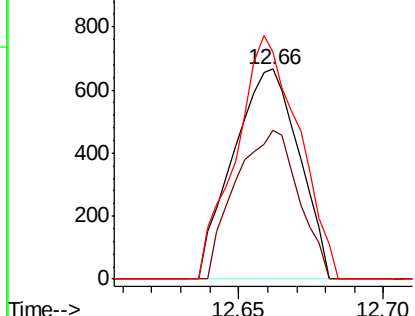


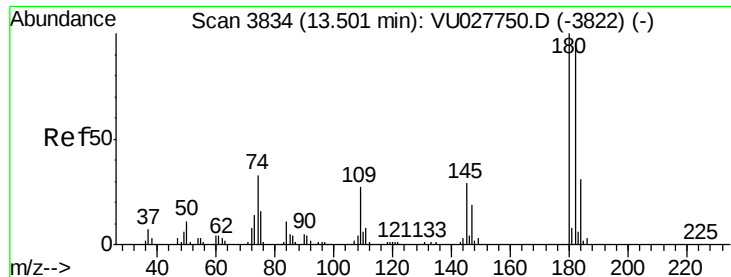
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.695 ug/l
 RT: 12.66 min Scan# 3573
 Delta R.T. 0.01 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion: 75 Resp: 1050
 Ion Ratio Lower Upper
 75 100
 155 68.0 55.5 83.3
 157 110.7 71.0 106.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

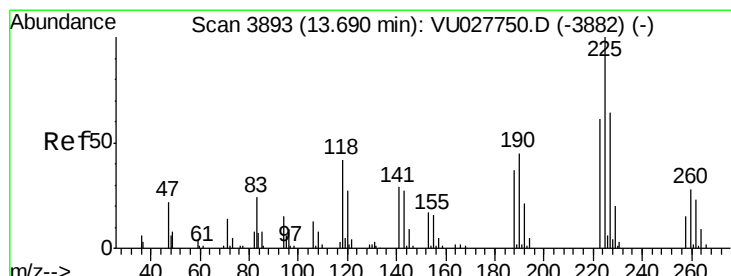
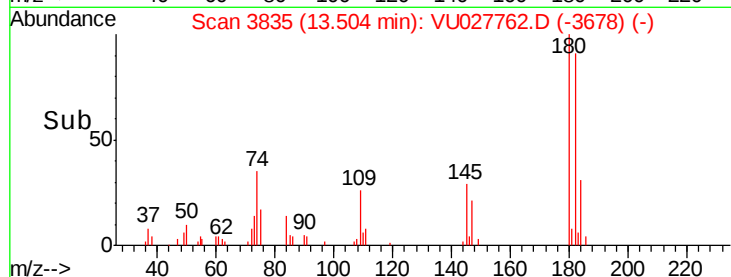
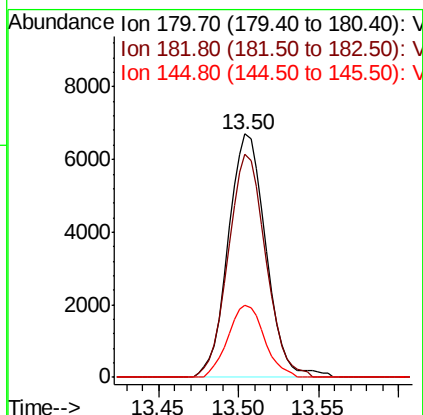
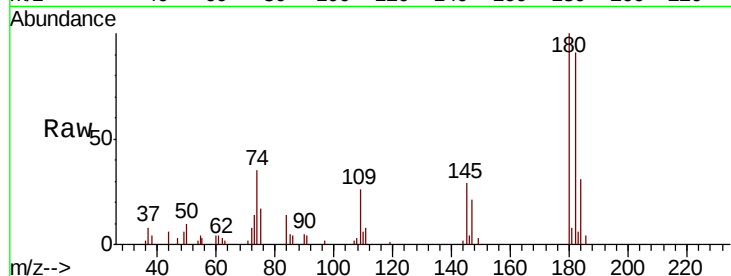




#87
 1,2,4-Trichlorobenzene
 Concen: 2.069 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

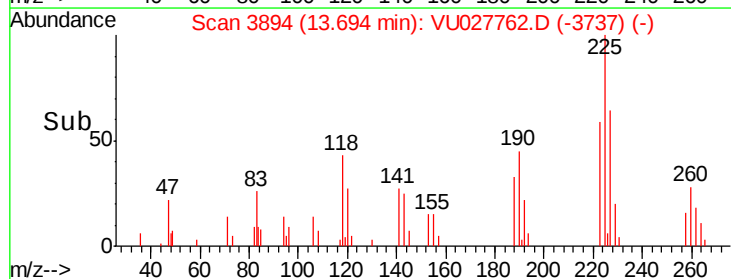
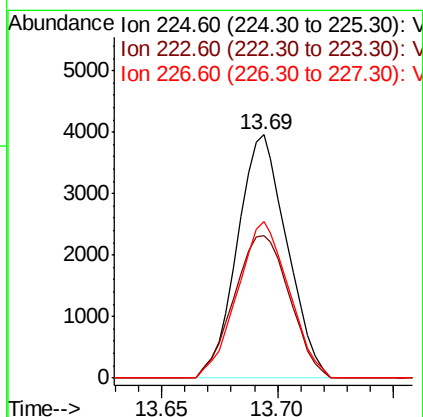
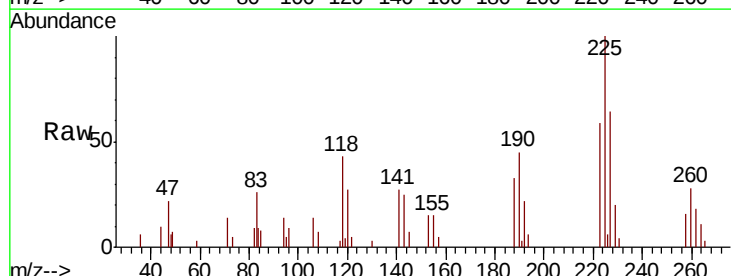
Instrument :
 MSVOA_U
 ClientSampled :

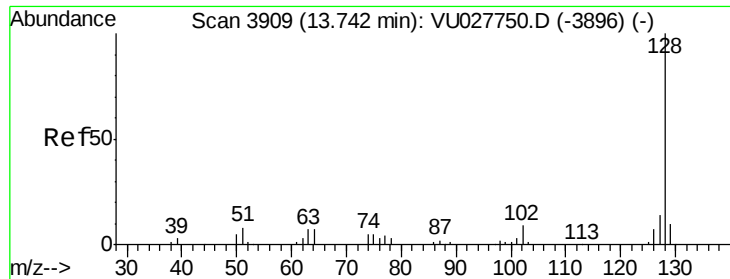
Tot Ion:180 Resp: 10734
 Ion Ratio Lower Upper
 180 100
 182 91.1 75.9 113.9
 145 28.5 23.6 35.4



#88
 Hexachlorobutadiene
 Concen: 1.891 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion:225 Resp: 5886
 Ion Ratio Lower Upper
 225 100
 223 65.5 49.6 74.4
 227 66.6 51.1 76.7

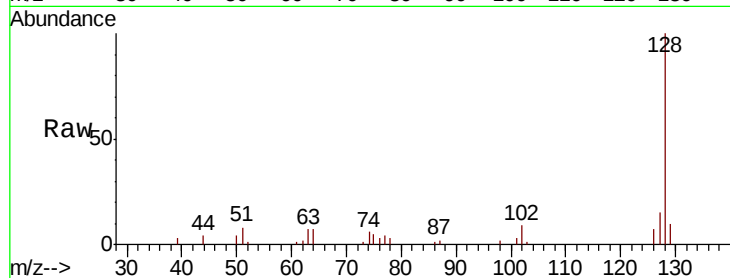




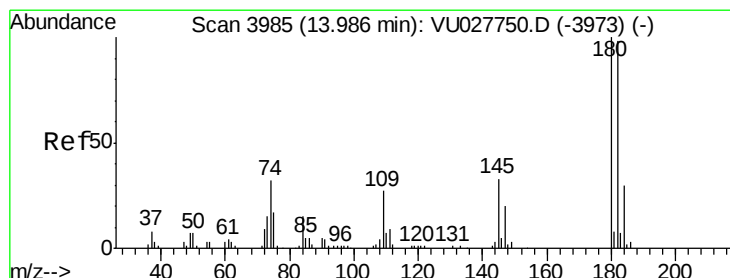
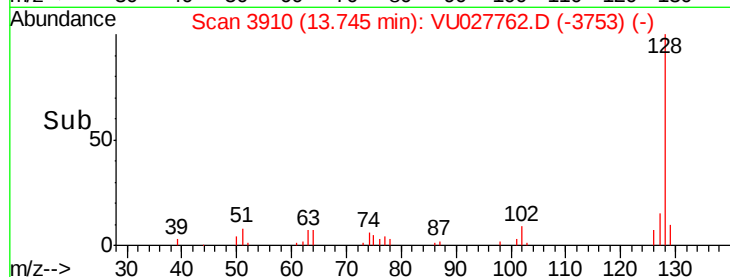
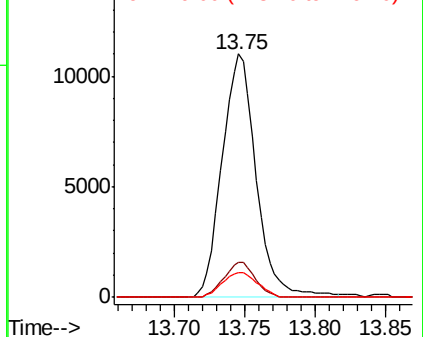
#89
Naphthalene
Concen: 1.907 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 18578
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.5 8.5 12.7

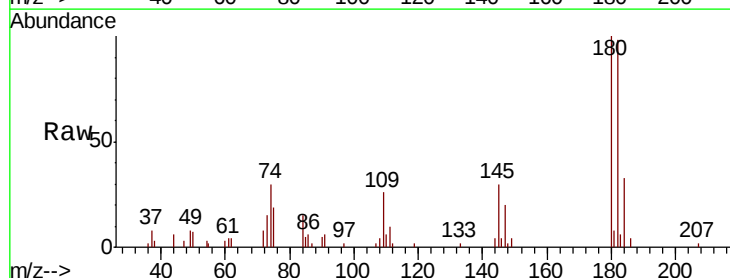


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 1.972 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion:180 Resp: 9739
Ion Ratio Lower Upper
180 100
182 93.8 77.0 115.6
145 29.9 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

