

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026218.D
 Acq On : 20 Aug 2018 19:34
 Operator : MD/SY
 Sample : VU0820WBS02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 21 07:43:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	32864	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	11446	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13432	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	28094	2.198	ug/l	100
3) Chloromethane	1.33	50	23274	2.133	ug/l	99
4) Vinyl Chloride	1.40	62	23122	2.119	ug/l	100
5) Bromomethane	1.63	94	15642	2.608	ug/l	98
6) Chloroethane	1.70	64	13676	2.093	ug/l	98
7) Trichlorofluoromethane	1.89	101	33842	2.099	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	19015	2.127	ug/l	99
9) 1,1-Dichloroethene	2.29	96	15604	2.044	ug/l	94
10) Iodomethane	2.41	142	20513	1.908	ug/l	92
11) Allyl Chloride	2.59	41	28764	2.241	ug/l	90
12) Acrylonitrile	2.94	53	6840	3.953	ug/l	94
13) Acetone	2.32	43	15468	9.945	ug/l	97
14) Carbon Disulfide	2.48	76	54638	2.071	ug/l	99
15) Methylene Chloride	2.70	84	18753	1.994	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	18027	2.041	ug/l	94
17) 1,1-Dichloroethane	3.45	63	36345	2.249	ug/l	96
18) 2-Butanone	4.28	43	26267	10.605	ug/l	98
19) Cyclohexane	5.00	56	23365	1.967	ug/l	86
20) Methylcyclohexane	6.42	83	27315	1.964	ug/l	96
21) 2,2-Dichloropropane	4.23	77	32528	1.958	ug/l	97
22) cis-1,2-Dichloroethene	4.23	96	22137	2.065	ug/l	95
23) Diethyl Ether	2.10	59	12536	2.145	ug/l	97
24) tert-Butyl Alcohol	2.83	59	12551	20.984	ug/l #	81
25) Methyl tert-Butyl Ether	3.01	73	41785	2.100	ug/l	98
26) Bromochloromethane	4.55	128	10183	2.125	ug/l	78
27) Chloroform	4.68	83	39892	2.135	ug/l	100
28) 1,1,1-Trichloroethane	4.92	97	35432	2.133	ug/l	98
29) 1,1-Dichloropropene	5.14	75	26483	2.021	ug/l	98
30) Carbon Tetrachloride	5.14	117	33725	2.153	ug/l	99
31) Isopropyl Ether	3.58	45	54319	2.041	ug/l	92
32) Ethyl-t-butyl ether	4.08	59	45955	1.971	ug/l	94
33) Tert-Amyl methyl ether	5.59	73	39848	2.001	ug/l	99
34) Propionitrile	4.34	54	7250	10.277	ug/l #	89
35) Benzene	5.39	78	79175	2.091	ug/l	99
36) 1,2-Dichloroethane	5.41	62	25041	2.133	ug/l	98
37) Trichloroethene	6.19	130	21820	2.048	ug/l	100
38) 1,2-Dichloropropane	6.44	63	20277	2.067	ug/l	97
39) Methacrylonitrile	4.55	41	6176	2.074	ug/l	94
40) Methyl acrylate	4.43	55	9399	2.082	ug/l #	95
41) Tetrahydrofuran	4.65	42	6189	3.736	ug/l	92
42) 1-Chlorobutane	5.07	56	37718	2.128	ug/l	97

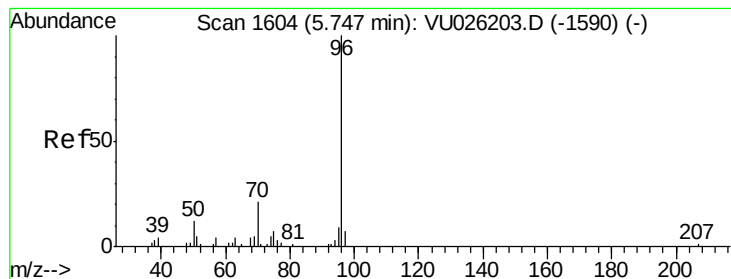
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	11318	2.172	ug/l	97
44) Bromodichloromethane	6.76	83	28223	2.098	ug/l	94
45) 4-Methyl-2-Pentanone	7.47	43	52999	10.034	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	23269	9.003	ug/l #	41
47) Methyl methacrylate	6.63	69	16496	4.143	ug/l	97
48) Ethyl methacrylate	8.02	69	14915	2.047	ug/l	97
49) Toluene	7.64	92	44203	2.044	ug/l	96
50) t-1,3-Dichloropropene	7.89	75	22660	1.975	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	27146	2.040	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	15633	2.212	ug/l	93
53) 1,3-Dichloropropane	8.25	76	23629	2.012	ug/l	97
54) 2-Hexanone	8.37	43	36751	9.772	ug/l	97
55) Dibromochloromethane	8.48	129	19838	2.100	ug/l	98
56) 1,2-Dibromoethane	8.59	107	14364	2.089	ug/l	99
58) Tetrachloroethene	8.23	164	21625	2.146	ug/l	92
59) Chlorobenzene	9.12	112	51690	2.064	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	21572	2.160	ug/l	99
61) Pentachloroethane	11.10	117	17078	2.004	ug/l	100
62) Hexachloroethane	12.15	117	17475	2.056	ug/l	95
63) Ethyl Benzene	9.25	91	77280	1.944	ug/l	100
64) m/p-Xylenes	9.38	106	62612	3.947	ug/l	99
65) o-Xylene	9.78	106	31221	2.064	ug/l	92
66) Styrene	9.80	104	52925	2.044	ug/l	99
67) Bromoform	9.96	173	11817	2.123	ug/l #	98
69) Isopropylbenzene	10.17	105	78988	1.975	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	18763	2.116	ug/l	97
71) 1,2,3-Trichloropropane	10.50	75	23269	3.666	ug/l #	76
72) Bromobenzene	10.45	156	22782	2.036	ug/l	95
73) n-propylbenzene	10.59	120	23082	1.974	ug/l	97
74) 2-Chlorotoluene	10.66	126	22615	2.143	ug/l	84
75) 1,3,5-Trimethylbenzene	10.77	105	72399	2.037	ug/l	99
76) 4-Chlorotoluene	10.77	126	22508	2.075	ug/l	100
77) tert-Butylbenzene	11.10	119	70519	1.992	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	74330	2.021	ug/l	100
79) sec-Butylbenzene	11.33	105	94538	2.038	ug/l	97
80) Nitrobenzene	12.86	77	3694	9.536	ug/l #	94
81) p-Isopropyltoluene	11.48	119	78415	1.999	ug/l	96
82) 1,3-Dichlorobenzene	11.42	146	49182	2.087	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	51028	2.168	ug/l	99
84) n-Butylbenzene	11.89	91	76484	2.014	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	45592	2.106	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3489	2.236	ug/l	85
87) 1,2,4-Trichlorobenzene	13.51	180	29095	1.911	ug/l	99
88) Hexachlorobutadiene	13.69	225	18945	2.034	ug/l	99
89) Naphthalene	13.74	128	42856	1.787	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	27916	1.947	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 32864

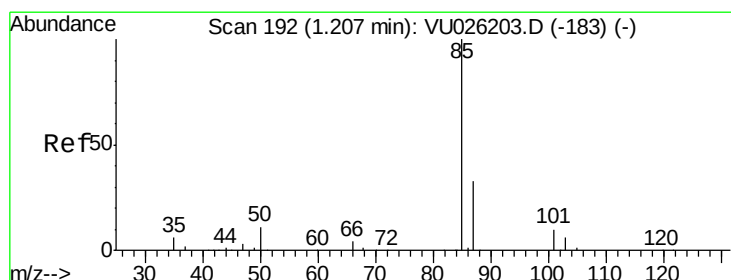
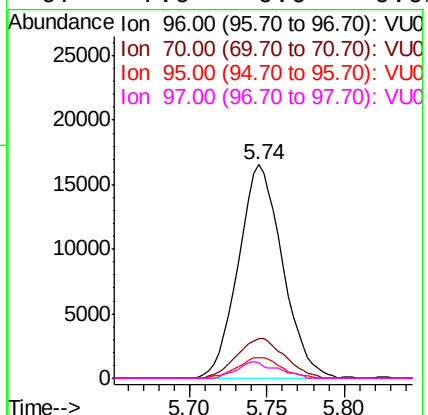
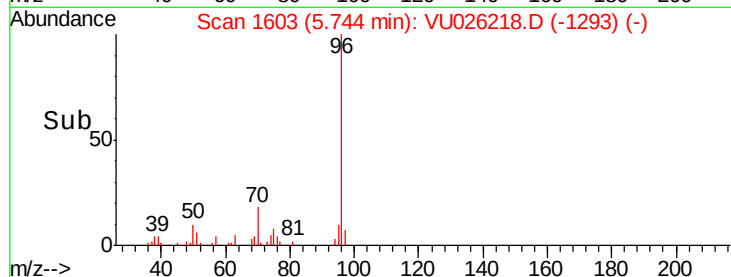
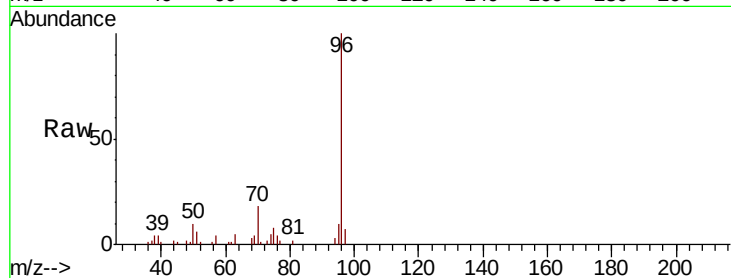
Ion Ratio Lower Upper

96 100

70 20.2 16.2 24.4

95 9.8 6.9 10.3

97 7.0 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 2.198 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026218.D

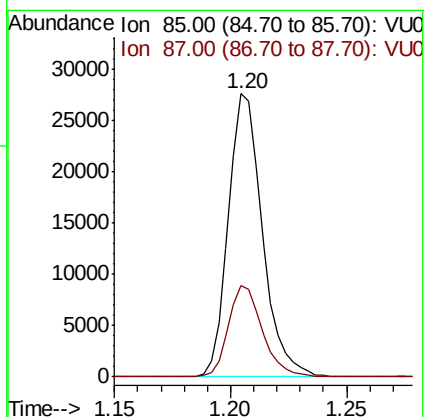
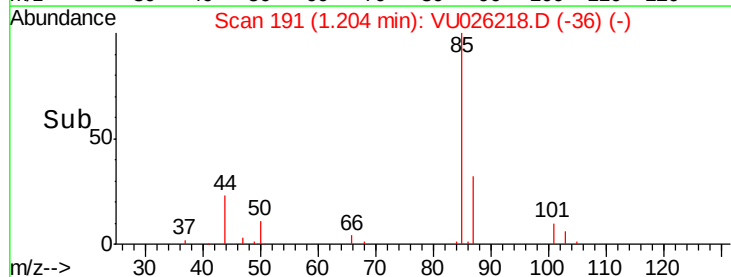
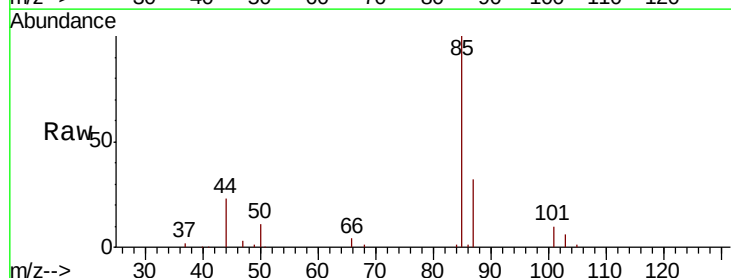
Acq: 20 Aug 2018 19:34

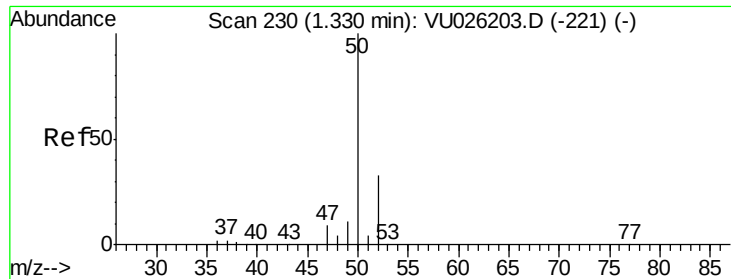
Tgt Ion: 85 Resp: 28094

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5

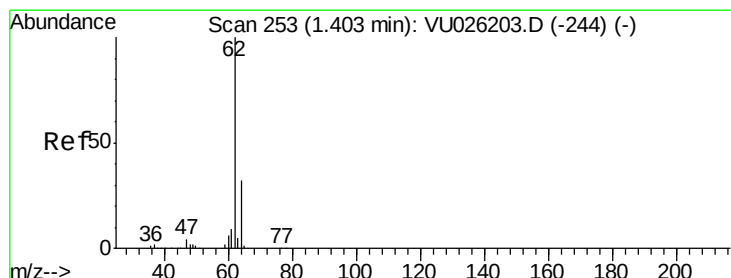
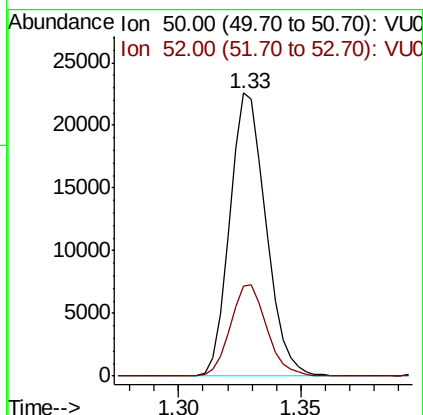
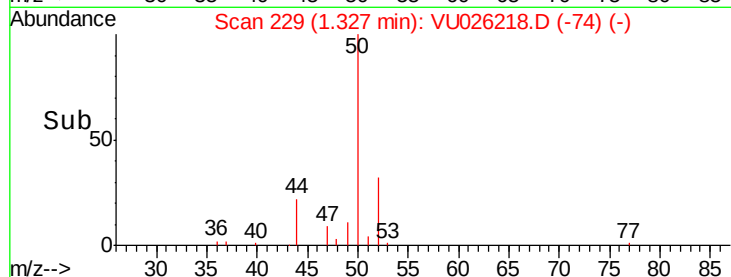
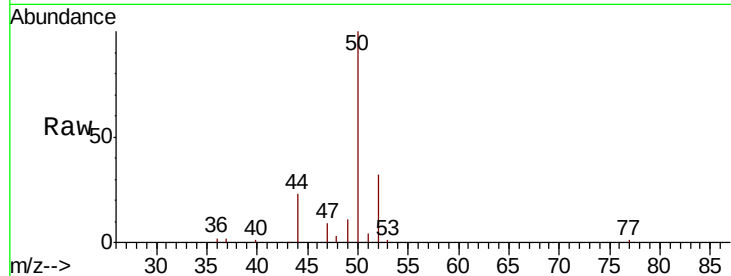




#3
Chloromethane
Concen: 2.133 ug/l
RT: 1.33 min Scan# 229
Delta R.T. -0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

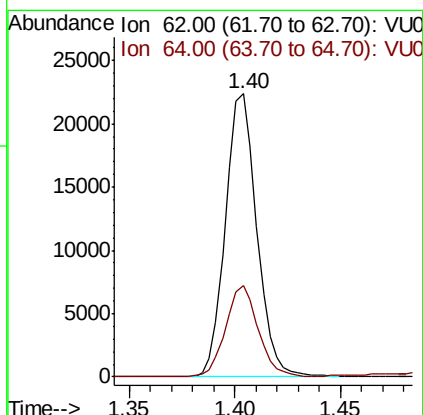
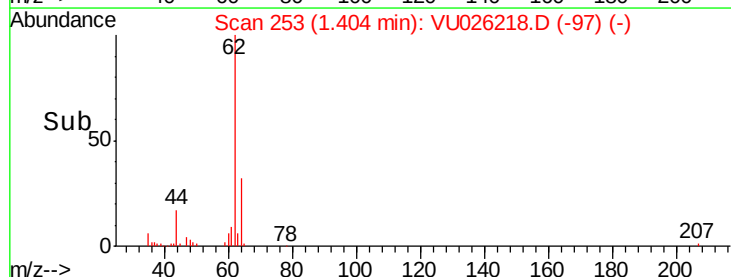
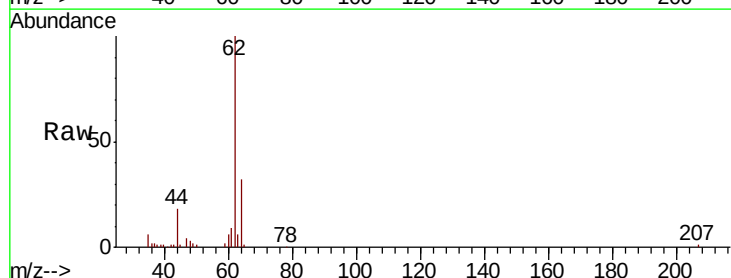
Instrument :
MSVOA_U
ClientSampleId :

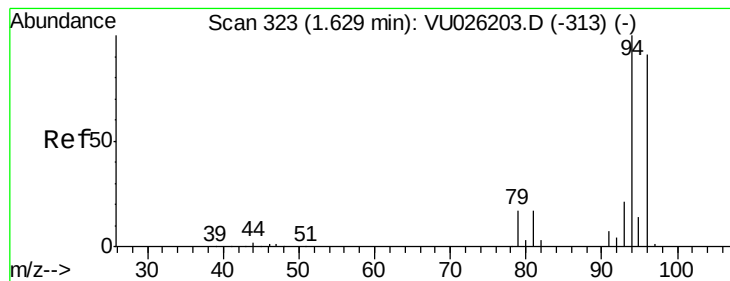
Tot Ion: 50 Resp: 23274
Ion Ratio Lower Upper
50 100
52 31.7 26.0 39.0



#4
Vinyl Chloride
Concen: 2.119 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion: 62 Resp: 23122
Ion Ratio Lower Upper
62 100
64 32.1 25.8 38.8





#5

Bromomethane

Concen: 2.608 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

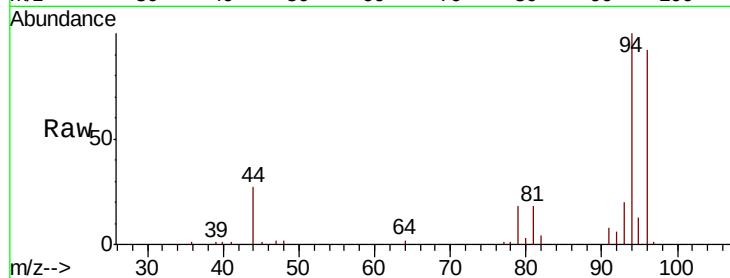
ClientSampled :

Tot Ion: 94 Resp: 15642

Ion Ratio Lower Upper

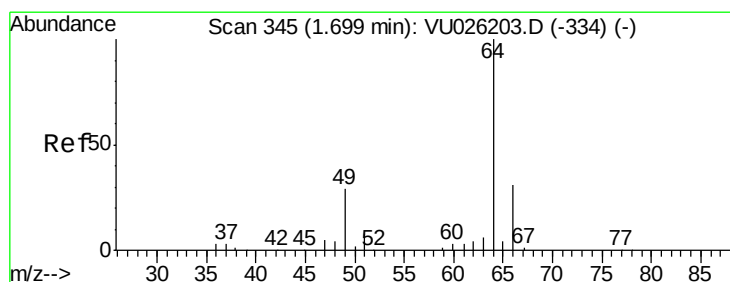
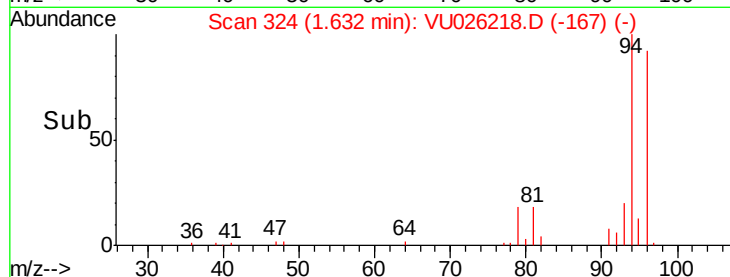
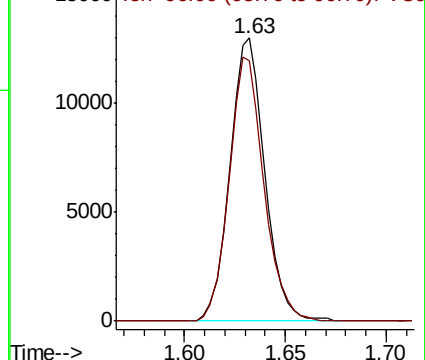
94 100

96 92.1 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 2.093 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026218.D

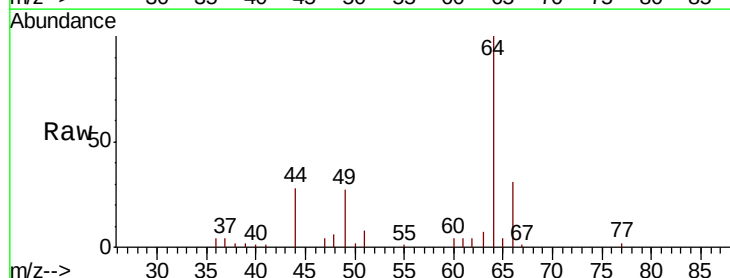
Acq: 20 Aug 2018 19:34

Tgt Ion: 64 Resp: 13676

Ion Ratio Lower Upper

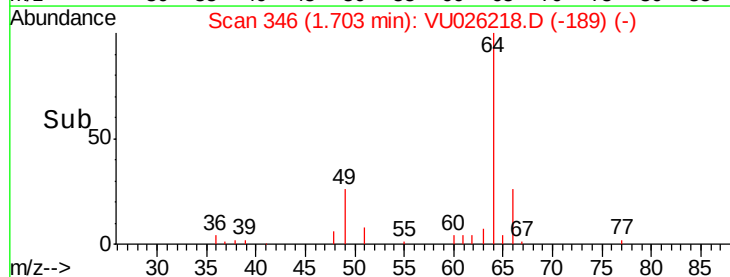
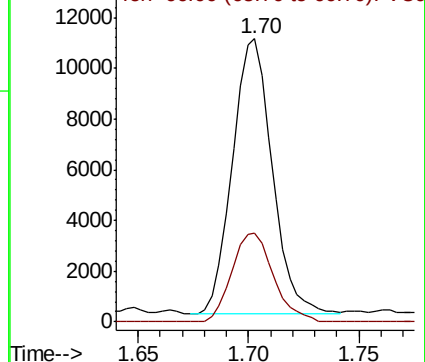
64 100

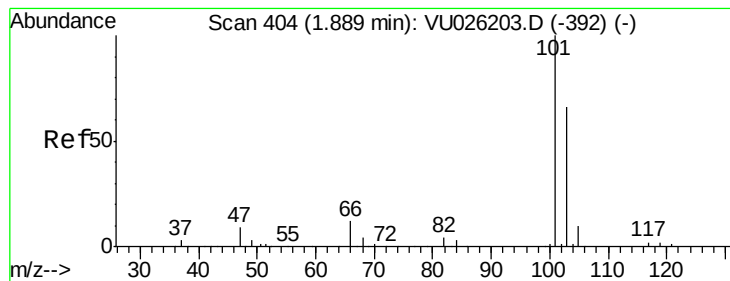
66 32.1 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



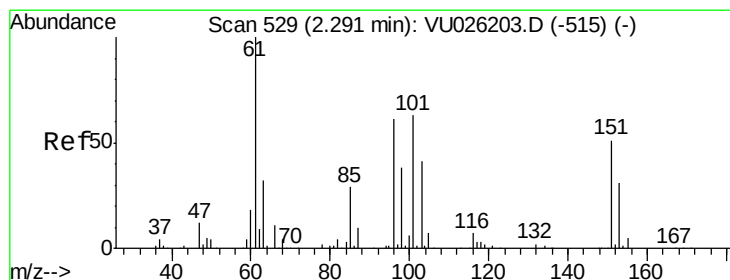
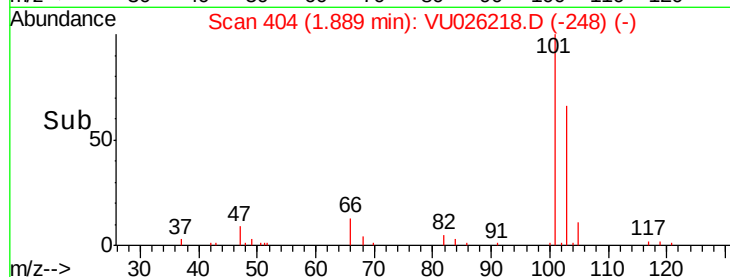
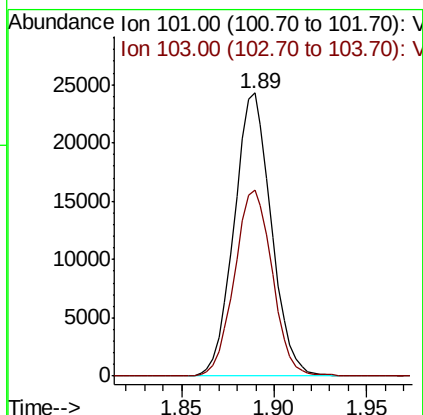
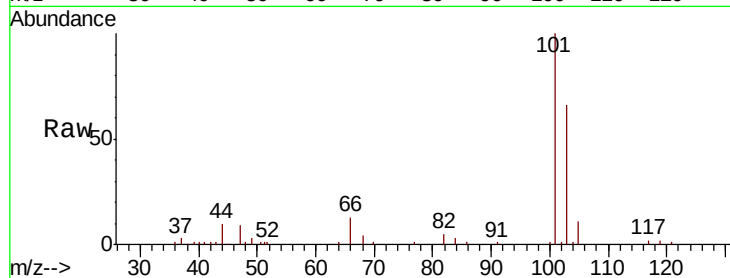


#7

Trichlorofluoromethane
 Concen: 2.099 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Instrument :
 MSVOA_U
 ClientSampleId :

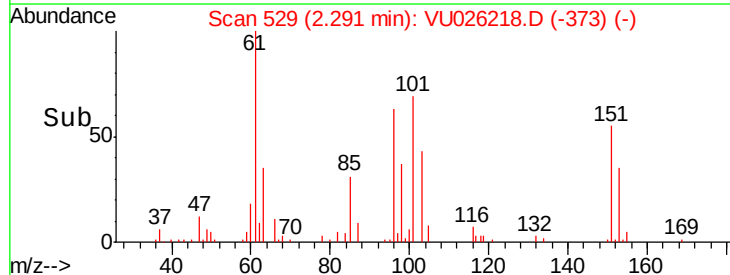
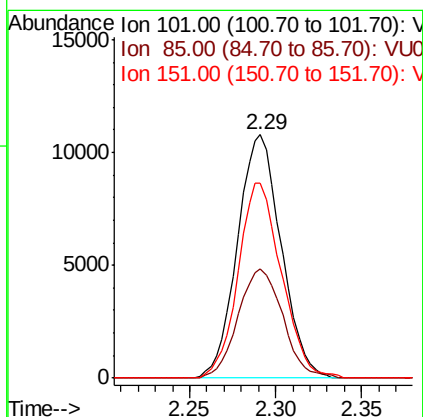
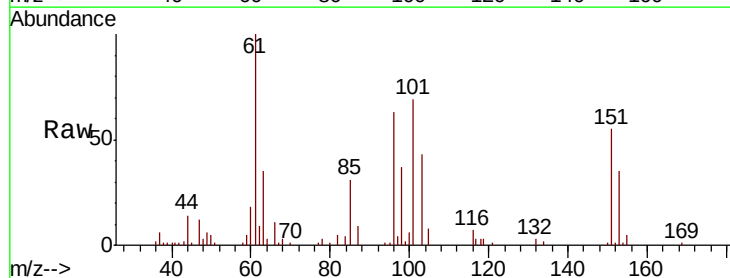
Tot Ion:101 Resp: 33842
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.4 77.0

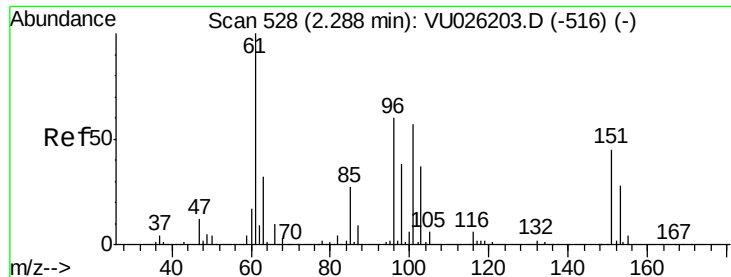


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.127 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion:101 Resp: 19015
 Ion Ratio Lower Upper
 101 100
 85 45.9 35.2 52.8
 151 79.5 63.5 95.3





#9

1,1-Dichloroethene

Concen: 2.044 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :
MSVOA_U
ClientSampled :

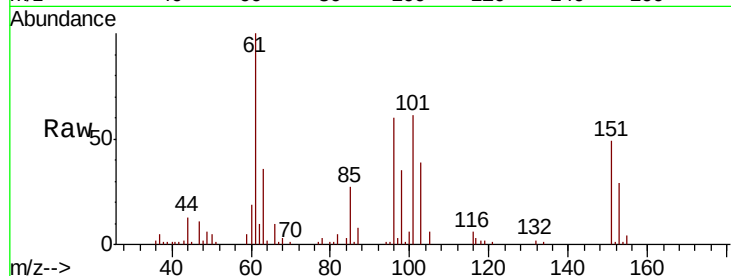
Tot Ion: 96 Resp: 15604

Ion Ratio Lower Upper

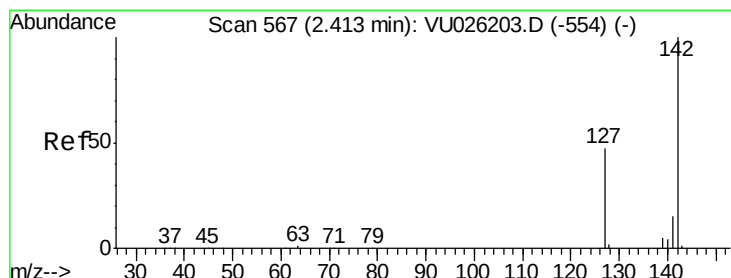
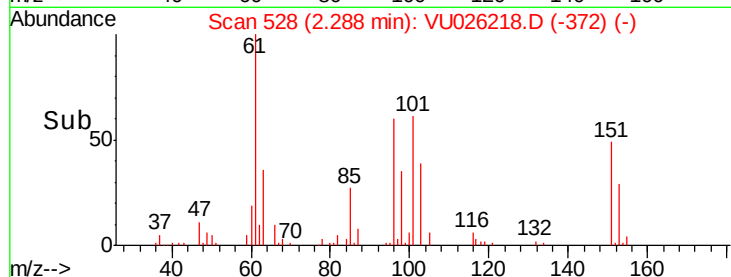
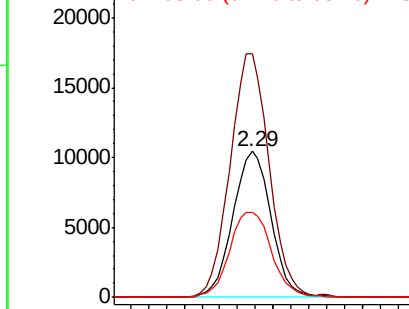
96 100

61 166.7 0.0 526.5

98 58.1 0.0 123.4



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: 1.908 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU026218.D

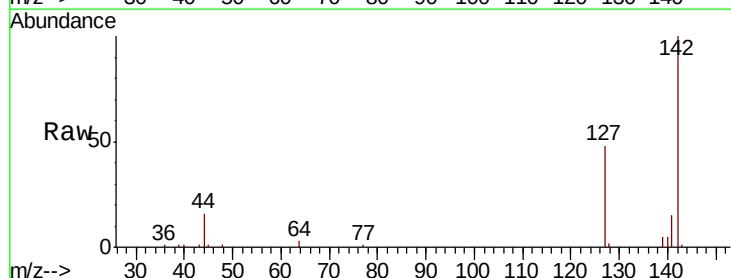
Acq: 20 Aug 2018 19:34

Tgt Ion: 142 Resp: 20513

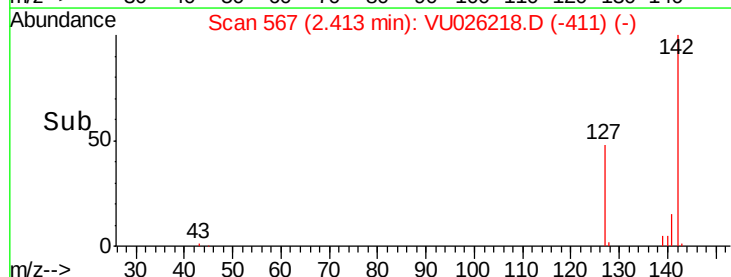
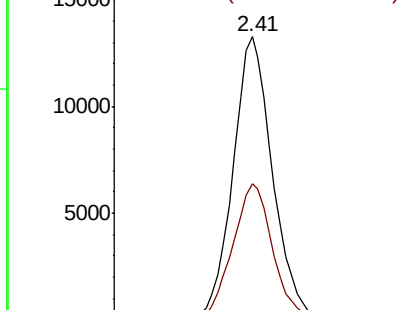
Ion Ratio Lower Upper

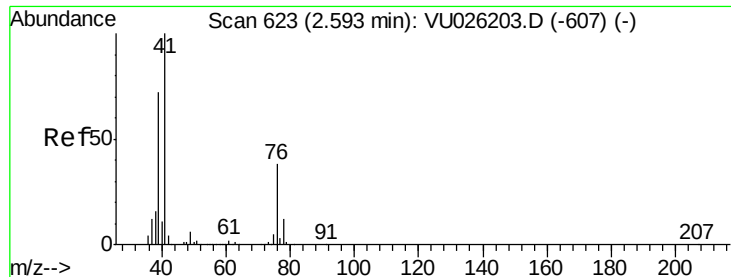
142 100

127 48.4 34.5 51.7



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

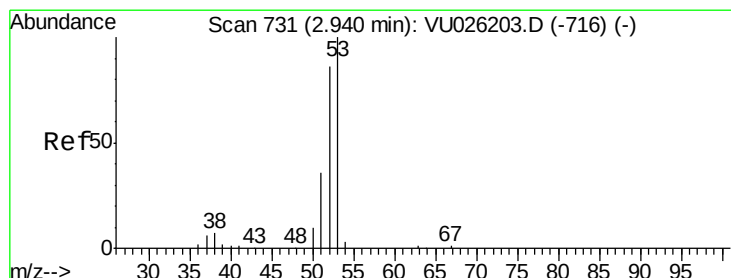
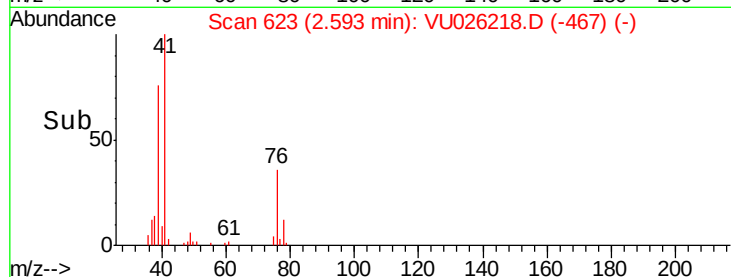
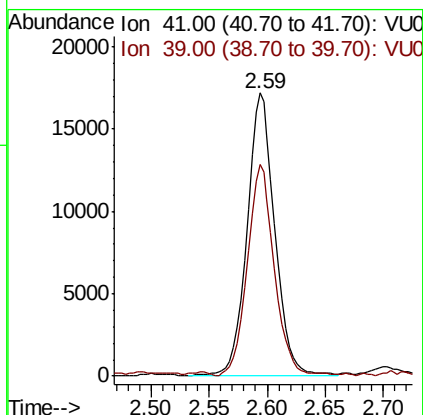
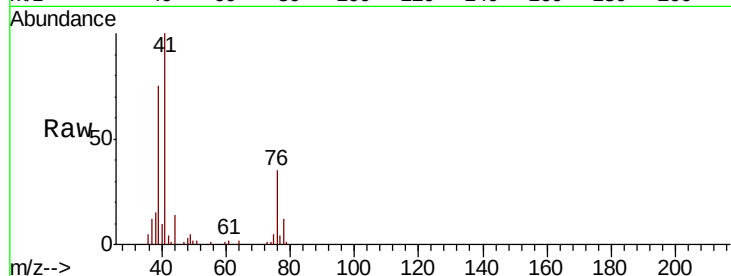




#11
 Allvl Chloride
 Concen: 2.241 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

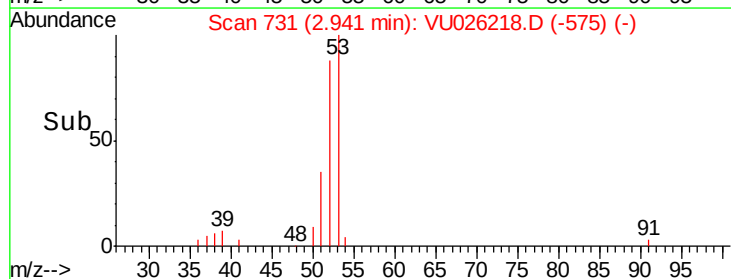
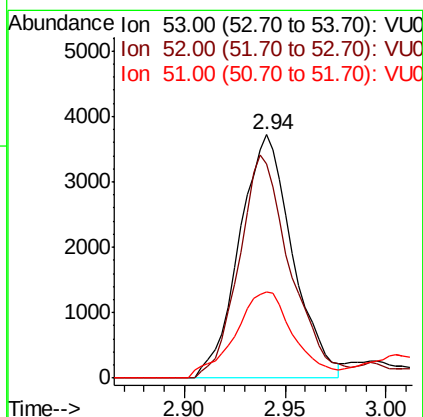
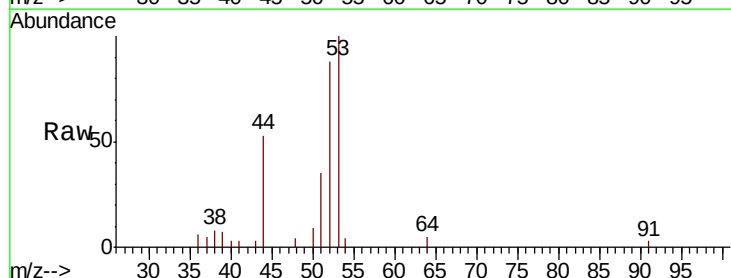
Instrument :
 MSVOA_U
 ClientSampleId :

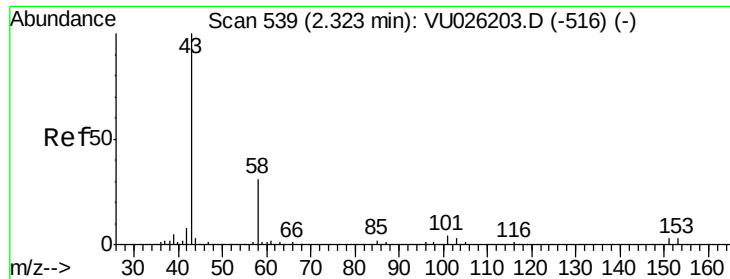
Tot Ion: 41 Resp: 28764
 Ion Ratio Lower Upper
 41 100
 39 72.3 51.4 77.2



#12
 Acrylonitrile
 Concen: 3.953 ug/l
 RT: 2.94 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion: 53 Resp: 6840
 Ion Ratio Lower Upper
 53 100
 52 88.7 65.1 97.7
 51 39.3 30.2 45.4





#13

Acetone

Concen: 9.945 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

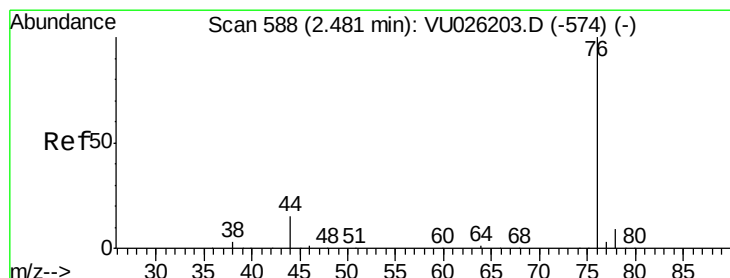
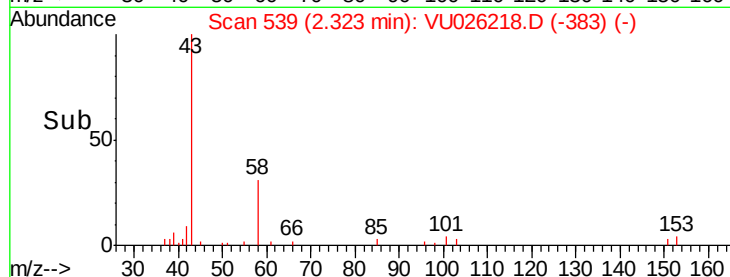
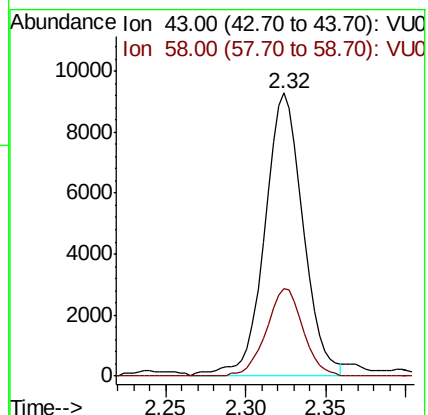
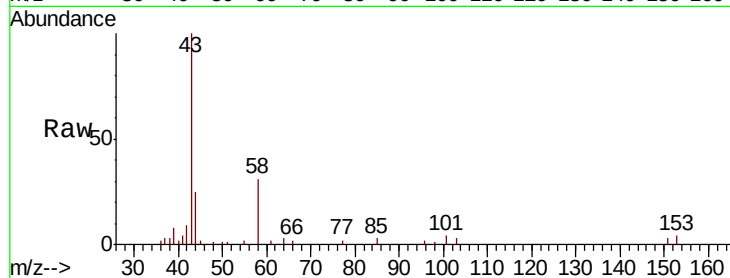
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 15468

Ion Ratio Lower Upper

43 100

58 31.0 26.0 39.0



#14

Carbon Disulfide

Concen: 2.071 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026218.D

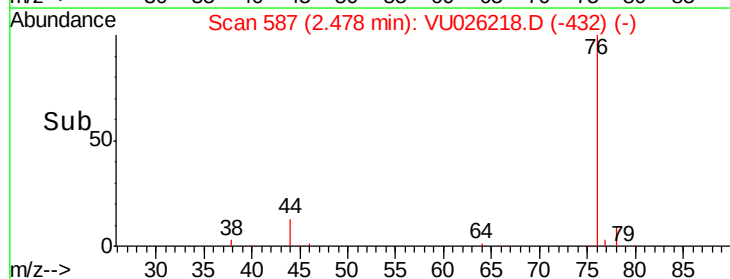
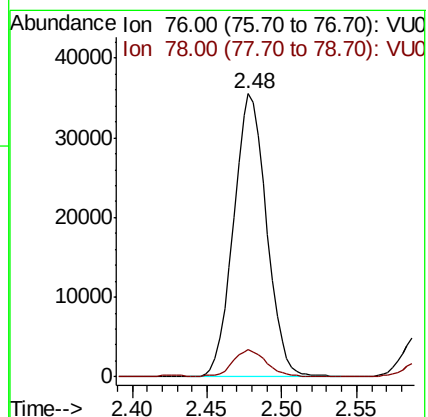
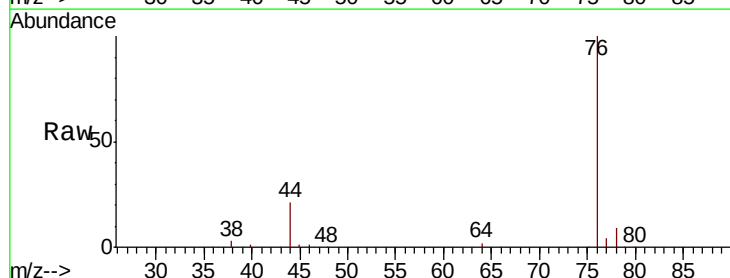
Acq: 20 Aug 2018 19:34

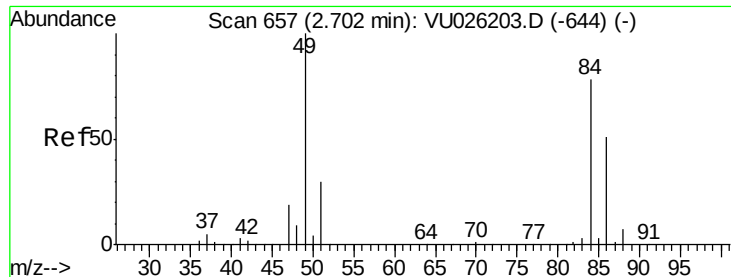
Tgt Ion: 76 Resp: 54638

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

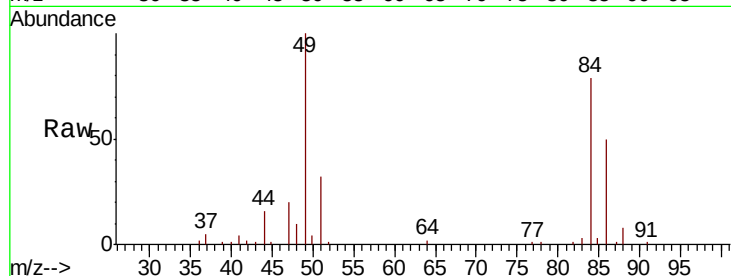




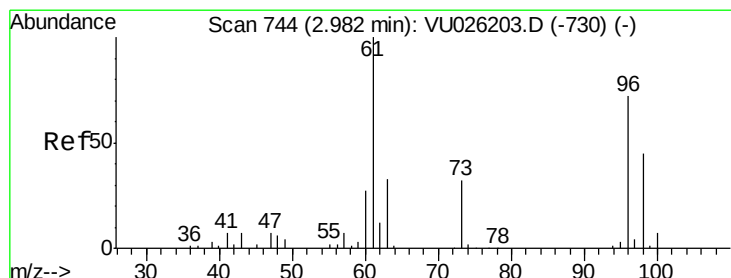
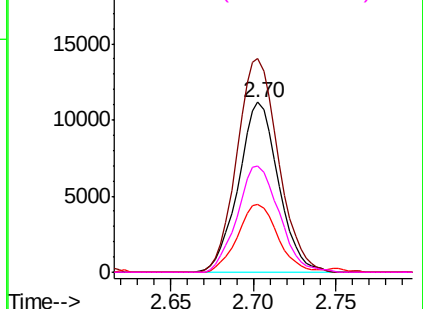
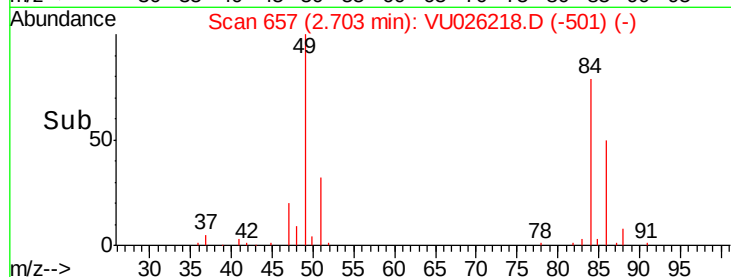
#15
Methylene Chloride
Concen: 1.994 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 18753
Ion Ratio Lower Upper
84 100
49 125.8 108.7 163.1
51 40.1 0.0 82.4
86 62.9 50.7 76.1

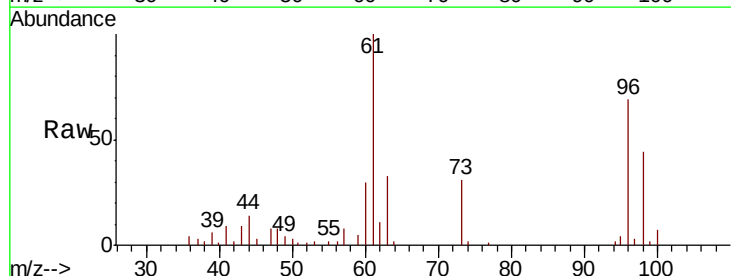


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

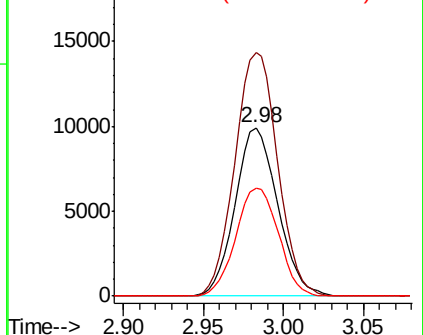
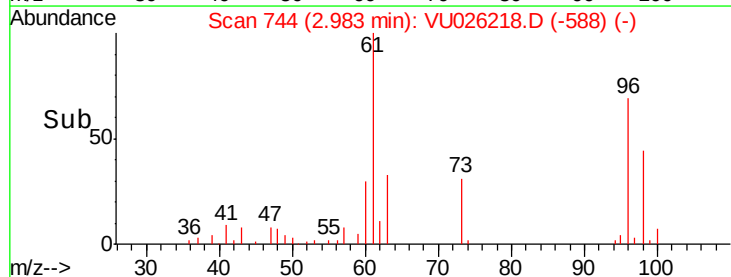


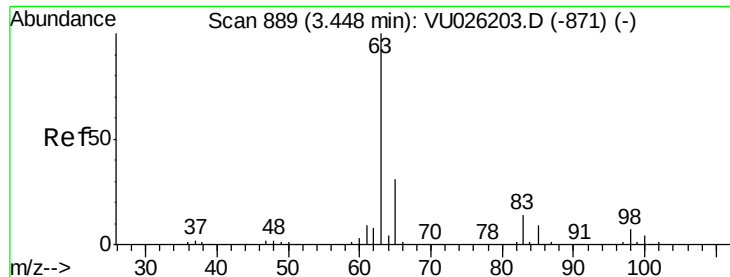
#16
trans-1,2-Dichloroethene
Concen: 2.041 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion: 96 Resp: 18027
Ion Ratio Lower Upper
96 100
61 144.3 123.9 185.9
98 63.7 50.6 76.0



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

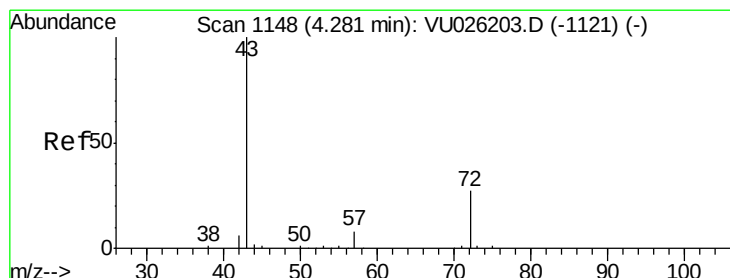
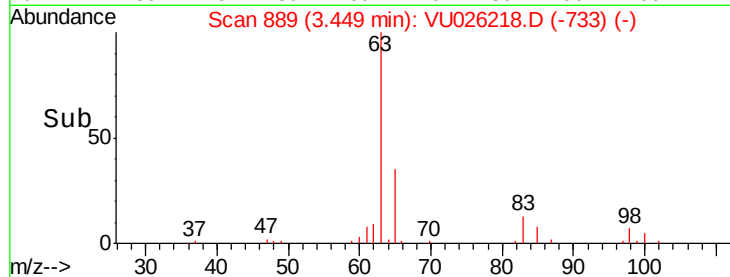
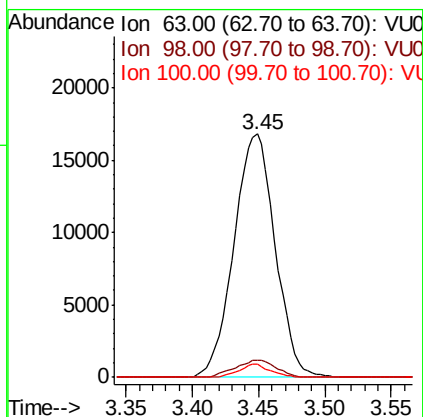
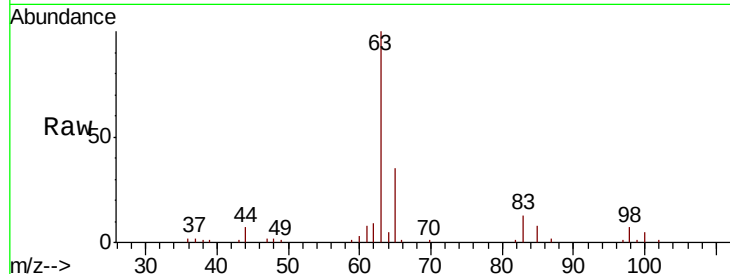




#17
 1,1-Dichloroethane
 Concen: 2.249 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

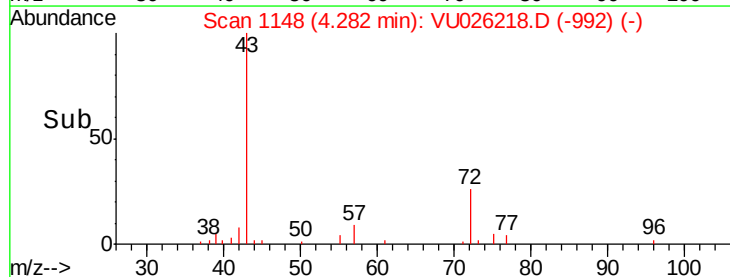
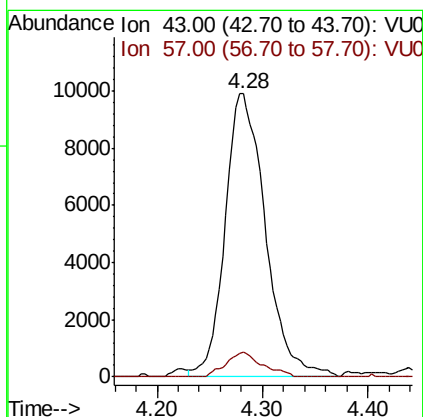
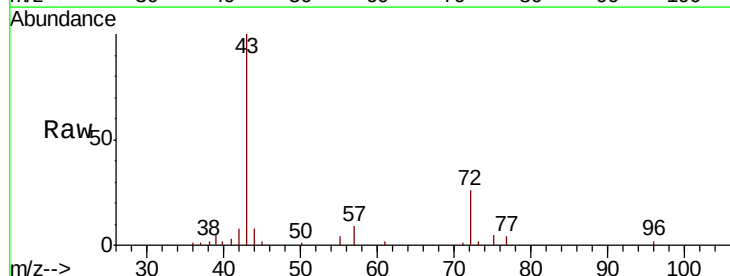
Instrument :
 MSVOA_U
 ClientSampleId :

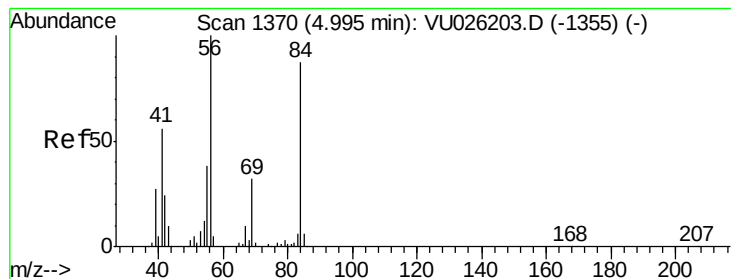
Tot Ion: 63 Resp: 36345
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.8
 100 5.3 2.0 5.8



#18
 2-Butanone
 Concen: 10.605 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion: 43 Resp: 26267
 Ion Ratio Lower Upper
 43 100
 57 8.6 0.0 15.8





#19

Cyclohexane

Concen: 1.967 ug/l

RT: 5.00 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

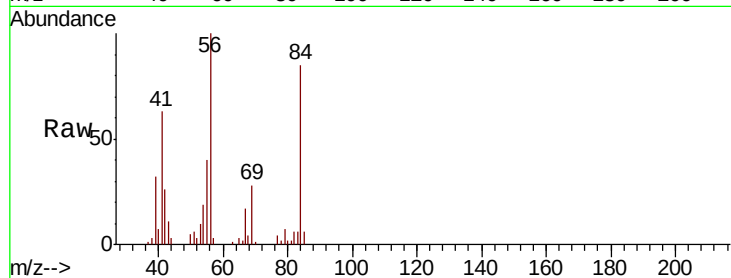
Tot Ion: 56 Resp: 23365

Ion Ratio Lower Upper

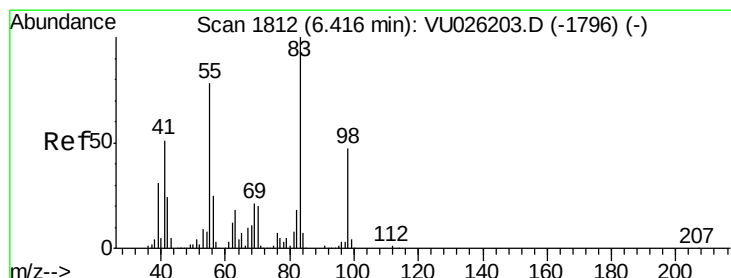
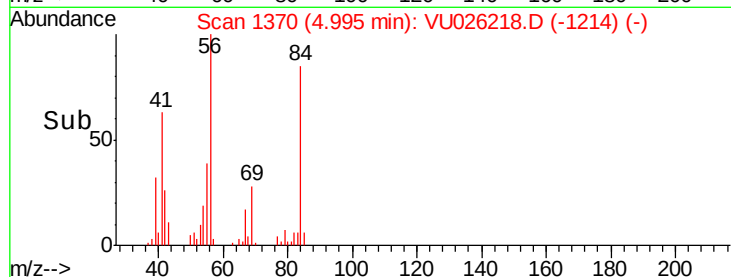
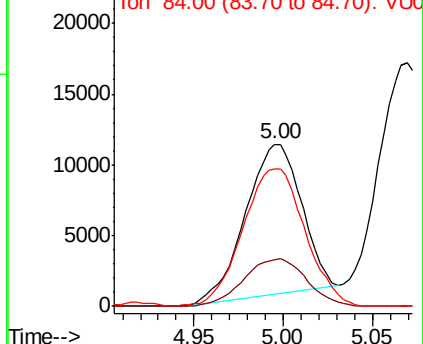
56 100

69 35.3 26.0 39.0

84 101.5 68.3 102.5



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: 1.964 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

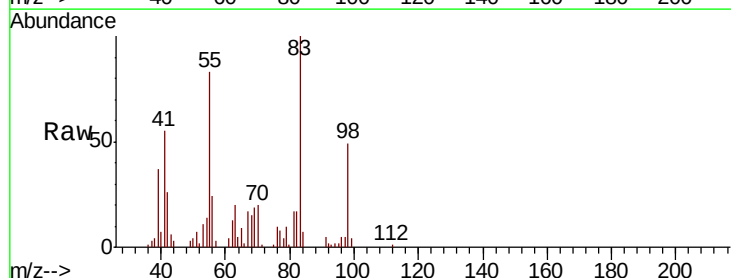
Tgt Ion: 83 Resp: 27315

Ion Ratio Lower Upper

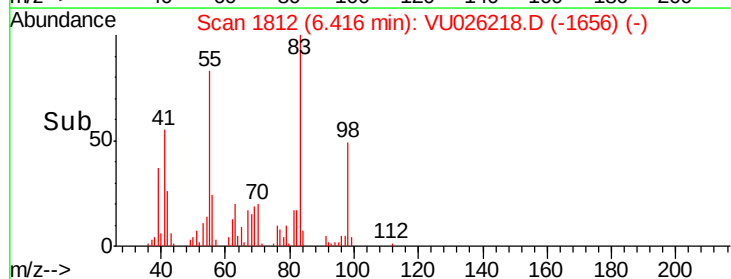
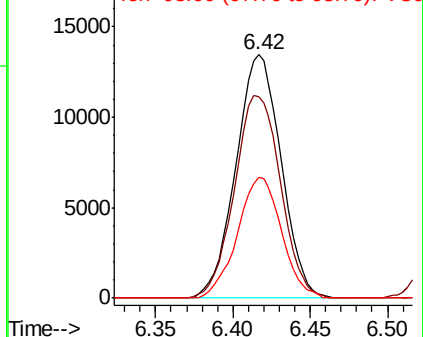
83 100

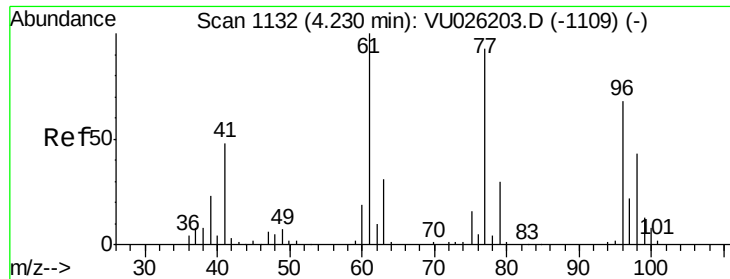
55 84.9 66.4 99.6

98 48.6 35.4 53.2



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

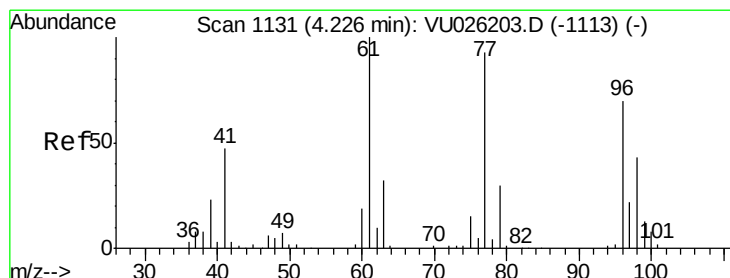
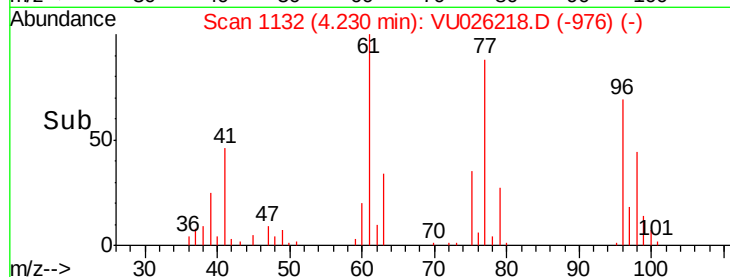
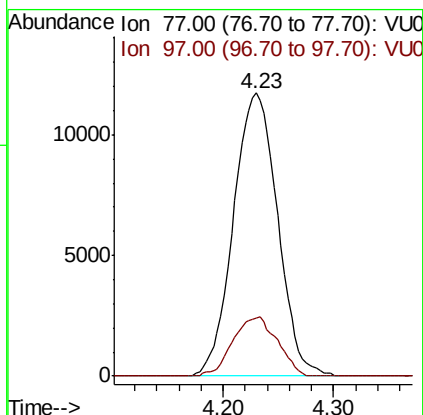
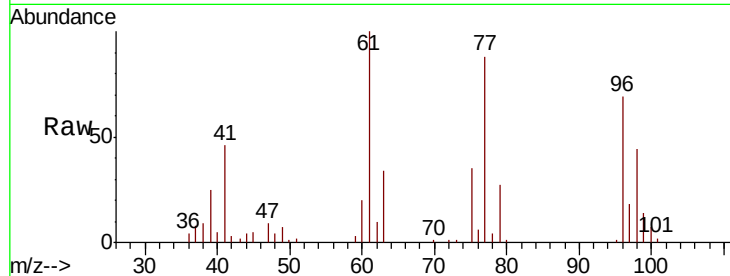




#21
 2,2-Dichloropropane
 Concen: 1.958 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

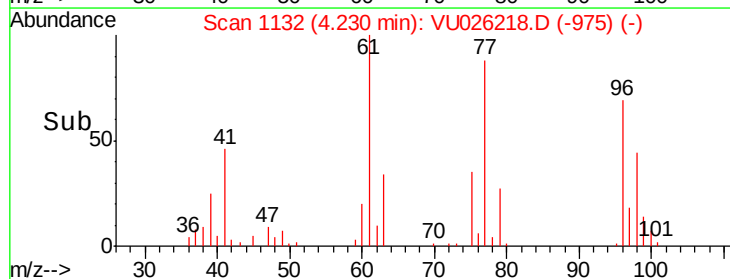
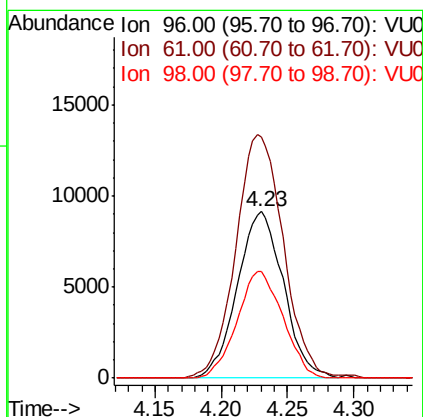
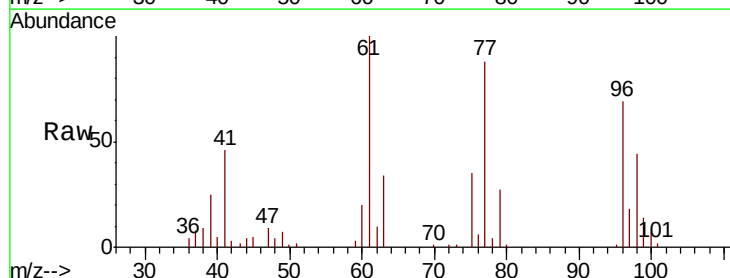
Instrument :
 MSVOA_U
 ClientSampled :

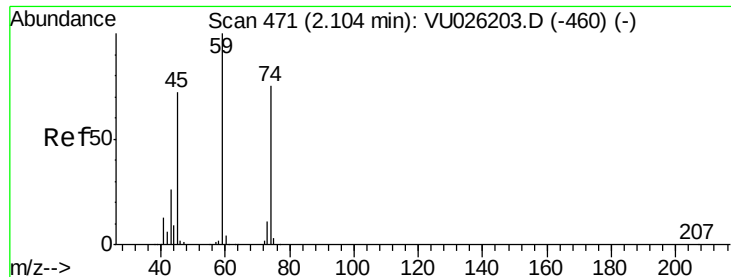
Tot Ion: 77 Resp: 32528
 Ion Ratio Lower Upper
 77 100
 97 21.1 17.9 26.9



#22
 cis-1,2-Dichloroethene
 Concen: 2.065 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion: 96 Resp: 22137
 Ion Ratio Lower Upper
 96 100
 61 150.8 0.0 400.5
 98 63.6 32.2 96.6





#23

Diethyl Ether

Concen: 2.145 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

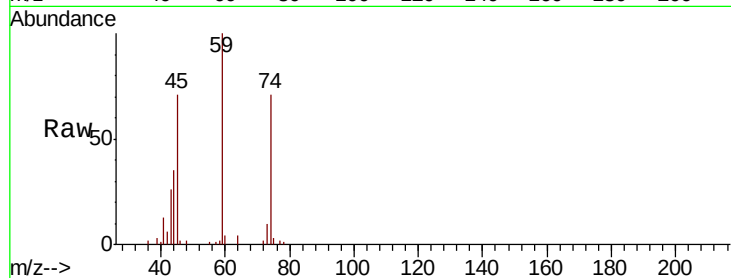
Tot Ion: 59 Resp: 12536

Ion Ratio Lower Upper

59 100

45 72.3 60.0 90.0

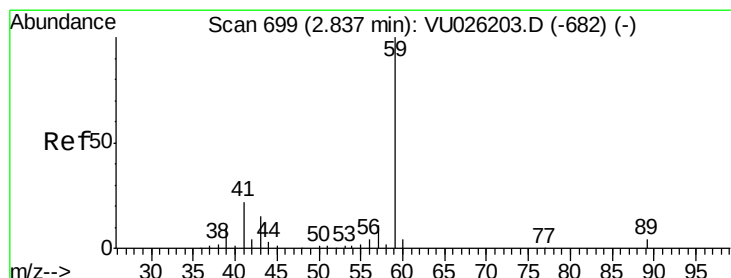
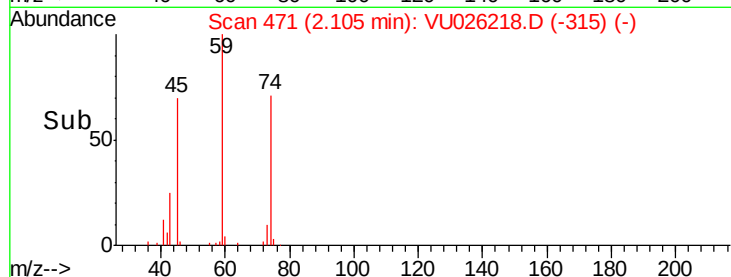
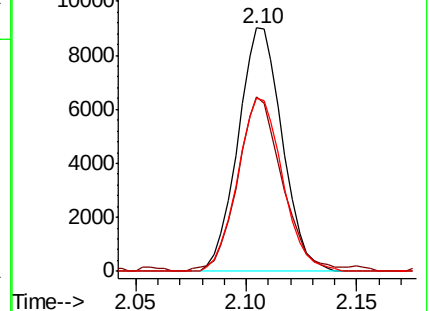
74 72.3 56.5 84.7



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: 20.984 ug/l

RT: 2.83 min Scan# 698

Delta R.T. -0.00 min

Lab File: VU026218.D

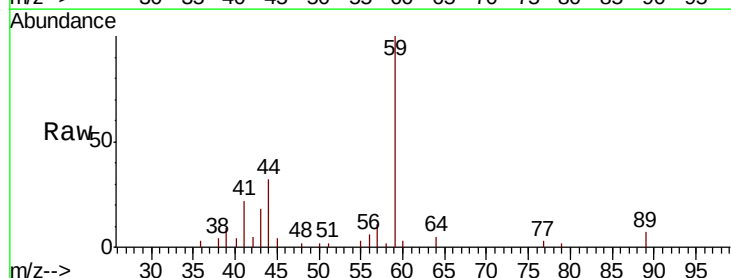
Acq: 20 Aug 2018 19:34

Tgt Ion: 59 Resp: 12551

Ion Ratio Lower Upper

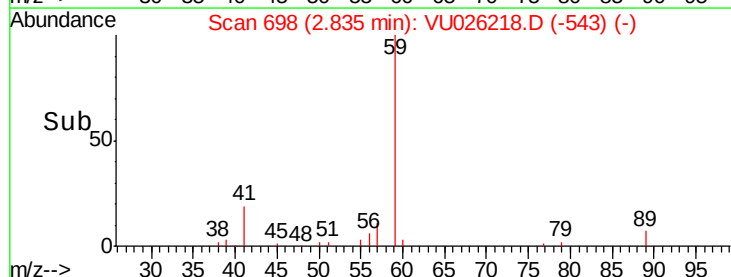
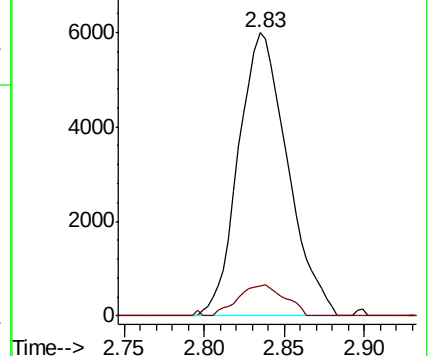
59 100

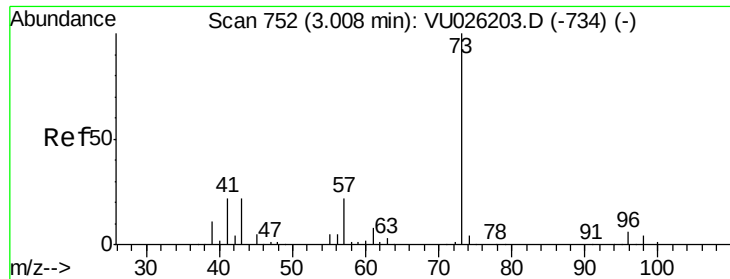
57 10.4 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



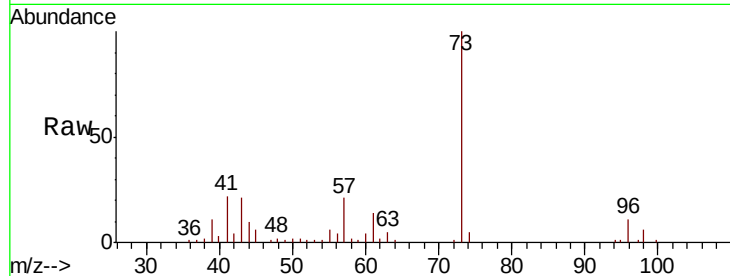


#25

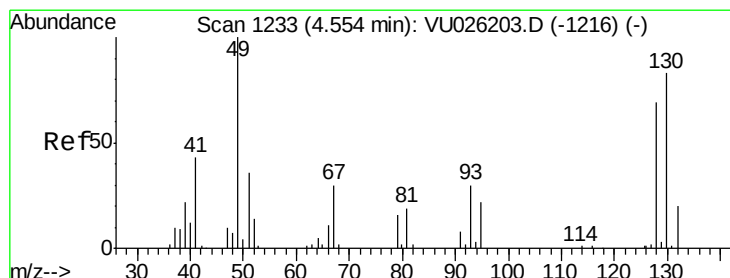
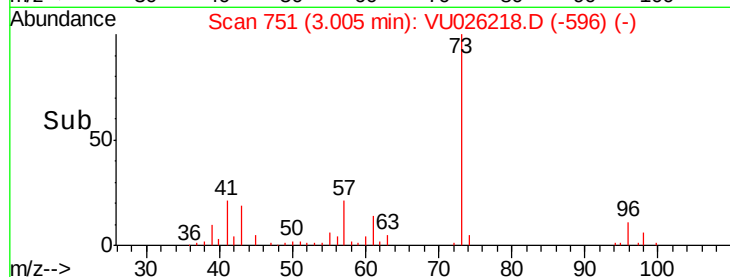
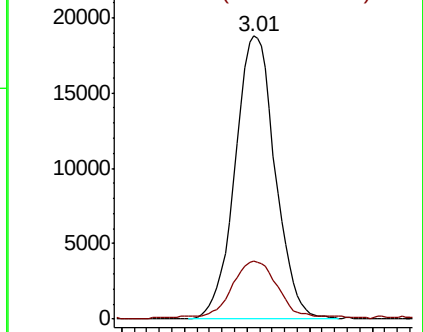
Methyl tert-Butyl Ether
 Concen: 2.100 ug/l
 RT: 3.01 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 41785
 Ion Ratio Lower Upper
 73 100
 43 21.1 16.2 24.2



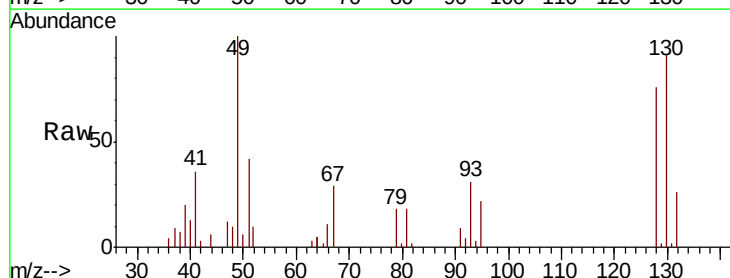
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0



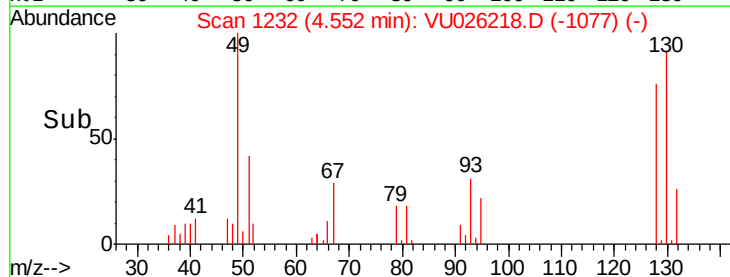
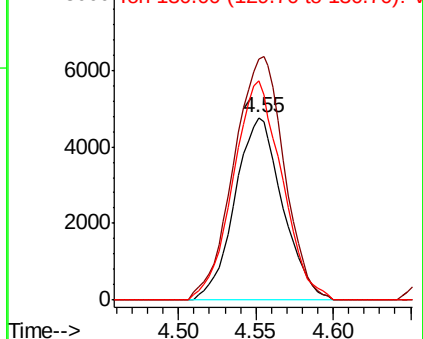
#26

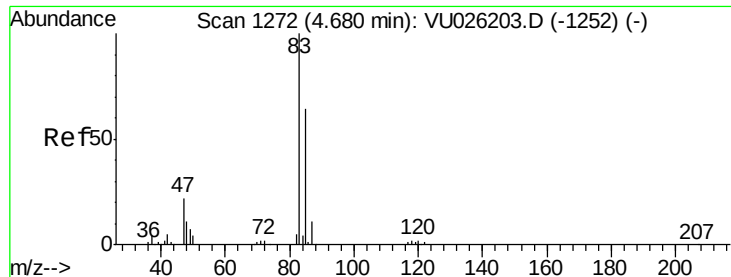
Bromochloromethane
 Concen: 2.125 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion: 128 Resp: 10183
 Ion Ratio Lower Upper
 128 100
 49 141.4 0.0 375.2
 130 123.5 105.8 158.6



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

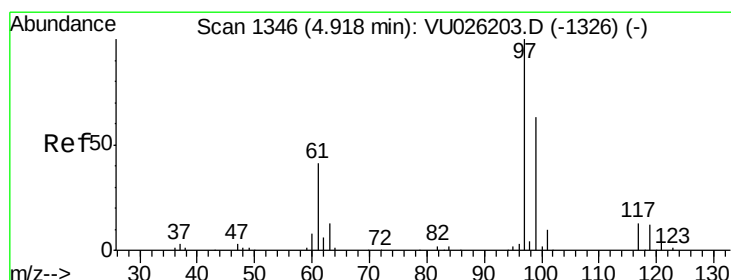
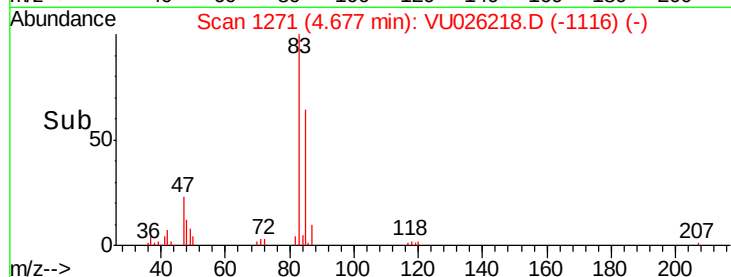
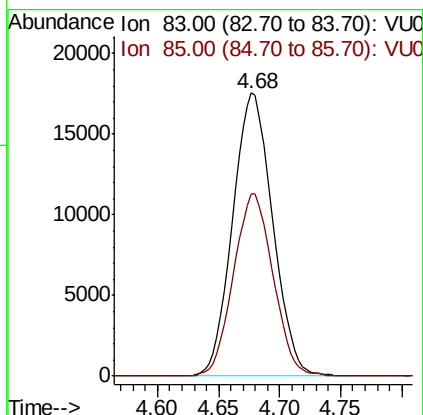
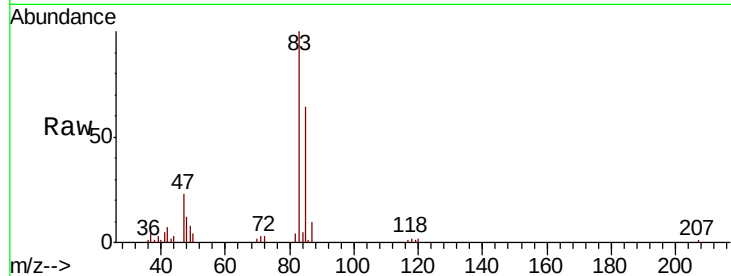




#27
Chloroform
Concen: 2.135 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

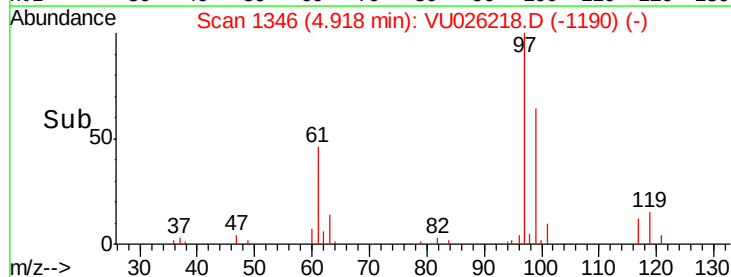
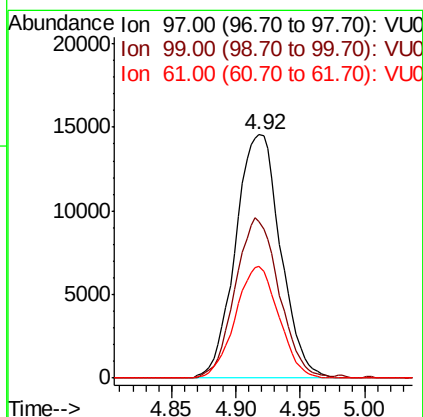
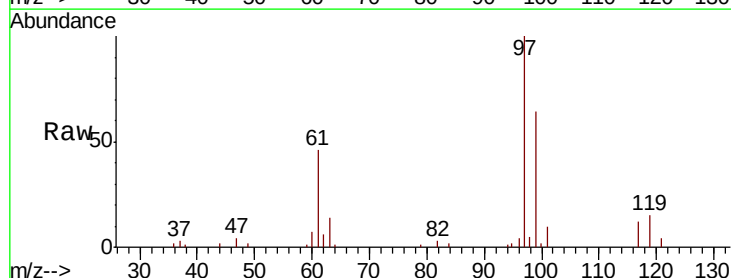
Instrument :
MSVOA_U
ClientSampleId :

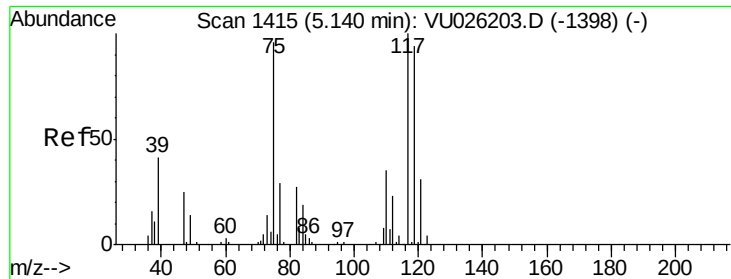
Tot Ion: 83 Resp: 39892
Ion Ratio Lower Upper
83 100
85 64.2 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 2.133 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion: 97 Resp: 35432
Ion Ratio Lower Upper
97 100
99 64.2 32.3 96.9
61 44.1 23.2 69.5





#29

1,1-Dichloropropene

Concen: 2.021 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :
MSVOA_U
ClientSampleId :

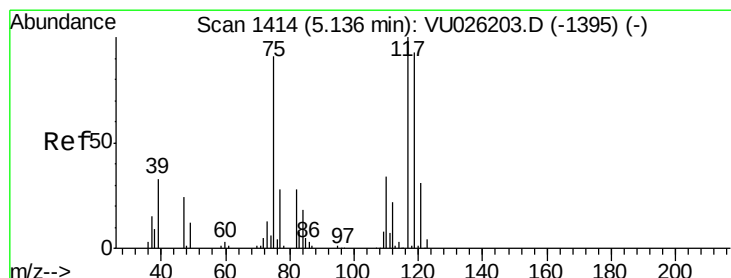
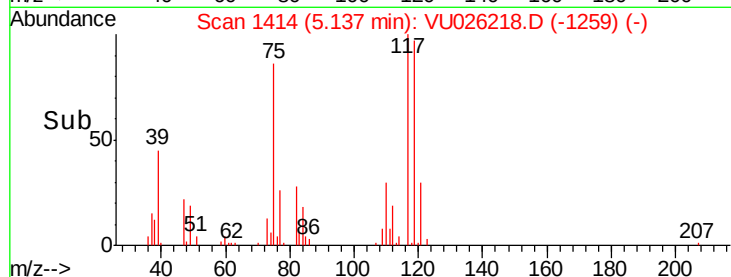
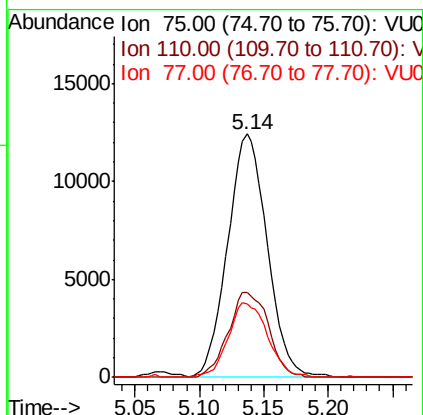
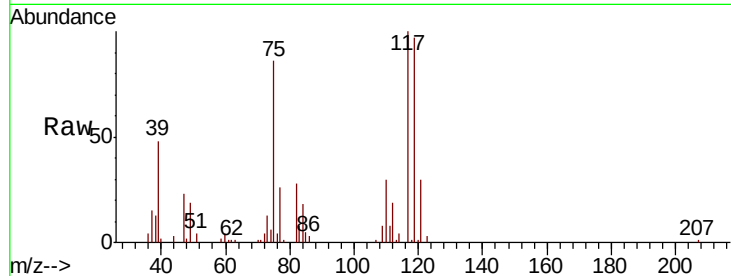
Tot Ion: 75 Resp: 26483

Ion Ratio Lower Upper

75 100

110 35.5 16.9 50.7

77 30.6 24.8 37.2



#30

Carbon Tetrachloride

Concen: 2.153 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

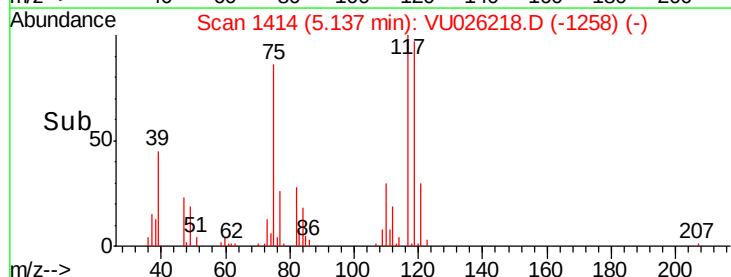
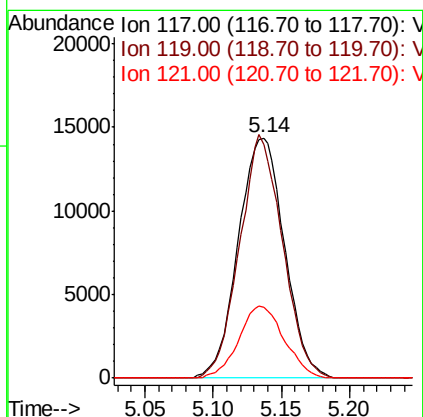
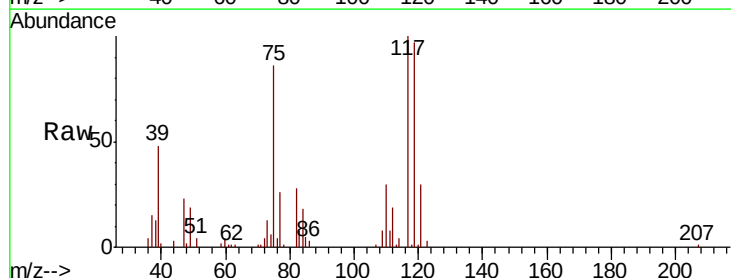
Tgt Ion: 117 Resp: 33725

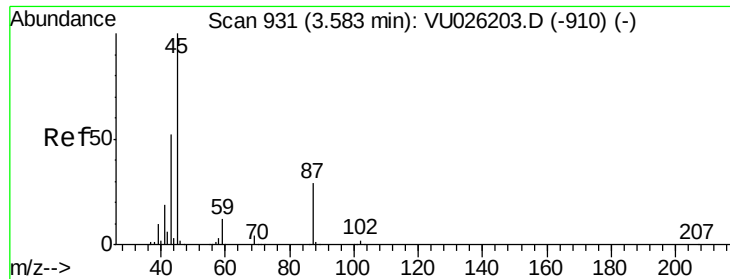
Ion Ratio Lower Upper

117 100

119 97.0 77.3 115.9

121 29.7 24.5 36.7





#31

Isopropyl Ether

Concen: 2.041 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

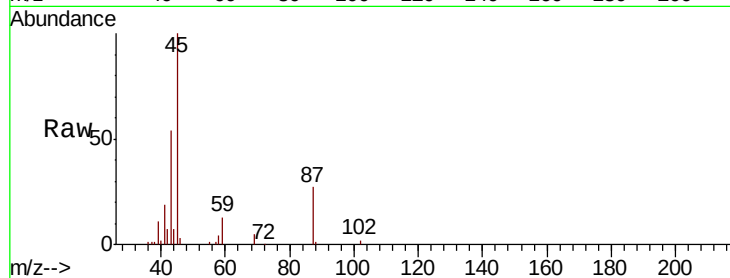
ClientSampleId :

Tot Ion: 45 Resp: 54319

Ion Ratio Lower Upper

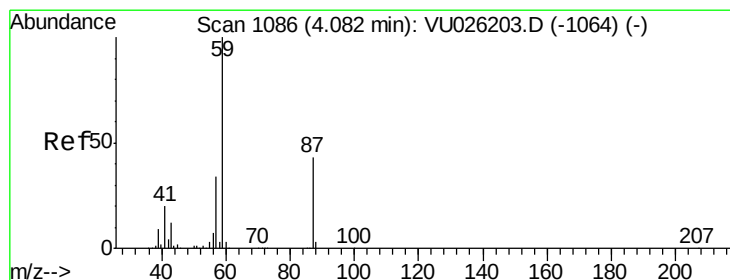
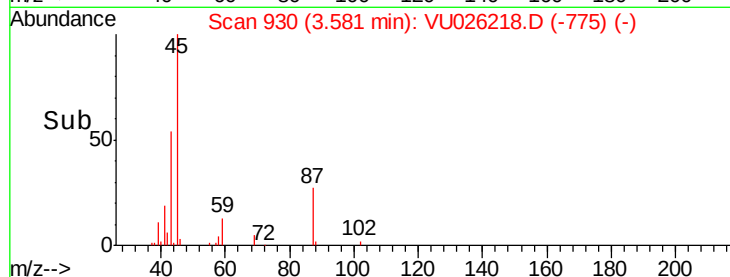
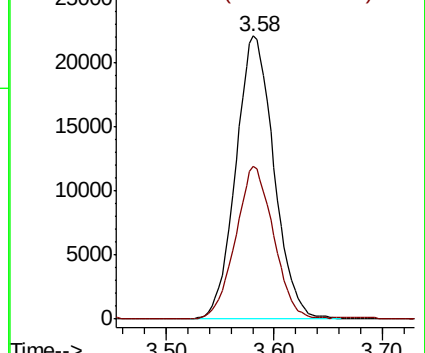
45 100

43 53.6 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU026218.D (-930) (-)

Ion 43.00 (42.70 to 43.70): VU026218.D (-930) (-)



#32

Ethyl-t-butyl ether

Concen: 1.971 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VU026218.D

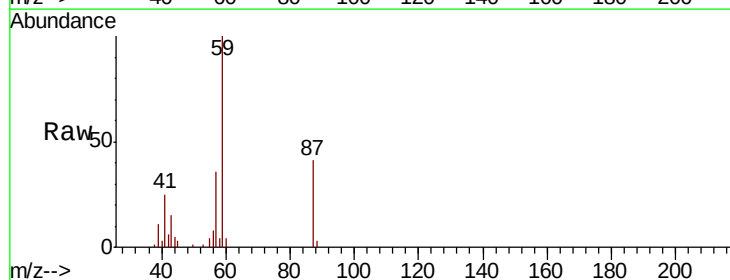
Acq: 20 Aug 2018 19:34

Tgt Ion: 59 Resp: 45955

Ion Ratio Lower Upper

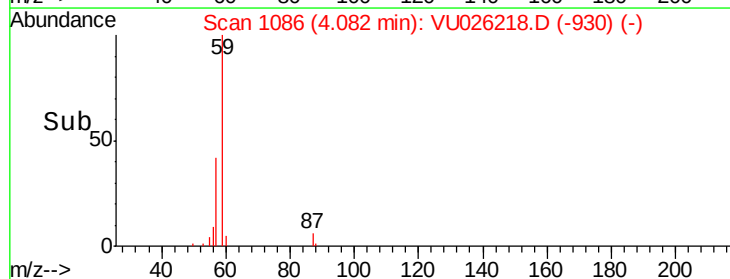
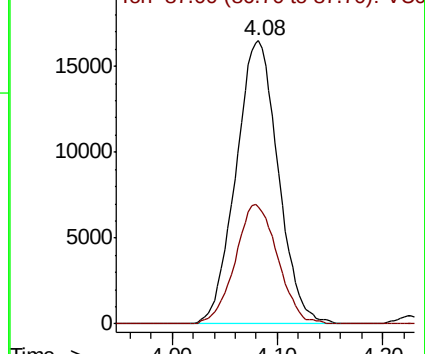
59 100

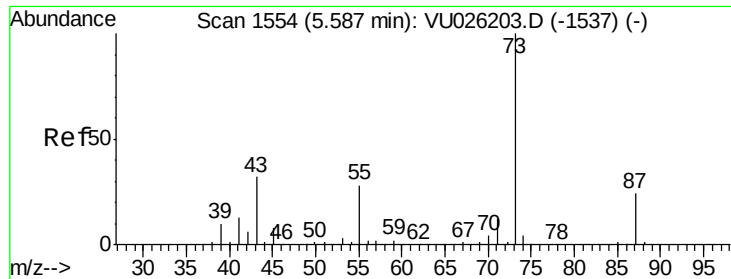
87 42.5 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU026218.D (-930) (-)

Ion 87.00 (86.70 to 87.70): VU026218.D (-930) (-)

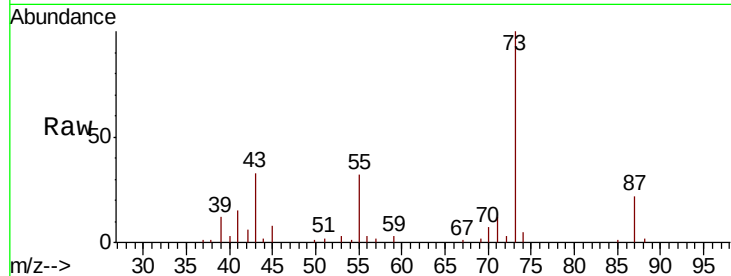




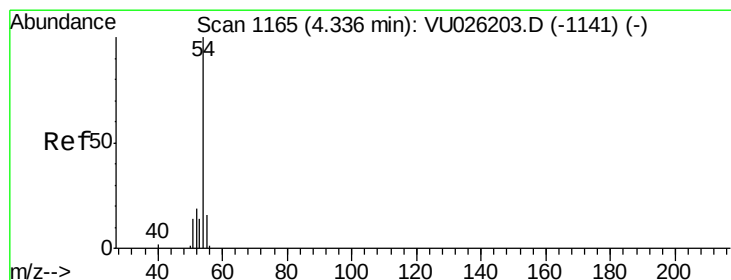
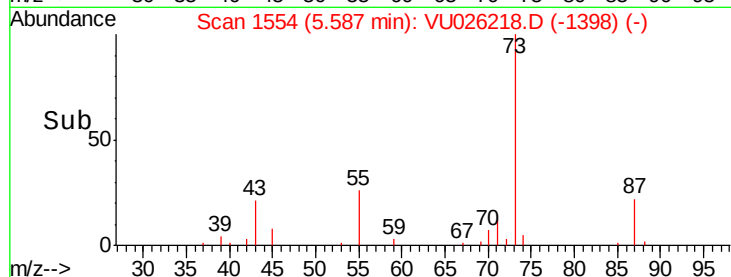
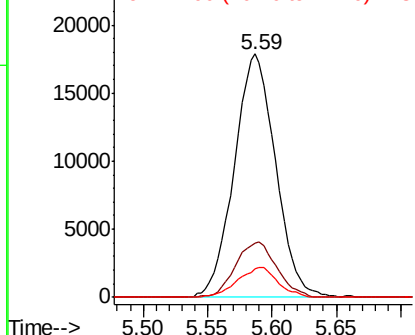
#33
Tert-Butyl methyl ether
Concen: 2.001 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 39848
Ion Ratio Lower Upper
73 100
87 22.7 18.6 28.0
71 11.9 9.3 13.9

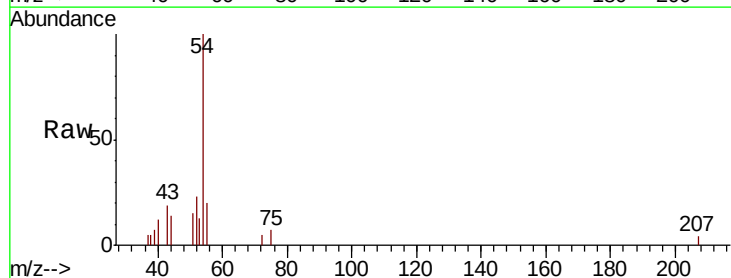


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

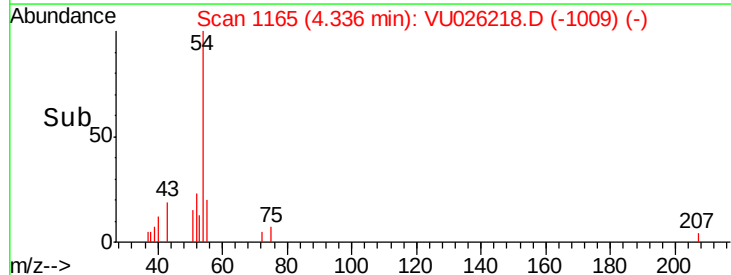
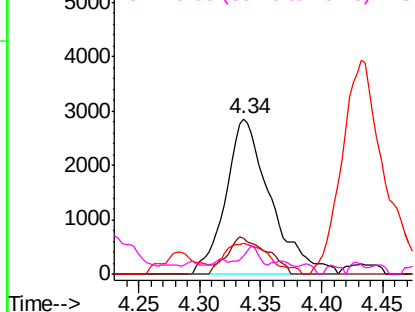


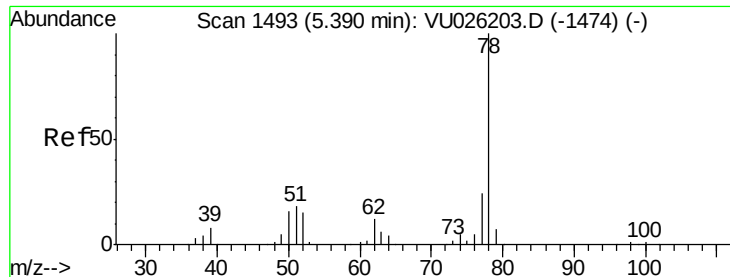
#34
Propionitrile
Concen: 10.277 ug/l
RT: 4.34 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion: 54 Resp: 7250
Ion Ratio Lower Upper
54 100
52 21.2 13.7 20.5#
55 19.9 10.2 15.2#
40 4.5 3.5 5.3



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: 2.091 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

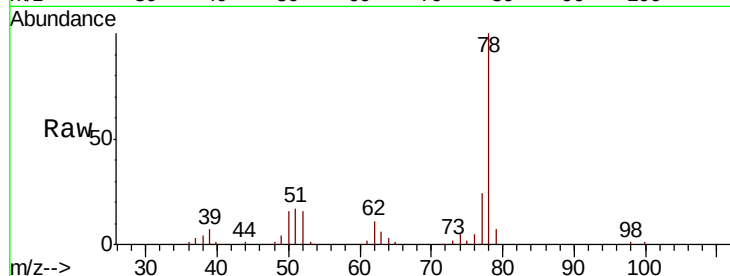
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 79175

Ion Ratio Lower Upper

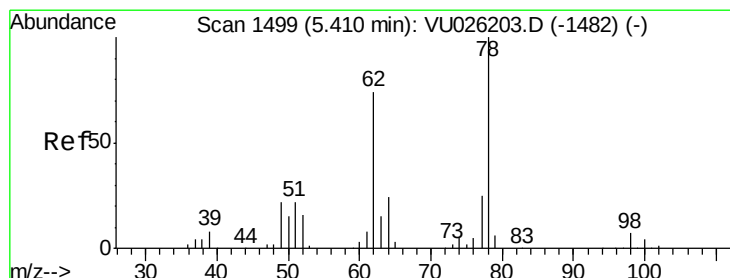
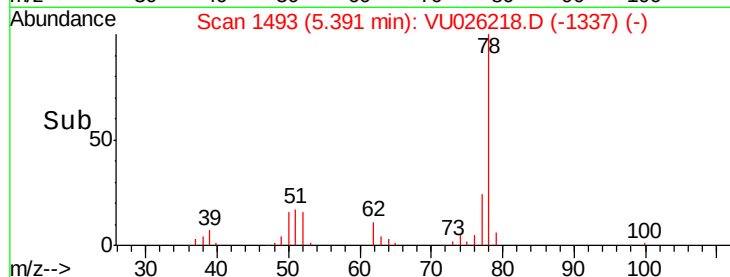
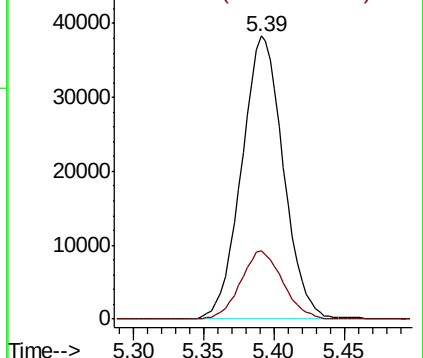
78 100

77 24.2 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 2.133 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026218.D

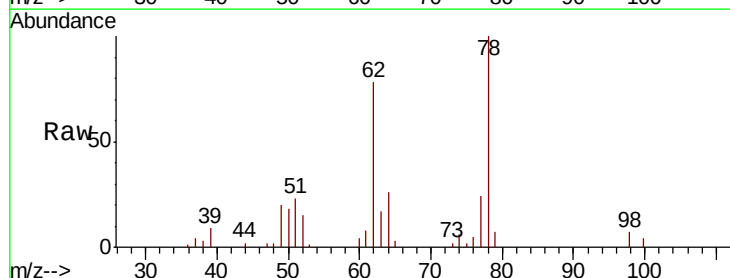
Acq: 20 Aug 2018 19:34

Tgt Ion: 62 Resp: 25041

Ion Ratio Lower Upper

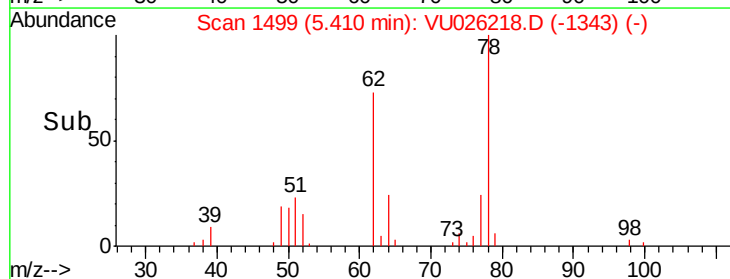
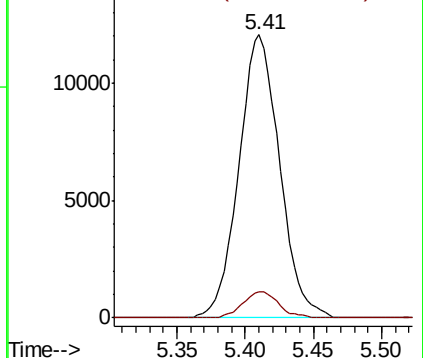
62 100

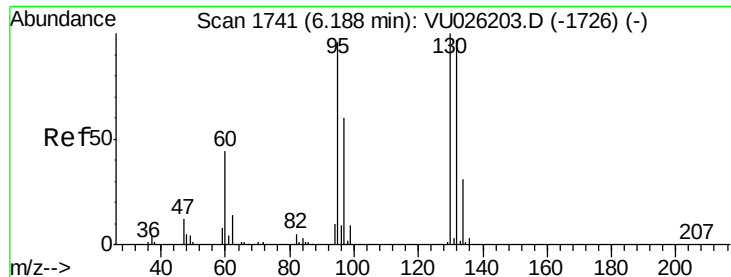
98 8.1 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 2.048 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

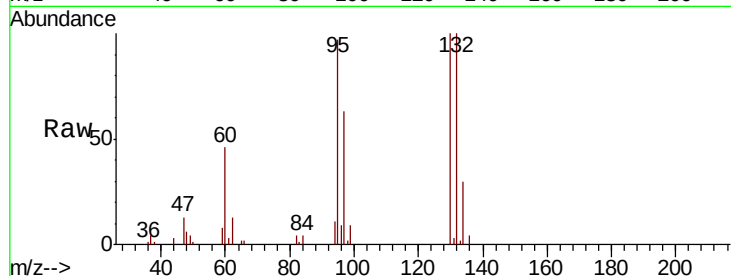
ClientSampleId :

Tot Ion:130 Resp: 21820

Ion Ratio Lower Upper

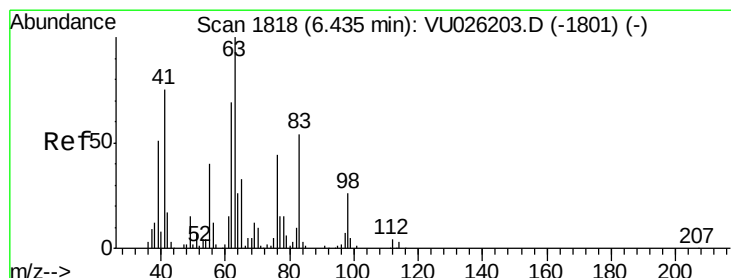
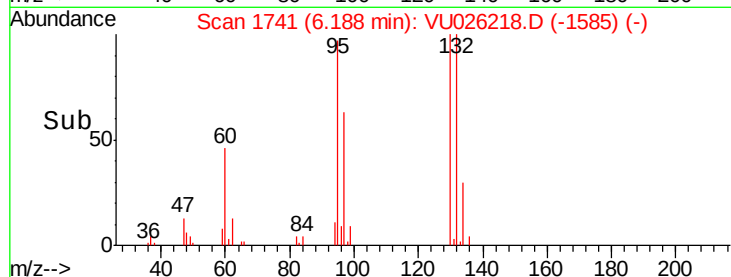
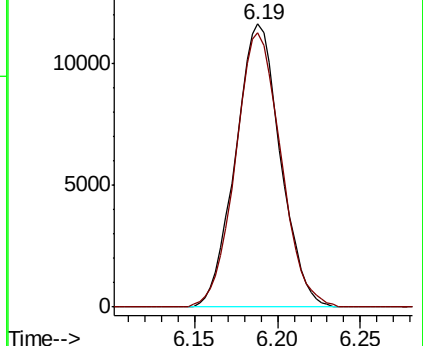
130 100

95 97.1 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): VU026218.D (-1585) (-)

Ion 94.90 (94.60 to 95.60): VU026218.D (-1585) (-)



#38

1,2-Dichloropropane

Concen: 2.067 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026218.D

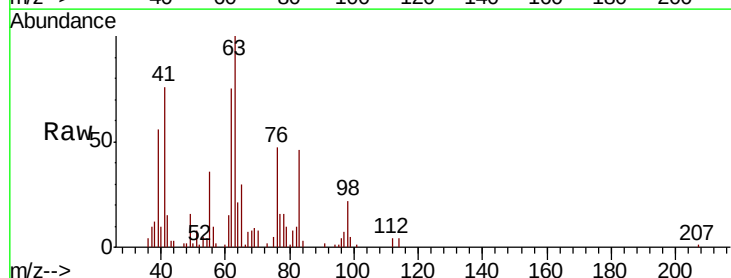
Acq: 20 Aug 2018 19:34

Tgt Ion: 63 Resp: 20277

Ion Ratio Lower Upper

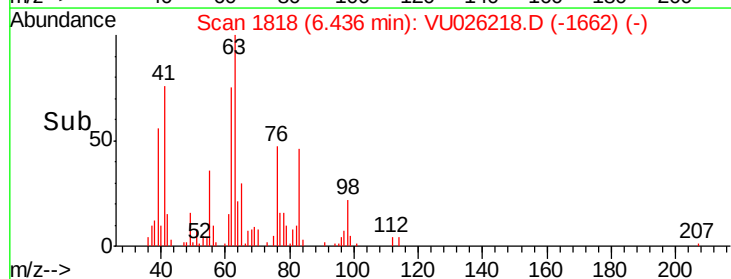
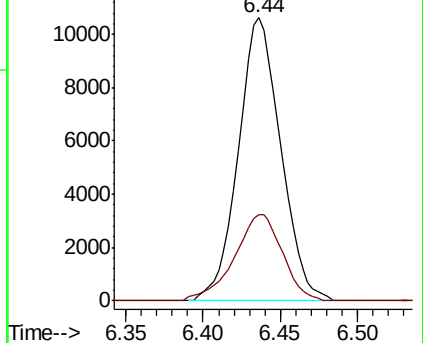
63 100

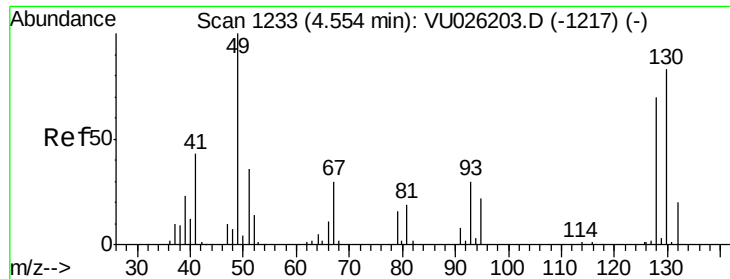
65 30.5 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU026218.D (-1662) (-)

Ion 65.00 (64.70 to 65.70): VU026218.D (-1662) (-)





#39

Methacrylonitrile

Concen: 2.074 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 41 Resp: 6176

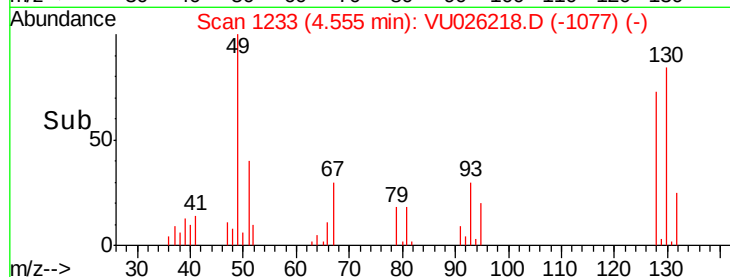
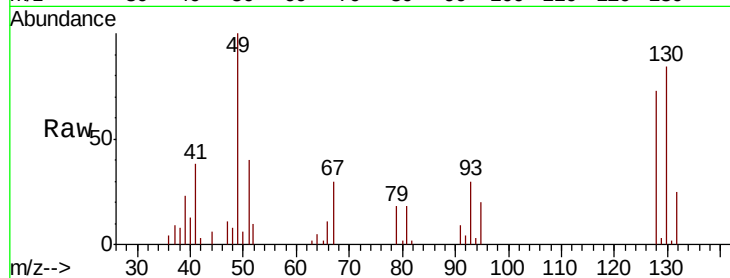
Ion Ratio Lower Upper

41 100

67 69.0 51.3 76.9

39 46.1 40.6 60.8

52 29.4 21.5 32.3

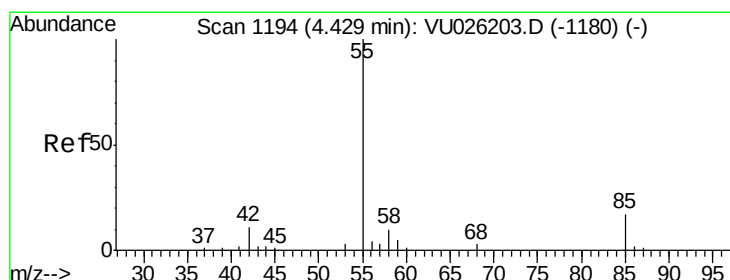
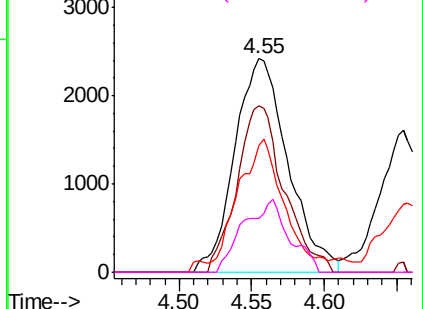


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 2.082 ug/l

RT: 4.43 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Tgt Ion: 55 Resp: 9399

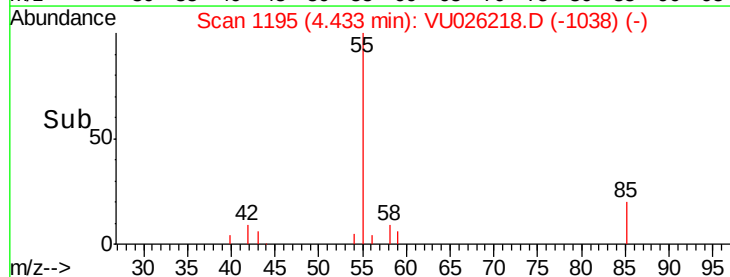
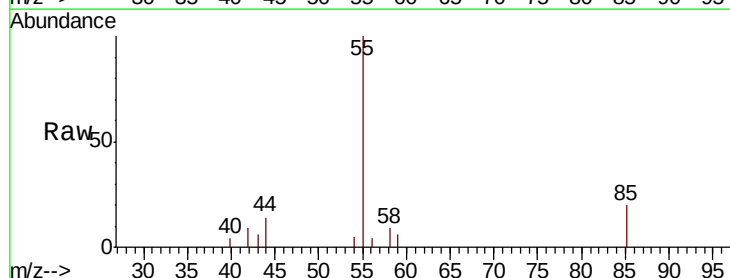
Ion Ratio Lower Upper

55 100

85 17.1 12.3 18.5

58 5.1 7.0 10.6#

42 9.2 7.0 10.4

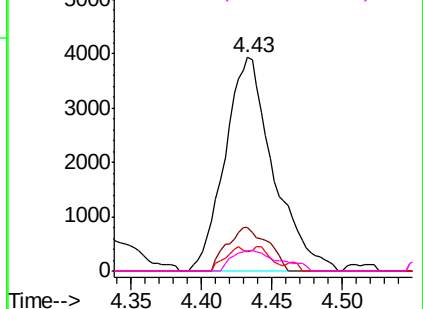


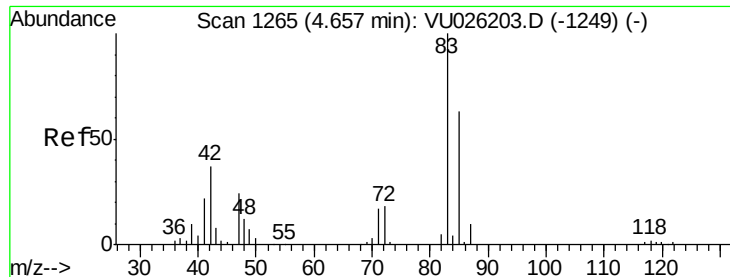
Abundance Ion 55.00 (54.70 to 55.70): VU0

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

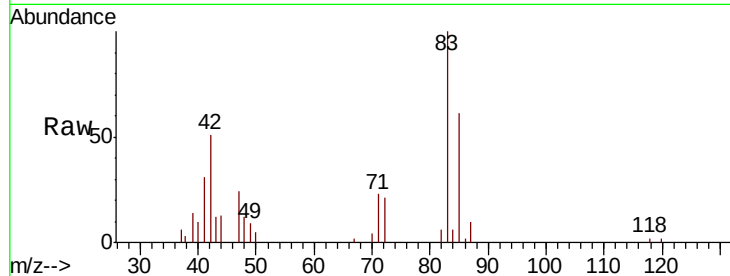




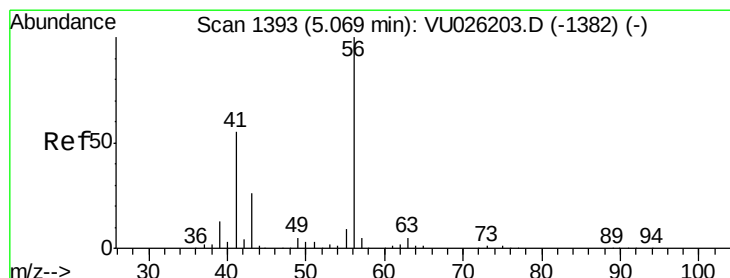
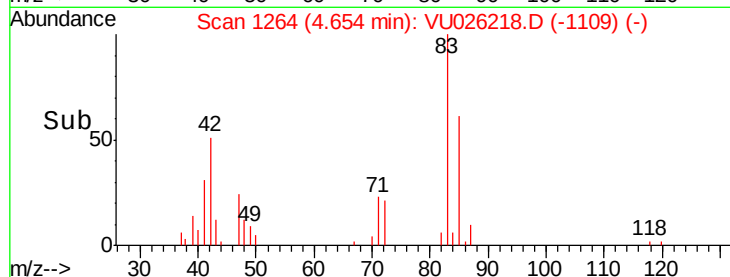
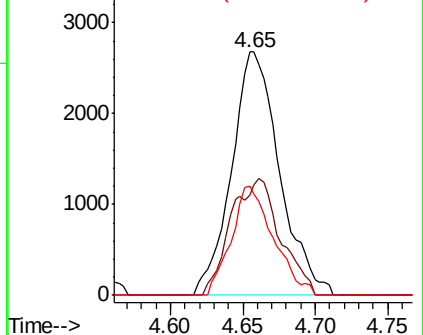
#41
Tetrahydrofuran
Concen: 3.736 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 42 Resp: 6189
Ion Ratio Lower Upper
42 100
72 49.4 33.2 49.8
71 39.3 29.8 44.8

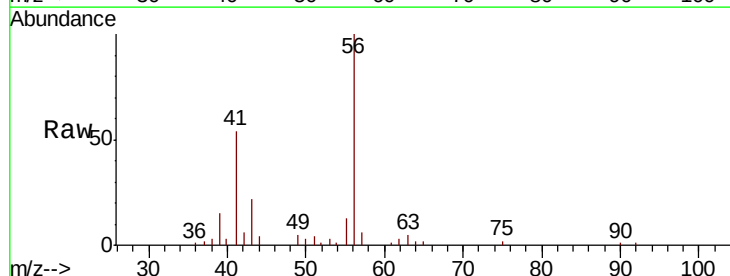


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

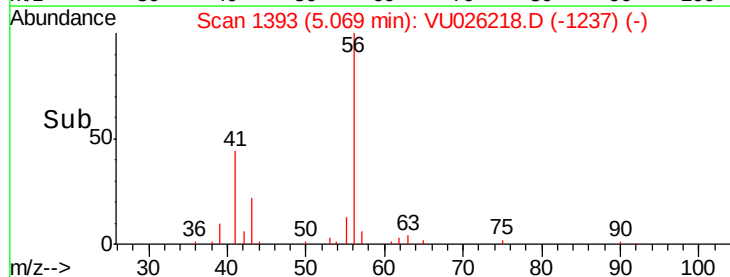
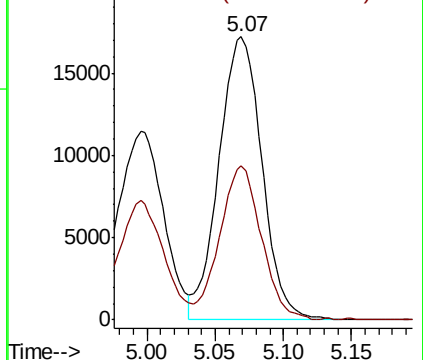


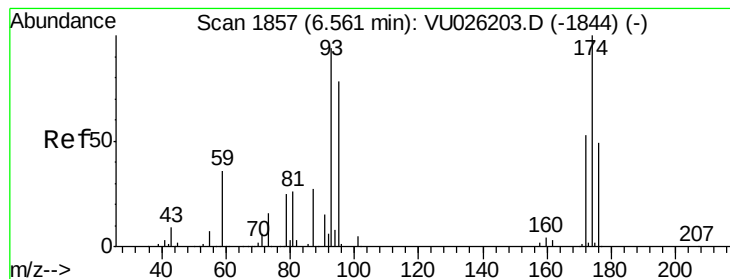
#42
1-Chlorobutane
Concen: 2.128 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion: 56 Resp: 37718
Ion Ratio Lower Upper
56 100
41 52.6 27.5 82.5



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





#43

Dibromomethane

Concen: 2.172 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

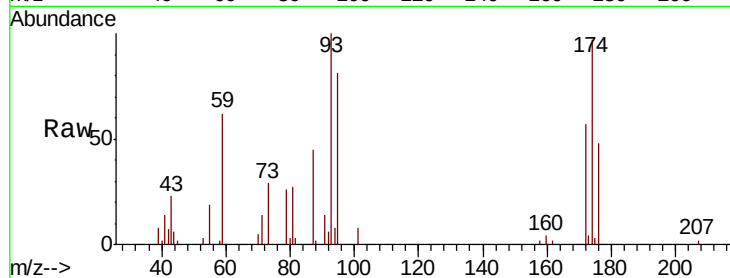
Tot Ion: 93 Resp: 11318

Ion Ratio Lower Upper

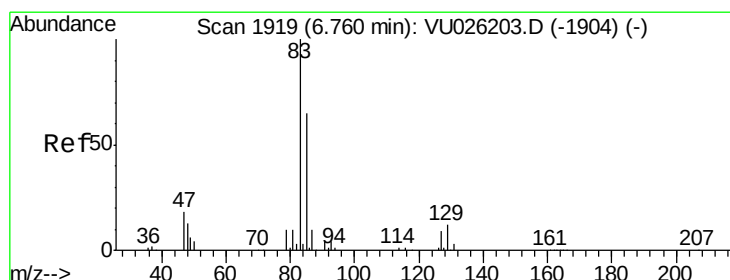
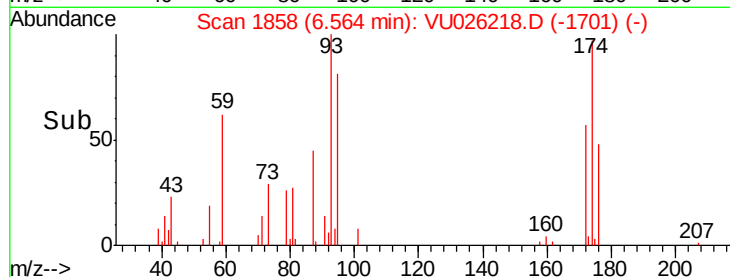
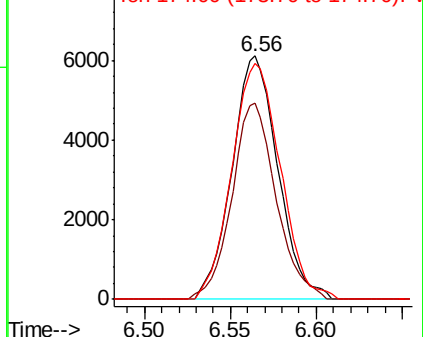
93 100

95 77.9 67.2 100.8

174 102.7 82.8 124.2



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 2.098 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

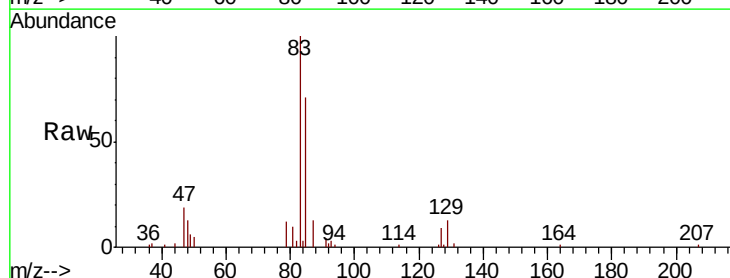
Tgt Ion: 83 Resp: 28223

Ion Ratio Lower Upper

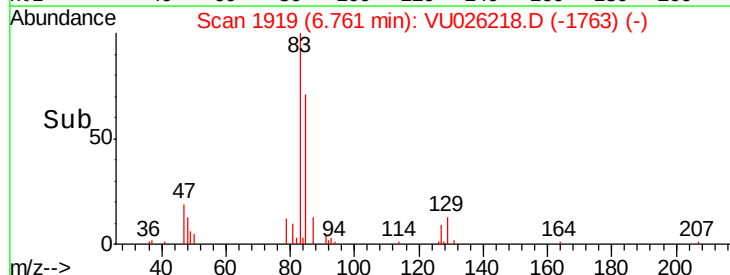
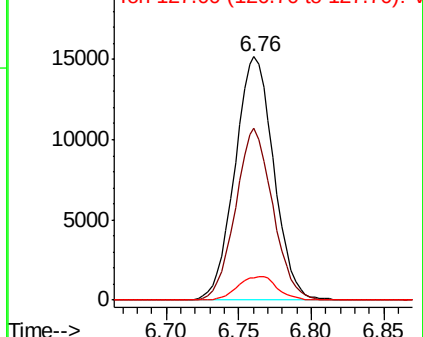
83 100

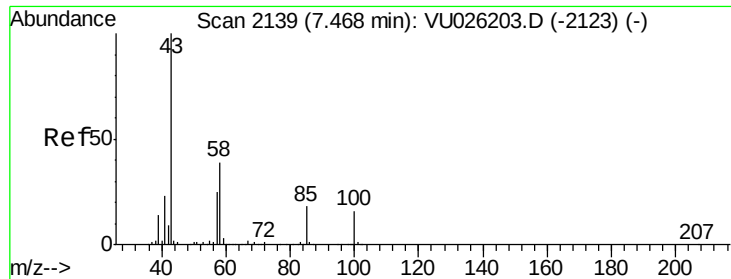
85 70.7 52.2 78.4

127 9.2 7.0 10.4



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

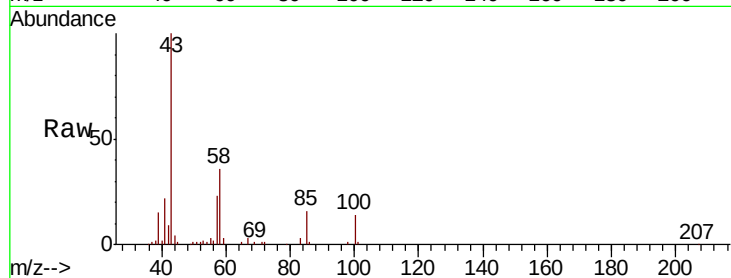




#45
4-Methyl-2-Pentanone
Concen: 10.034 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	18.8	56.4
85	16.7	12.6	19.0

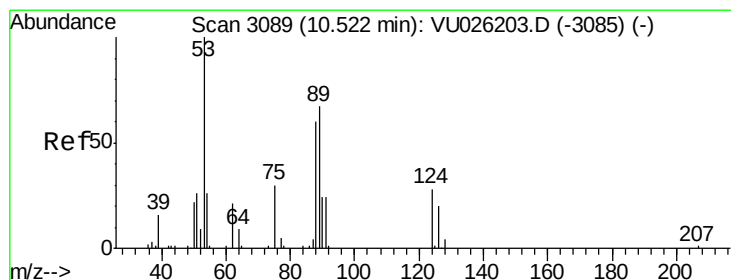
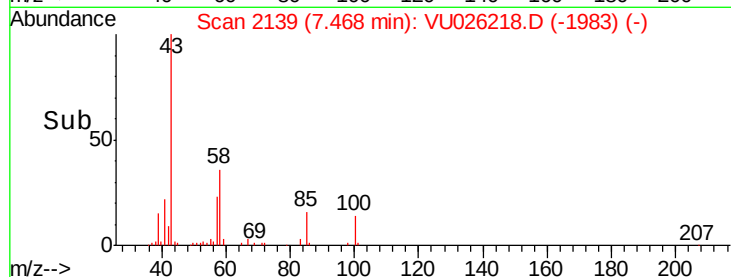
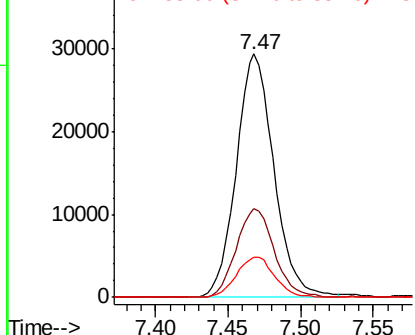


Abundance

Ion 43.00 (42.70 to 43.70): VU0

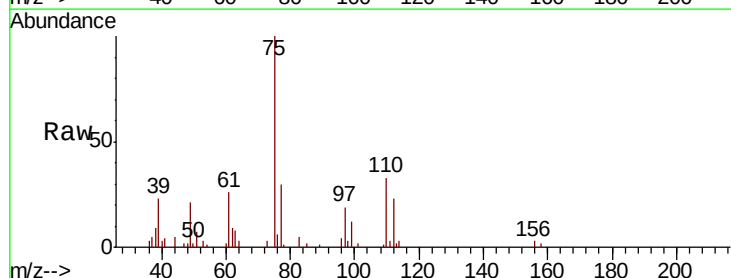
Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
t-1,4-Dichloro-2-butene
Concen: 9.003 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.03 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
53	33.5	82.2	123.4#
89	20.9	51.3	76.9#
88	18.3	37.4	56.2#



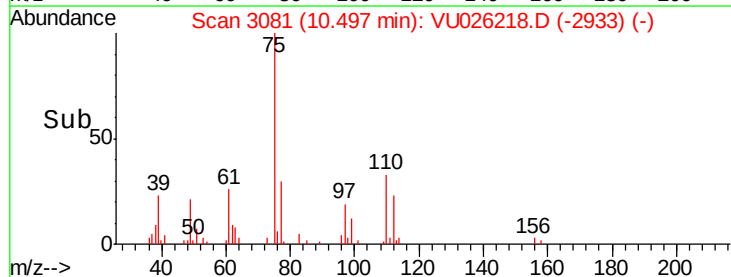
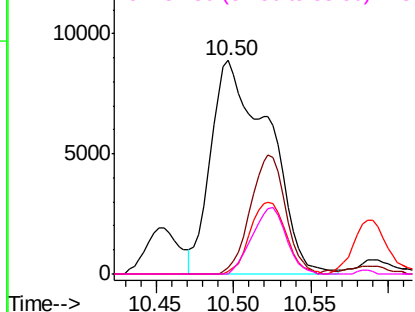
Abundance

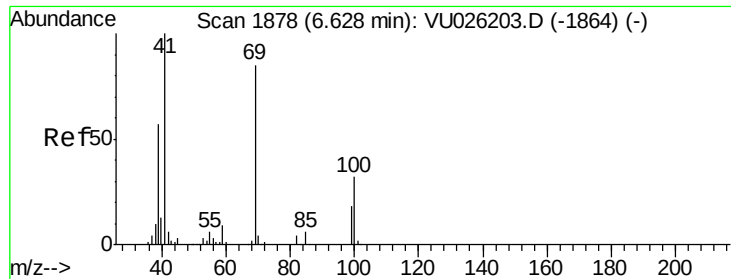
Ion 74.90 (74.60 to 75.60): VU0

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: 4.143 ug/l

RT: 6.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 69 Resp: 16496

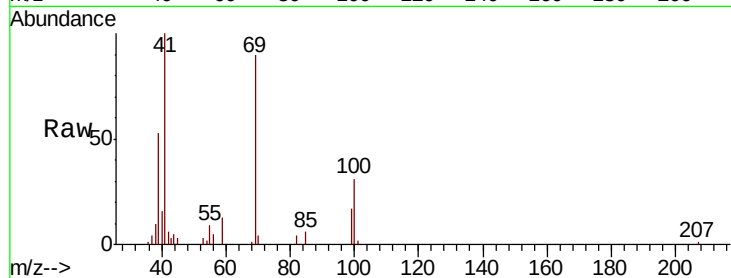
Ion Ratio Lower Upper

69 100

41 119.4 0.0 245.4

39 65.9 49.0 73.4

100 34.3 27.8 41.8

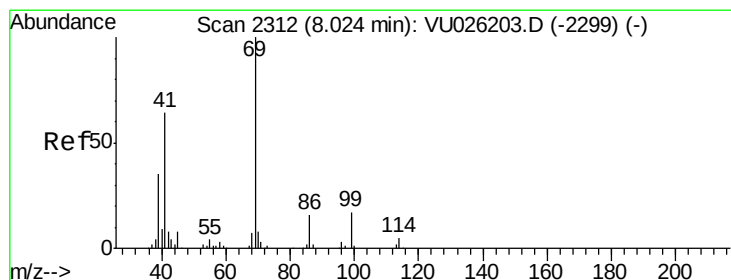
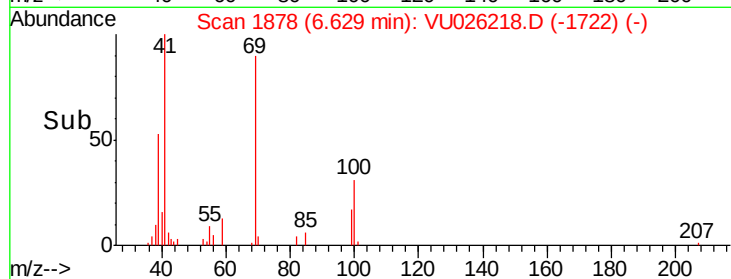
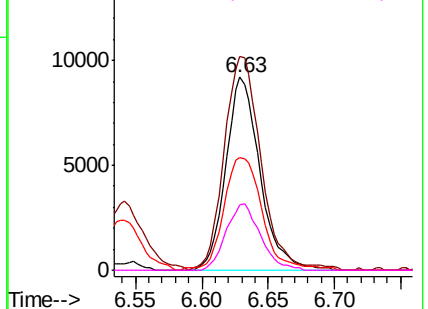


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 2.047 ug/l

RT: 8.02 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VU026218.D

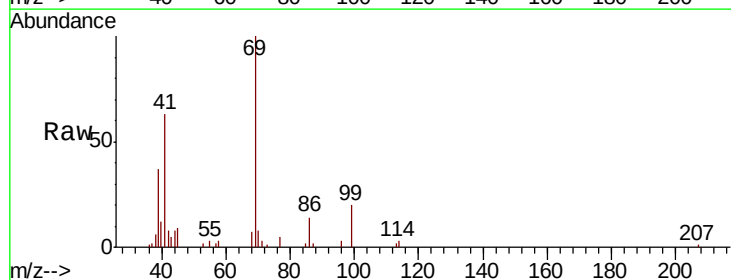
Acq: 20 Aug 2018 19:34

Tgt Ion: 69 Resp: 14915

Ion Ratio Lower Upper

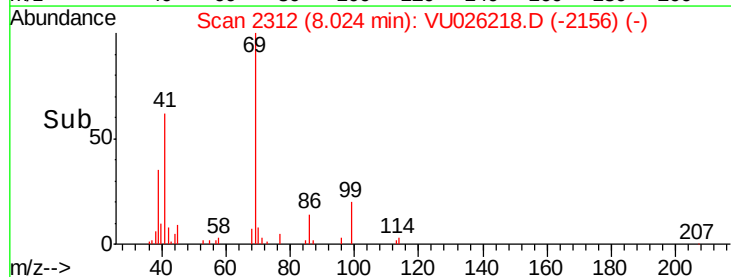
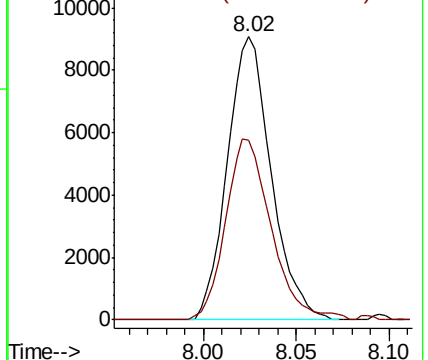
69 100

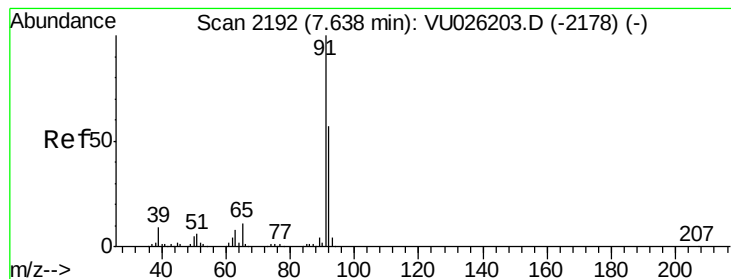
41 66.3 34.2 102.5



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 2.044 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

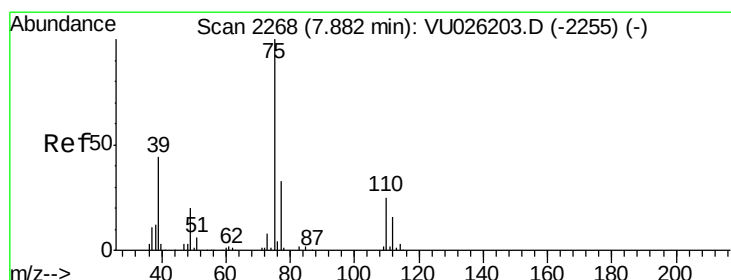
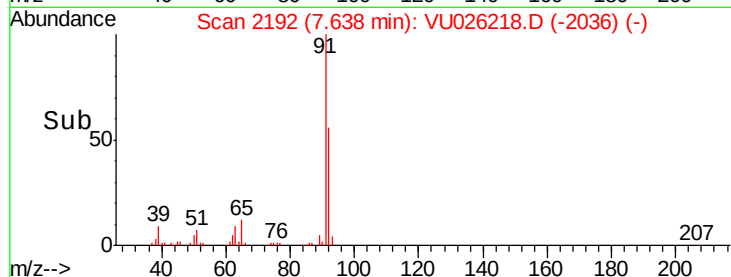
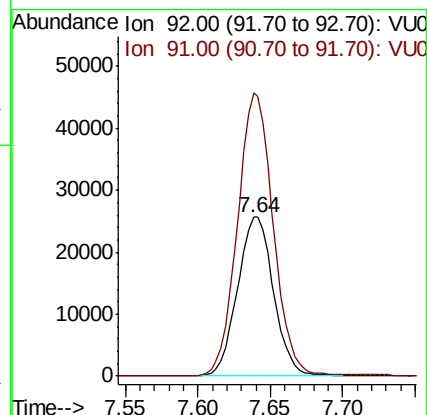
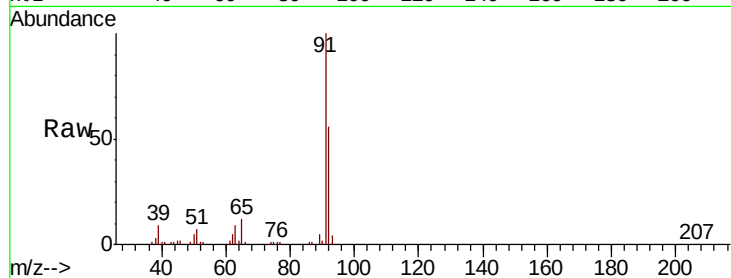
ClientSampleId :

Tot Ion: 92 Resp: 44203

Ion Ratio Lower Upper

92 100

91 176.6 137.1 205.7



#50

t-1,3-Dichloropropene

Concen: 1.975 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026218.D

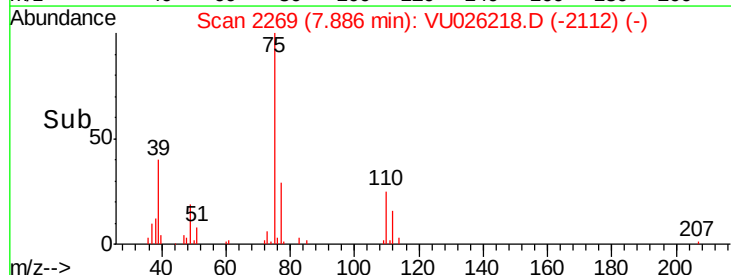
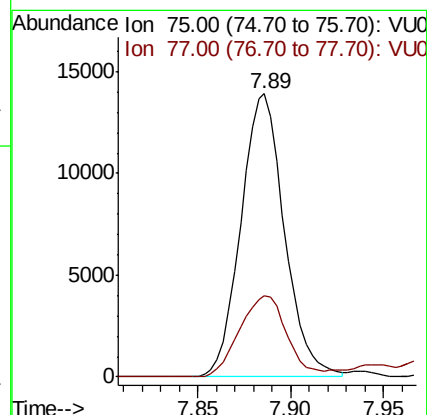
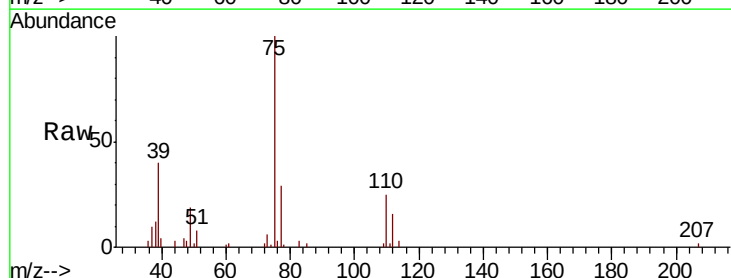
Acq: 20 Aug 2018 19:34

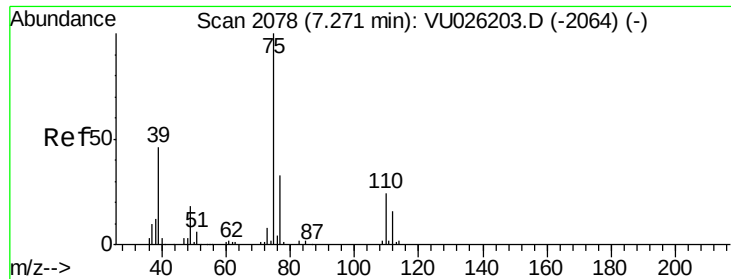
Tgt Ion: 75 Resp: 22660

Ion Ratio Lower Upper

75 100

77 28.9 25.2 37.8



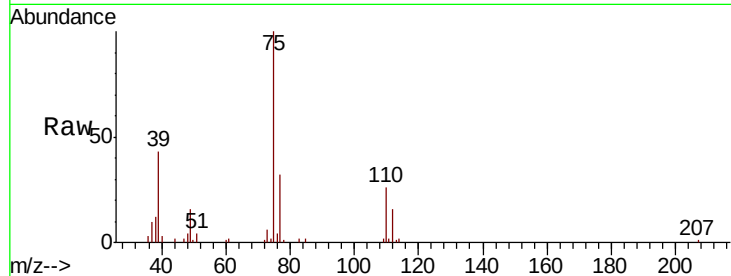


#51

cis-1,3-Dichloropropene
 Concen: 2.040 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	43.4	36.4	54.6

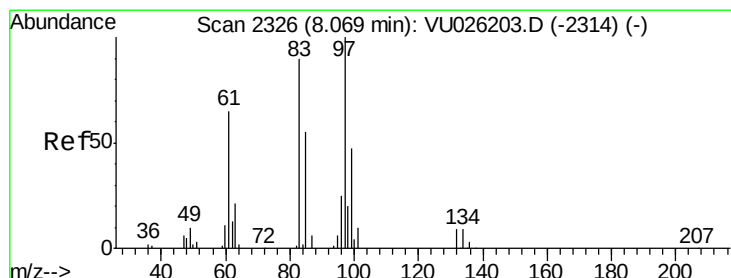
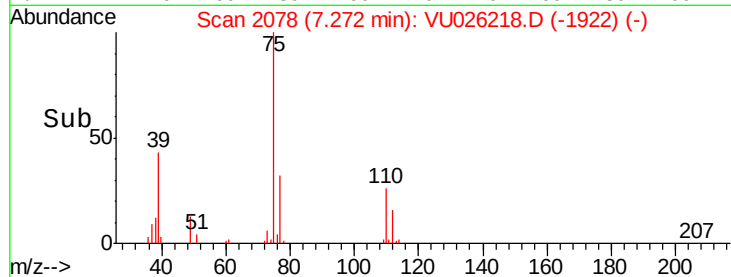
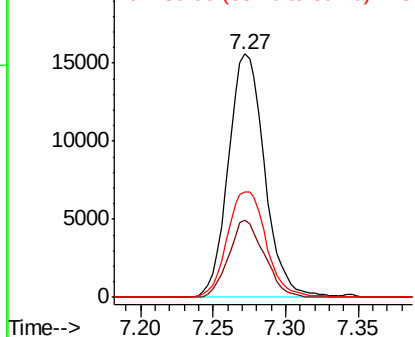


Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

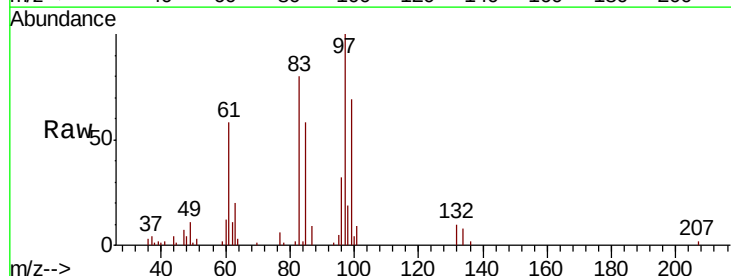
Ion 39.00 (38.70 to 39.70): VU0



#52

1,1,2-Trichloroethane
 Concen: 2.212 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.4	72.6	109.0
85	58.3	47.2	70.8
99	68.9	50.8	76.2



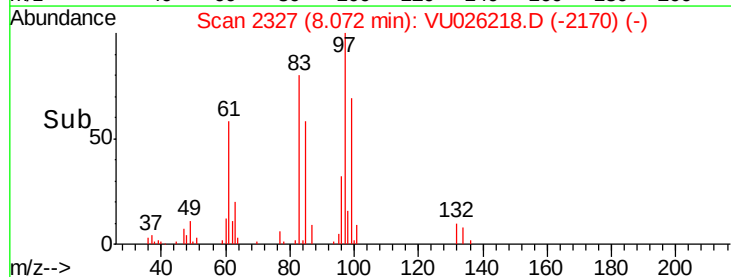
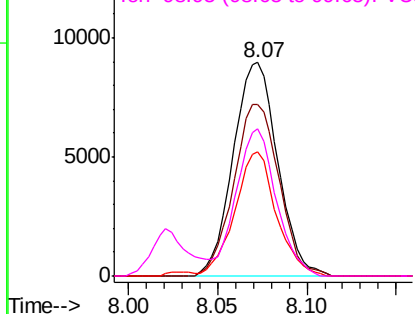
Abundance

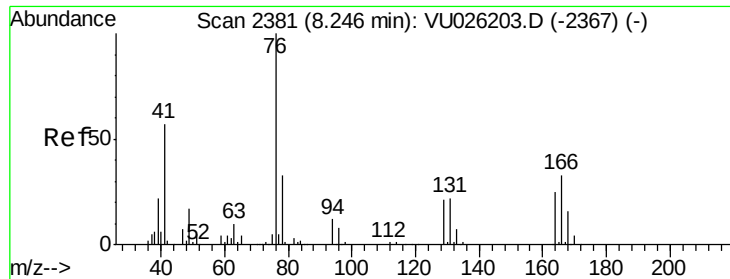
Ion 97.00 (96.70 to 97.70): VU0

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

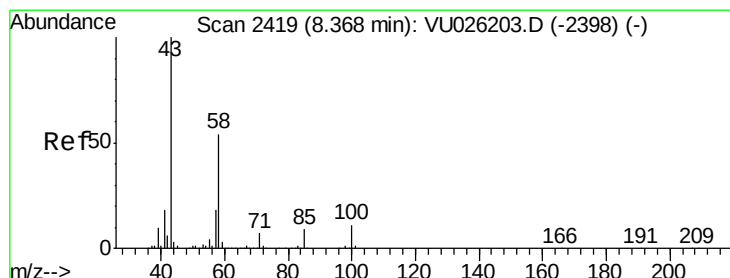
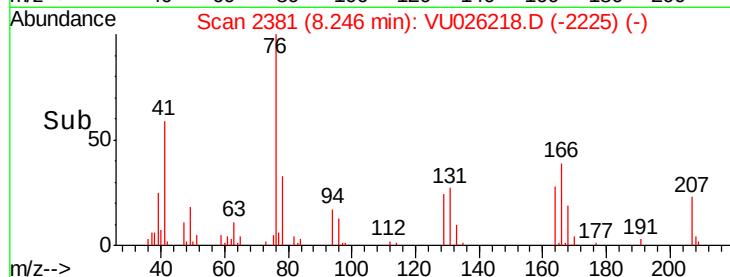
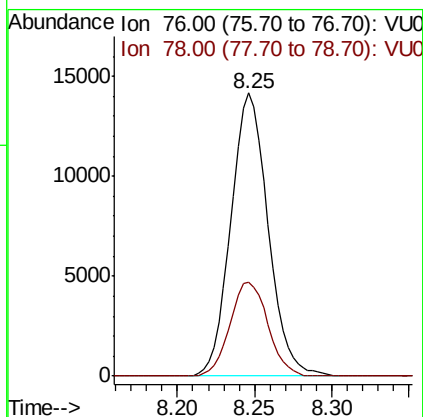
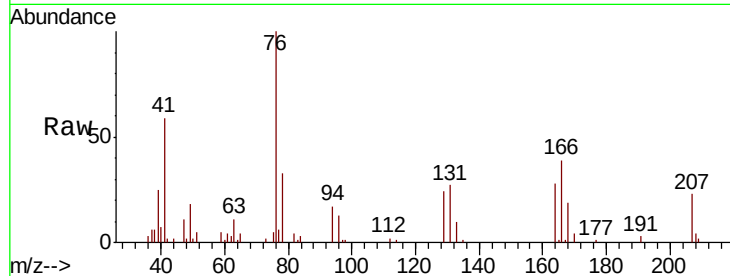




#53
 1,3-Dichloropropane
 Concen: 2.012 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

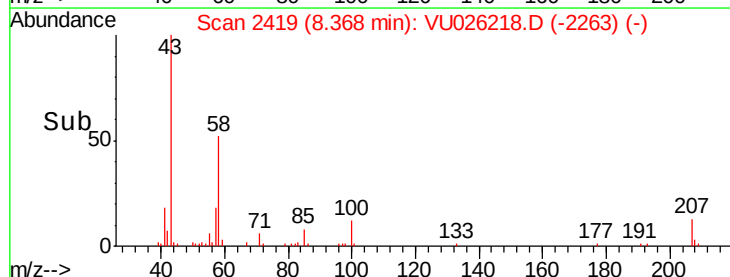
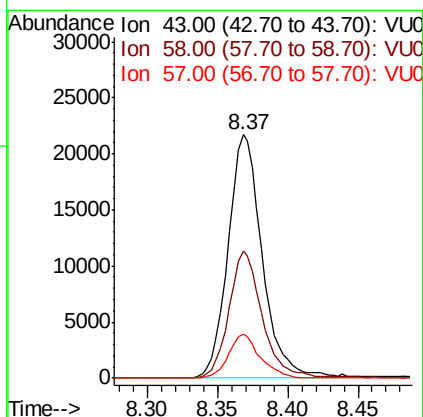
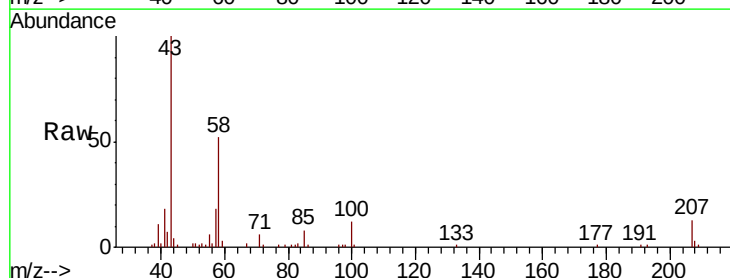
Instrument :
 MSVOA_U
 ClientSampleId :

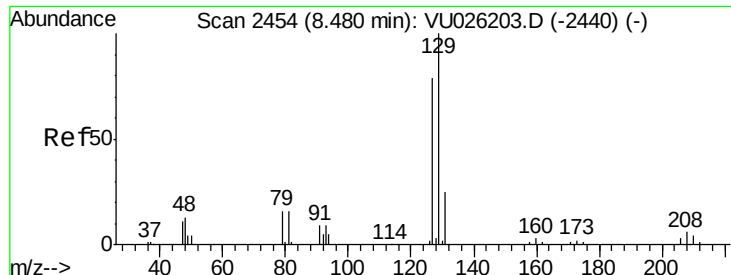
Tot Ion: 76 Resp: 23629
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.7 38.5



#54
 2-Hexanone
 Concen: 9.772 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion: 43 Resp: 36751
 Ion Ratio Lower Upper
 43 100
 58 50.6 32.5 72.5
 57 16.5 0.0 37.9





#55

Dibromochloromethane

Concen: 2.100 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

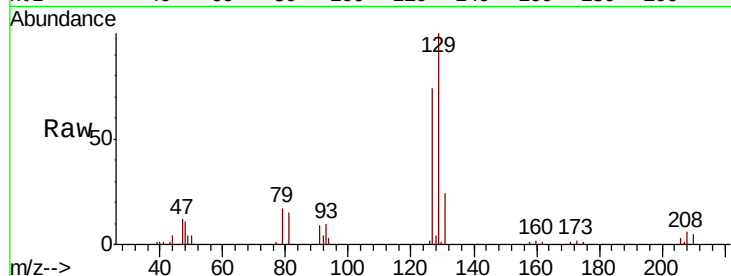
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 19838

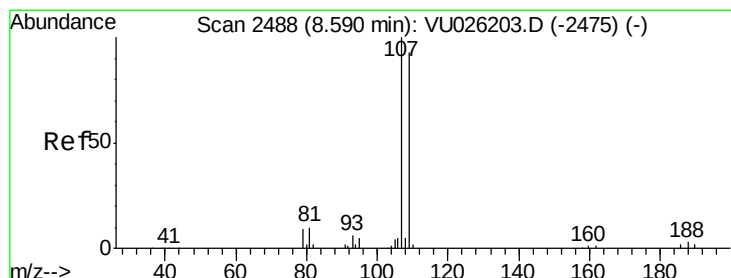
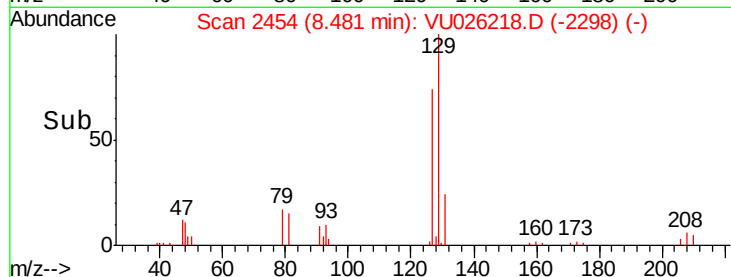
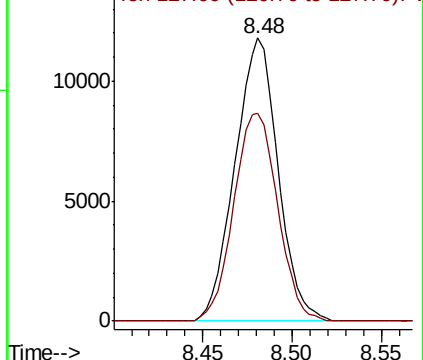
Ion Ratio Lower Upper

129 100

127 74.9 61.1 91.7



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



#56

1,2-Dibromoethane

Concen: 2.089 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU026218.D

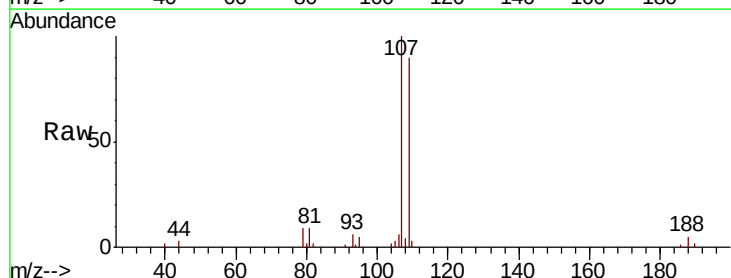
Acq: 20 Aug 2018 19:34

Tgt Ion:107 Resp: 14364

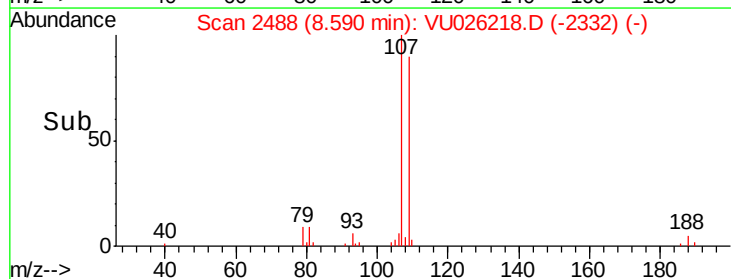
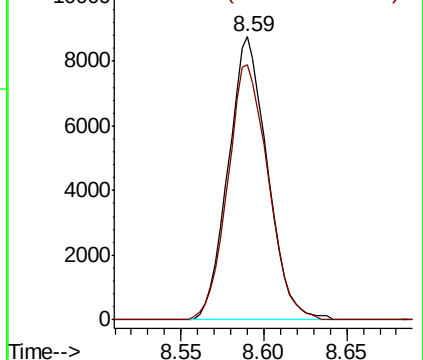
Ion Ratio Lower Upper

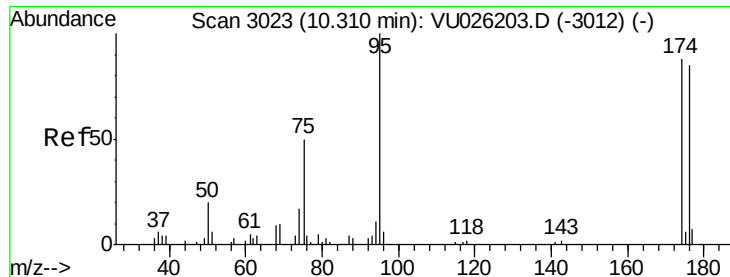
107 100

109 93.4 0.0 189.0



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

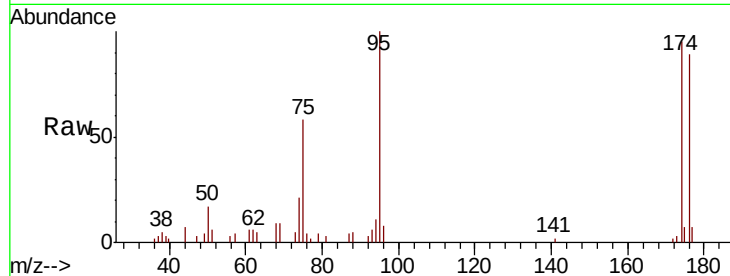




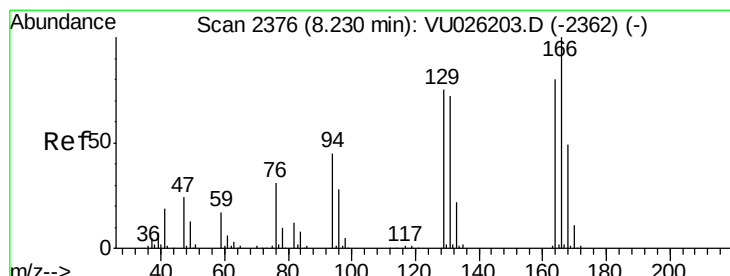
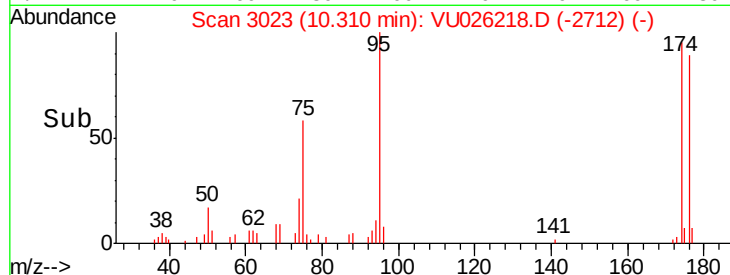
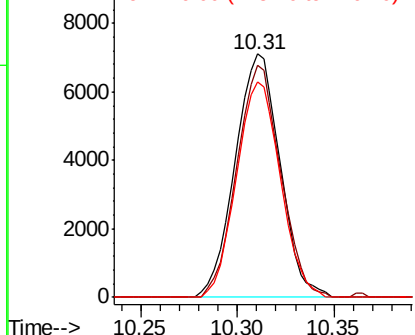
#57
4-Bromofluorobenzene
Concen: 2.089 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 95 Resp: 11446
Ion Ratio Lower Upper
95 100
174 93.0 65.6 98.4
176 87.0 62.0 93.0

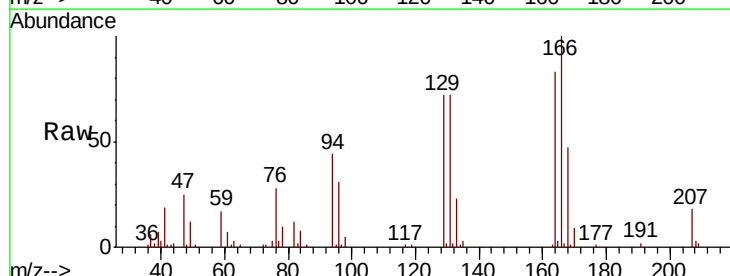


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

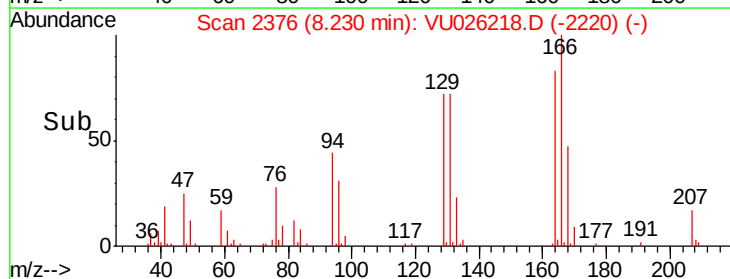
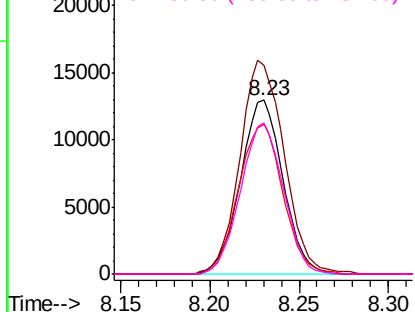


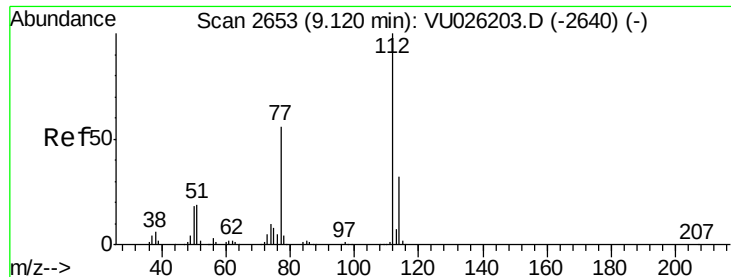
#58
Tetrachloroethene
Concen: 2.146 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion:164 Resp: 21625
Ion Ratio Lower Upper
164 100
166 120.2 104.1 156.1
129 86.2 76.8 115.2
131 86.7 72.6 108.8



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

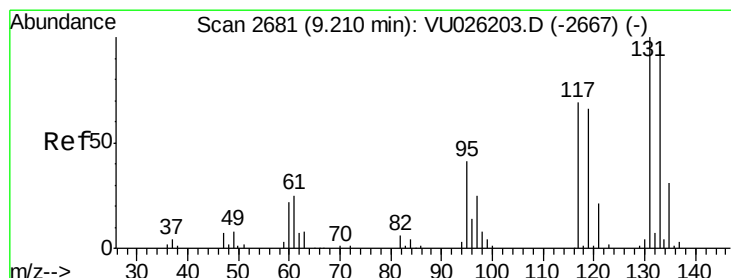
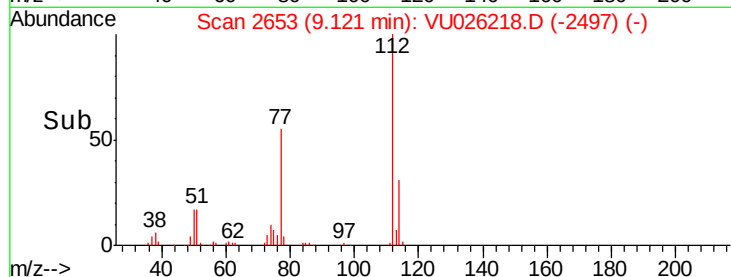
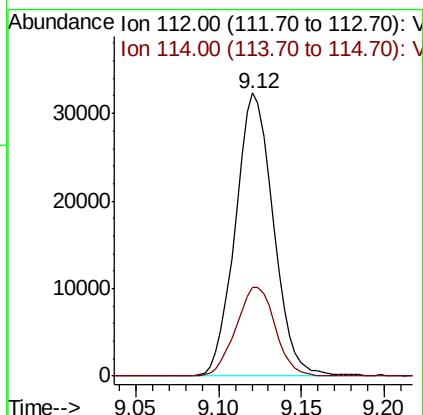
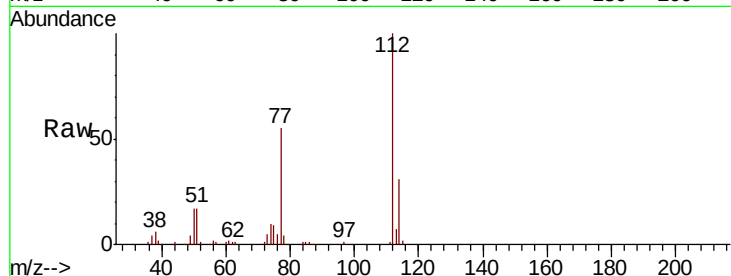




#59
Chlorobenzene
Concen: 2.064 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

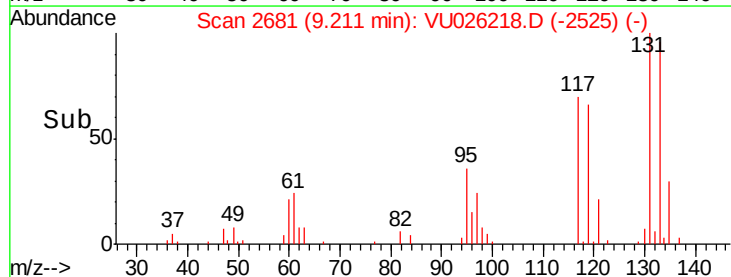
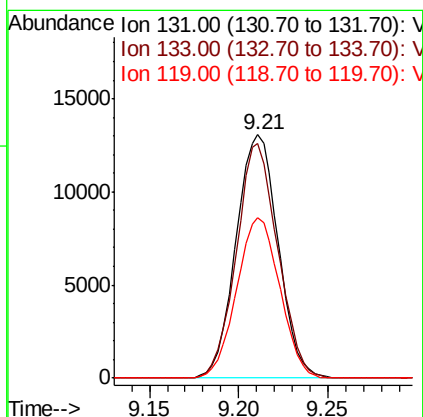
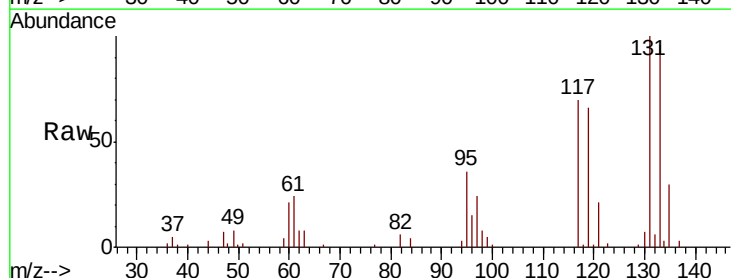
Instrument :
MSVOA_U
ClientSampleId :

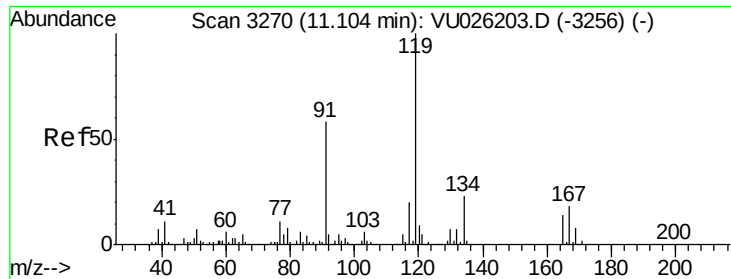
Tot Ion:112 Resp: 51690
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2



#60
1,1,1,2-Tetrachloroethane
Concen: 2.160 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion:131 Resp: 21572
Ion Ratio Lower Upper
131 100
133 94.7 75.8 113.8
119 67.4 53.0 79.6

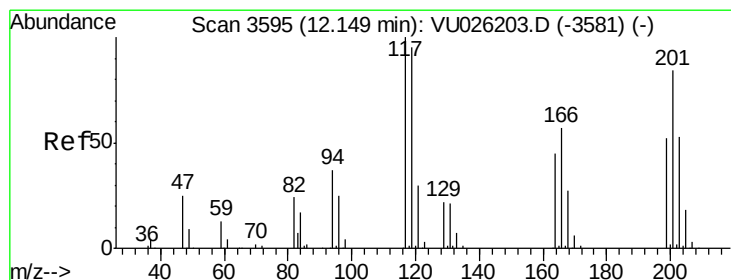
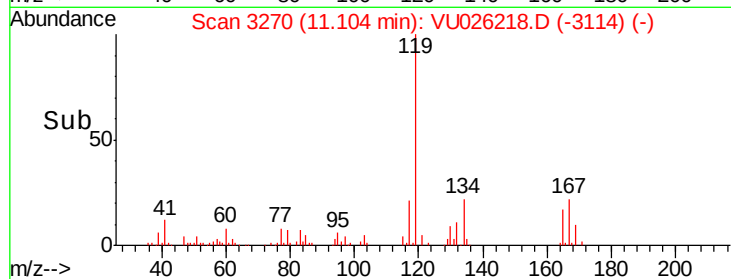
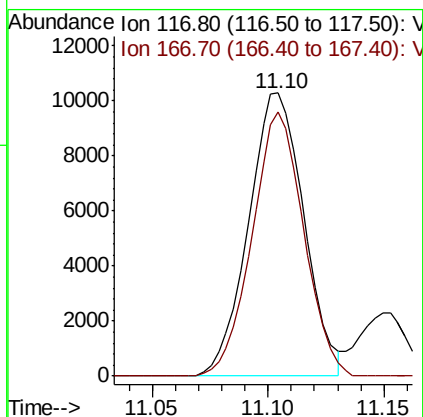
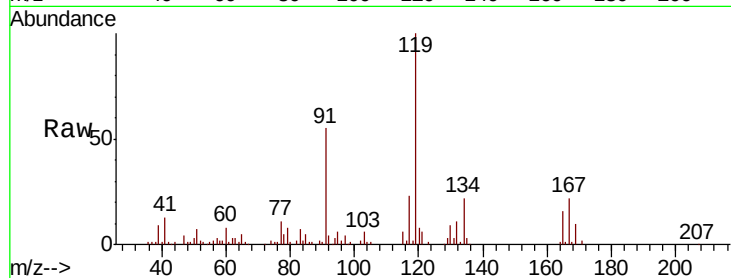




#61
 Pentachloroethane
 Concen: 2.004 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

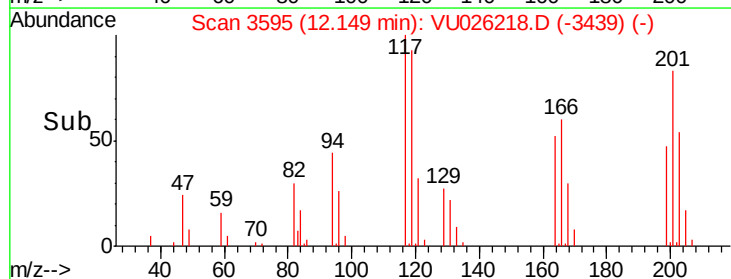
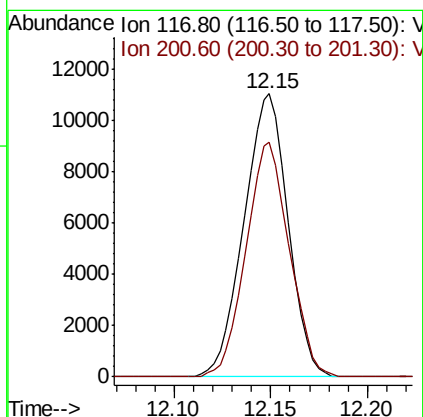
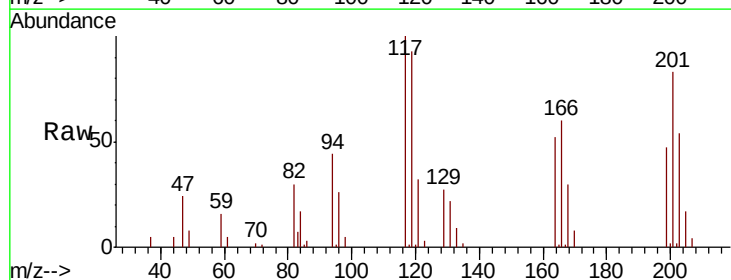
Instrument :
 MSVOA_U
 ClientSampleId :

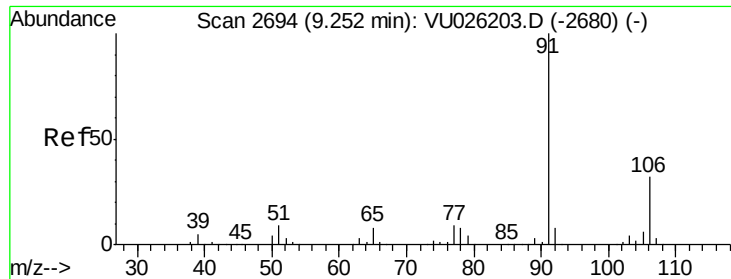
Tot Ion:117 Resp: 17078
 Ion Ratio Lower Upper
 117 100
 167 86.9 69.2 103.8



#62
 Hexachloroethane
 Concen: 2.056 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion:117 Resp: 17475
 Ion Ratio Lower Upper
 117 100
 201 81.5 68.7 103.1

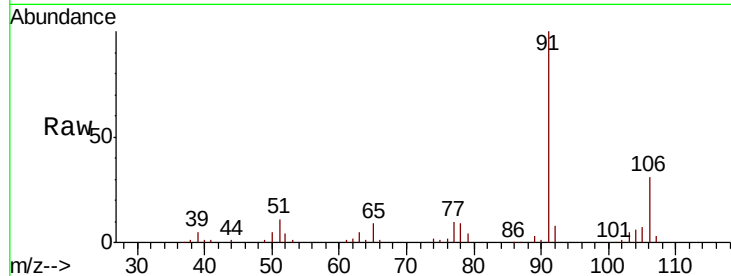




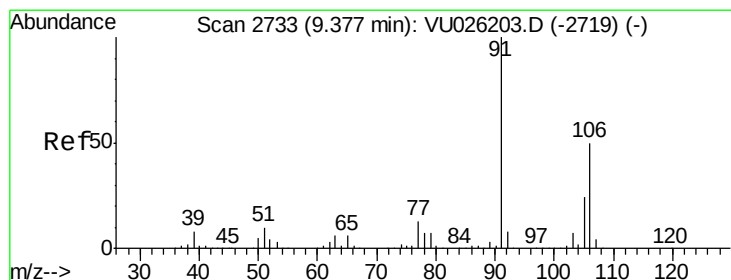
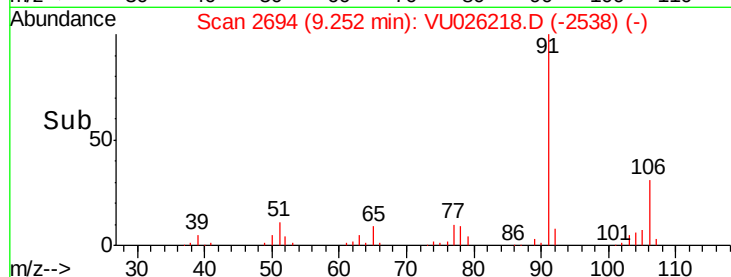
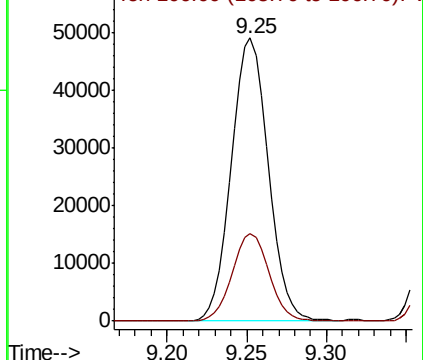
#63
Ethyl Benzene
Concen: 1.944 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 77280
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

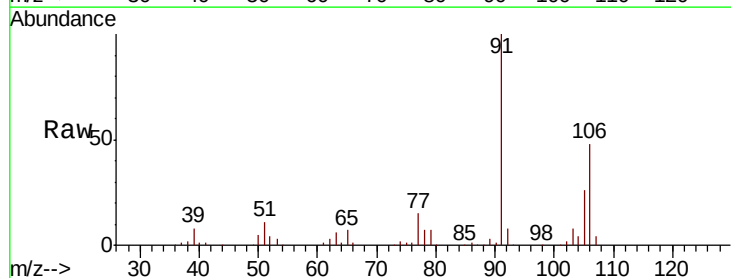


Abundance Ion 91.00 (90.70 to 91.70): VU026218.D (-2538) (-)
Ion 106.00 (105.70 to 106.70): VU026218.D (-2538) (-)

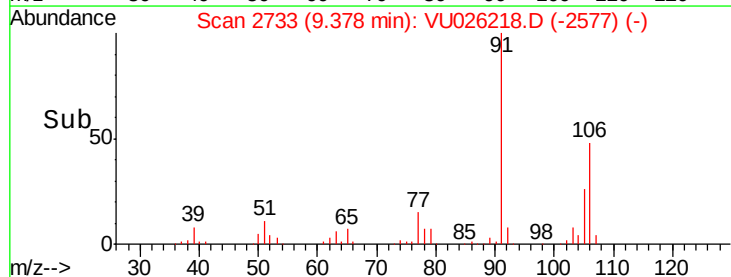
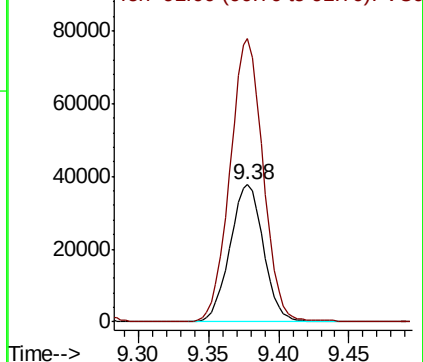


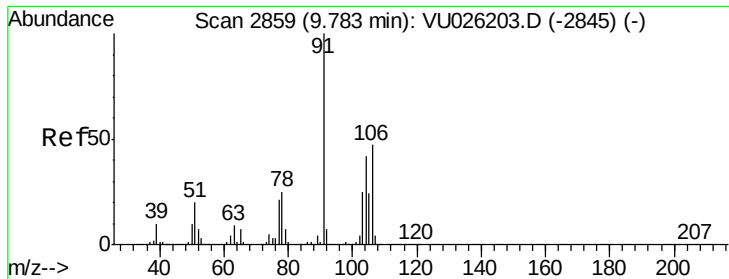
#64
m/p-Xylenes
Concen: 3.947 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion: 106 Resp: 62612
Ion Ratio Lower Upper
106 100
91 203.2 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): VU026218.D (-2577) (-)
Ion 91.00 (90.70 to 91.70): VU026218.D (-2577) (-)





#65

o-Xylene

Concen: 2.064 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

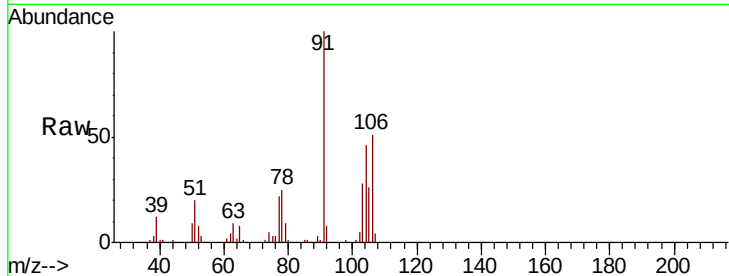
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 31221

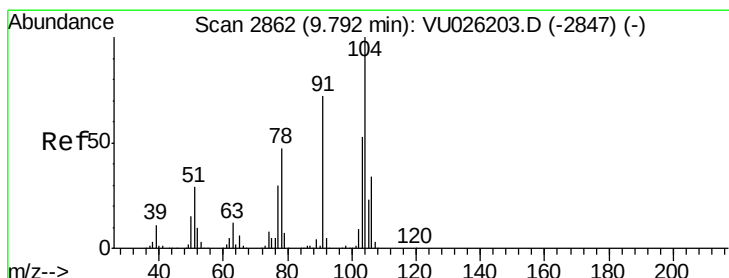
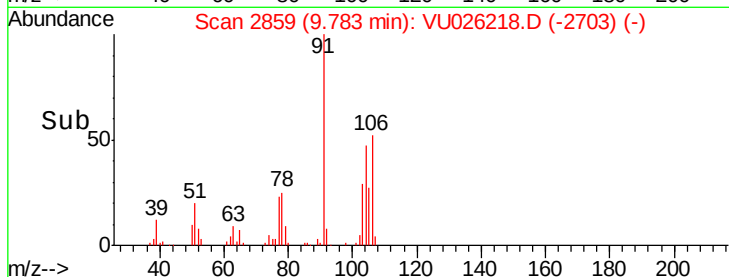
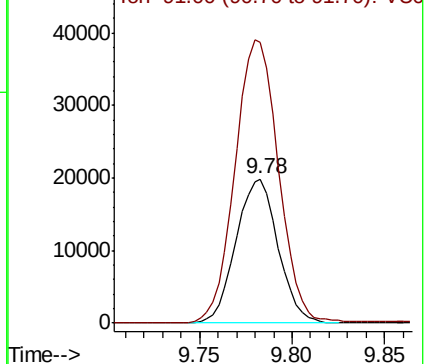
Ion Ratio Lower Upper

106 100

91 203.9 107.9 323.7



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



#66

Styrene

Concen: 2.044 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

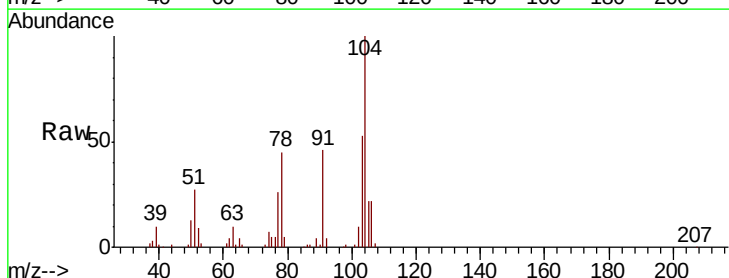
Tgt Ion:104 Resp: 52925

Ion Ratio Lower Upper

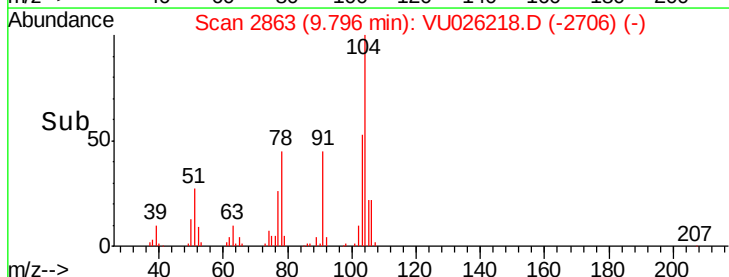
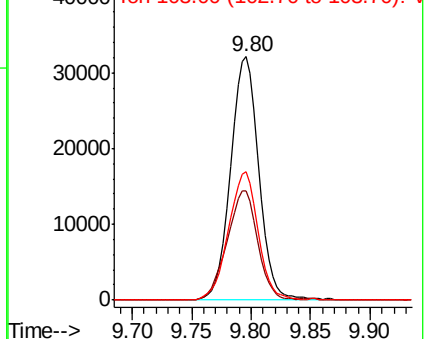
104 100

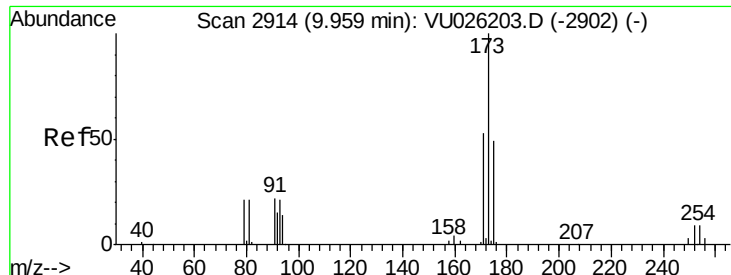
78 48.6 40.2 60.2

103 55.2 44.2 66.4



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

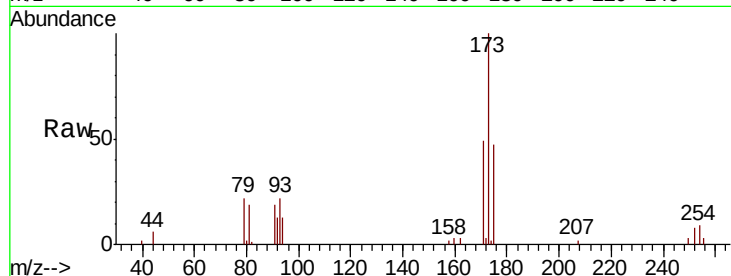




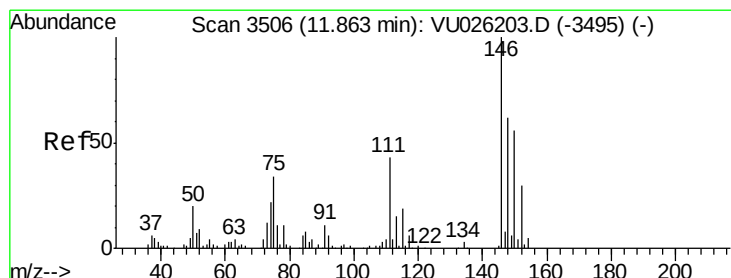
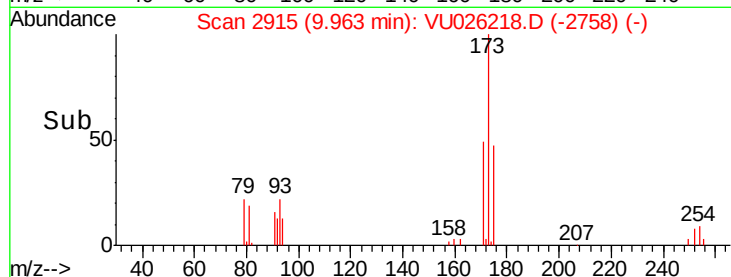
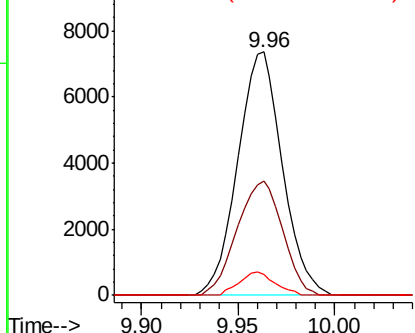
#67
 Bromoform
 Concen: 2.123 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:173 Resp: 11817
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.6 57.8
 254 7.7 8.8 13.2#

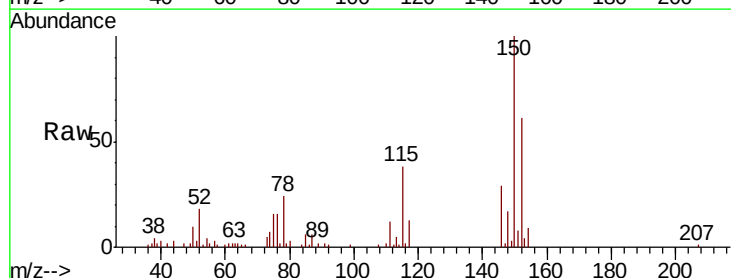


Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V

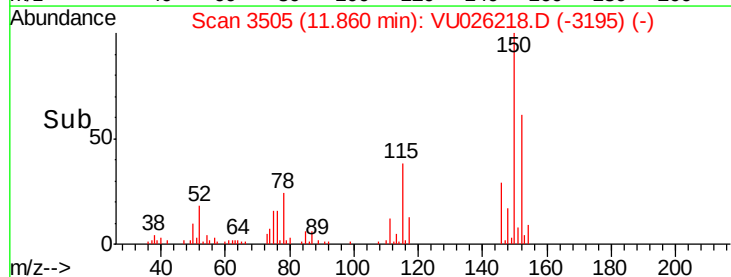
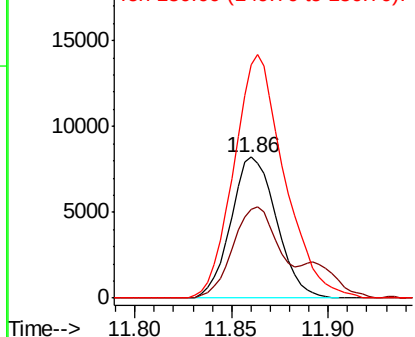


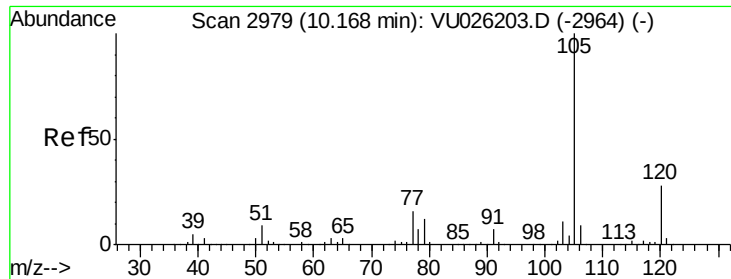
#68
 1,2-Dichlorobenzene-d4
 Concen: 2.123 ug/l
 RT: 11.86 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion:152 Resp: 13432
 Ion Ratio Lower Upper
 152 100
 115 65.1 0.0 118.8
 150 191.6 0.0 0.0#



Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.975 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

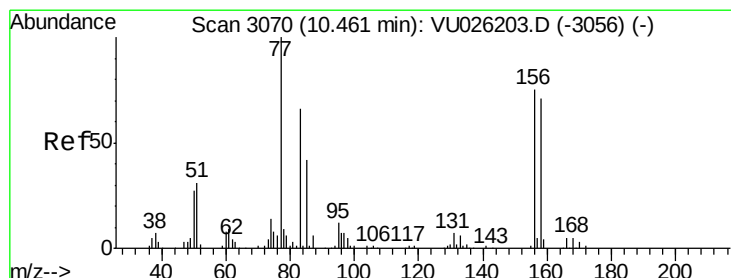
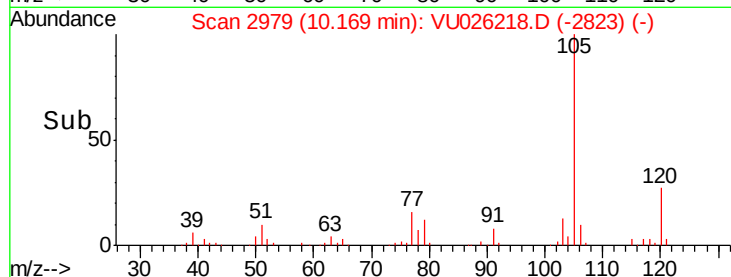
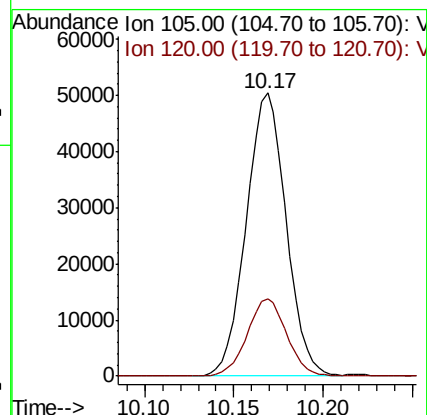
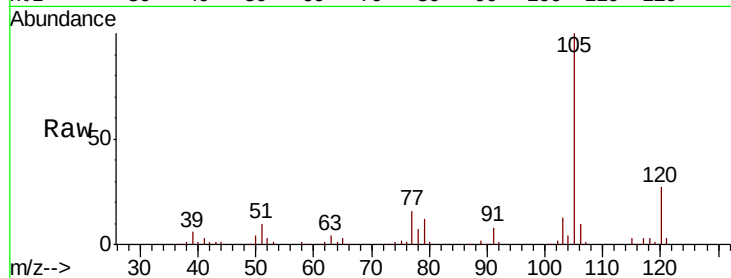
ClientSampled :

Tot Ion:105 Resp: 78988

Ion Ratio Lower Upper

105 100

120 27.1 13.1 39.3



#70

1,1,2,2-Tetrachloroethane

Concen: 2.116 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

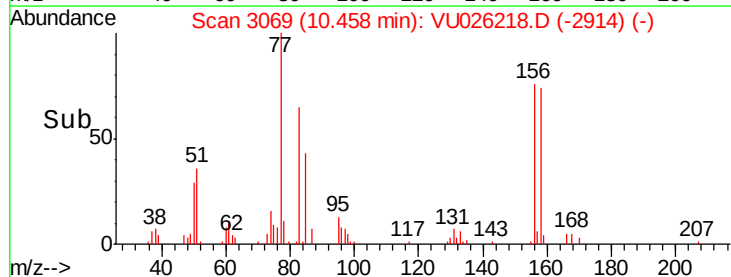
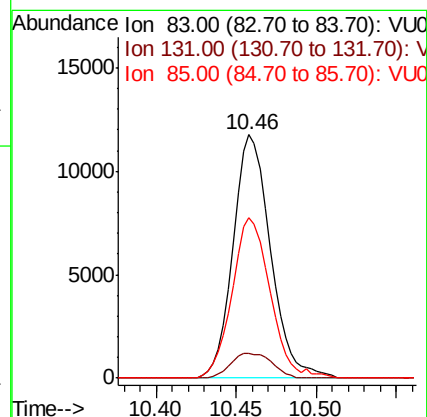
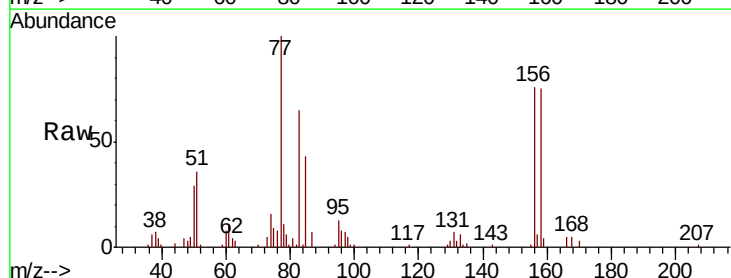
Tgt Ion: 83 Resp: 18763

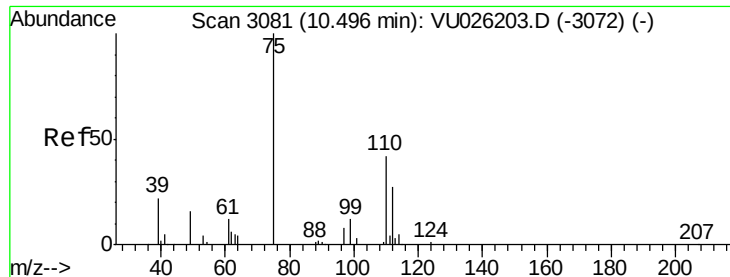
Ion Ratio Lower Upper

83 100

131 11.2 7.9 11.9

85 67.2 51.8 77.6

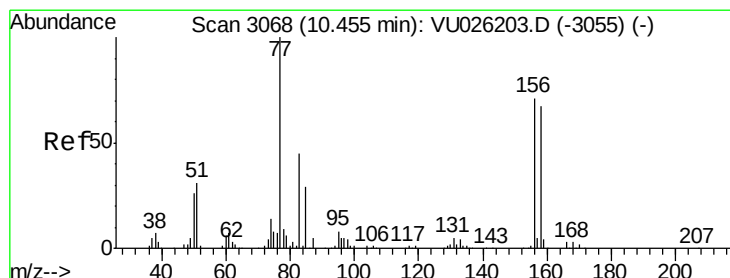
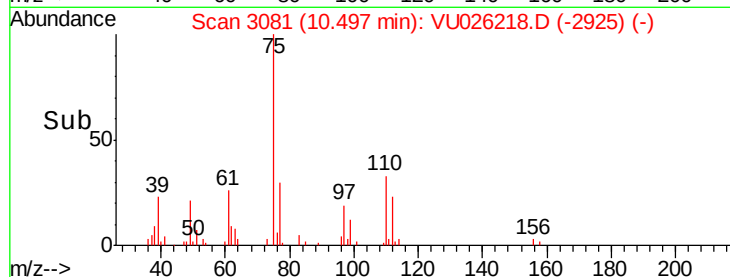
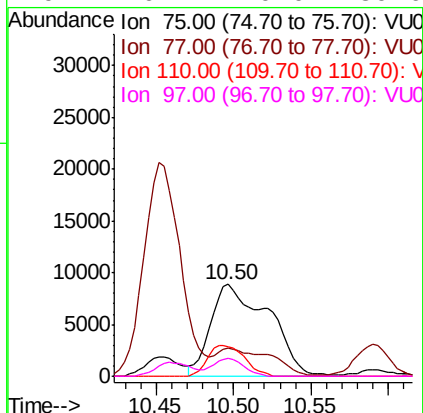
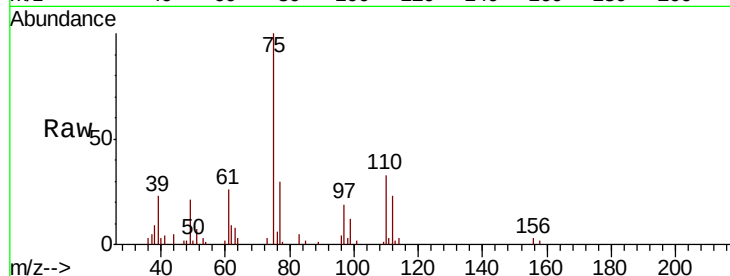




#71
 1,2,3-Trichloropropane
 Concen: 3.666 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

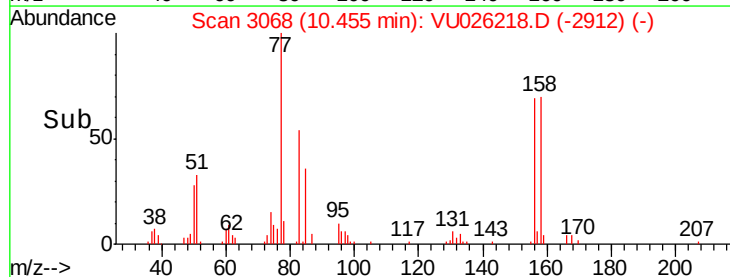
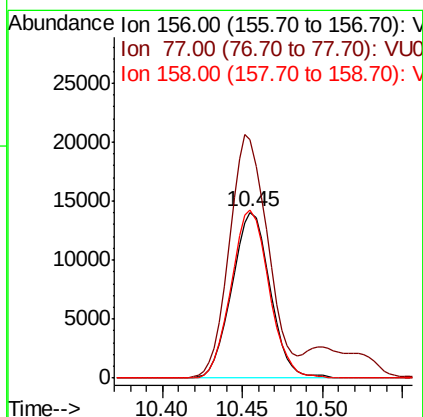
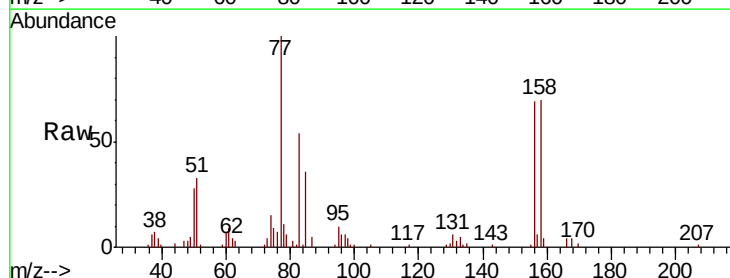
Instrument :
 MSVOA_U
 ClientSampleId :

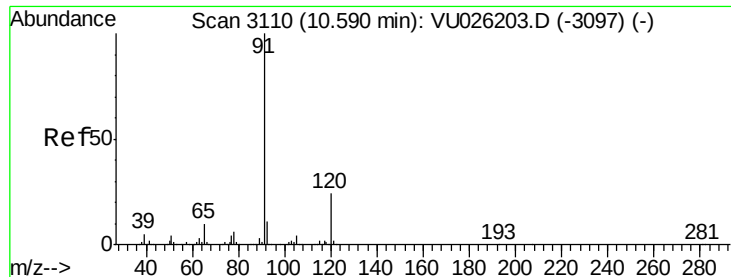
Tot Ion:	75	Resp:	23269
Ion	Ratio	Lower	Upper
75	100		
77	4.7	0.0	0.0#
110	21.2	0.0	74.0
97	10.7	0.0	39.6



#72
 Bromobenzene
 Concen: 2.036 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion:	156	Resp:	22782
Ion	Ratio	Lower	Upper
156	100		
77	148.8	0.0	309.8
158	100.8	0.0	193.0





#73

n-propylbenzene

Concen: 1.974 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

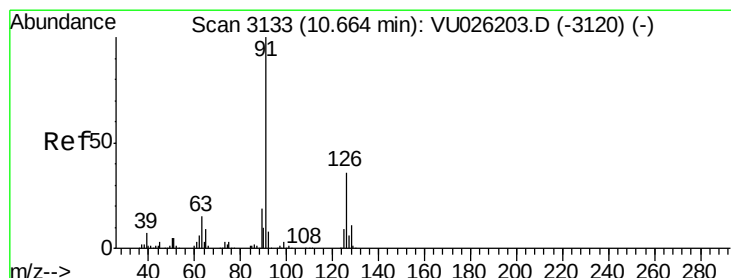
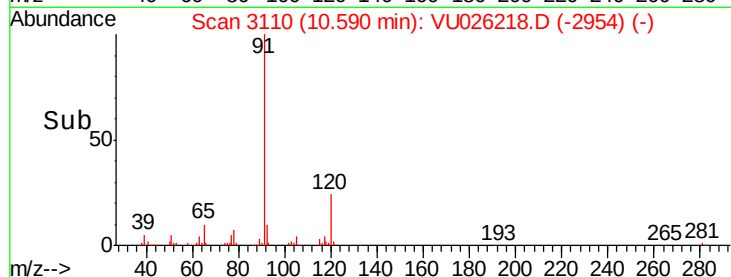
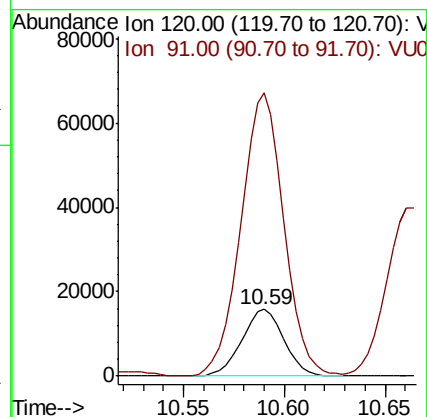
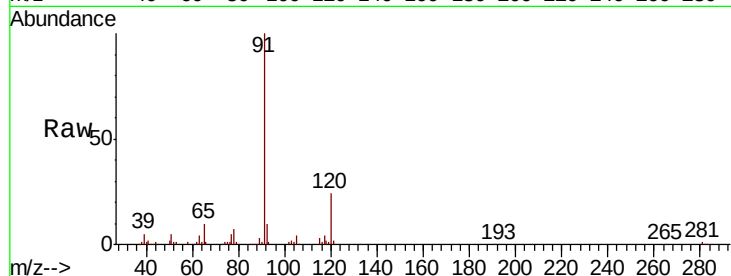
ClientSampleId :

Tot Ion:120 Resp: 23082

Ion Ratio Lower Upper

120 100

91 431.8 352.2 528.4



#74

2-Chlorotoluene

Concen: 2.143 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU026218.D

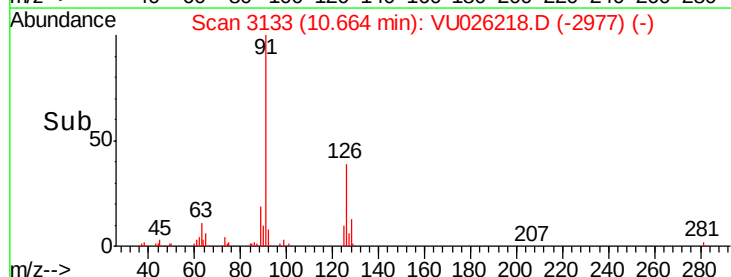
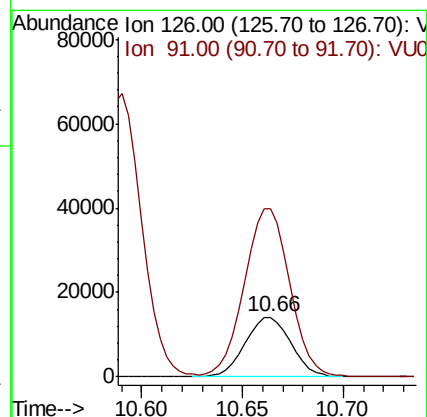
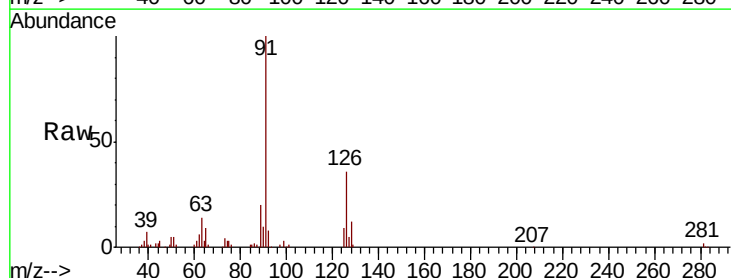
Acq: 20 Aug 2018 19:34

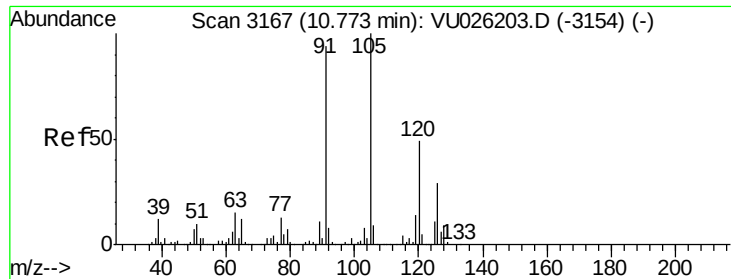
Tgt Ion:126 Resp: 22615

Ion Ratio Lower Upper

126 100

91 275.6 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 2.037 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

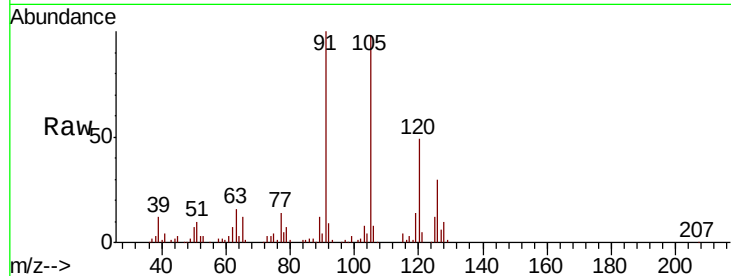
ClientSampleId :

Tot Ion:105 Resp: 72399

Ion Ratio Lower Upper

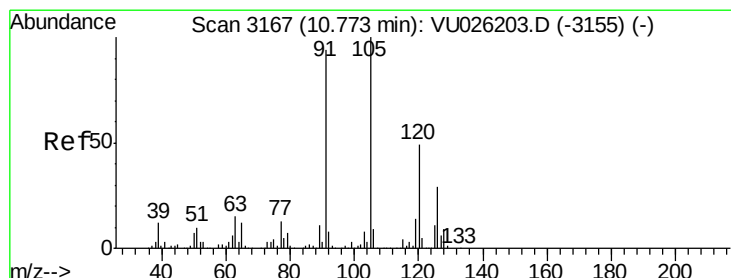
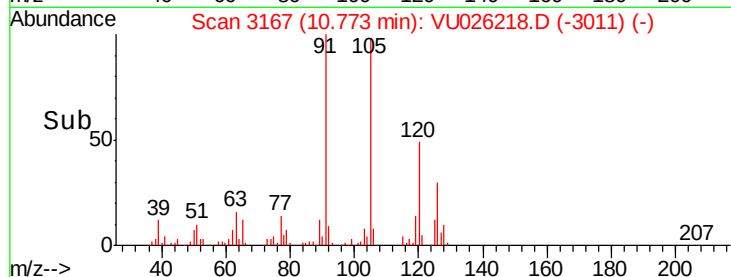
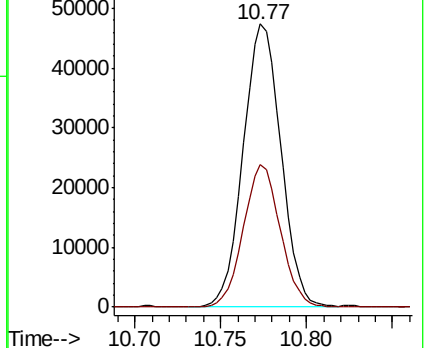
105 100

120 49.3 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 2.075 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026218.D

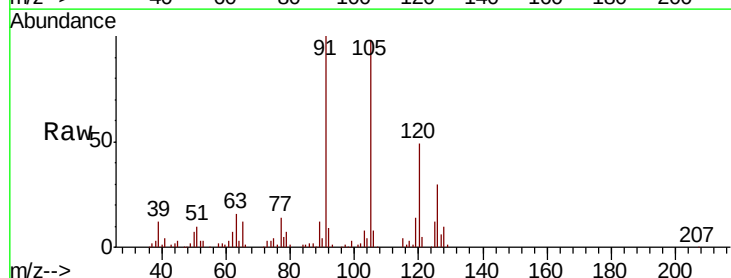
Acq: 20 Aug 2018 19:34

Tgt Ion:126 Resp: 22508

Ion Ratio Lower Upper

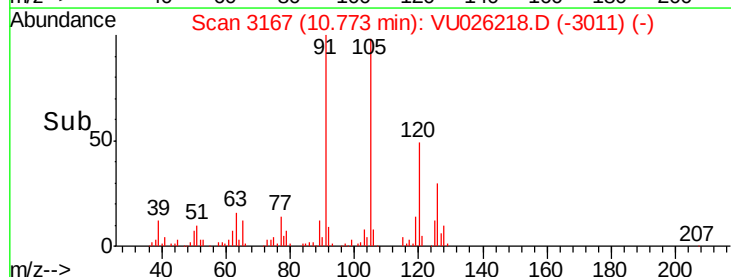
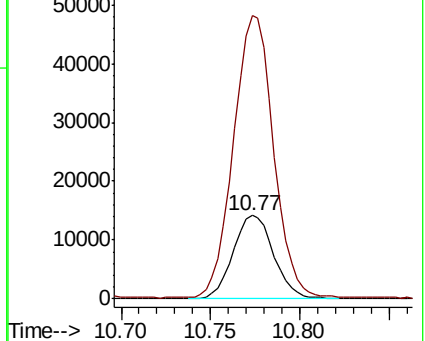
126 100

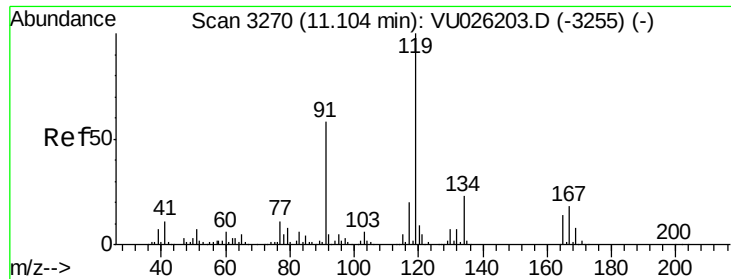
91 333.0 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

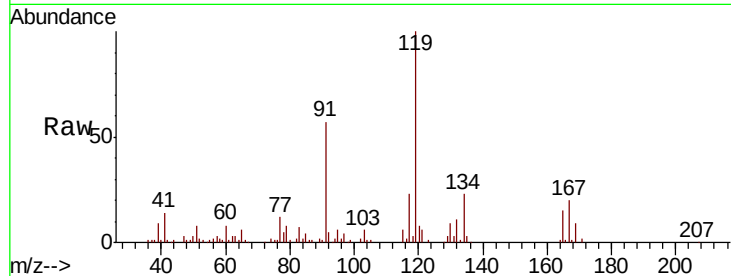




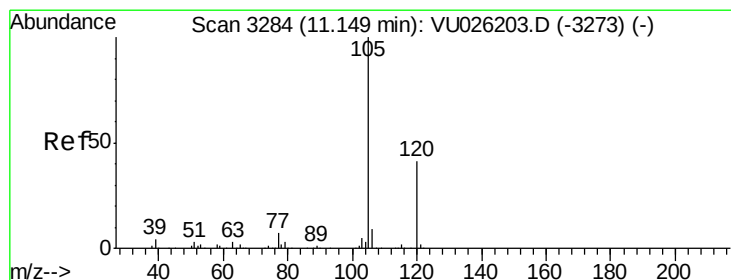
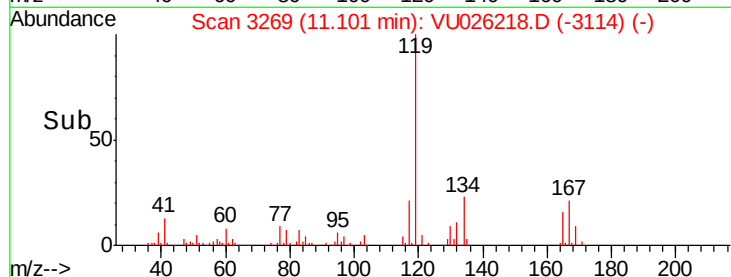
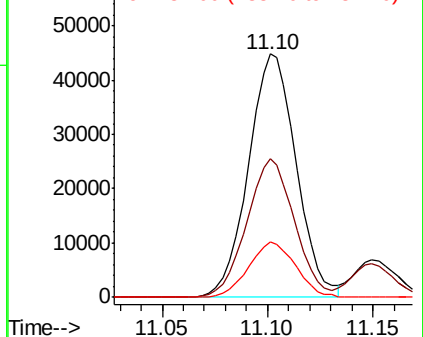
#77
 tert-Butylbenzene
 Concen: 1.992 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 70519
 Ion Ratio Lower Upper
 119 100
 91 56.7 29.6 88.8
 134 22.4 19.1 28.7

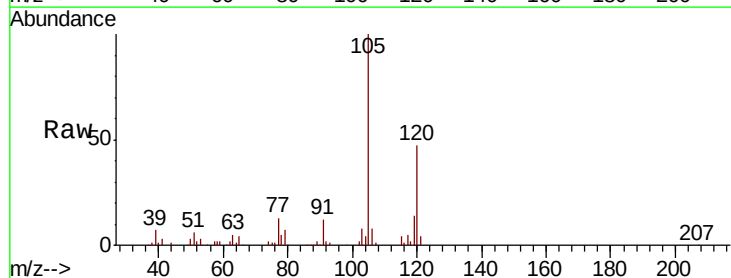


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

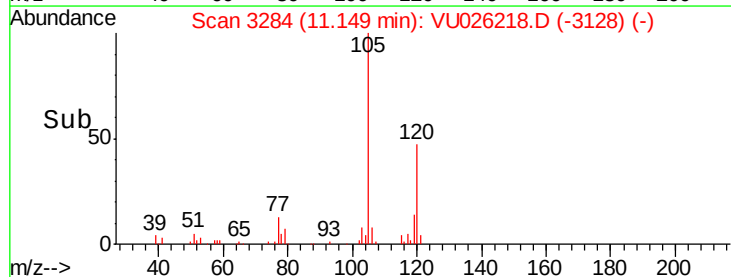
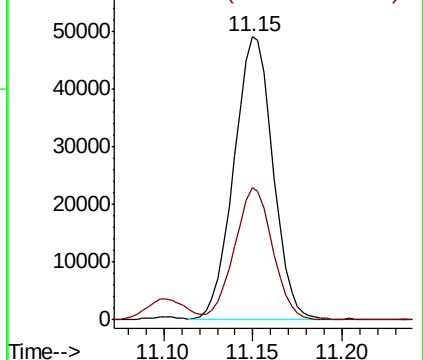


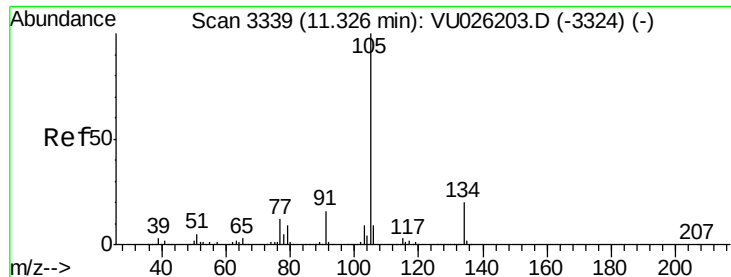
#78
 1,2,4-Trimethylbenzene
 Concen: 2.021 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion:105 Resp: 74330
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.3



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





#79

sec-Butylbenzene

Concen: 2.038 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

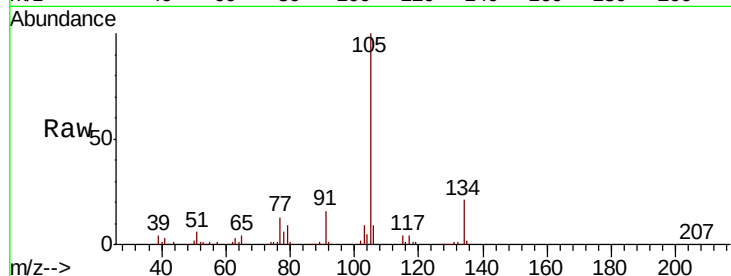
ClientSampleId :

Tot Ion:105 Resp: 94538

Ion Ratio Lower Upper

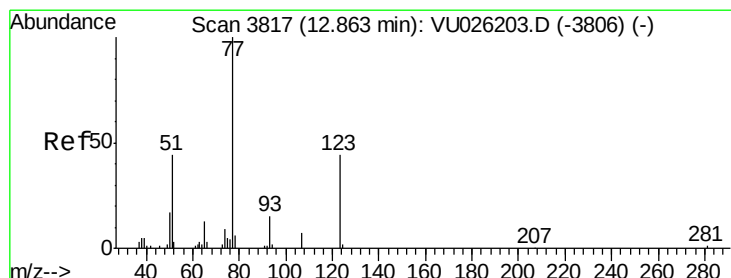
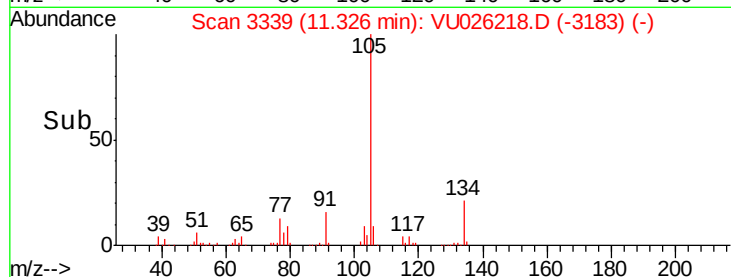
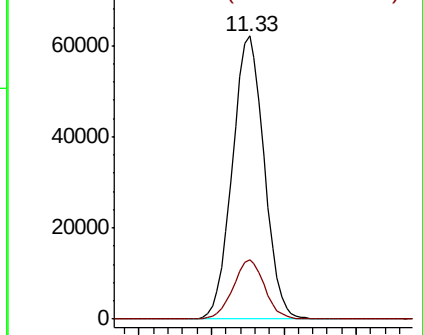
105 100

134 20.8 15.6 23.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 9.536 ug/l

RT: 12.86 min Scan# 3816

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

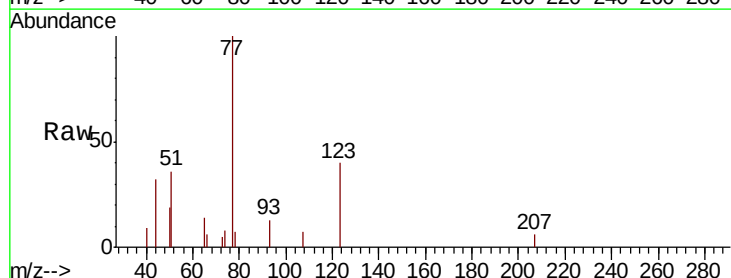
Tgt Ion: 77 Resp: 3694

Ion Ratio Lower Upper

77 100

123 47.9 19.4 68.6

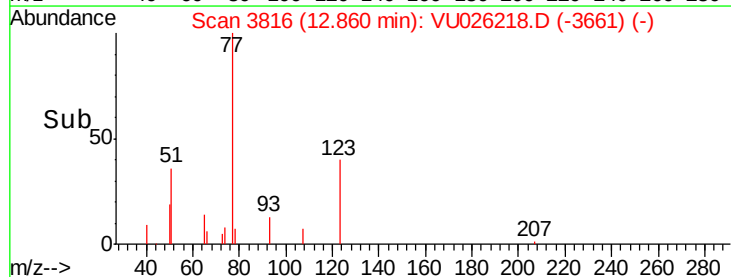
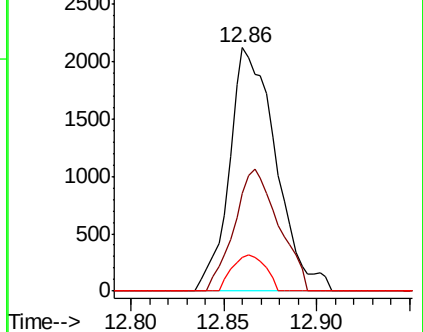
65 10.6 11.2 14.2#

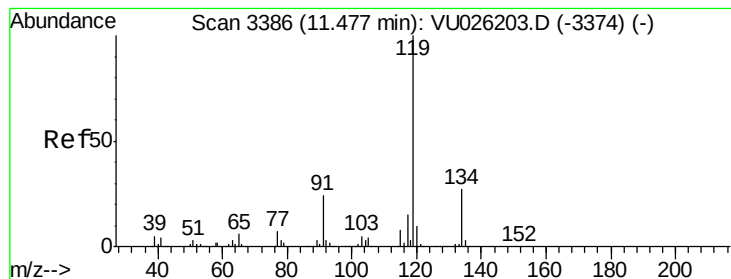


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 1.999 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

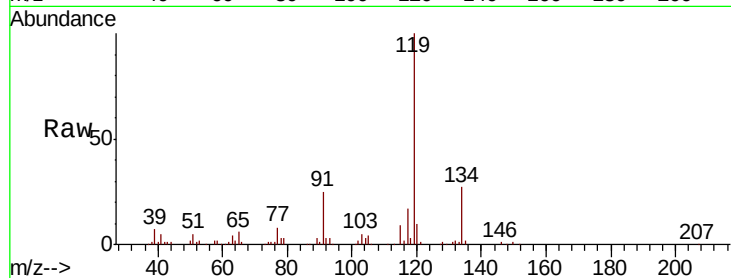
Tot Ion:119 Resp: 78415

Ion Ratio Lower Upper

119 100

134 27.1 20.9 31.3

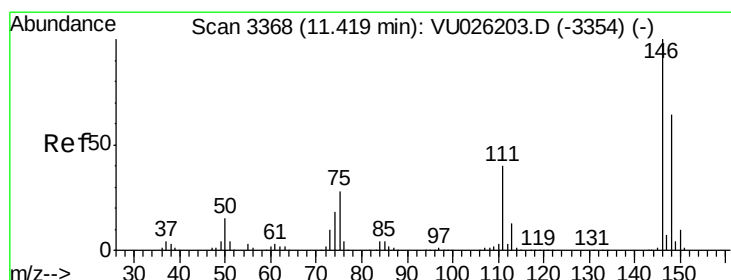
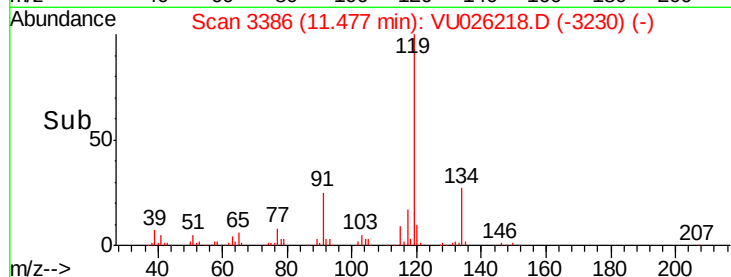
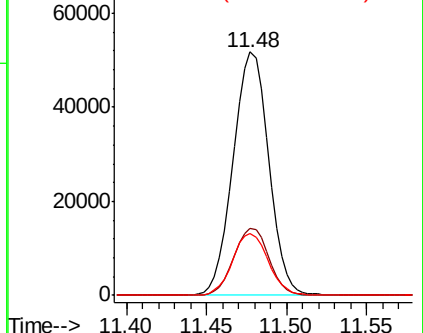
91 25.6 18.2 27.2



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): VU



#82

1,3-Dichlorobenzene

Concen: 2.087 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

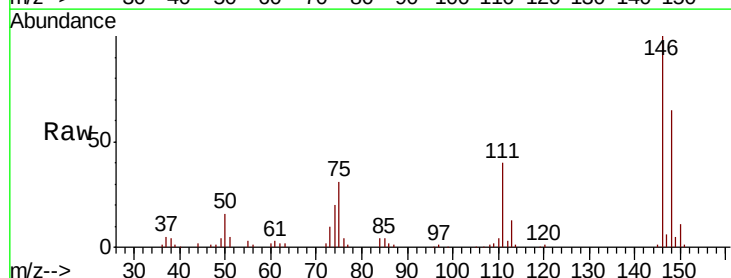
Tgt Ion:146 Resp: 49182

Ion Ratio Lower Upper

146 100

111 39.4 31.8 47.6

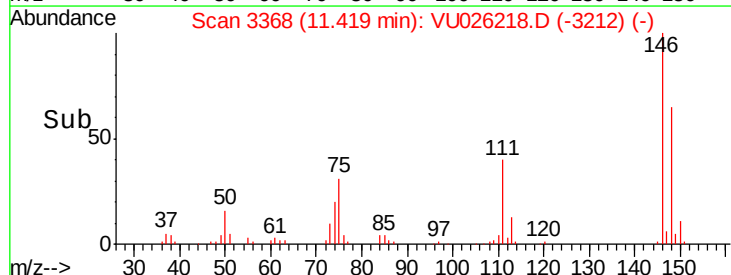
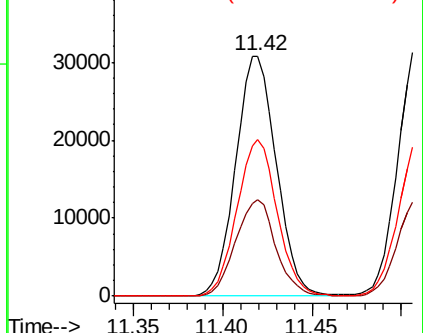
148 64.5 51.0 76.4

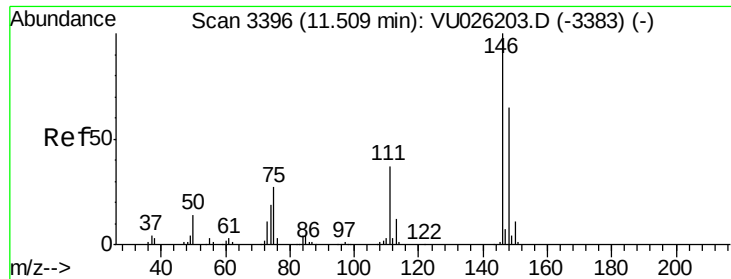


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83

1,4-Dichlorobenzene

Concen: 2.168 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

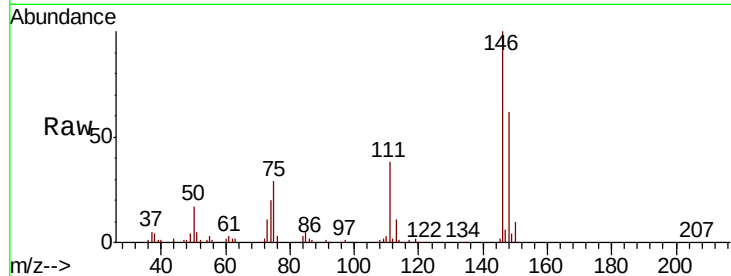
Tot Ion:146 Resp: 51028

Ion Ratio Lower Upper

146 100

111 37.2 30.1 45.1

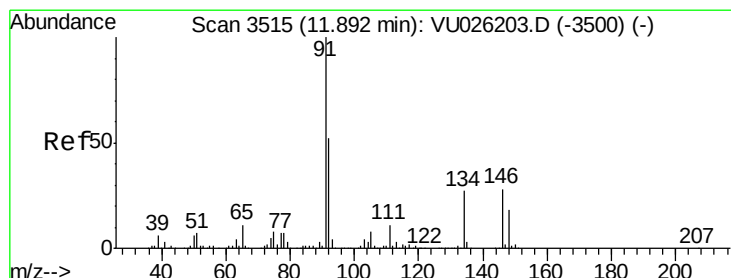
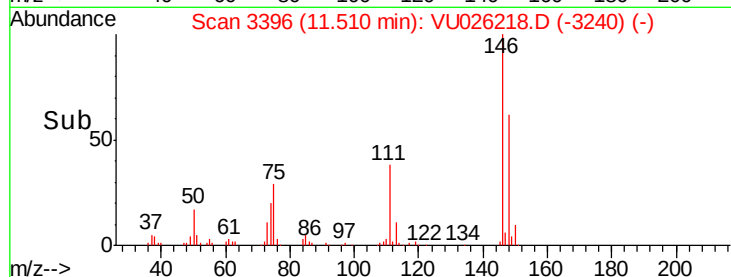
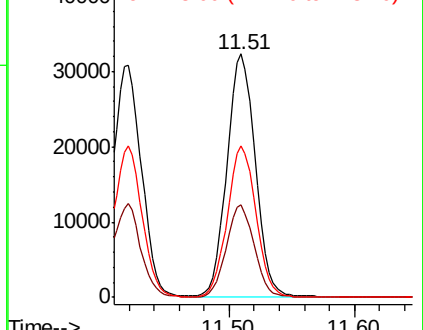
148 62.5 50.6 76.0



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: 2.014 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

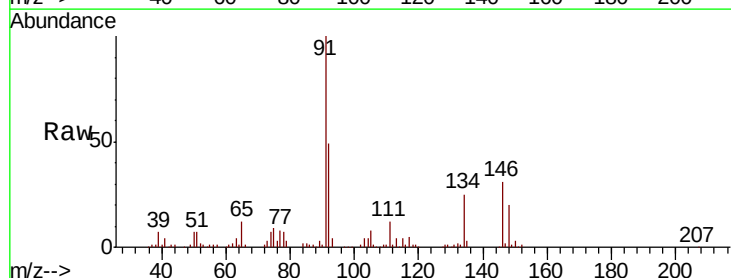
Tgt Ion: 91 Resp: 76484

Ion Ratio Lower Upper

91 100

92 49.1 42.2 63.2

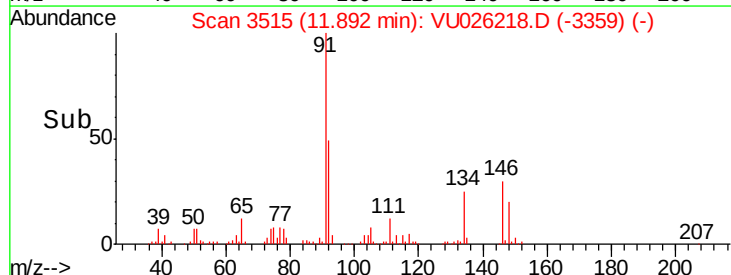
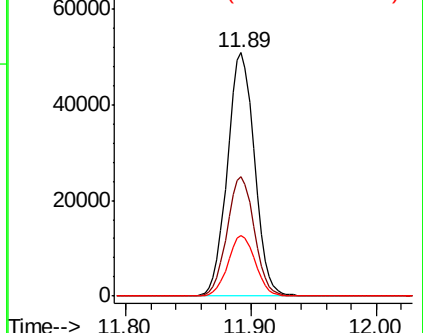
134 24.8 20.3 30.5

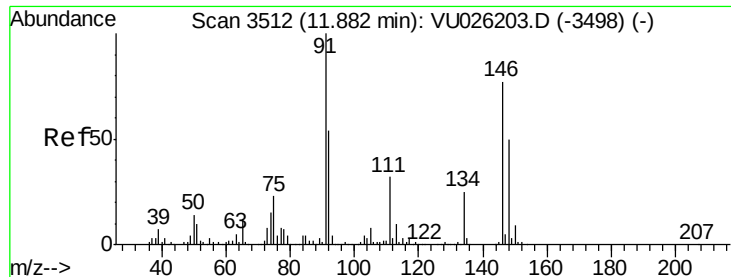


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 2.106 ug/l

RT: 11.88 min Scan# 3511

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

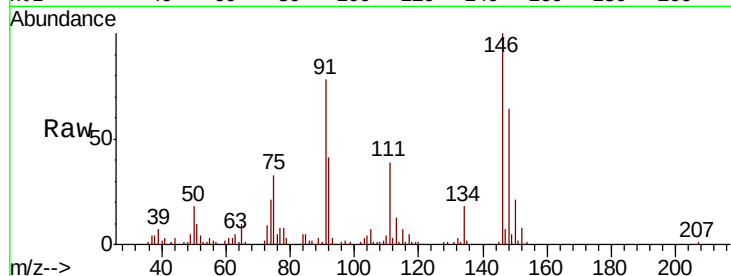
Tot Ion:146 Resp: 45592

Ion Ratio Lower Upper

146 100

111 40.1 20.7 62.1

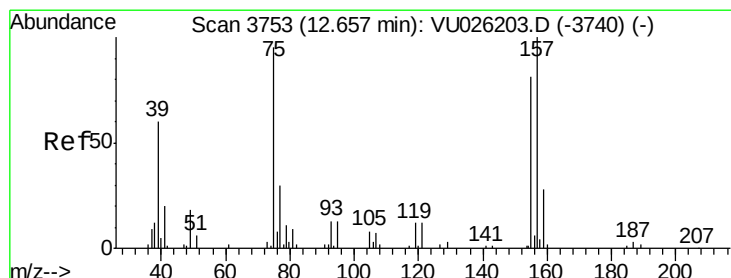
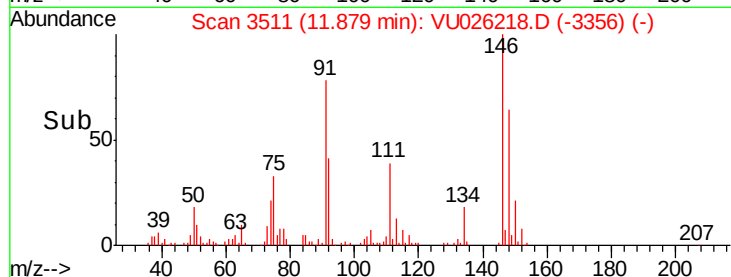
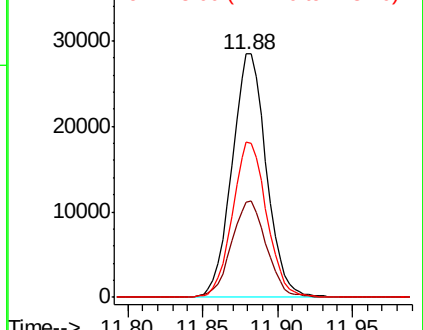
148 63.2 31.9 95.5



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: 2.236 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

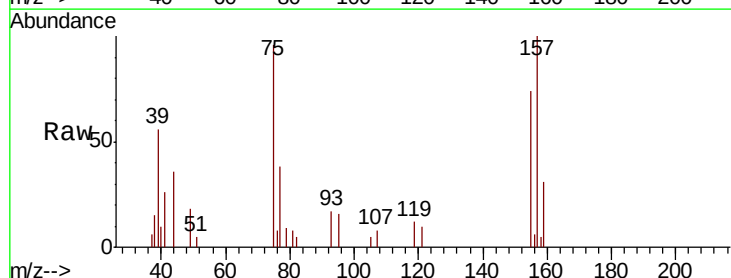
Tgt Ion: 75 Resp: 3489

Ion Ratio Lower Upper

75 100

155 70.8 65.8 98.6

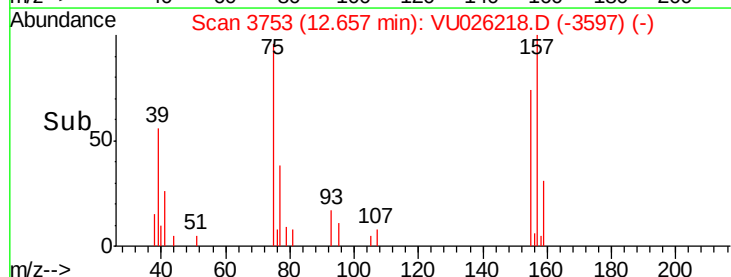
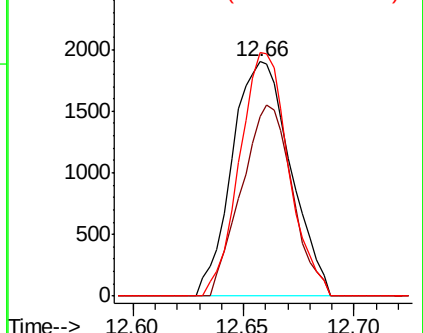
157 87.4 83.5 125.3

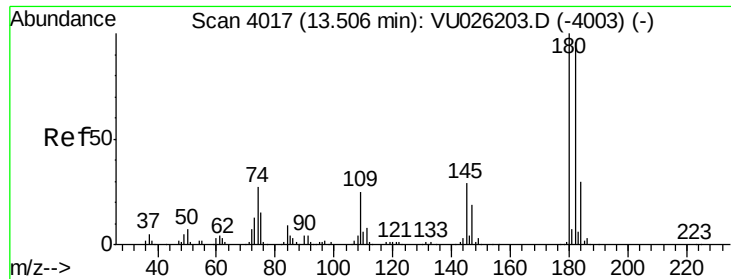


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

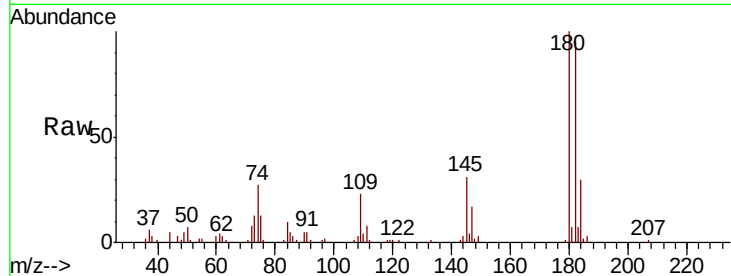




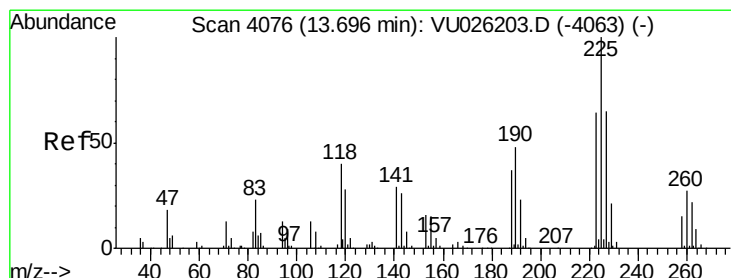
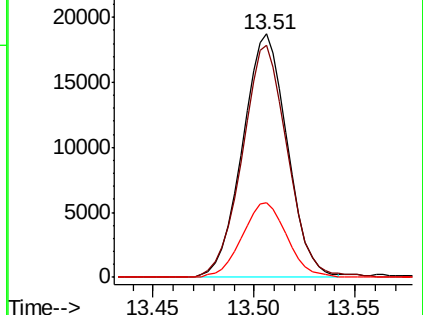
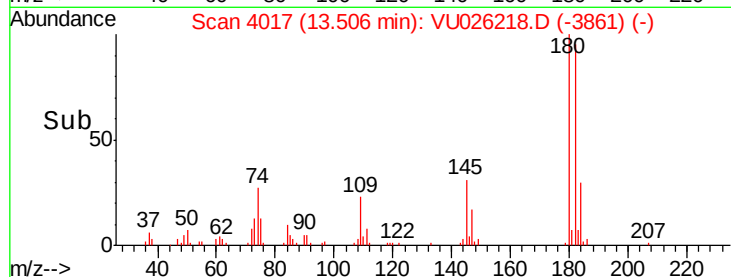
#87
 1,2,4-Trichlorobenzene
 Concen: 1.911 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.1	115.7
145	30.6	23.3	34.9

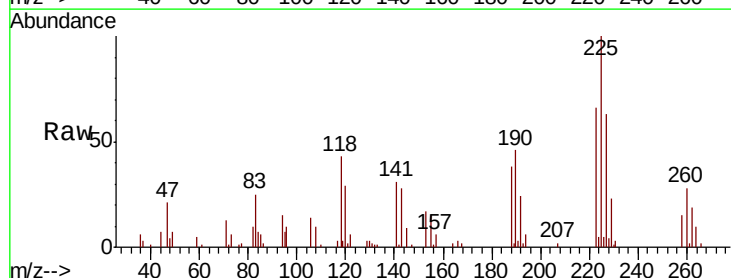


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

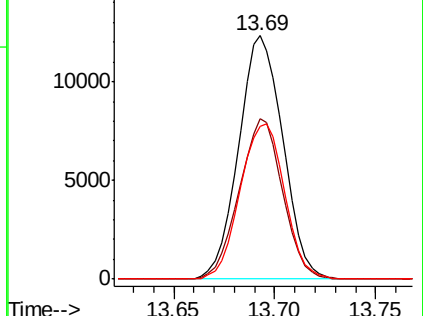
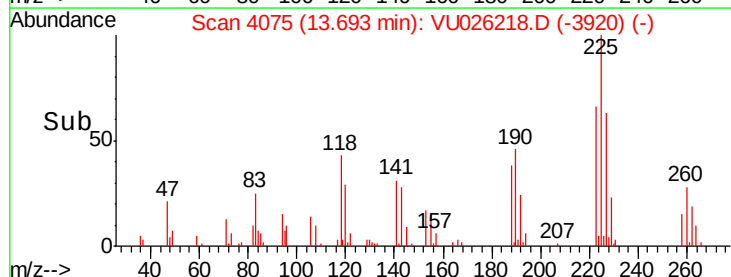


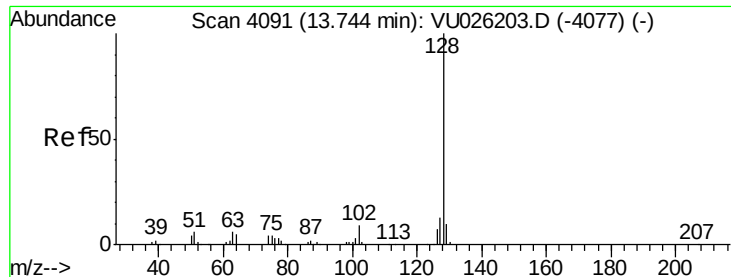
#88
 Hexachlorobutadiene
 Concen: 2.034 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.6	75.8
227	64.2	51.8	77.6



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





#89

Naphthalene

Concen: 1.787 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

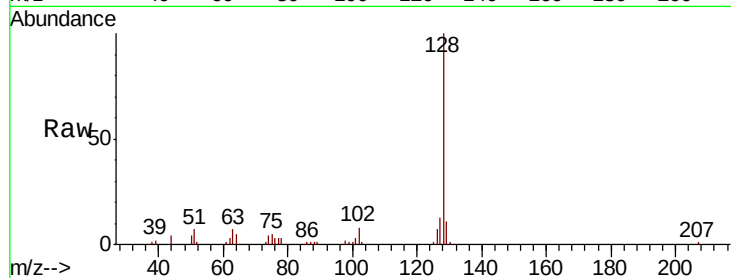
Tot Ion:128 Resp: 42856

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

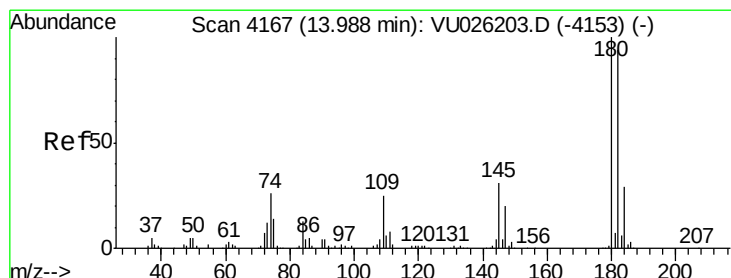
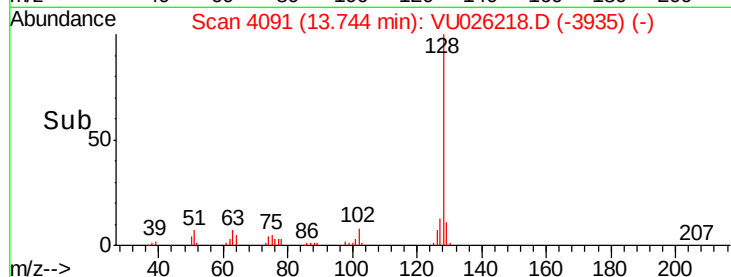
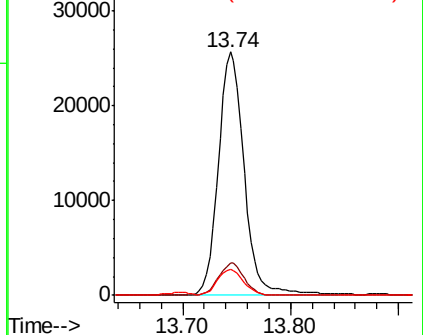
129 10.5 8.7 13.1



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: 1.947 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

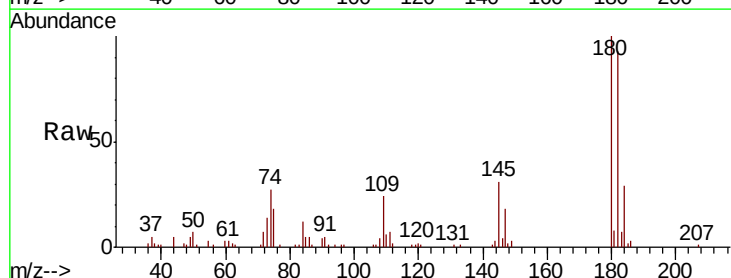
Tgt Ion:180 Resp: 27916

Ion Ratio Lower Upper

180 100

182 96.7 76.8 115.2

145 31.3 24.6 36.8



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

