

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121418\
 Data File : VU028674.D
 Acq On : 13 Dec 2018 13:12
 Operator : MD/SY
 Sample : VU1214WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Quant Time: Dec 14 05:36:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	13936	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	4734	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4607	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	9921	1.979	ug/l	99
3) Chloromethane	1.33	50	16808	1.970	ug/l	99
4) Vinyl Chloride	1.40	62	12002	2.055	ug/l	97
5) Bromomethane	1.61	94	4873	2.118	ug/l	91
6) Chloroethane	1.68	64	6521	1.913	ug/l	98
7) Trichlorofluoromethane	1.88	101	13577	2.129	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	7390	2.015	ug/l	98
9) 1,1-Dichloroethene	2.28	96	7028	2.071	ug/l	95
10) Iodomethane	2.41	142	7521	3.278	ug/l	98
11) Allyl Chloride	2.59	41	16580	1.936	ug/l	99
12) Acrylonitrile	2.94	53	4366	4.040	ug/l	95
13) Acetone	2.32	43	9488	9.473	ug/l	91
14) Carbon Disulfide	2.47	76	25218	1.957	ug/l	99
15) Methylene Chloride	2.70	84	9023	2.181	ug/l	91
16) trans-1,2-Dichloroethene	2.97	96	7845	2.066	ug/l	96
17) 1,1-Dichloroethane	3.44	63	16908	1.997	ug/l	98
18) 2-Butanone	4.28	43	16588	11.084	ug/l	99
19) Cyclohexane	4.98	56	14128	1.922	ug/l	99
20) Methylcyclohexane	6.40	83	13230	1.839	ug/l	97
21) 2,2-Dichloropropane	4.22	77	13757	2.025	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	8816	1.984	ug/l	98
23) Diethyl Ether	2.10	59	6982	2.053	ug/l	94
24) tert-Butyl Alcohol	2.84	59	6856	20.082	ug/l #	94
25) Methyl tert-Butyl Ether	3.00	73	20423	2.026	ug/l	94
26) Bromochloromethane	4.54	128	3360	1.984	ug/l	92
27) Chloroform	4.67	83	15801	1.936	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	12767	2.003	ug/l	98
29) 1,1-Dichloropropene	5.13	75	11636	1.903	ug/l	99
30) Carbon Tetrachloride	5.13	117	9547	1.854	ug/l	93
31) Isopropyl Ether	3.58	45	30711	2.026	ug/l	96
32) Ethyl-t-butyl ether	4.08	59	23964	1.919	ug/l	95
33) Tert-Amyl methyl ether	5.59	73	19830	1.915	ug/l	100
34) Propionitrile	4.34	54	3915	10.413	ug/l #	97
35) Benzene	5.38	78	34745	1.930	ug/l	99
36) 1,2-Dichloroethane	5.40	62	10658	1.979	ug/l	97
37) Trichloroethene	6.18	130	7221	1.841	ug/l	93
38) 1,2-Dichloropropane	6.43	63	9982	1.944	ug/l	90
39) Methacrylonitrile	4.55	41	4132	2.052	ug/l	99
40) Methyl acrylate	4.43	55	5717	2.063	ug/l #	94
41) Tetrahydrofuran	4.66	42	4498	4.444	ug/l	93
42) 1-Chlorobutane	5.06	56	17920	1.843	ug/l	97

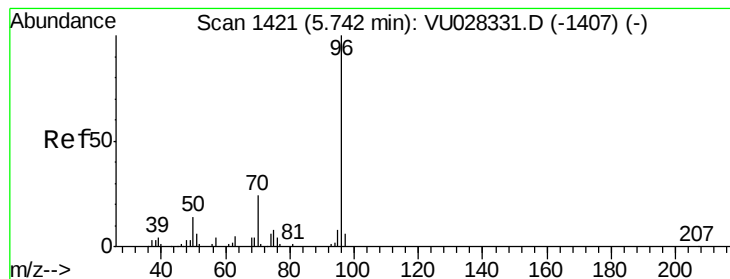
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121418\
 Data File : VU028674.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	4355	1.993	ug/l	98
44) Bromodichloromethane	6.76	83	10865	1.883	ug/l	96
45) 4-Methyl-2-Pentanone	7.47	43	31984	9.110	ug/l	97
46) t-1,4-Dichloro-2-butene	10.49	75	10601	8.256	ug/l #	56
47) Methyl methacrylate	6.63	69	8495	3.808	ug/l	96
48) Ethyl methacrylate	8.02	69	7365	1.650	ug/l	97
49) Toluene	7.63	92	18492	1.849	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	10252	1.849	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	12282	1.794	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	6038	1.968	ug/l	94
53) 1,3-Dichloropropane	8.24	76	10846	1.892	ug/l	99
54) 2-Hexanone	8.37	43	23038	9.122	ug/l	93
55) Dibromochloromethane	8.48	129	6374	1.953	ug/l	98
56) 1,2-Dibromoethane	8.59	107	5359	1.917	ug/l	93
58) Tetrachloroethene	8.22	164	7080	1.972	ug/l	95
59) Chlorobenzene	9.12	112	19106	1.836	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	6946	1.970	ug/l	98
61) Pentachloroethane	11.10	117	5497	2.003	ug/l	99
62) Hexachloroethane	12.14	117	5404	2.102	ug/l	98
63) Ethyl Benzene	9.25	91	32877	1.712	ug/l	98
64) m/p-Xylenes	9.37	106	25103	3.613	ug/l	99
65) o-Xylene	9.78	106	12013	1.792	ug/l	98
66) Styrene	9.79	104	20543	1.786	ug/l	99
67) Bromoform	9.96	173	3493	1.909	ug/l #	97
69) Isopropylbenzene	10.16	105	31426	1.750	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	8245	2.003	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	10601	3.694	ug/l #	77
72) Bromobenzene	10.45	156	7834	1.966	ug/l	93
73) n-propylbenzene	10.58	120	8384	1.801	ug/l	100
74) 2-Chlorotoluene	10.66	126	8325	2.041	ug/l	88
75) 1,3,5-Trimethylbenzene	10.77	105	27411	1.814	ug/l	96
76) 4-Chlorotoluene	10.77	126	8046	1.945	ug/l	94
77) tert-Butylbenzene	11.10	119	26089	1.834	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	28596	1.847	ug/l	98
79) sec-Butylbenzene	11.32	105	36023	1.817	ug/l	100
80) Nitrobenzene	12.86	77	1621	8.742	ug/l #	91
81) p-Isopropyltoluene	11.47	119	27751	1.761	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	16034	2.009	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	15976	2.011	ug/l	98
84) n-Butylbenzene	11.89	91	28593	1.728	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	15127	1.991	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1340	2.024	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	8696	1.628	ug/l	96
88) Hexachlorobutadiene	13.69	225	5727	1.982	ug/l	98
89) Naphthalene	13.74	128	16120	1.527	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	8788	1.745	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 96 Resp: 13936

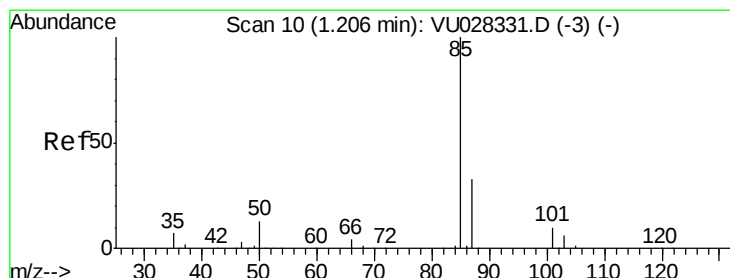
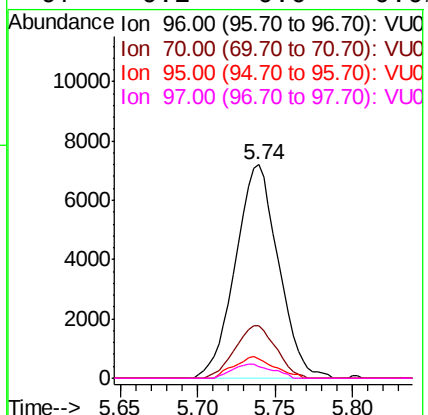
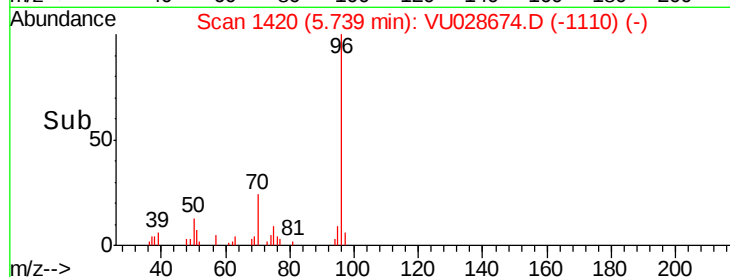
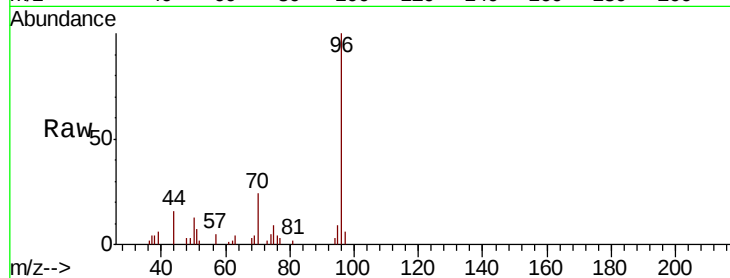
Ion Ratio Lower Upper

96 100

70 23.5 17.8 26.8

95 9.2 7.6 11.4

97 6.2 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.979 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028674.D

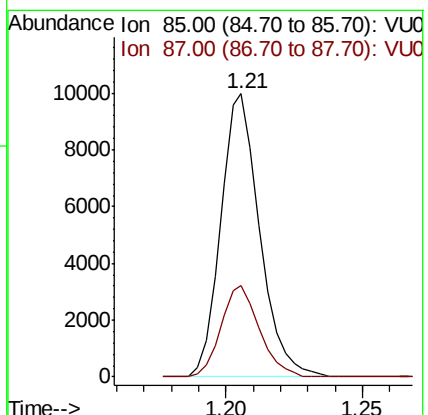
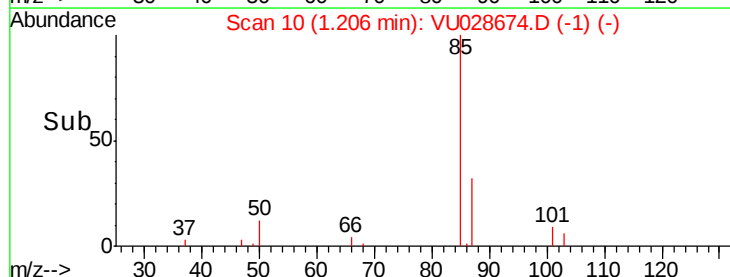
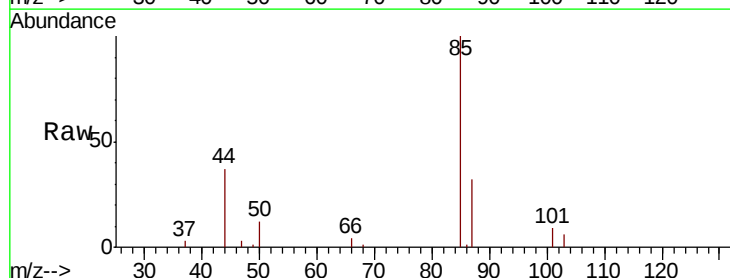
Acq: 13 Dec 2018 13:12

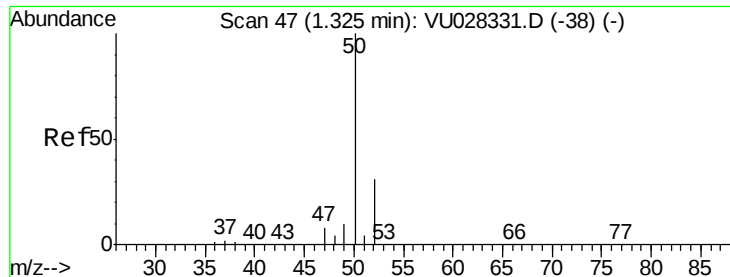
Tgt Ion: 85 Resp: 9921

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8

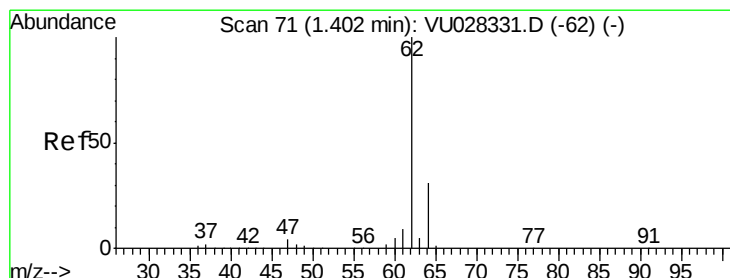
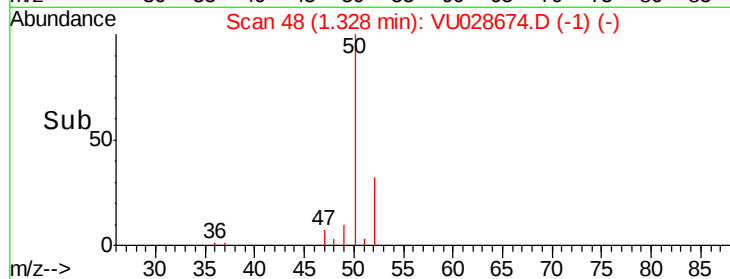
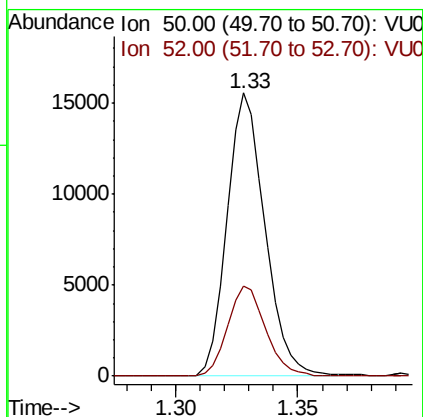
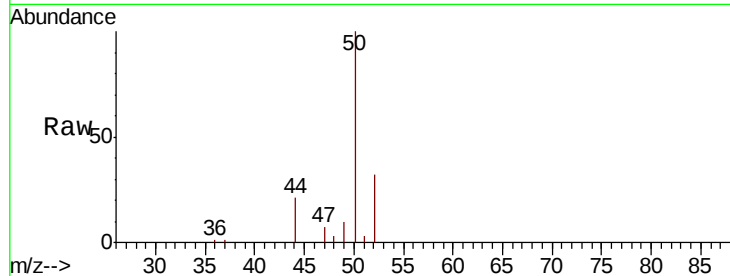




#3
Chloromethane
Concen: 1.970 ug/l
RT: 1.33 min Scan# 48
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

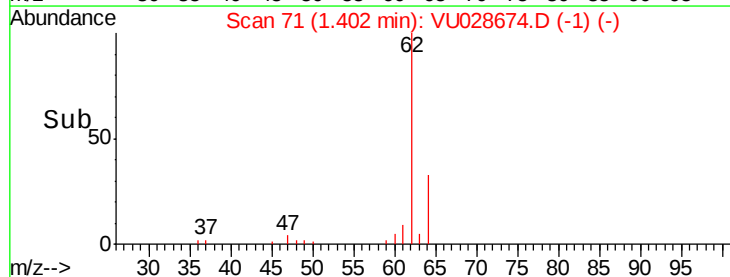
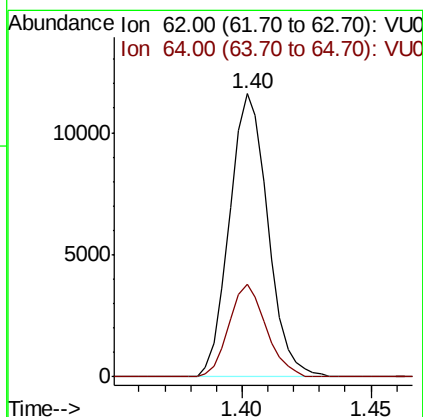
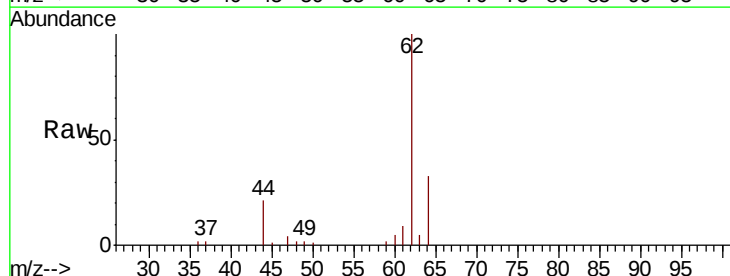
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

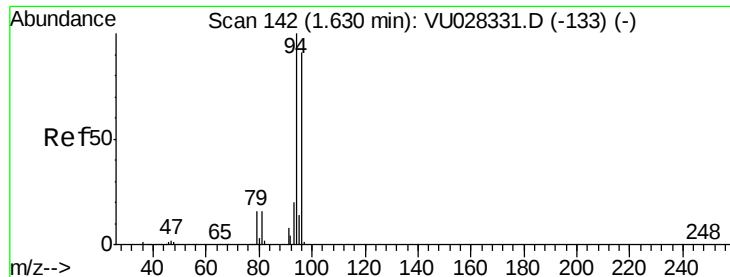
Tot Ion: 50 Resp: 16808
Ion Ratio Lower Upper
50 100
52 32.0 25.1 37.7



#4
Vinyl Chloride
Concen: 2.055 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 62 Resp: 12002
Ion Ratio Lower Upper
62 100
64 32.7 24.7 37.1





#5

Bromomethane

Concen: 2.118 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.02 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

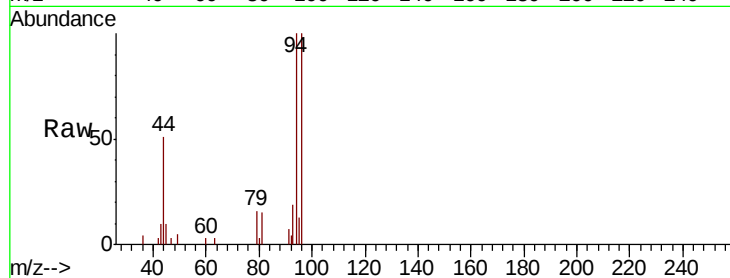
VU1214WBSD01

Tot Ion: 94 Resp: 4873

Ion Ratio Lower Upper

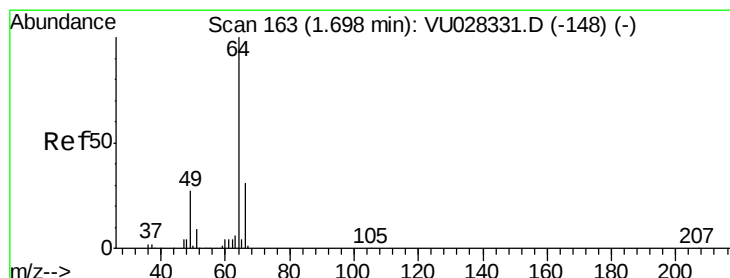
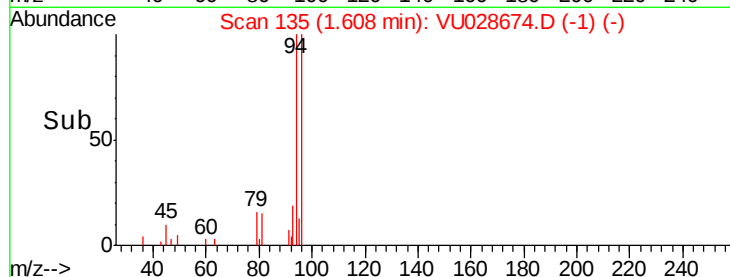
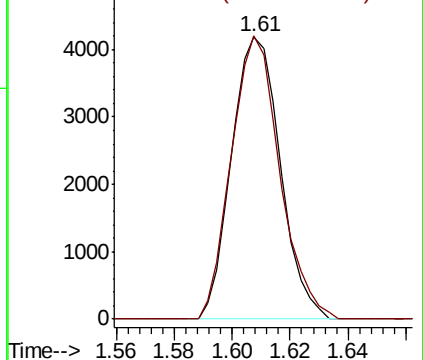
94 100

96 100.2 73.1 109.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.913 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028674.D

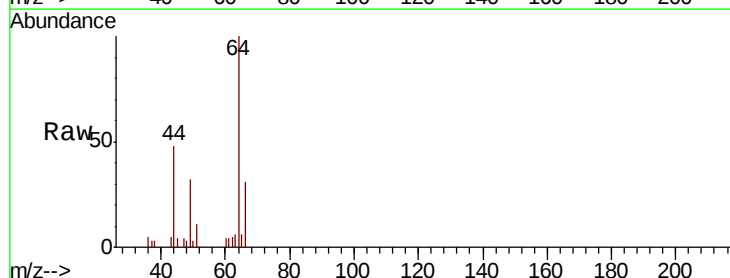
Acq: 13 Dec 2018 13:12

Tgt Ion: 64 Resp: 6521

Ion Ratio Lower Upper

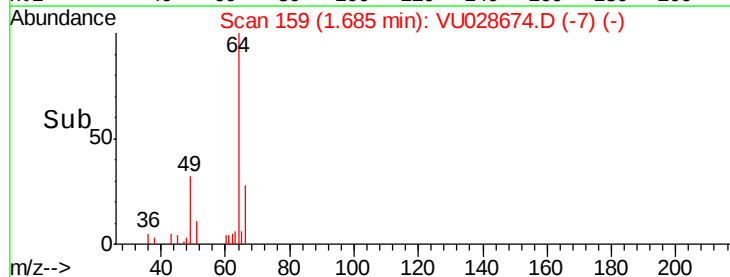
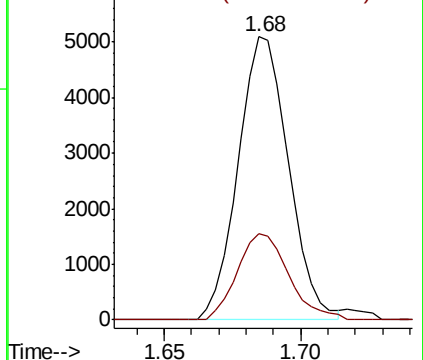
64 100

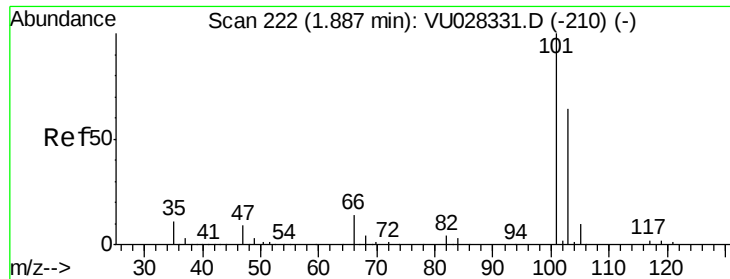
66 30.6 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 2.129 ug/l

RT: 1.88 min Scan# 219

Delta R.T. -0.01 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

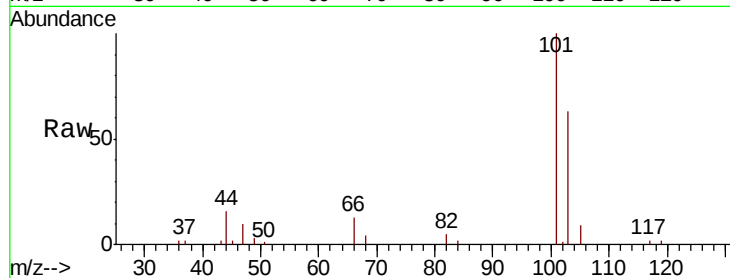
VU1214WBSD01

Tot Ion:101 Resp: 13577

Ion Ratio Lower Upper

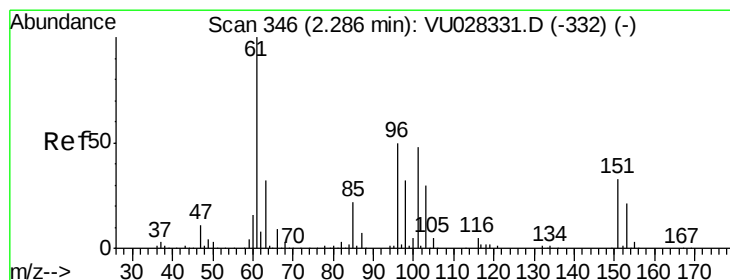
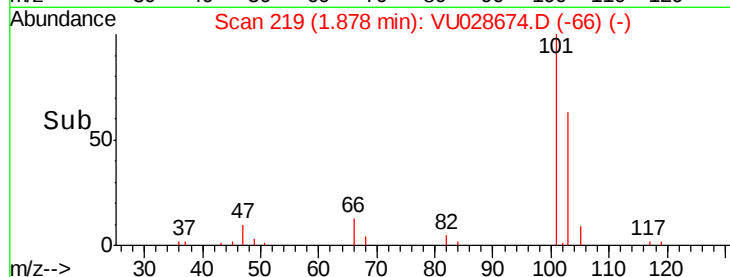
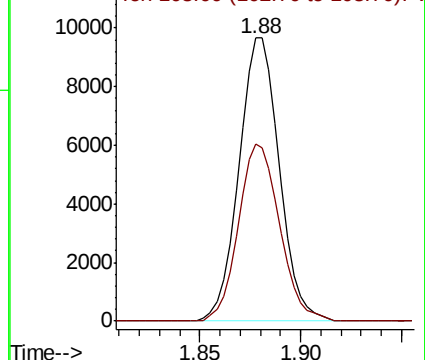
101 100

103 62.8 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.015 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

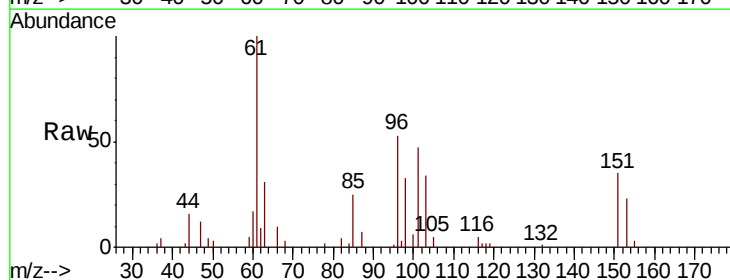
Tgt Ion:101 Resp: 7390

Ion Ratio Lower Upper

101 100

85 48.0 36.7 55.1

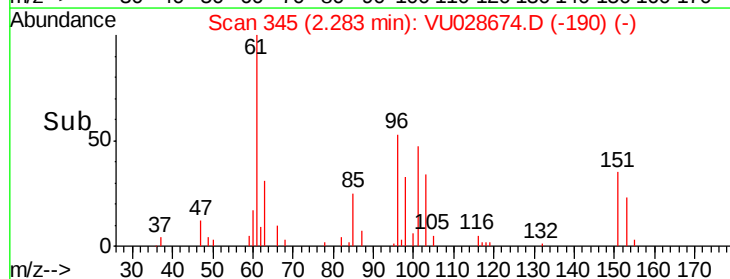
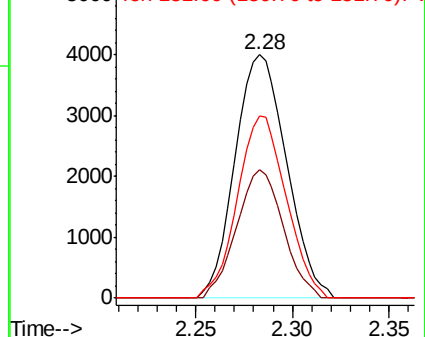
151 70.8 55.8 83.6

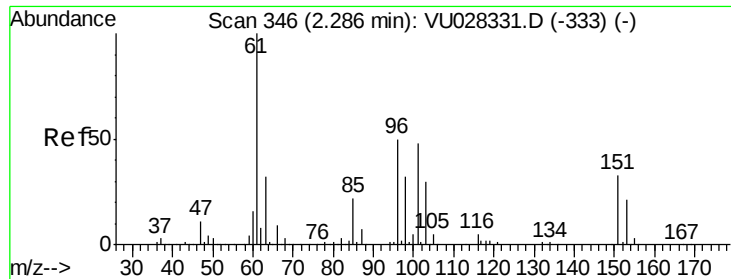


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.071 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

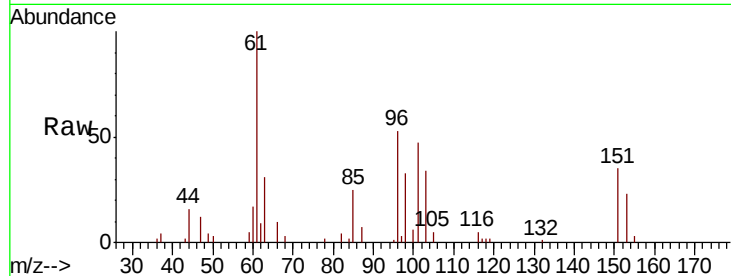
Tot Ion: 96 Resp: 7028

Ion Ratio Lower Upper

96 100

61 190.2 0.0 597.6

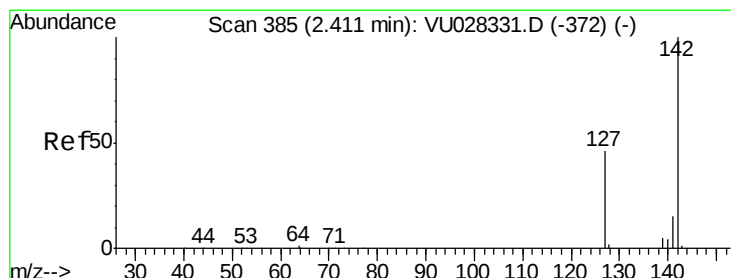
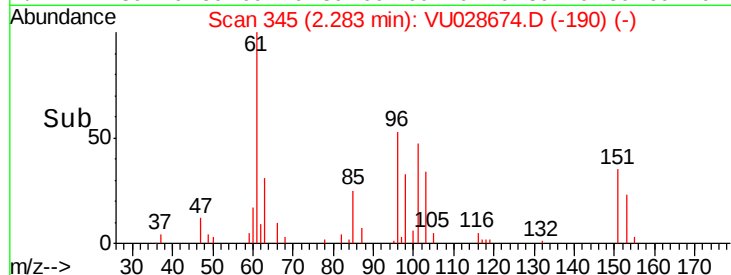
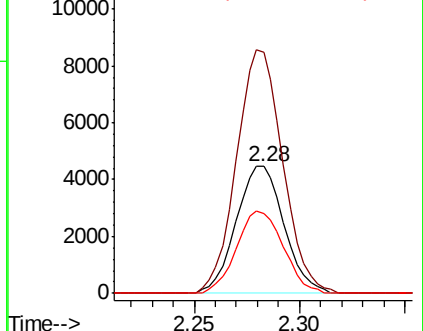
98 63.3 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU028331.D (-333) (-)

Ion 61.00 (60.70 to 61.70): VU028331.D (-333) (-)

Ion 98.00 (97.70 to 98.70): VU028331.D (-333) (-)



#10

Iodomethane

Concen: 3.278 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028674.D

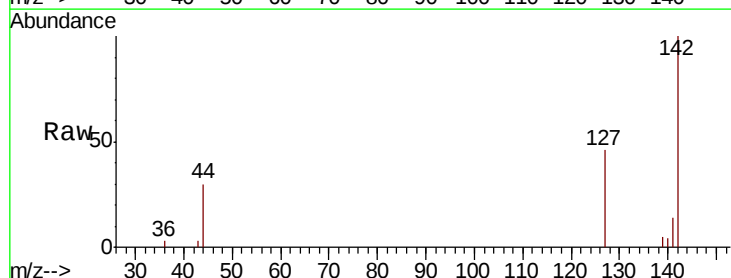
Acq: 13 Dec 2018 13:12

Tgt Ion: 142 Resp: 7521

Ion Ratio Lower Upper

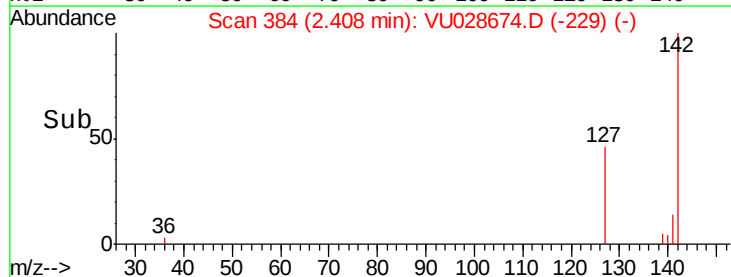
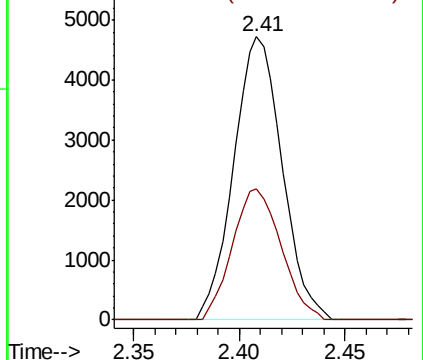
142 100

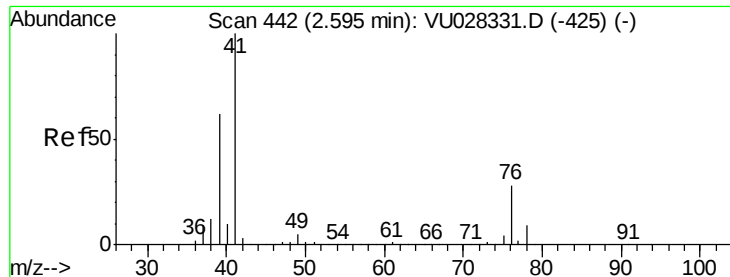
127 46.5 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): VU028331.D (-372) (-)

Ion 127.00 (126.70 to 127.70): VU028331.D (-372) (-)

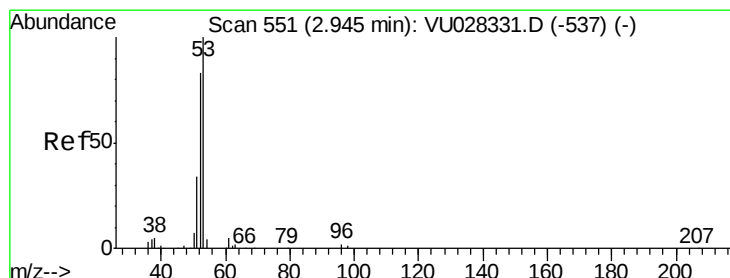
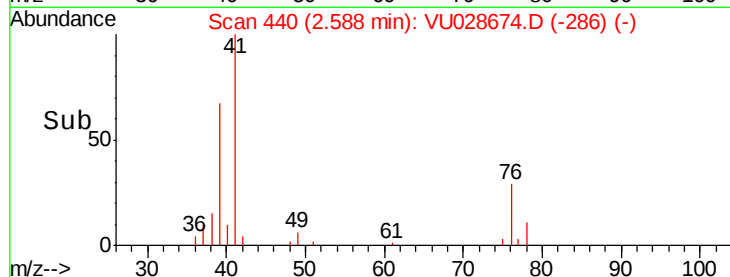
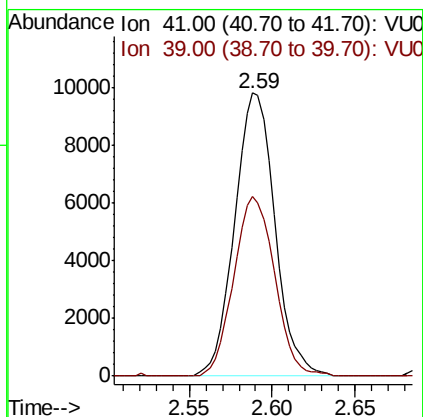
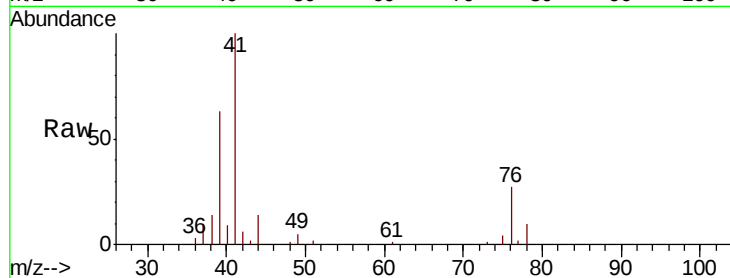




#11
Allvl Chloride
Concen: 1.936 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

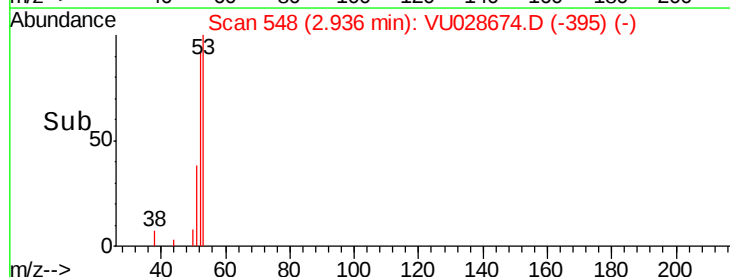
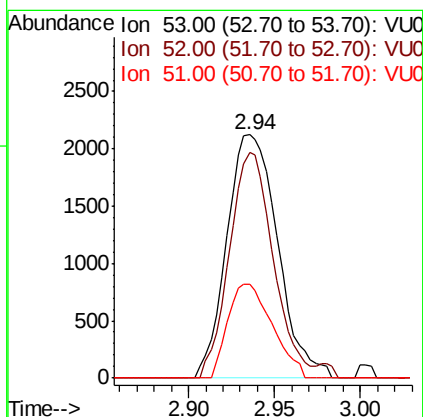
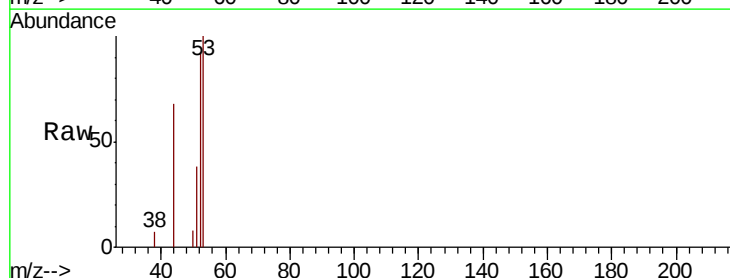
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

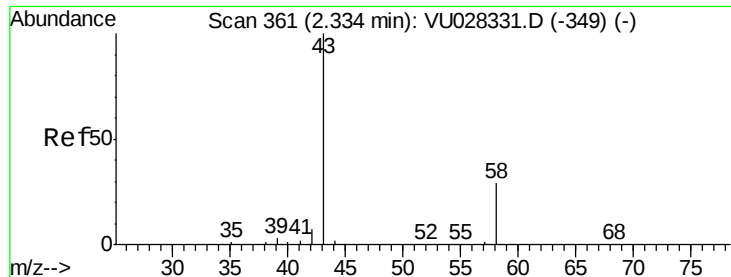
Tot Ion: 41 Resp: 16580
Ion Ratio Lower Upper
41 100
39 64.5 50.8 76.2



#12
Acrylonitrile
Concen: 4.040 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 53 Resp: 4366
Ion Ratio Lower Upper
53 100
52 80.3 69.3 103.9
51 33.6 27.8 41.8





#13

Acetone

Concen: 9.473 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

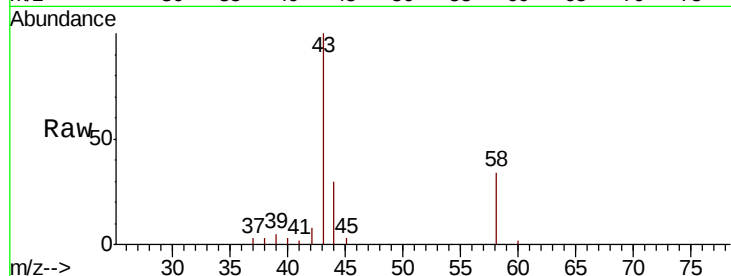
VU1214WBSD01

Tot Ion: 43 Resp: 9488

Ion Ratio Lower Upper

43 100

58 33.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU028331.D (-349) (-)

Ion 58.00 (57.70 to 58.70): VU028331.D (-349) (-)

2.32

6000

5000

4000

3000

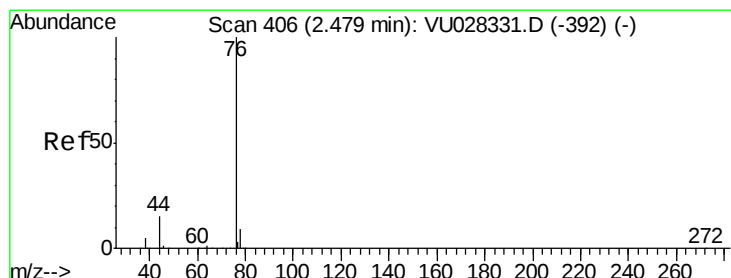
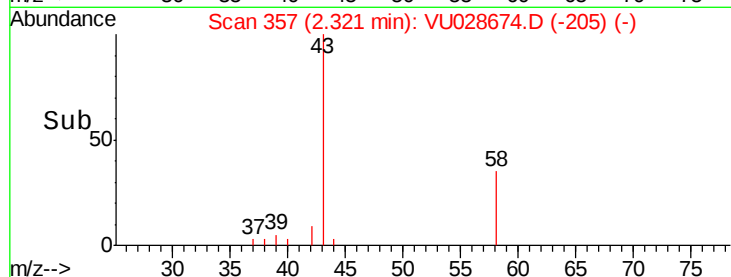
2000

1000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon Disulfide

Concen: 1.957 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028674.D

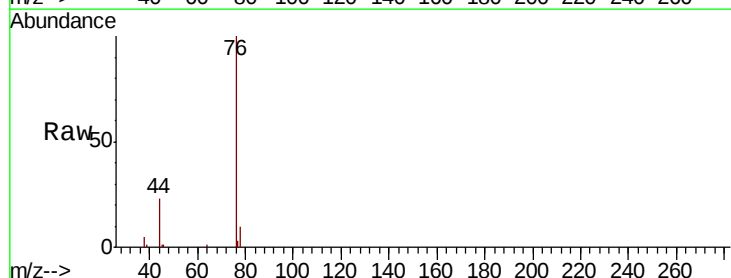
Acq: 13 Dec 2018 13:12

Tgt Ion: 76 Resp: 25218

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU028331.D (-392) (-)

Ion 78.00 (77.70 to 78.70): VU028331.D (-392) (-)

2.47

15000

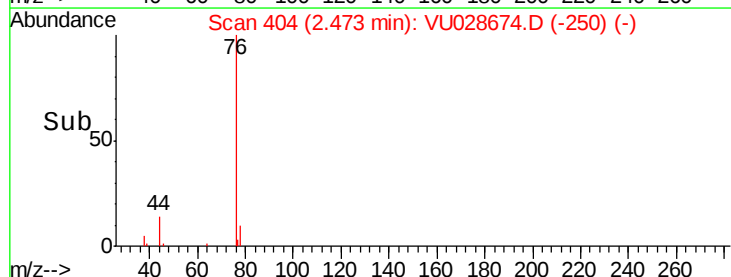
10000

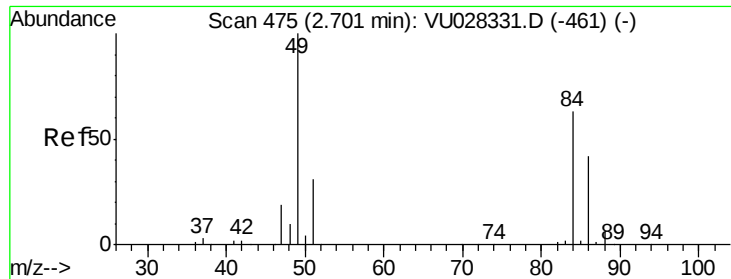
5000

0

Time-->

2.40 2.45 2.50 2.55

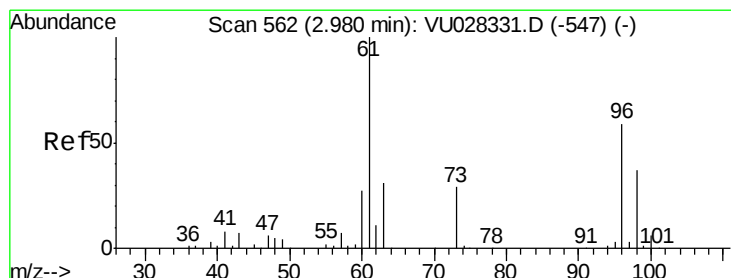
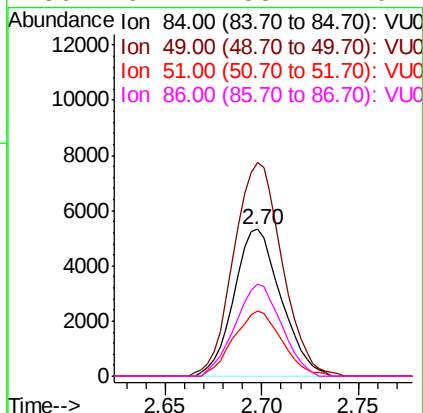
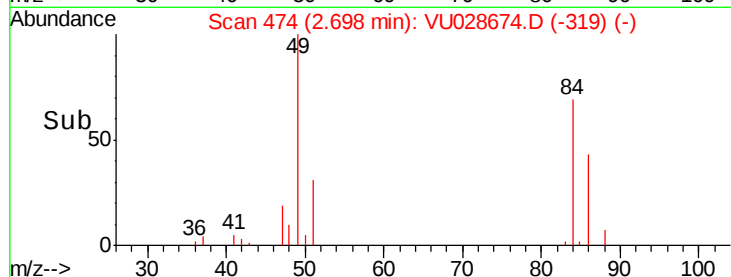
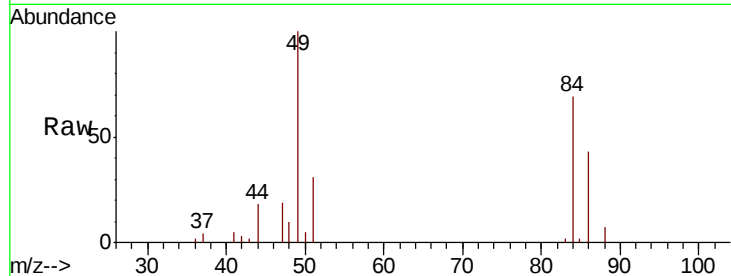




#15
Methvlene Chloride
Concen: 2.181 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

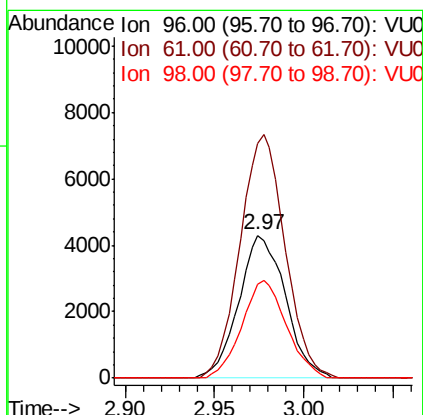
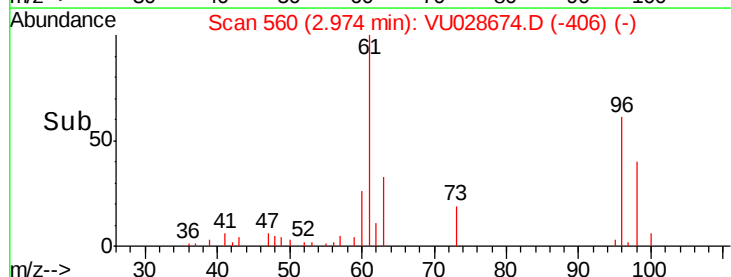
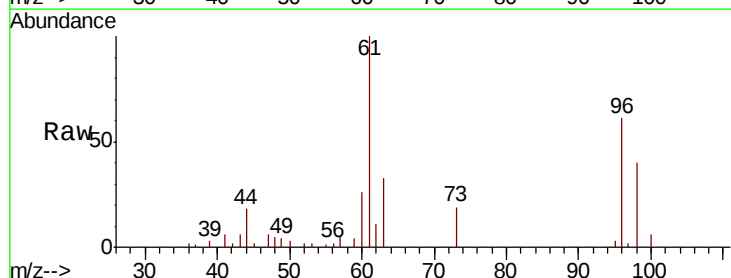
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

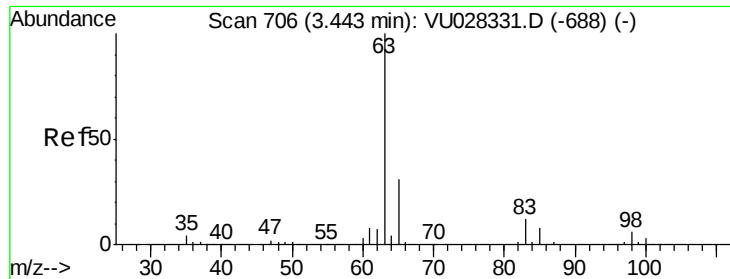
Tot Ion: 84 Resp: 9023
Ion Ratio Lower Upper
84 100
49 145.4 127.7 191.5
51 44.7 0.0 98.2
86 62.7 53.1 79.7



#16
trans-1,2-Dichloroethene
Concen: 2.066 ug/l
RT: 2.97 min Scan# 560
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 96 Resp: 7845
Ion Ratio Lower Upper
96 100
61 164.2 136.4 204.6
98 65.3 49.8 74.8

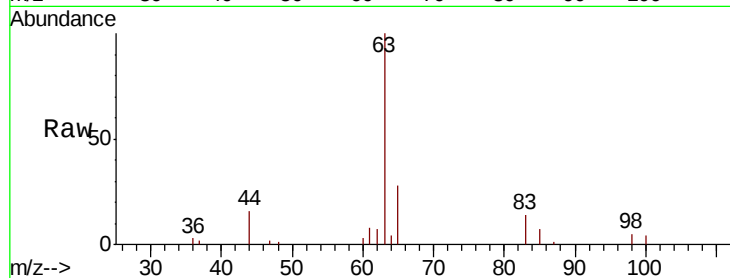




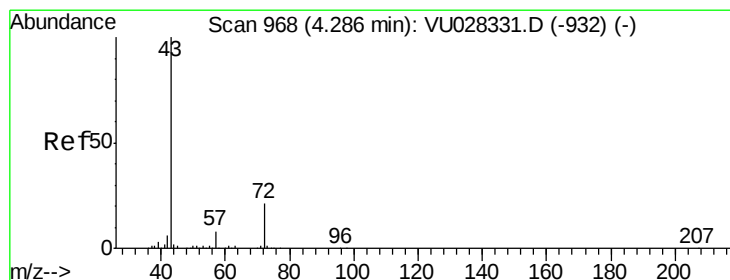
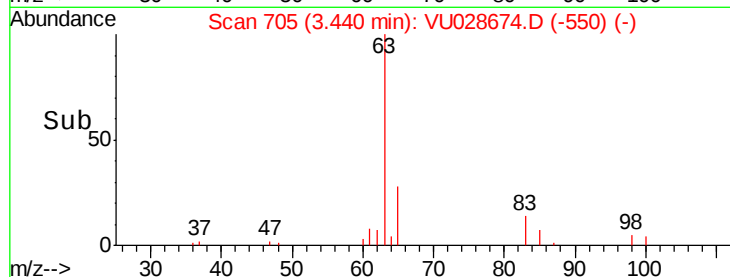
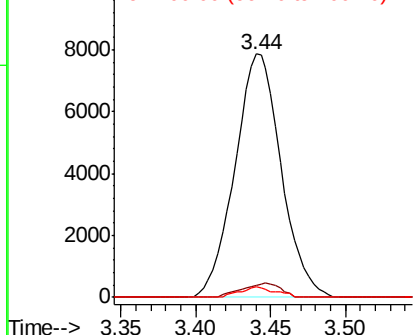
#17
 1,1-Dichloroethane
 Concen: 1.997 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion: 63 Resp: 16908
 Ion Ratio Lower Upper
 63 100
 98 5.1 3.0 9.0
 100 4.1 1.8 5.3

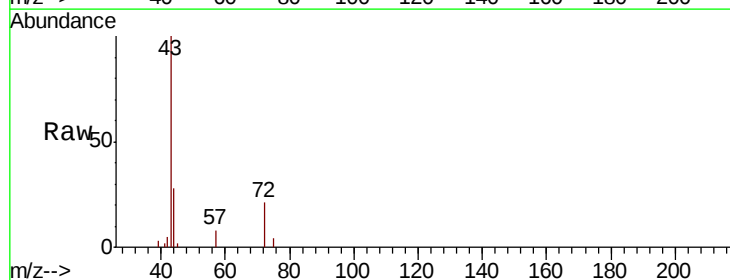


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

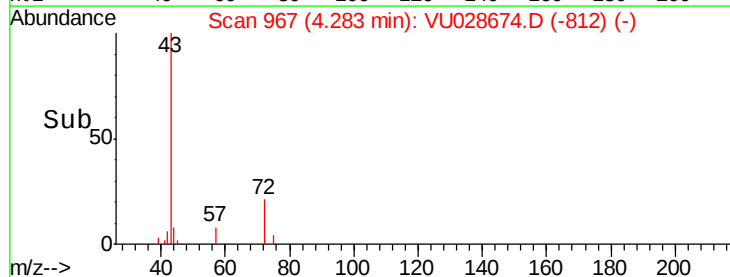
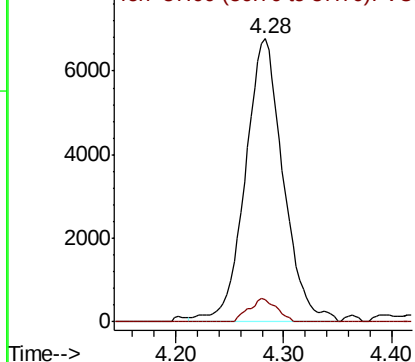


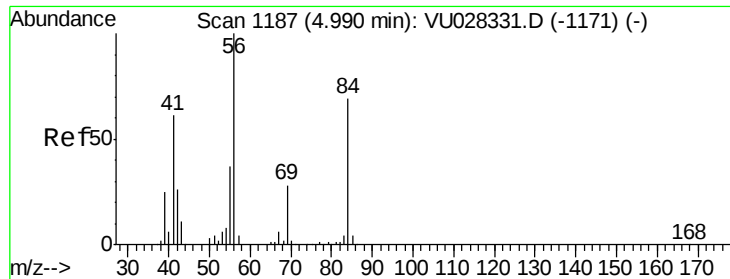
#18
 2-Butanone
 Concen: 11.084 ug/l
 RT: 4.28 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion: 43 Resp: 16588
 Ion Ratio Lower Upper
 43 100
 57 7.7 0.0 15.0



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

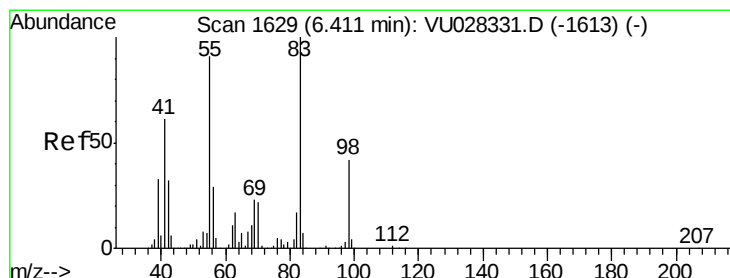
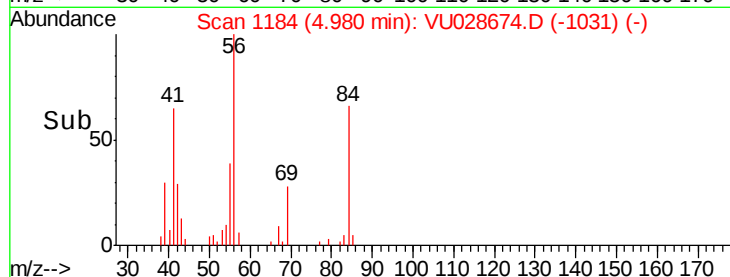
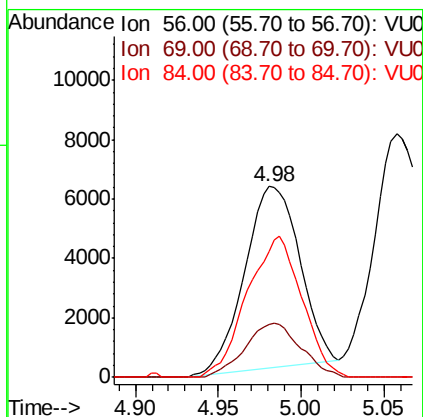
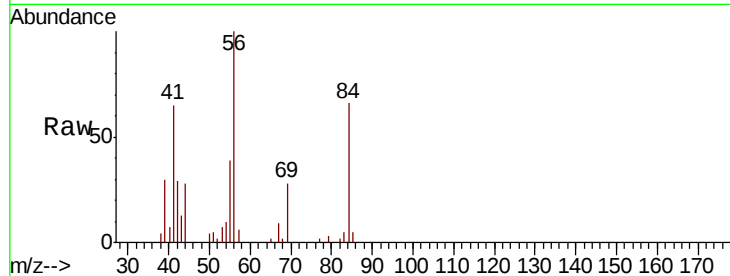




#19
Cyclohexane
Concen: 1.922 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

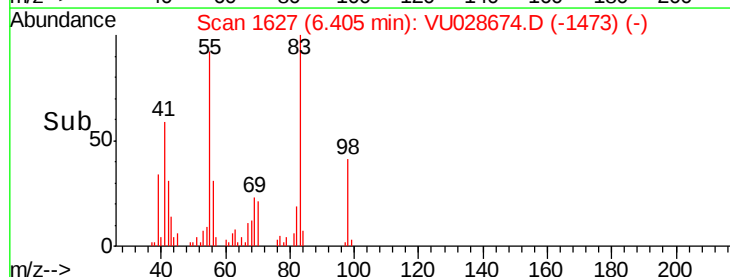
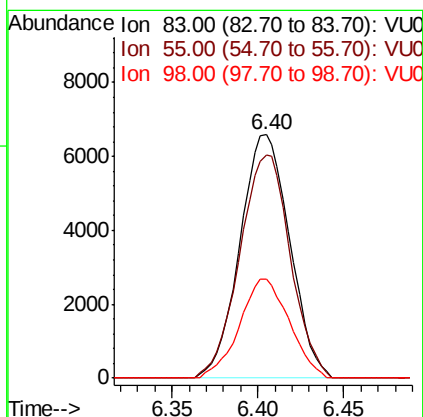
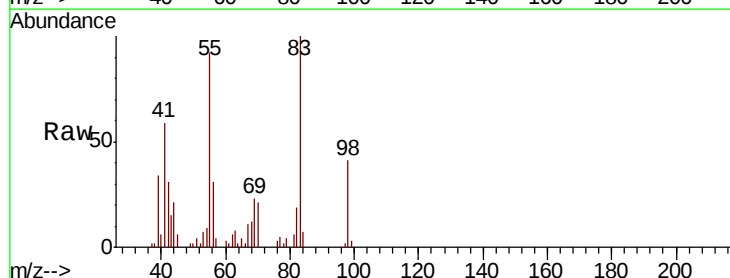
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

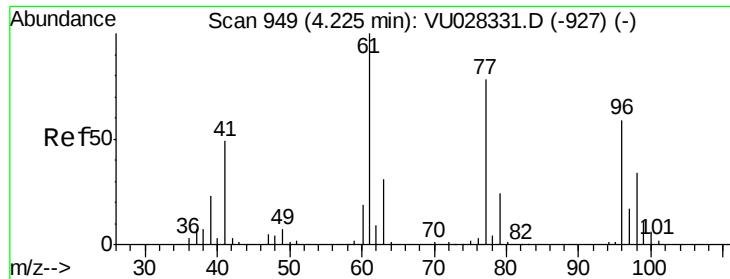
Tot Ion	56	Resp	14128
Ion Ratio	Lower	Upper	
56	100		
69	30.2	25.0	37.6
84	77.4	62.6	94.0



#20
Methylcyclohexane
Concen: 1.839 ug/l
RT: 6.40 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	83	Resp	13230
Ion Ratio	Lower	Upper	
83	100		
55	93.1	72.6	108.8
98	40.7	33.8	50.8





#21

2,2-Dichloropropane

Concen: 2.025 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

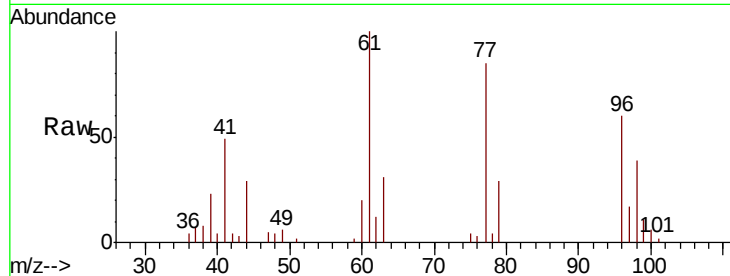
VU1214WBSD01

Tot Ion: 77 Resp: 13757

Ion Ratio Lower Upper

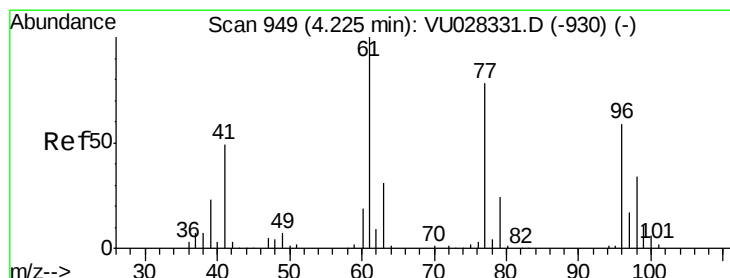
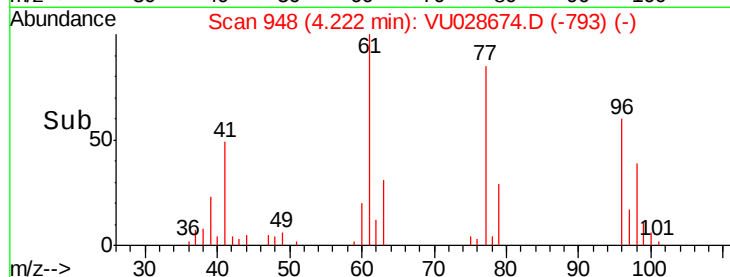
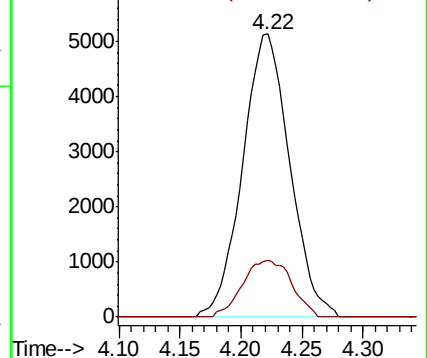
77 100

97 20.9 17.4 26.2



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.984 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

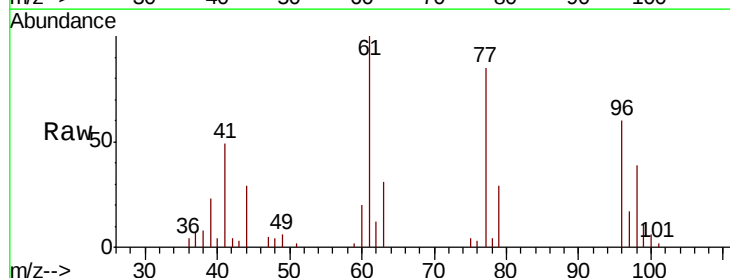
Tgt Ion: 96 Resp: 8816

Ion Ratio Lower Upper

96 100

61 171.9 0.0 423.0

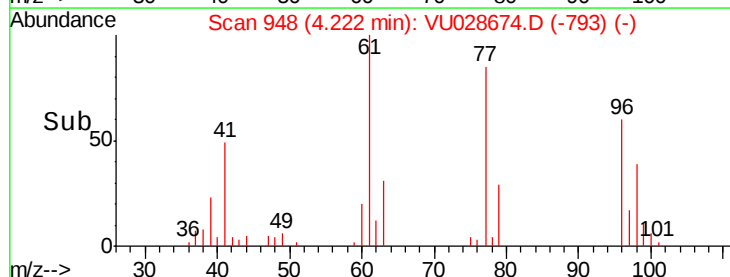
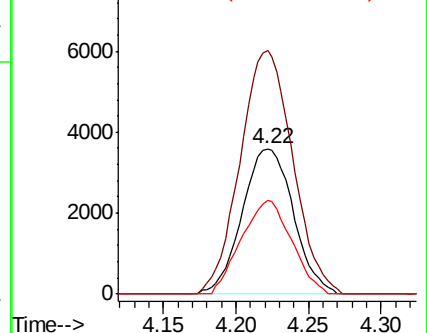
98 63.3 30.3 91.0

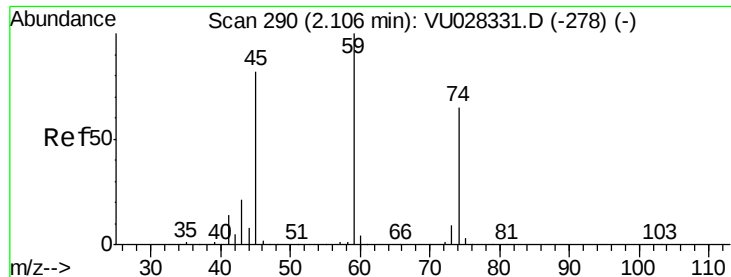


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

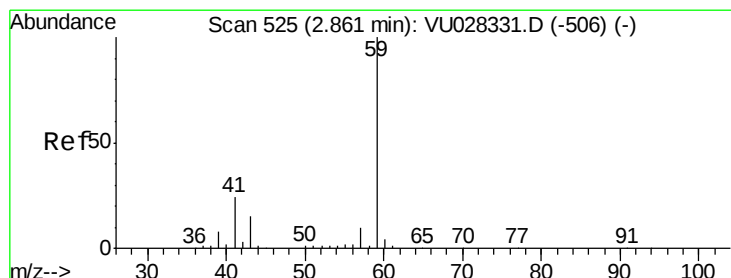
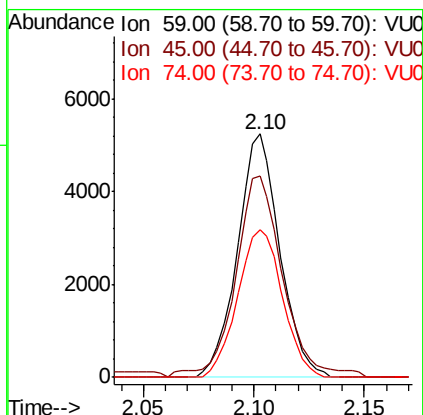
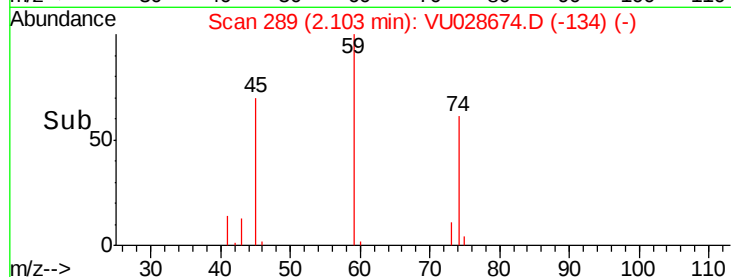
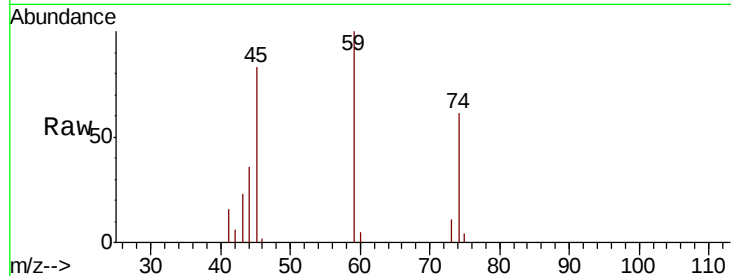




#23
Diethyl Ether
Concen: 2.053 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

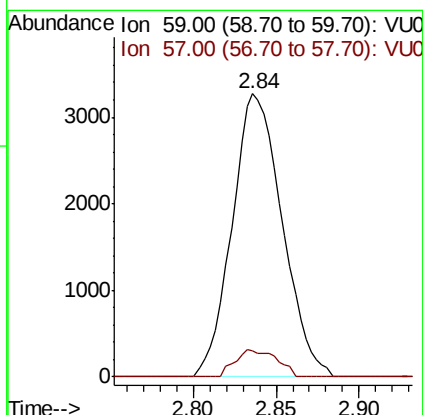
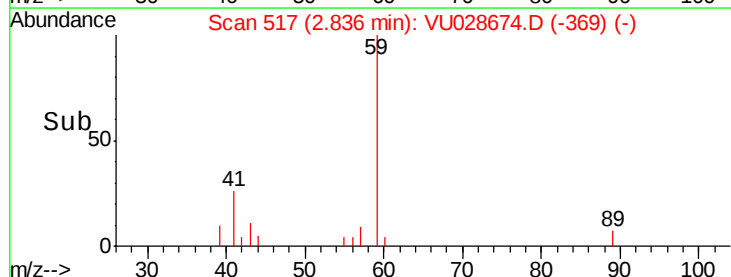
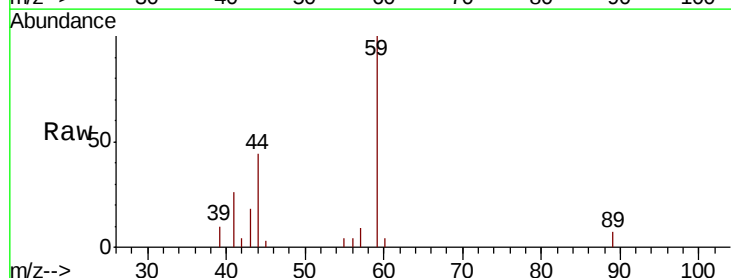
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

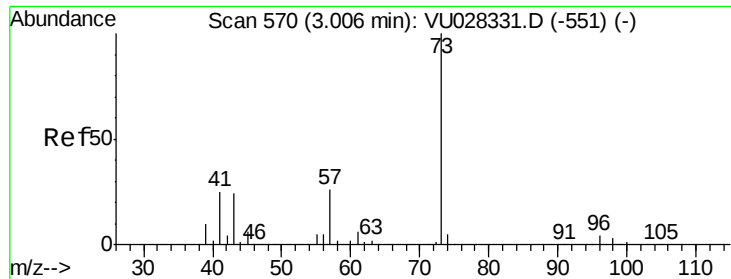
Tot Ion: 59 Resp: 6982
Ion Ratio Lower Upper
59 100
45 92.0 66.4 99.6
74 63.9 52.2 78.4



#24
tert-Butyl Alcohol
Concen: 20.082 ug/l
RT: 2.84 min Scan# 517
Delta R.T. -0.03 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 59 Resp: 6856
Ion Ratio Lower Upper
59 100
57 8.1 8.2 12.4#



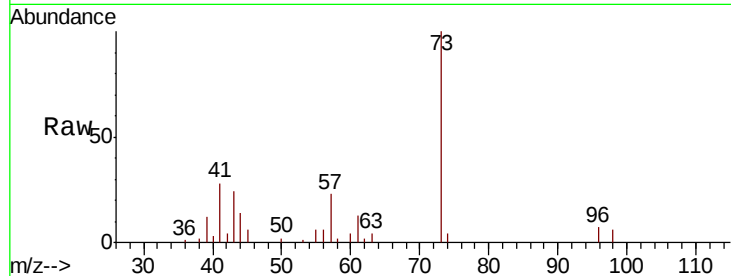


#25

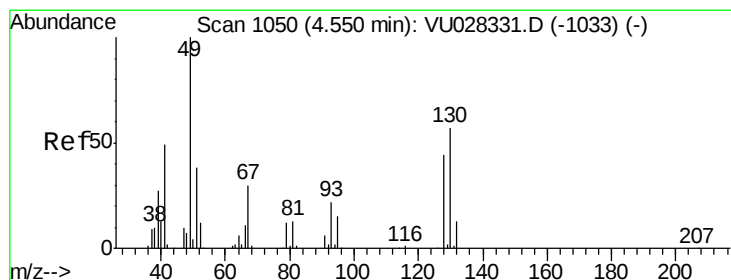
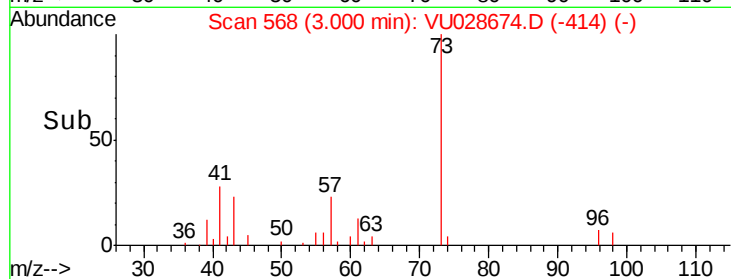
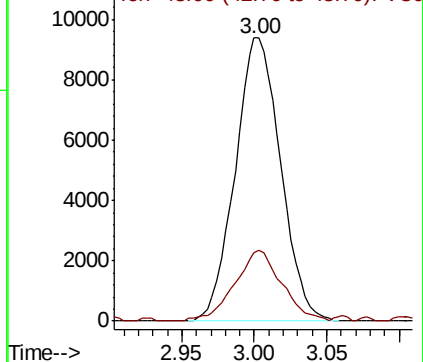
Methyl tert-Butyl Ether
 Concen: 2.026 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion: 73 Resp: 20423
 Ion Ratio Lower Upper
 73 100
 43 26.0 18.5 27.7



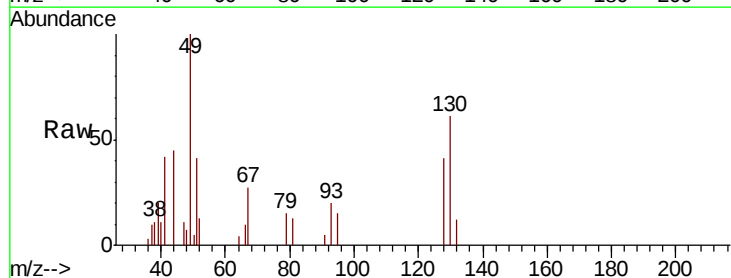
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0



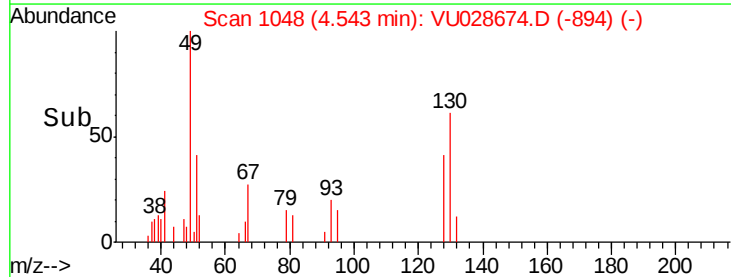
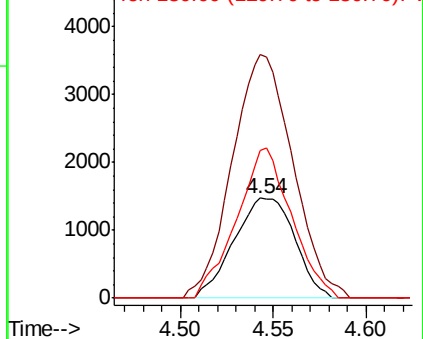
#26

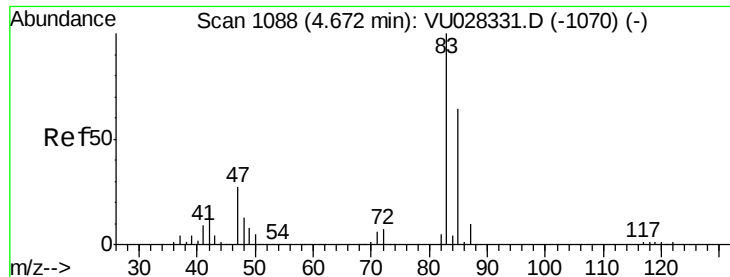
Bromochloromethane
 Concen: 1.984 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion: 128 Resp: 3360
 Ion Ratio Lower Upper
 128 100
 49 242.8 0.0 457.6
 130 135.2 101.4 152.2



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

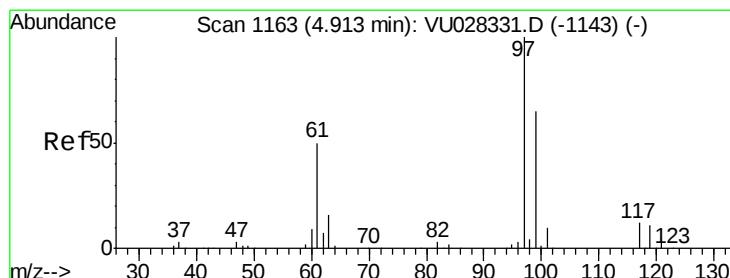
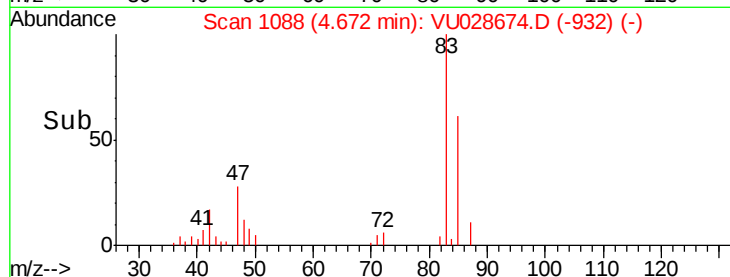
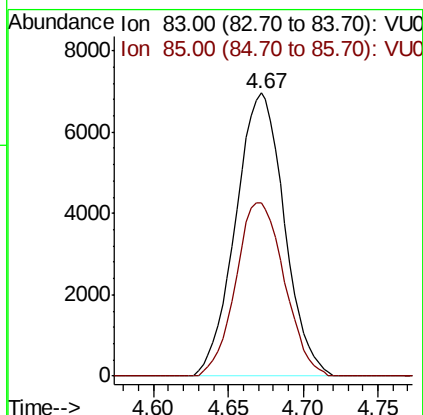
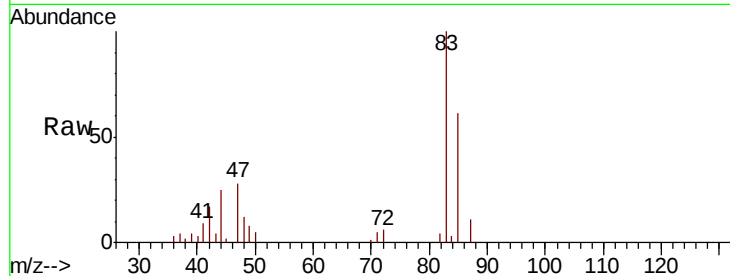




#27
Chloroform
Concen: 1.936 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

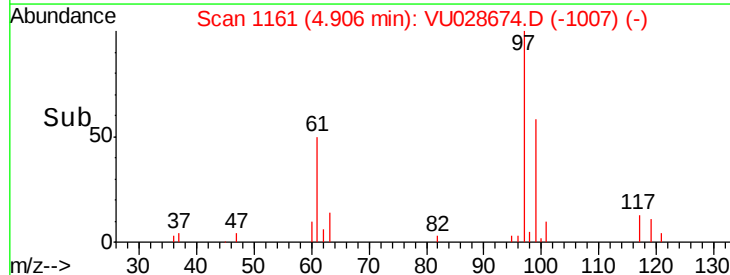
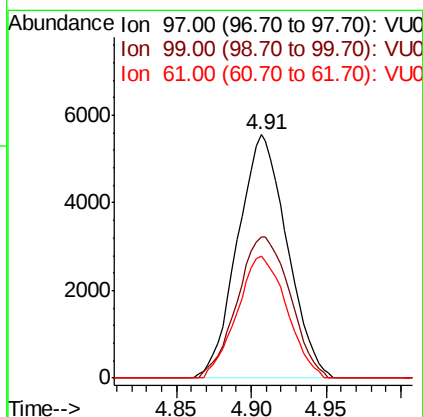
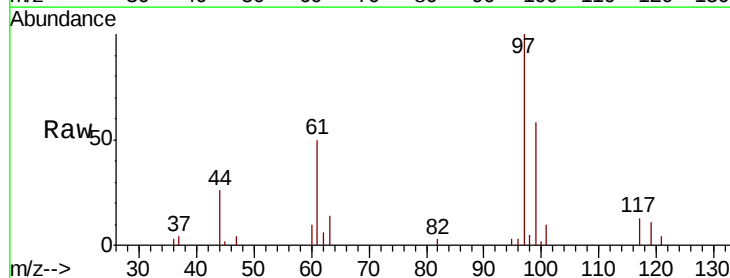
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

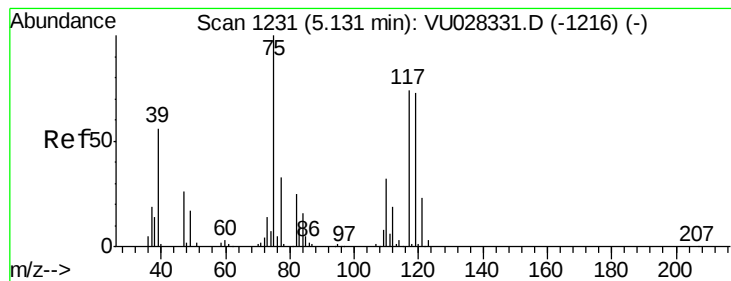
Tot Ion: 83 Resp: 15801
Ion Ratio Lower Upper
83 100
85 61.0 0.0 128.0



#28
1,1,1-Trichloroethane
Concen: 2.003 ug/l
RT: 4.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 97 Resp: 12767
Ion Ratio Lower Upper
97 100
99 61.9 32.2 96.6
61 50.2 24.9 74.7





#29

1,1-Dichloropropene

Concen: 1.903 ug/l

RT: 5.13 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

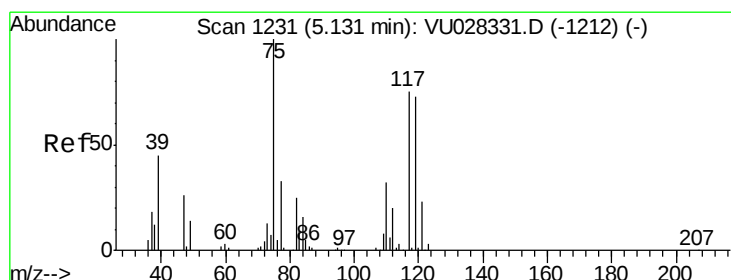
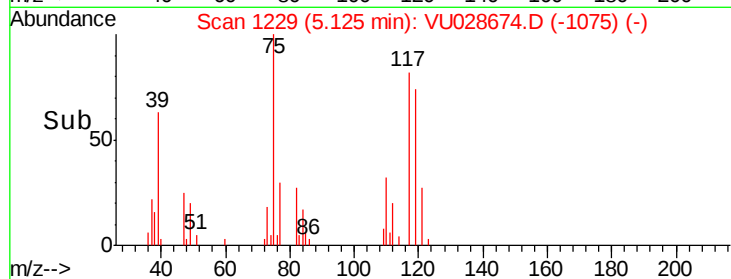
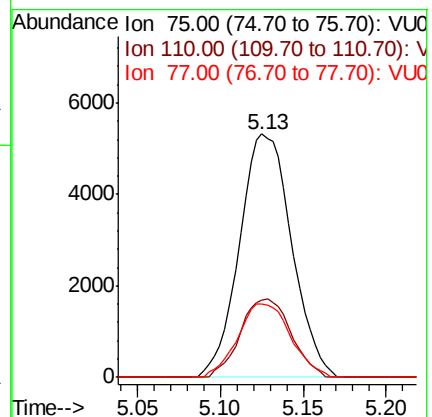
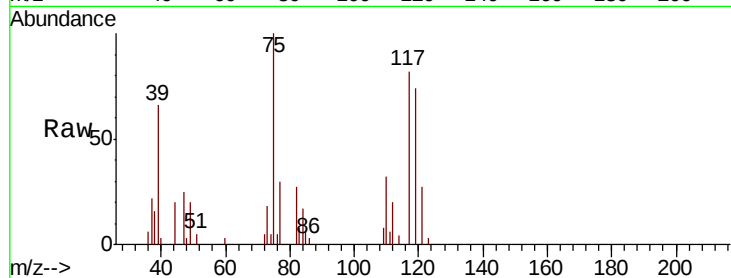
Tot Ion: 75 Resp: 11636

Ion Ratio Lower Upper

75 100

110 31.3 15.8 47.3

77 30.7 25.4 38.0



#30

Carbon Tetrachloride

Concen: 1.854 ug/l

RT: 5.13 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

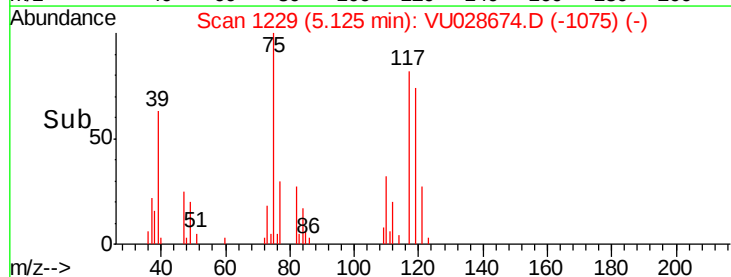
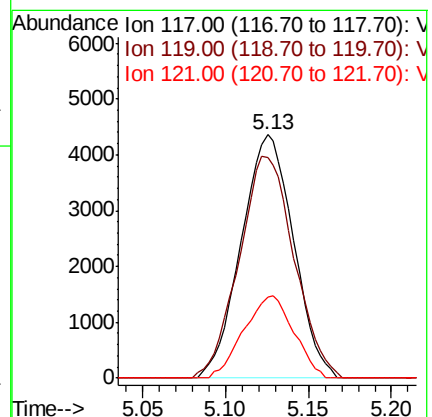
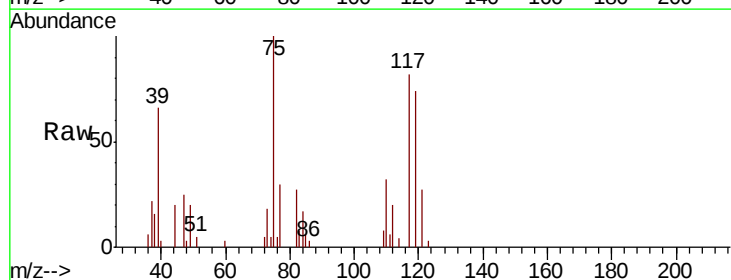
Tgt Ion: 117 Resp: 9547

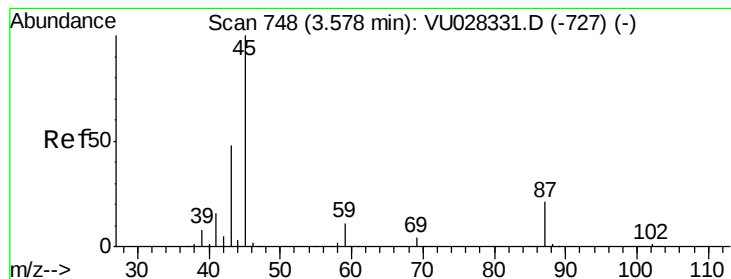
Ion Ratio Lower Upper

117 100

119 90.5 78.2 117.4

121 33.3 24.7 37.1





#31

Isopropyl Ether

Concen: 2.026 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

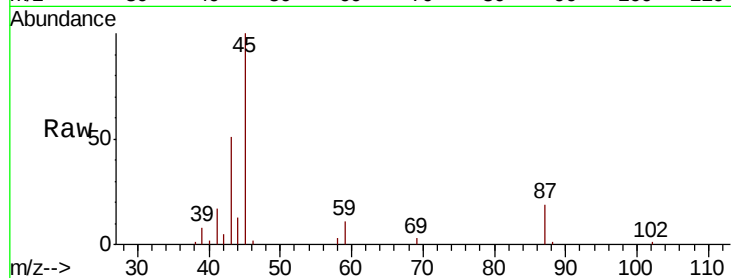
VU1214WBSD01

Tot Ion: 45 Resp: 30711

Ion Ratio Lower Upper

45 100

43 50.8 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

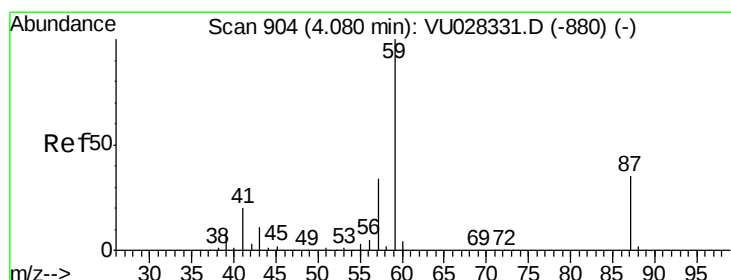
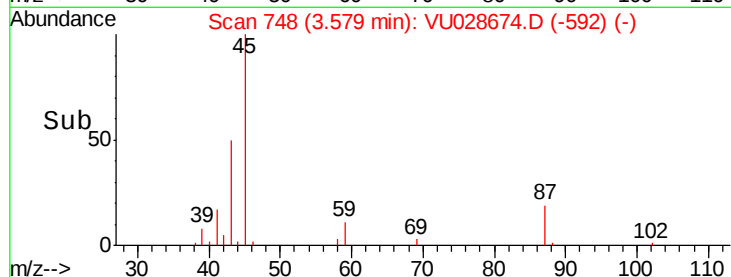
3.58

10000

5000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 1.919 ug/l

RT: 4.08 min Scan# 903

Delta R.T. -0.00 min

Lab File: VU028674.D

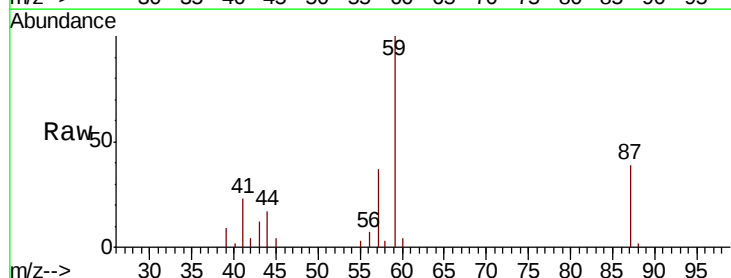
Acq: 13 Dec 2018 13:12

Tgt Ion: 59 Resp: 23964

Ion Ratio Lower Upper

59 100

87 38.3 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

10000

8000

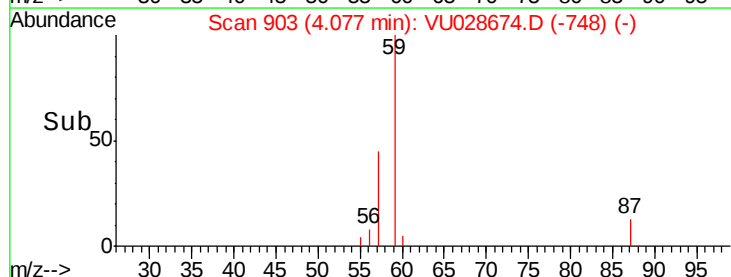
6000

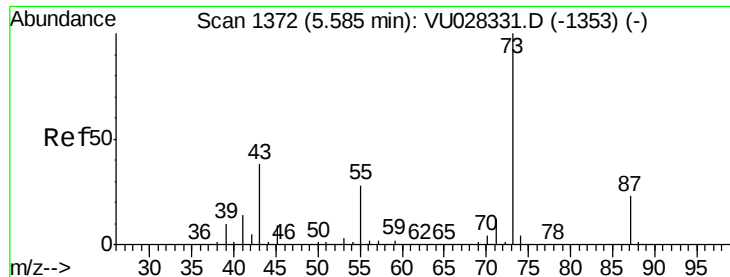
4000

2000

0

Time-->



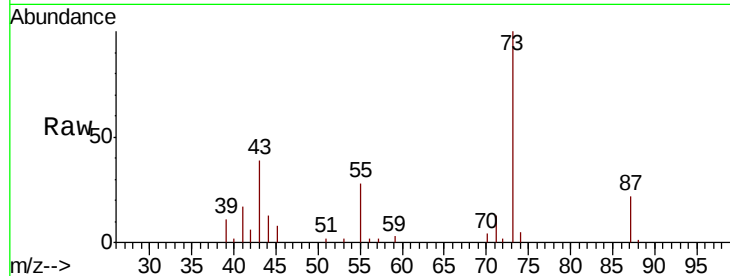


#33

Tert-Butyl methyl ether
 Concen: 1.915 ug/l
 RT: 5.59 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	21.9	17.6	26.4
71	11.6	9.2	13.8

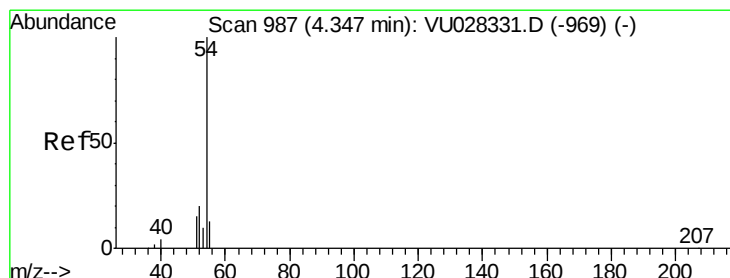
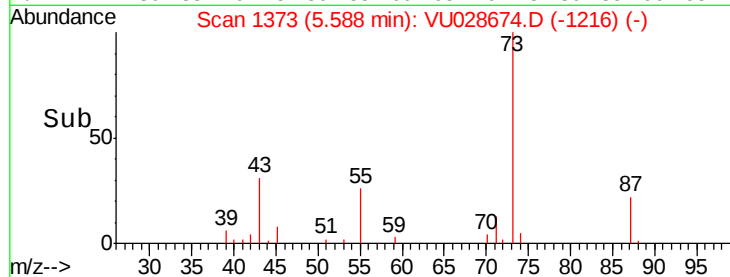
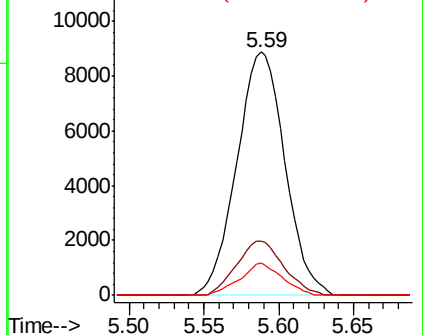


Abundance

Ion 73.00 (72.70 to 73.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

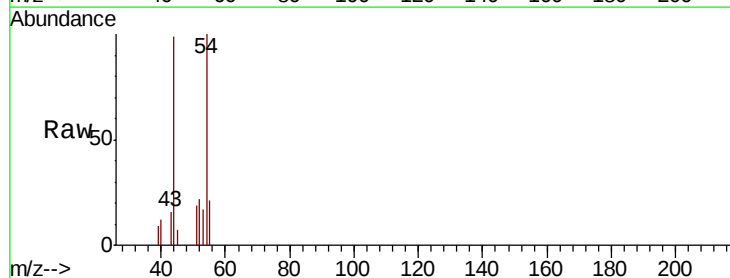
Ion 71.00 (70.70 to 71.70): VU0



#34

Propionitrile
 Concen: 10.413 ug/l
 RT: 4.34 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.6	16.6	25.0
55	18.1	12.9	19.3
40	9.0	2.6	4.0#



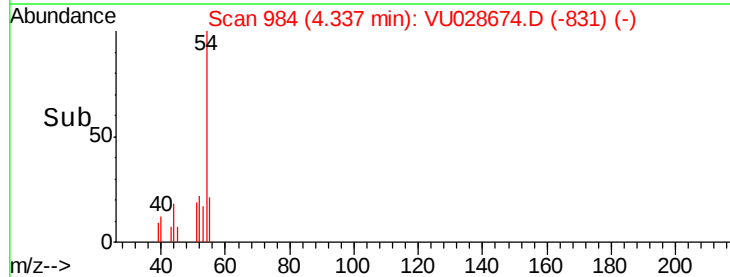
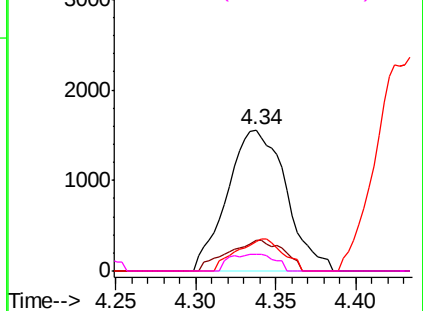
Abundance

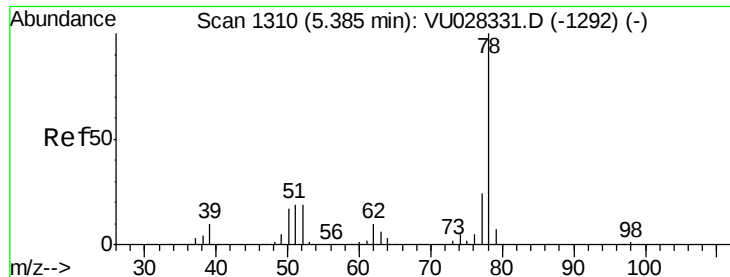
Ion 54.00 (53.70 to 54.70): VU0

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: 1.930 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

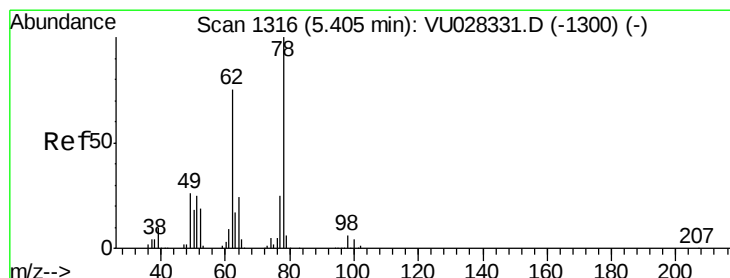
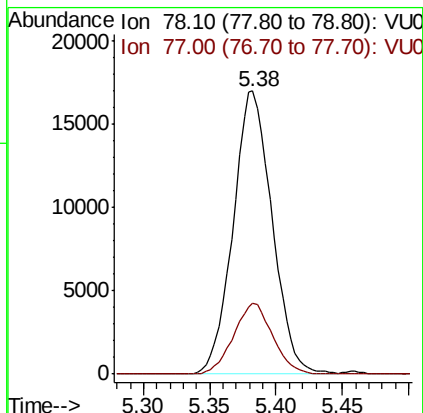
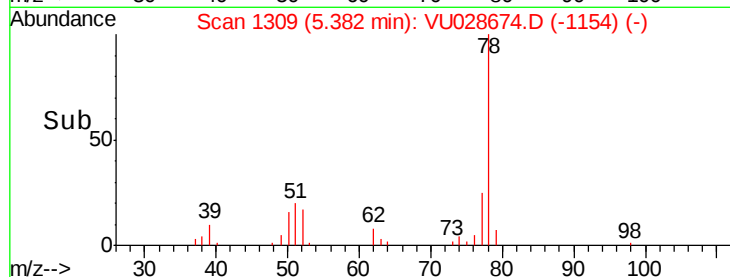
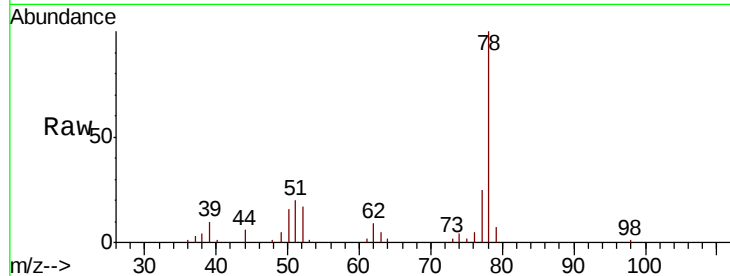
VU1214WBSD01

Tot Ion: 78 Resp: 34745

Ion Ratio Lower Upper

78 100

77 24.9 19.5 29.3



#36

1,2-Dichloroethane

Concen: 1.979 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028674.D

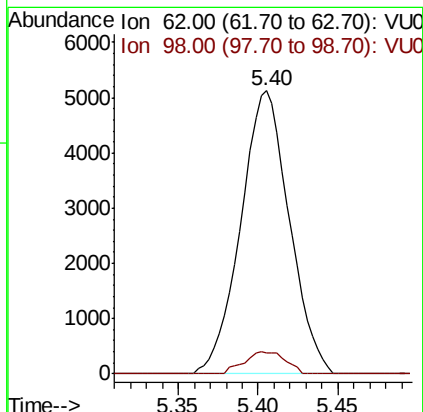
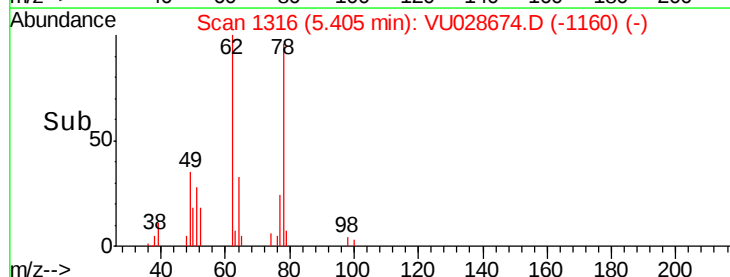
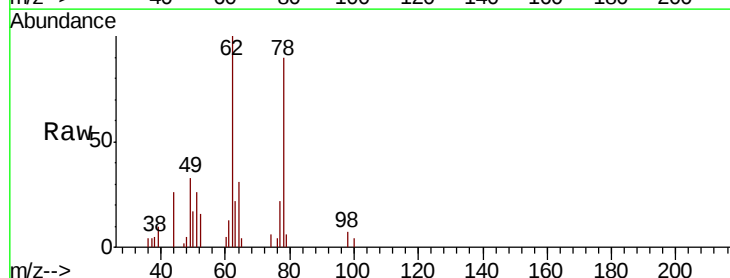
Acq: 13 Dec 2018 13:12

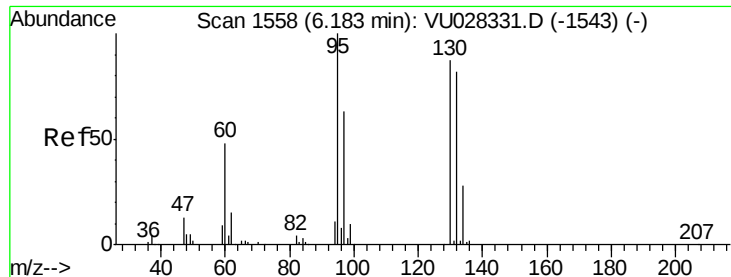
Tgt Ion: 62 Resp: 10658

Ion Ratio Lower Upper

62 100

98 6.6 6.0 9.0

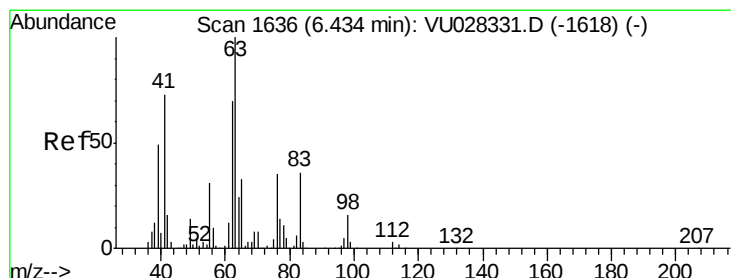
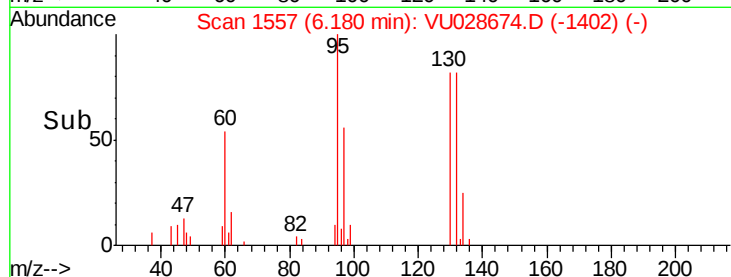
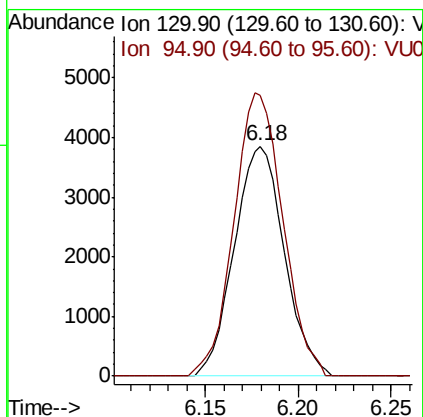
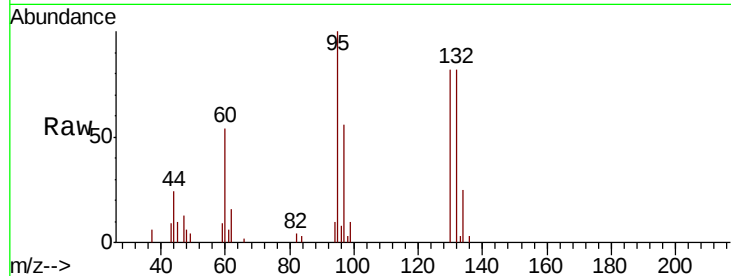




#37
 Trichloroethene
 Concen: 1.841 ug/l
 RT: 6.18 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

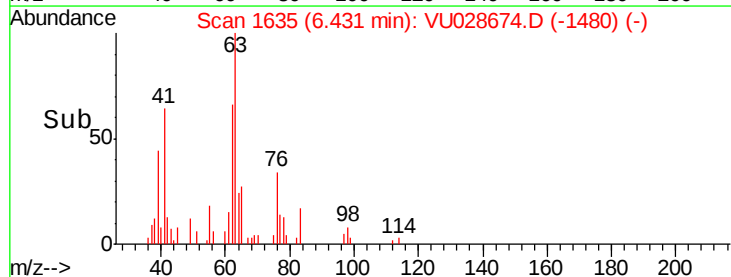
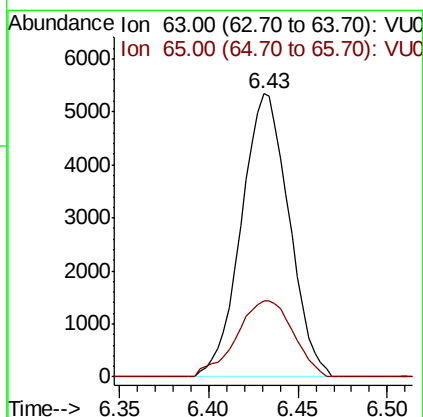
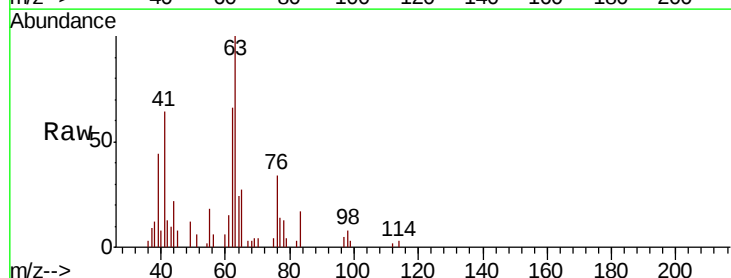
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

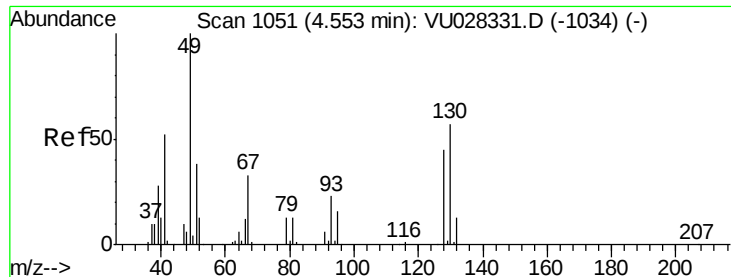
Tot Ion:130 Resp: 7221
 Ion Ratio Lower Upper
 130 100
 95 121.8 91.5 137.3



#38
 1,2-Dichloropropane
 Concen: 1.944 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion: 63 Resp: 9982
 Ion Ratio Lower Upper
 63 100
 65 27.0 26.2 39.4

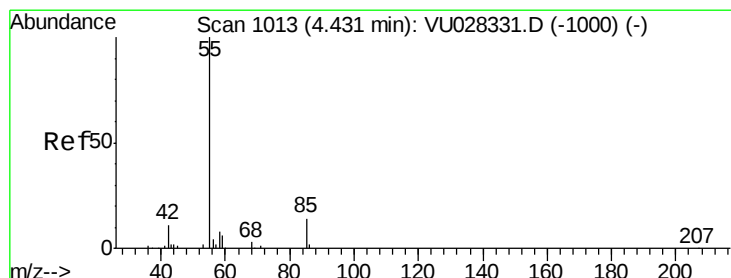
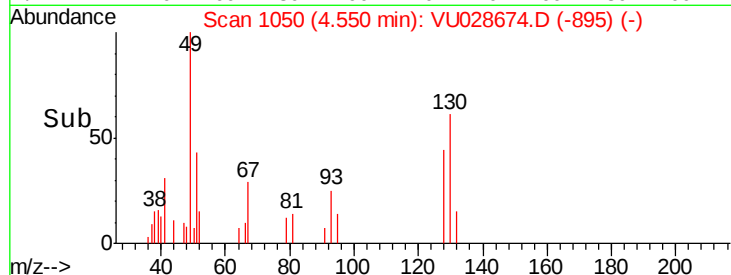
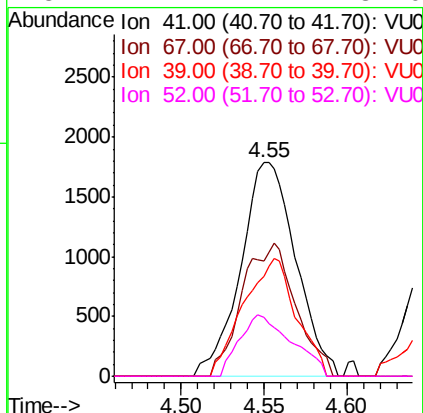
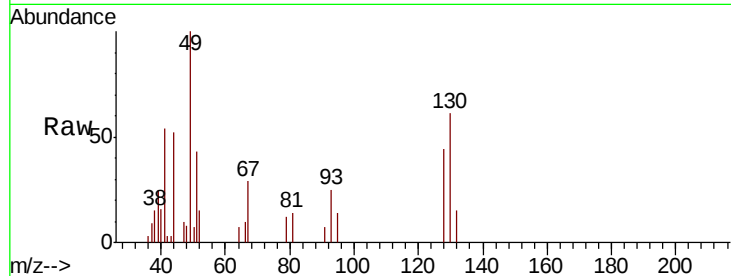




#39
Methacrylonitrile
Concen: 2.052 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

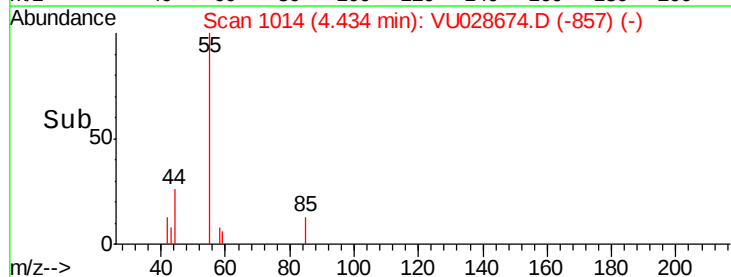
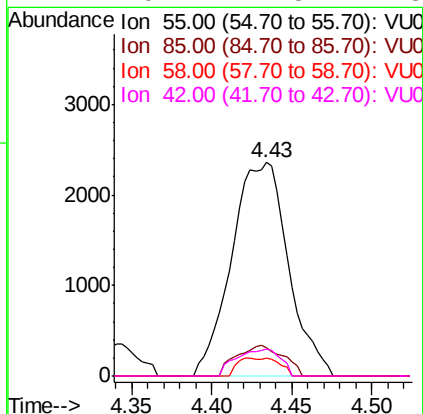
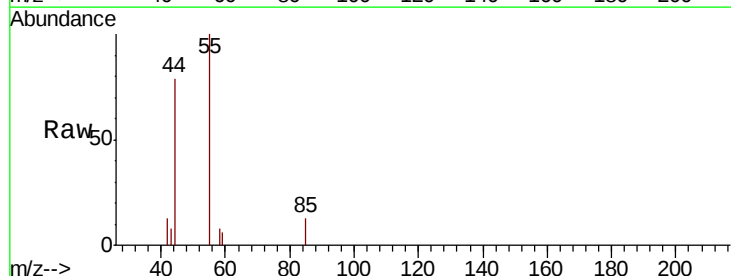
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

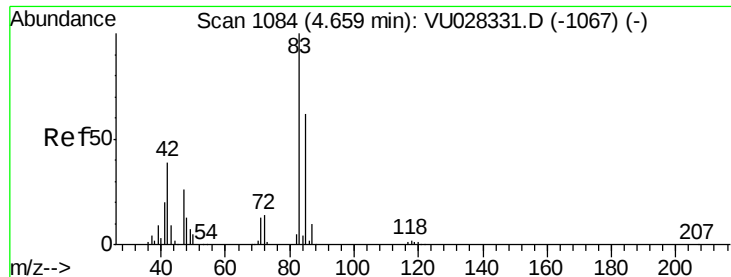
Tot Ion:	41	Resp:	4132
Ion	Ratio	Lower	Upper
41	100		
67	60.8	48.2	72.4
39	53.0	42.9	64.3
52	27.1	21.4	32.0



#40
Methyl acrylate
Concen: 2.063 ug/l
RT: 4.43 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion:	55	Resp:	5717
Ion	Ratio	Lower	Upper
55	100		
85	11.8	10.9	16.3
58	3.0	6.4	9.6#
42	9.7	7.5	11.3





#41

Tetrahydrofuran

Concen: 4.444 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

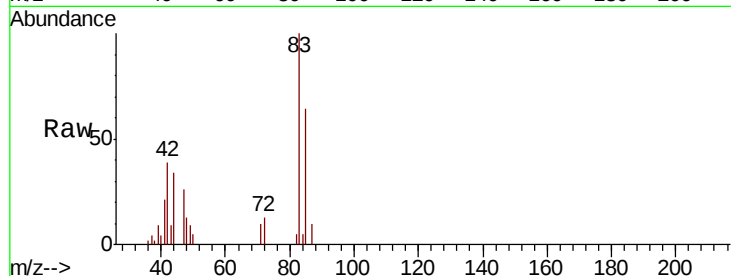
Tot Ion: 42 Resp: 4498

Ion Ratio Lower Upper

42 100

72 32.9 29.8 44.6

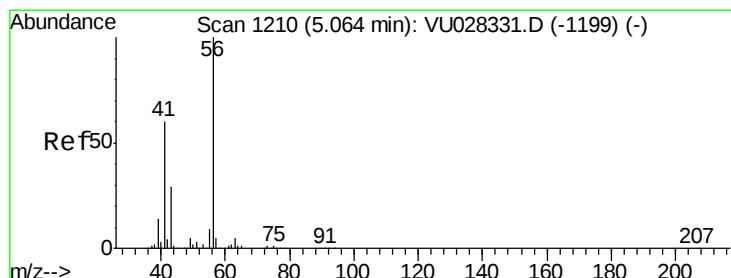
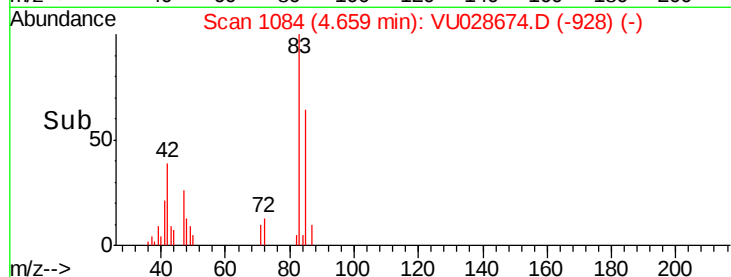
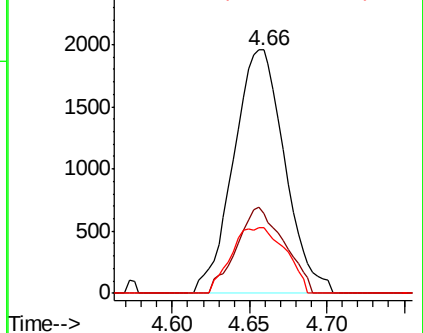
71 28.6 25.9 38.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 1.843 ug/l

RT: 5.06 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VU028674.D

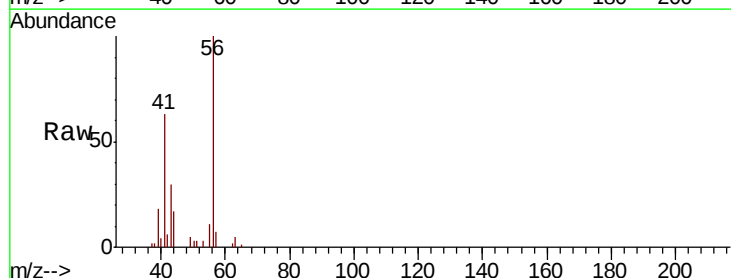
Acq: 13 Dec 2018 13:12

Tgt Ion: 56 Resp: 17920

Ion Ratio Lower Upper

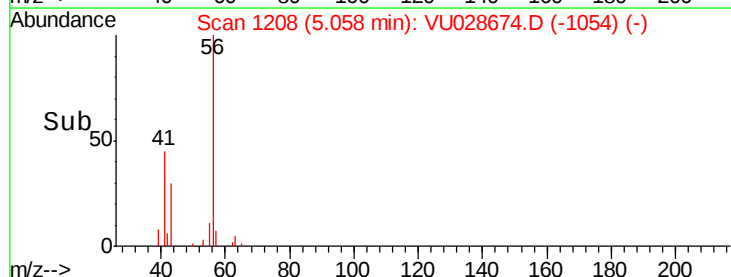
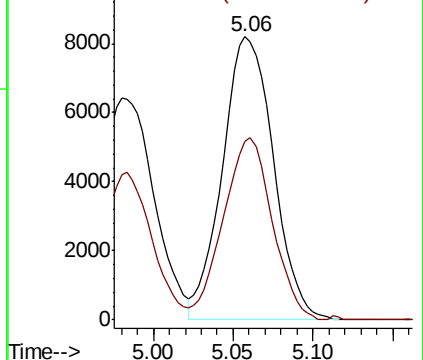
56 100

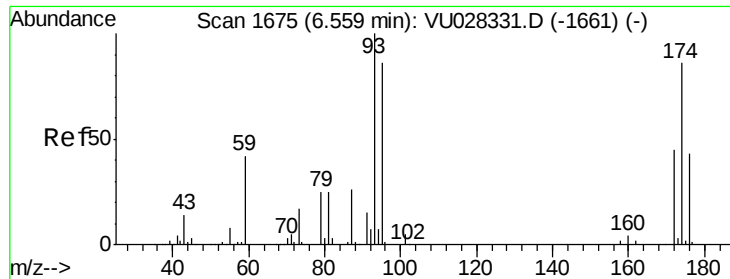
41 61.7 29.8 89.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 1.993 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

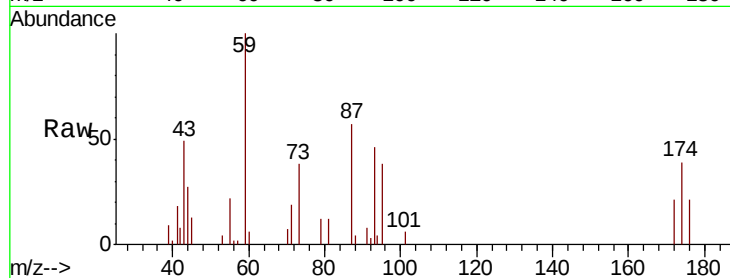
Tot Ion: 93 Resp: 4355

Ion Ratio Lower Upper

93 100

95 80.1 66.6 99.8

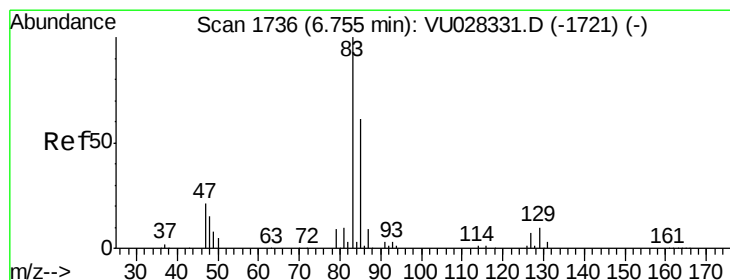
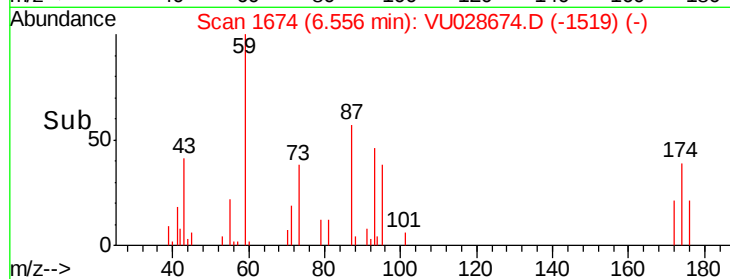
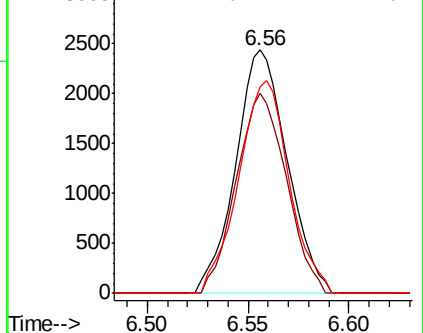
174 85.7 69.4 104.2



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: 1.883 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

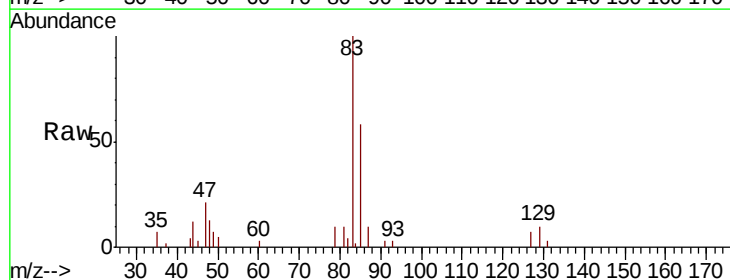
Tgt Ion: 83 Resp: 10865

Ion Ratio Lower Upper

83 100

85 57.9 49.0 73.6

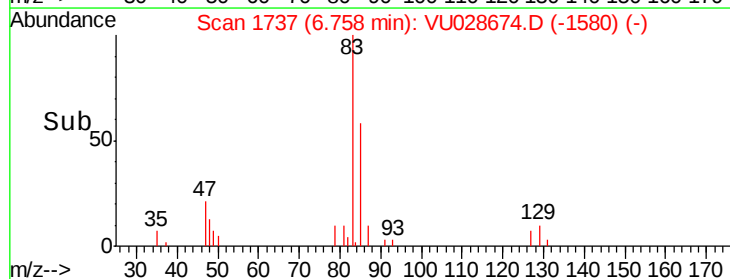
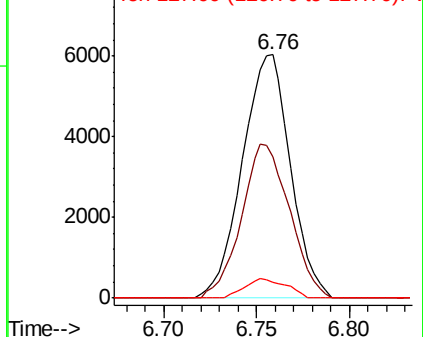
127 6.6 5.7 8.5

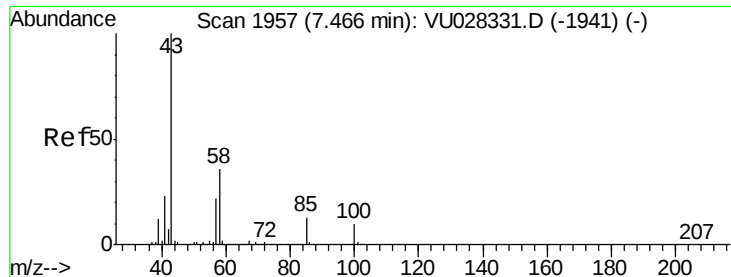


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

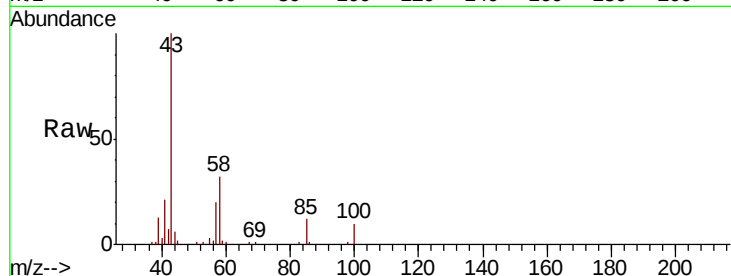




#45
4-Methyl-2-Pentanone
Concen: 9.110 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.1	17.9	53.7
85	12.4	10.8	16.2

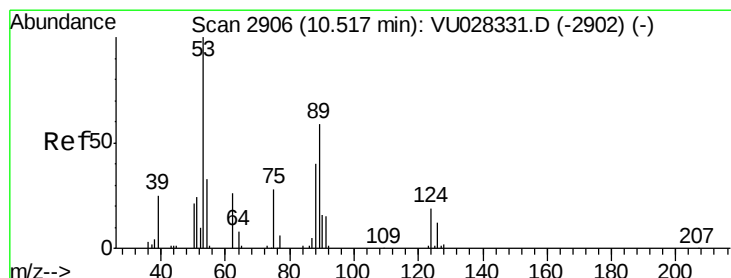
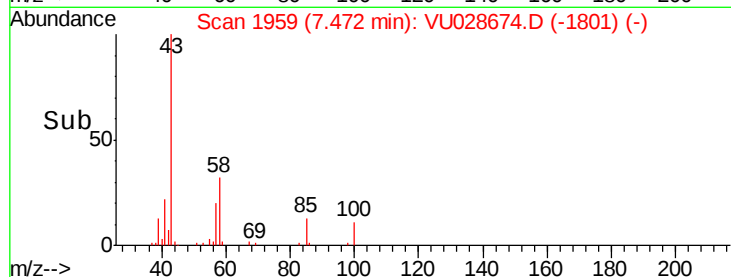
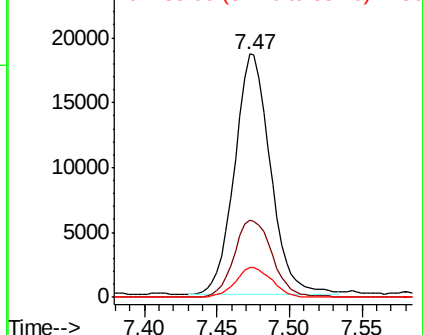


Abundance

Ion 43.00 (42.70 to 43.70): VU0

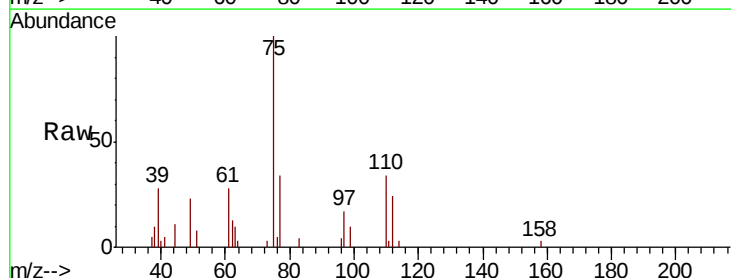
Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
t-1,4-Dichloro-2-butene
Concen: 8.256 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.03 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
53	35.7	65.0	97.6#
89	21.7	38.6	58.0#
88	15.1	27.3	40.9#



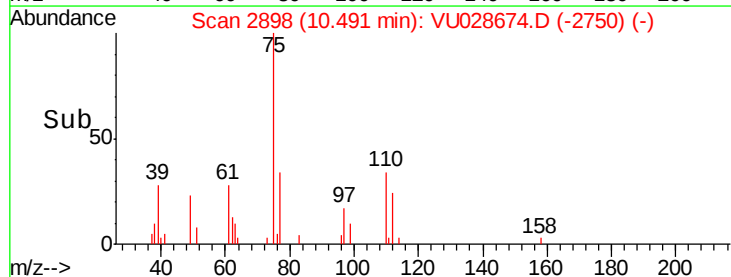
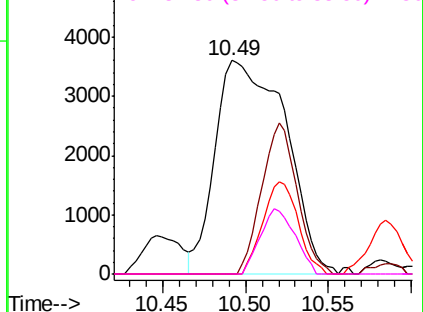
Abundance

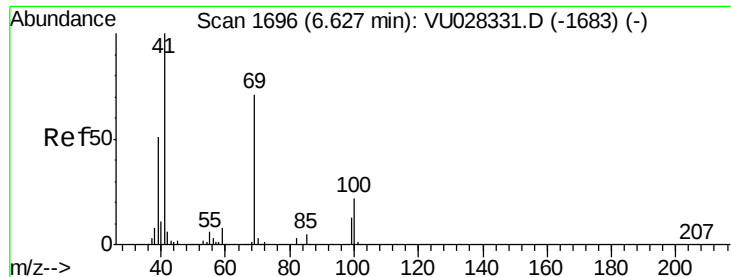
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0

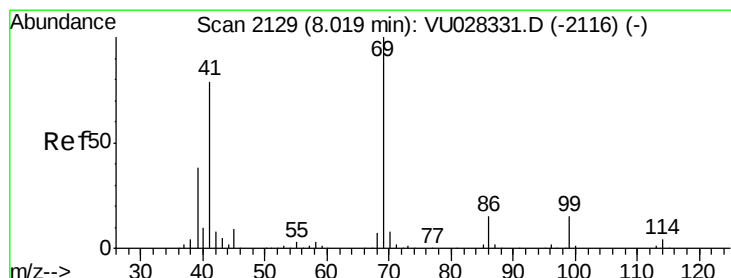
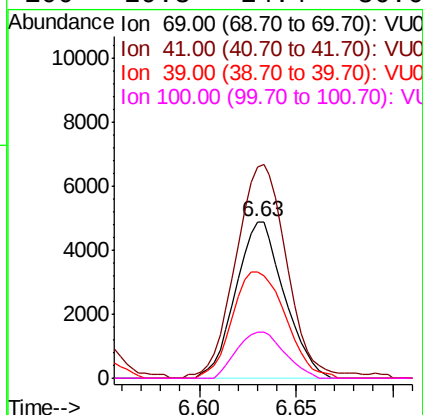
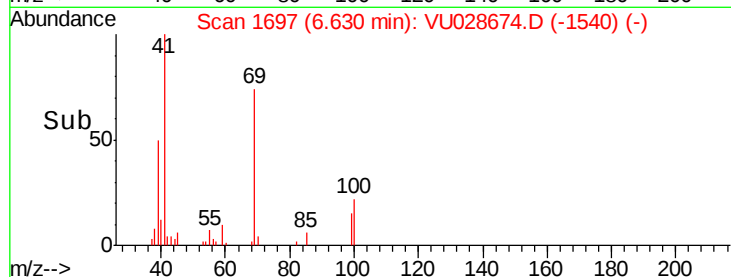
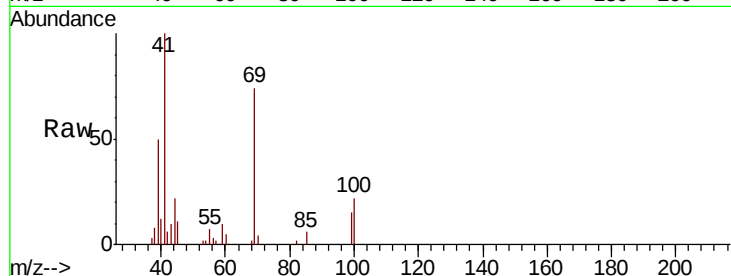




#47
Methyl methacrylate
Concen: 3.808 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

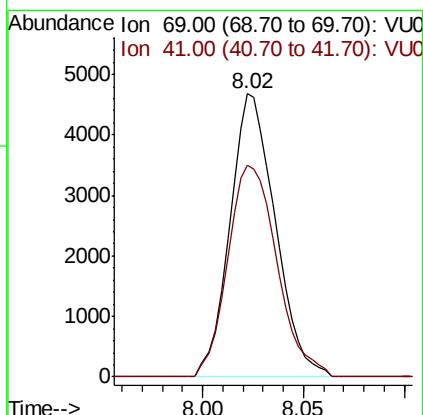
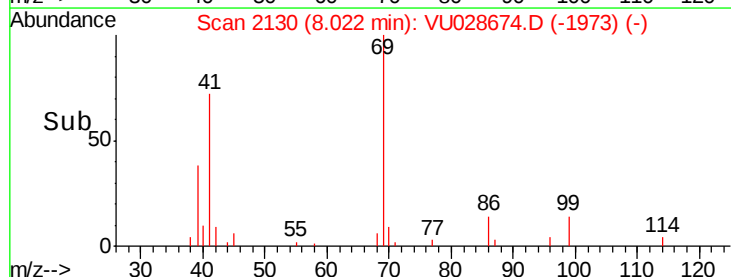
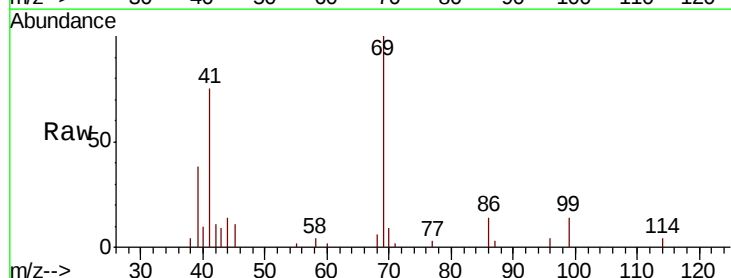
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

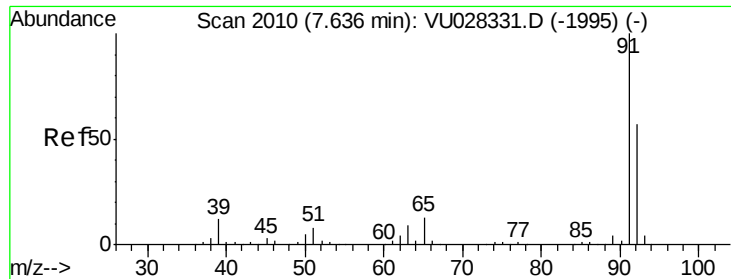
Tot Ion: 69 Resp: 8495
Ion Ratio Lower Upper
69 100
41 144.6 0.0 277.2
39 74.5 57.6 86.4
100 29.3 24.4 36.6



#48
Ethyl methacrylate
Concen: 1.650 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 69 Resp: 7365
Ion Ratio Lower Upper
69 100
41 81.3 39.4 118.2





#49

Toluene

Concen: 1.849 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

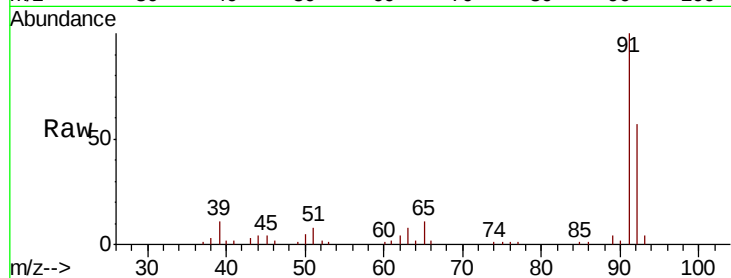
VU1214WBSD01

Tot Ion: 92 Resp: 18492

Ion Ratio Lower Upper

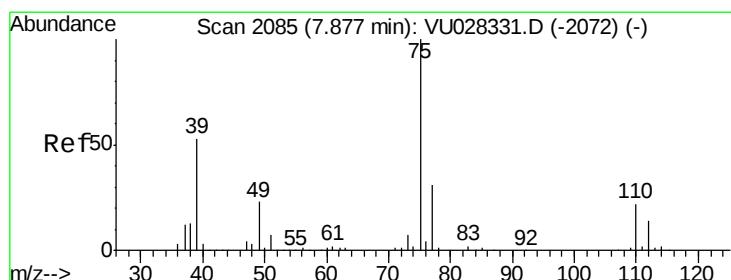
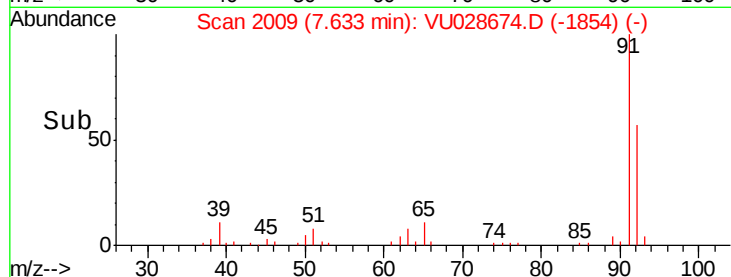
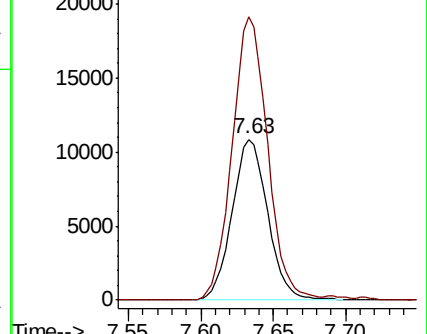
92 100

91 174.9 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 1.849 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028674.D

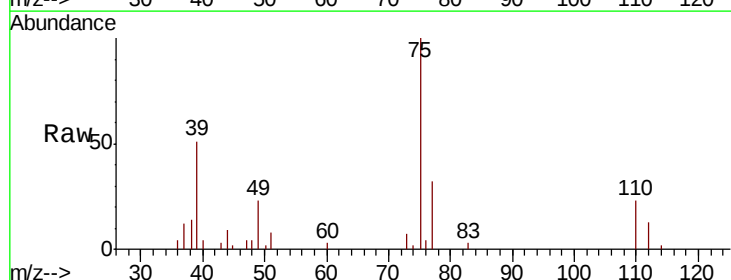
Acq: 13 Dec 2018 13:12

Tgt Ion: 75 Resp: 10252

Ion Ratio Lower Upper

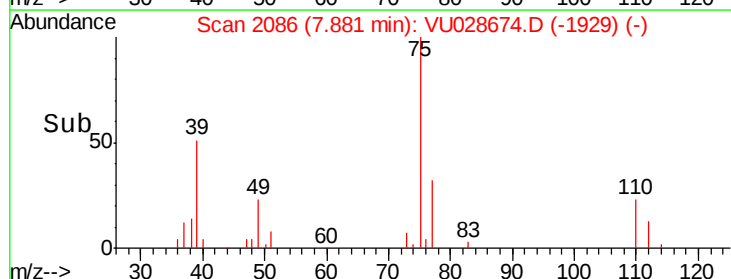
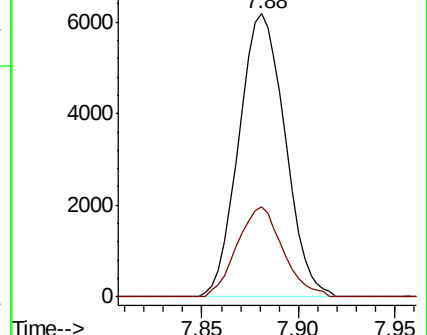
75 100

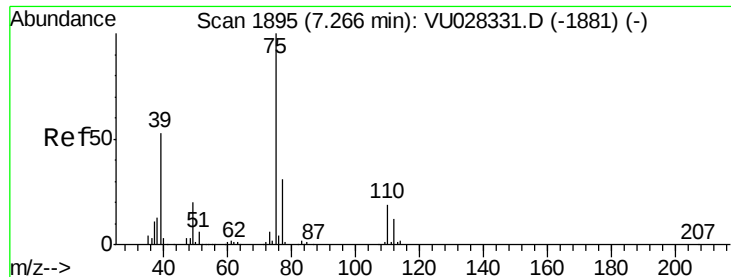
77 31.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



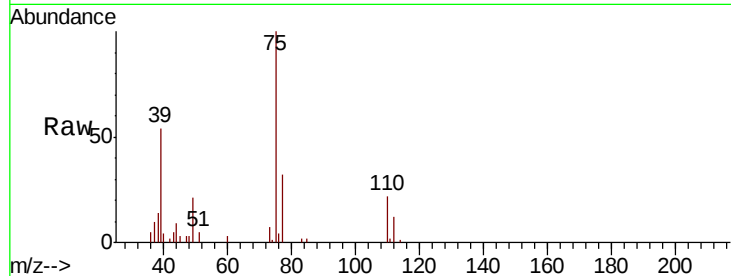


#51

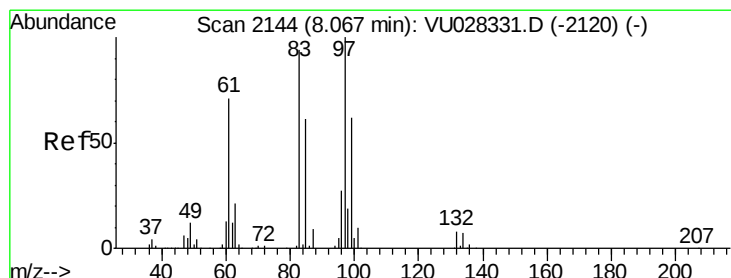
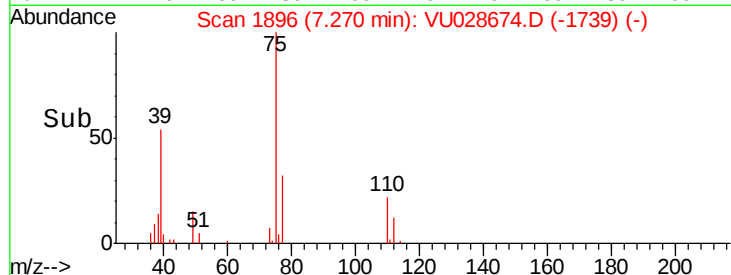
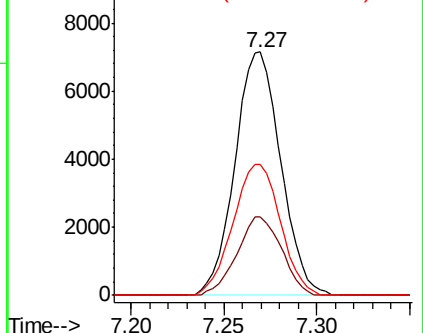
cis-1,3-Dichloropropene
Concen: 1.794 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion: 75 Resp: 12282
Ion Ratio Lower Upper
75 100
77 32.5 24.4 36.6
39 53.8 42.8 64.2



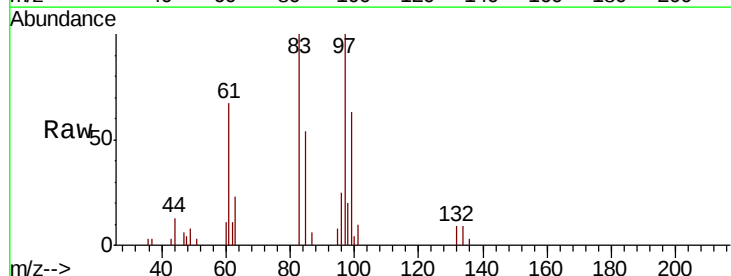
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



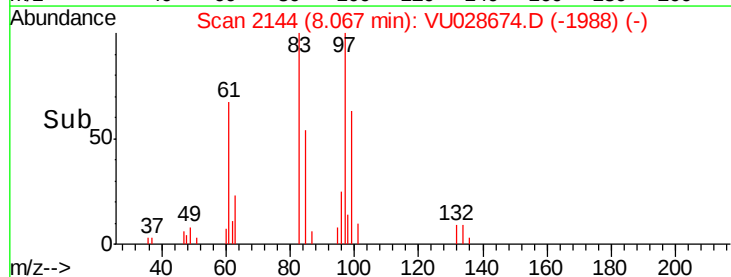
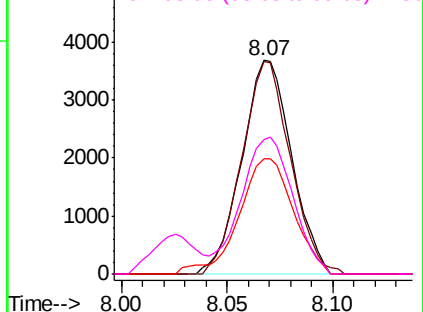
#52

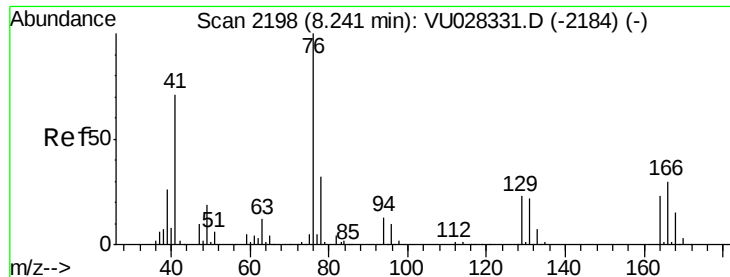
1,1,2-Trichloroethane
Concen: 1.968 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 97 Resp: 6038
Ion Ratio Lower Upper
97 100
83 99.7 75.1 112.7
85 53.9 48.7 73.1
99 63.2 49.6 74.4



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: 1.892 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

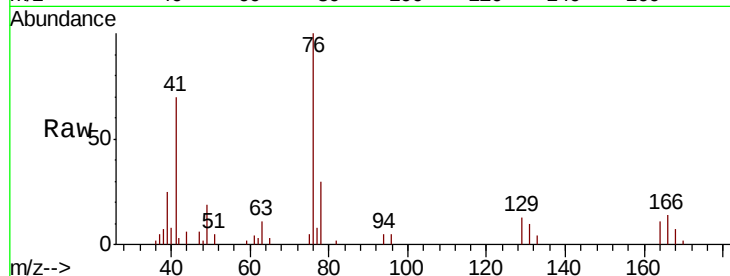
VU1214WBSD01

Tot Ion: 76 Resp: 10846

Ion Ratio Lower Upper

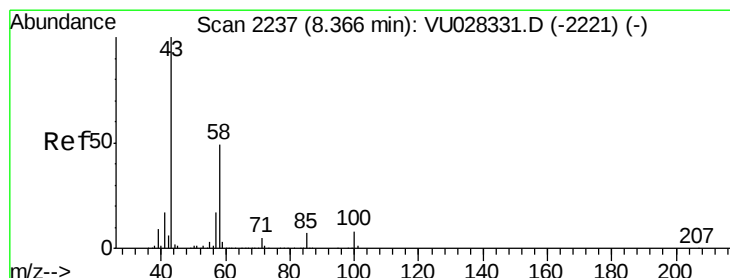
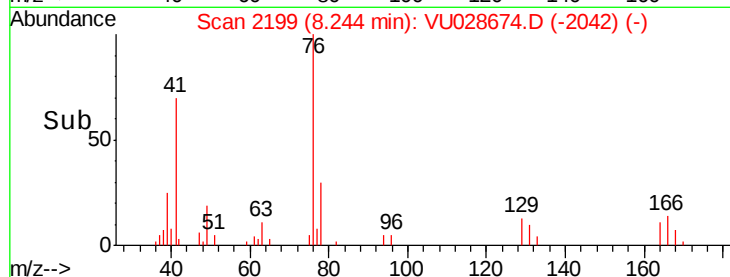
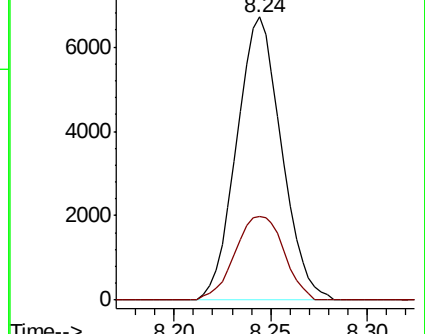
76 100

78 32.3 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 9.122 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

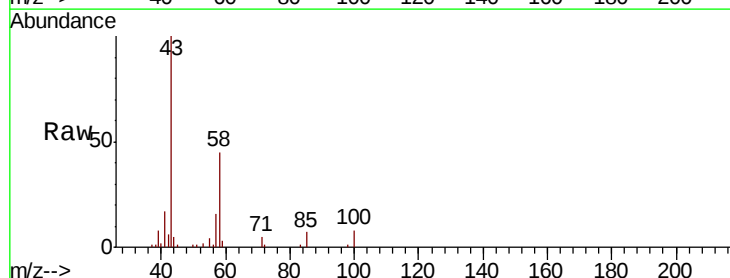
Tgt Ion: 43 Resp: 23038

Ion Ratio Lower Upper

43 100

58 44.2 29.3 69.3

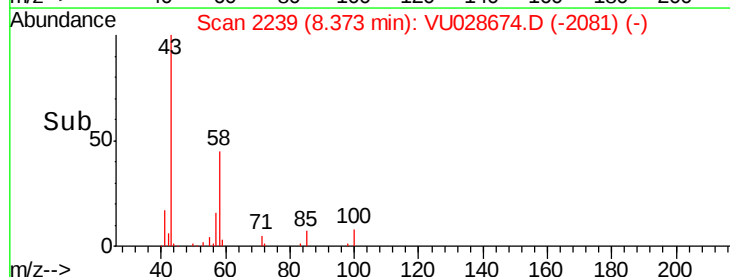
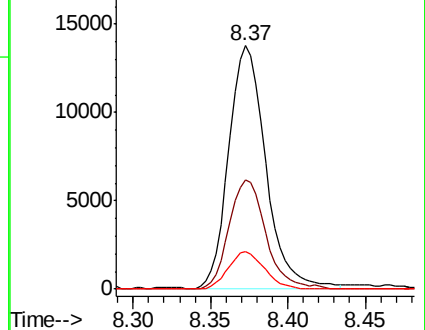
57 14.9 0.0 36.8

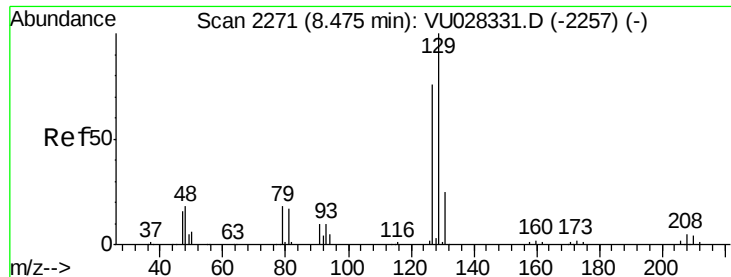


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 1.953 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

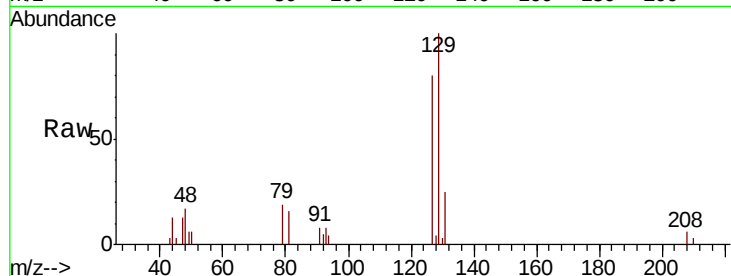
VU1214WBSD01

Tot Ion:129 Resp: 6374

Ion Ratio Lower Upper

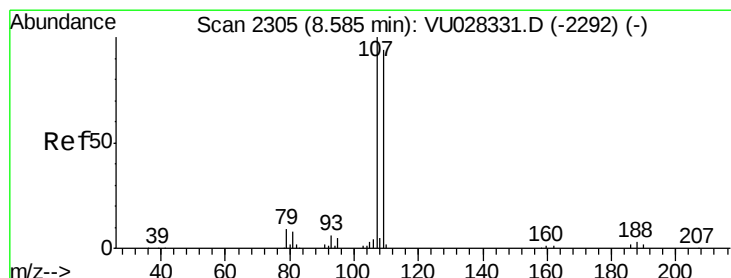
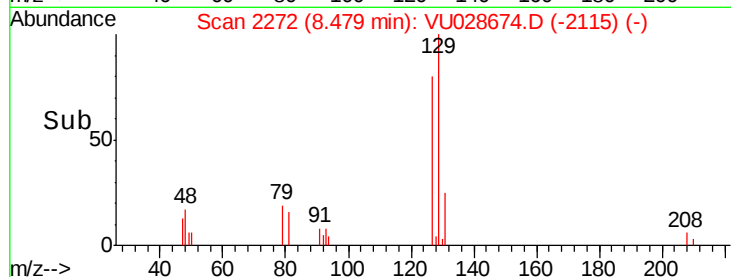
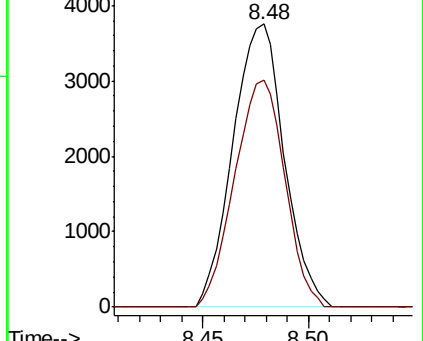
129 100

127 78.3 61.0 91.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.917 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028674.D

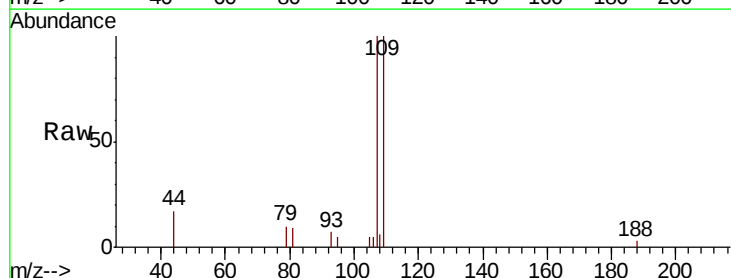
Acq: 13 Dec 2018 13:12

Tgt Ion:107 Resp: 5359

Ion Ratio Lower Upper

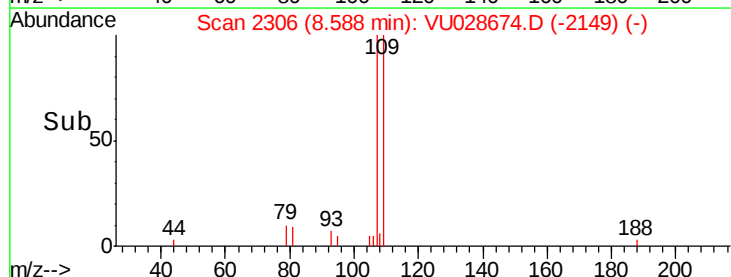
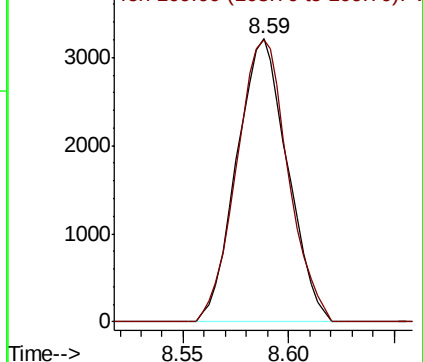
107 100

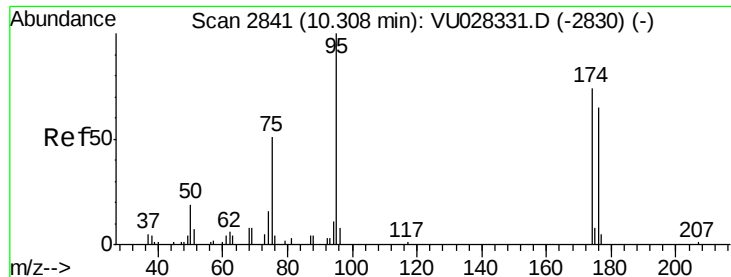
109 101.0 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 1.917 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

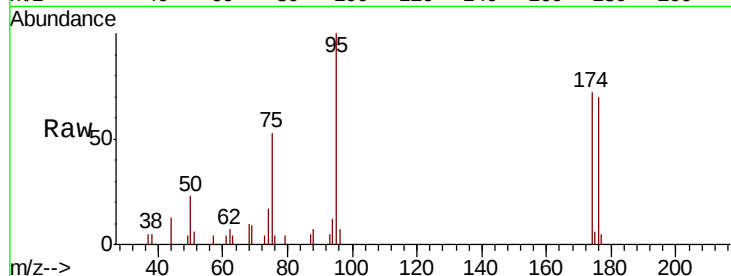
Tot Ion: 95 Resp: 4734

Ion Ratio Lower Upper

95 100

174 74.6 59.3 88.9

176 71.8 54.3 81.5

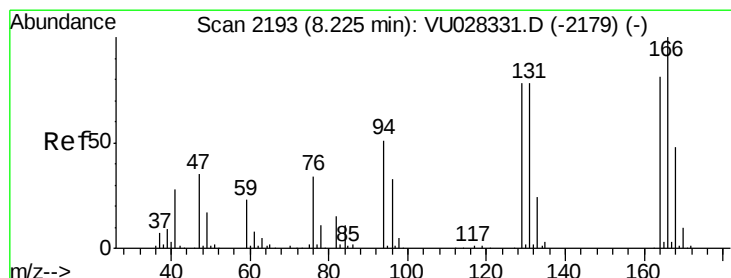
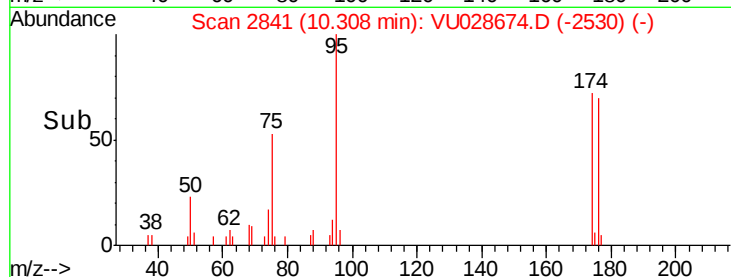
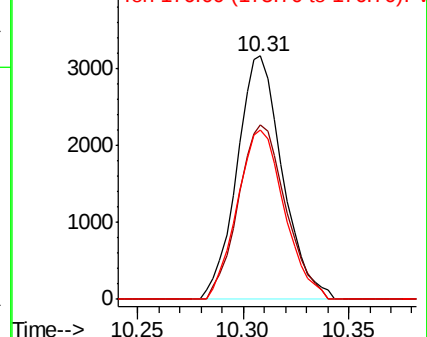


Abundance

Ion 95.00 (94.70 to 95.70): VU028331.D (-2830) (-)

Ion 174.00 (173.70 to 174.70): VU028331.D (-2830) (-)

Ion 176.00 (175.70 to 176.70): VU028331.D (-2830) (-)



#58

Tetrachloroethene

Concen: 1.972 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Tgt Ion:164 Resp: 7080

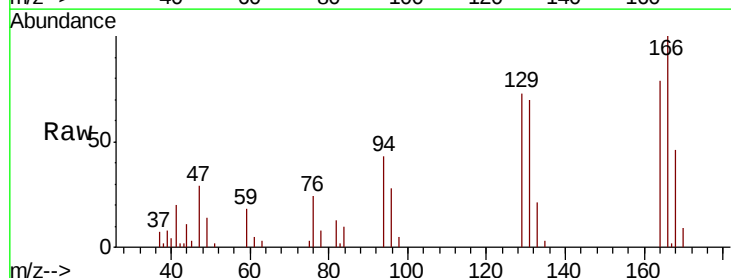
Ion Ratio Lower Upper

164 100

166 126.2 98.6 148.0

129 92.0 77.0 115.4

131 88.1 77.0 115.4



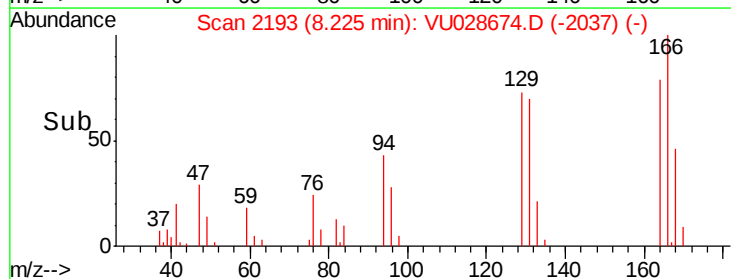
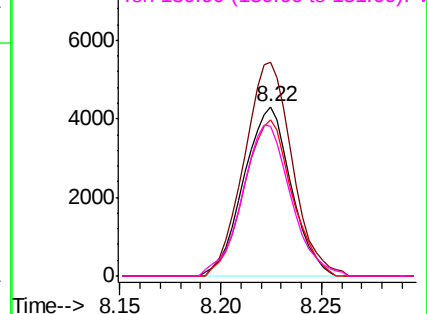
Abundance

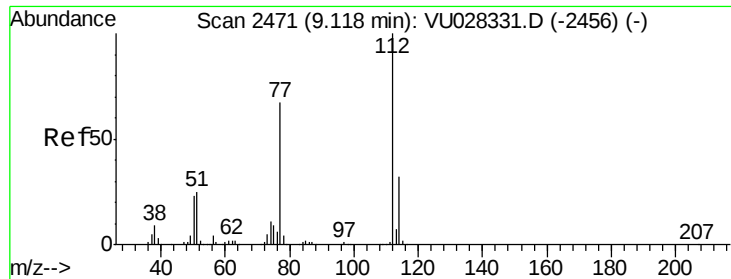
Ion 163.85 (163.55 to 164.55): VU028331.D (-2179) (-)

Ion 165.80 (165.50 to 166.50): VU028331.D (-2179) (-)

Ion 128.90 (128.60 to 129.60): VU028331.D (-2179) (-)

Ion 130.90 (130.60 to 131.60): VU028331.D (-2179) (-)

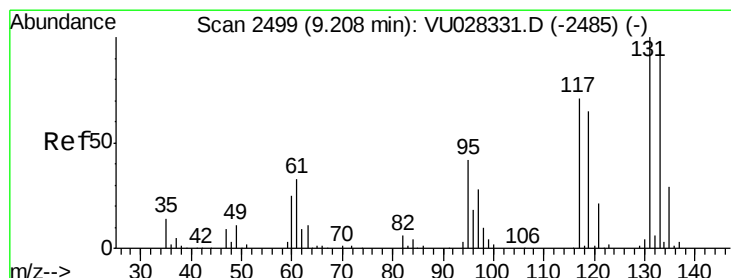
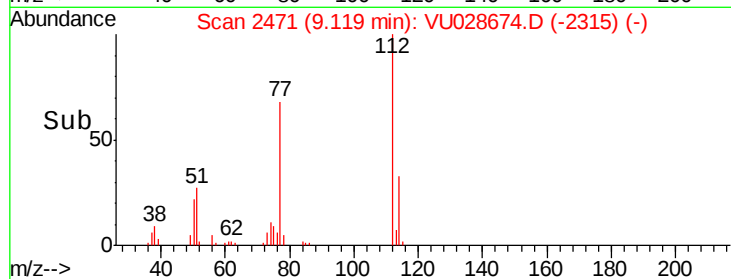
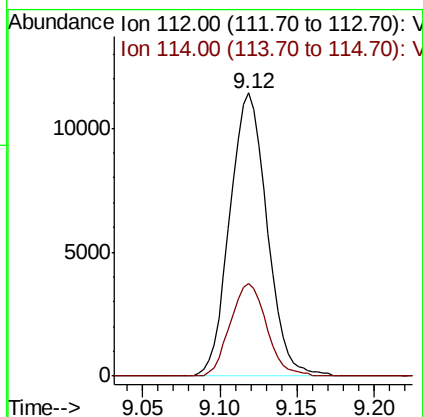
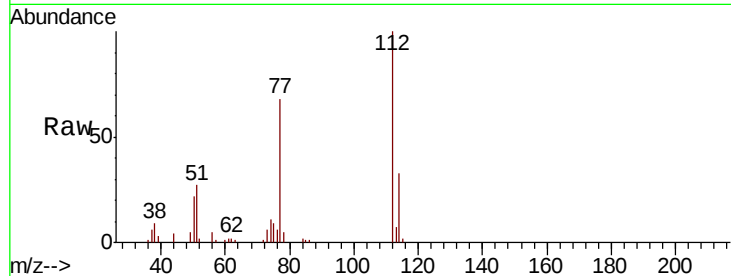




#59
Chlorobenzene
Concen: 1.836 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

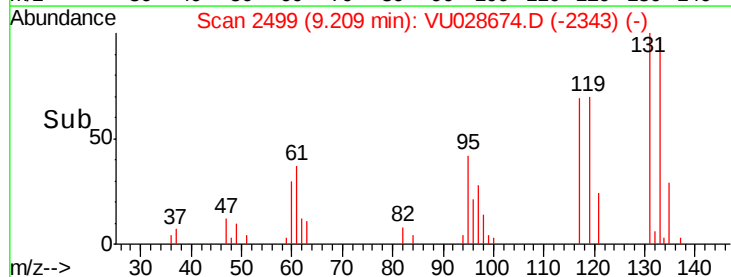
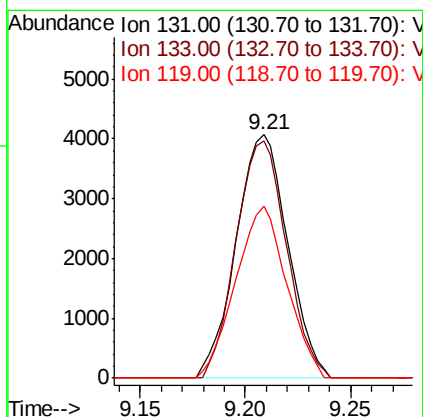
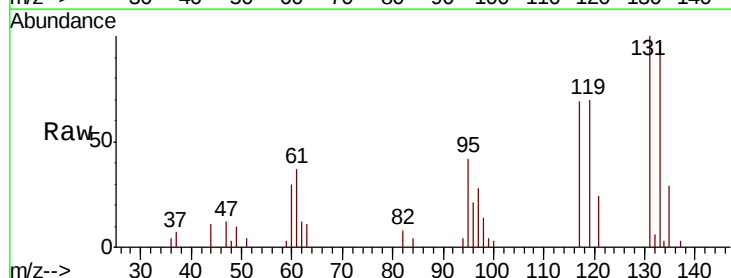
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

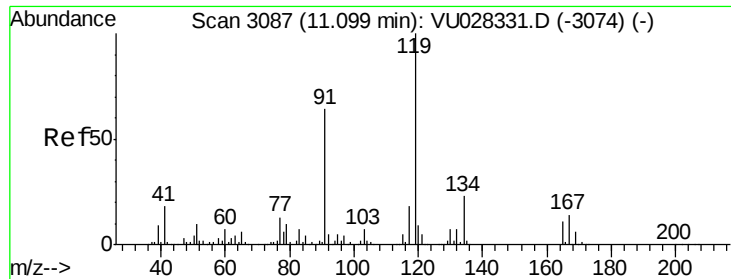
Tot Ion:112 Resp: 19106
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8



#60
1,1,1,2-Tetrachloroethane
Concen: 1.970 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion:131 Resp: 6946
Ion Ratio Lower Upper
131 100
133 94.7 77.7 116.5
119 69.5 54.3 81.5

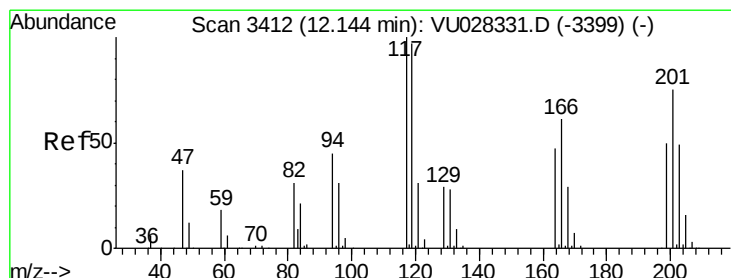
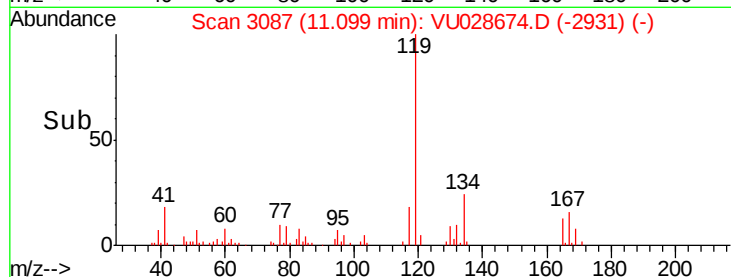
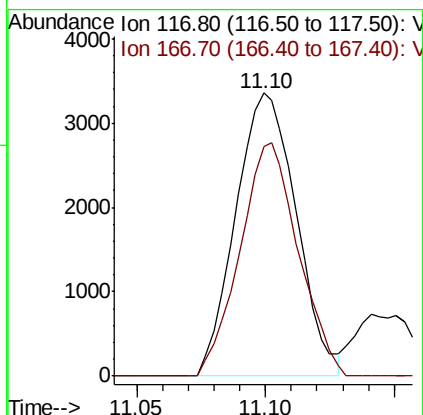
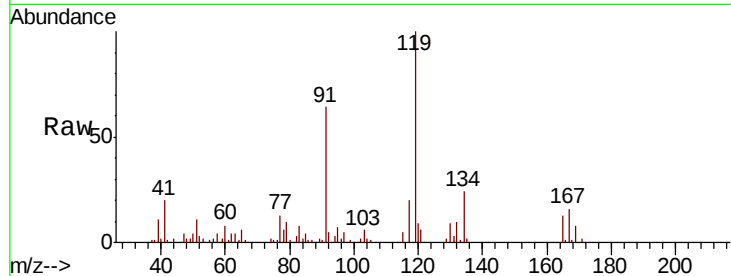




#61
 Pentachloroethane
 Concen: 2.003 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

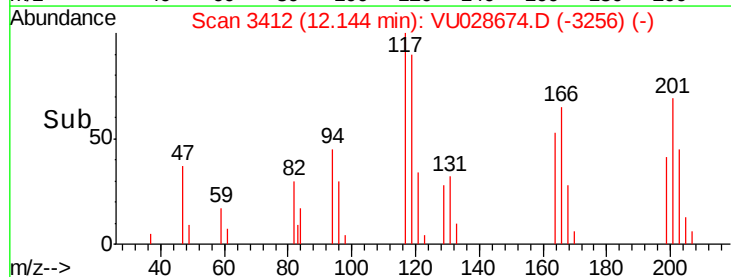
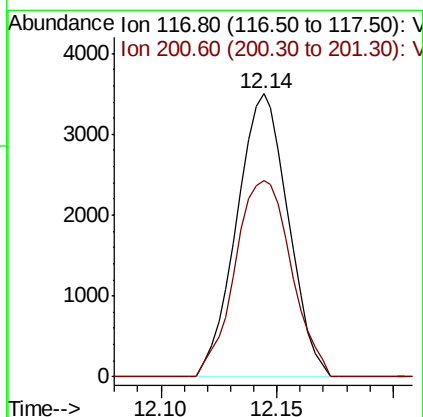
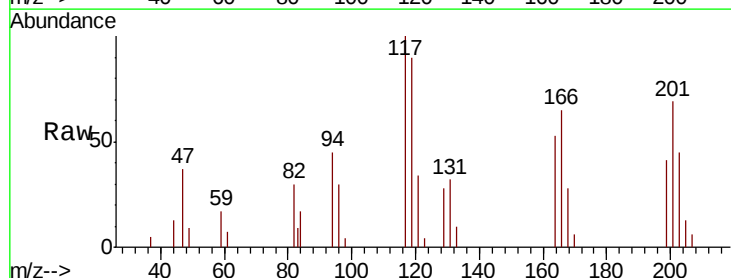
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

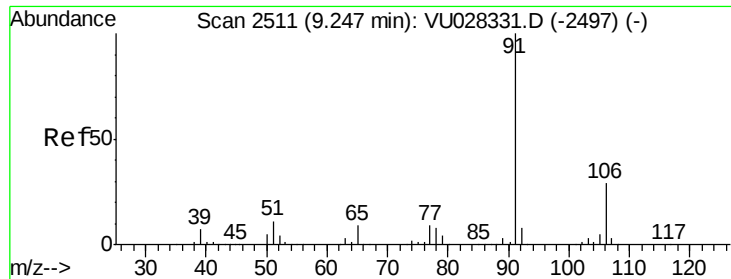
Tot Ion:117 Resp: 5497
 Ion Ratio Lower Upper
 117 100
 167 79.3 64.2 96.2



#62
 Hexachloroethane
 Concen: 2.102 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion:117 Resp: 5404
 Ion Ratio Lower Upper
 117 100
 201 75.8 59.4 89.2

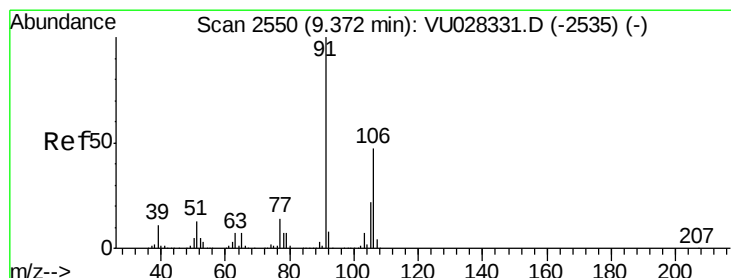
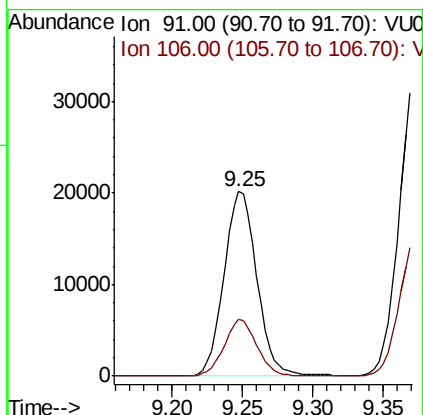
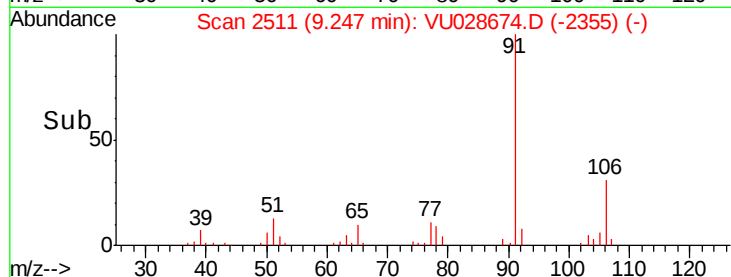
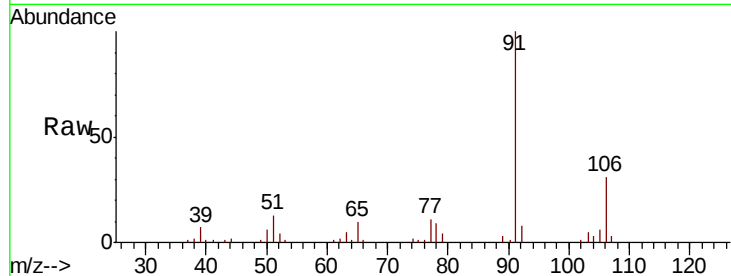




#63
Ethyl Benzene
Concen: 1.712 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

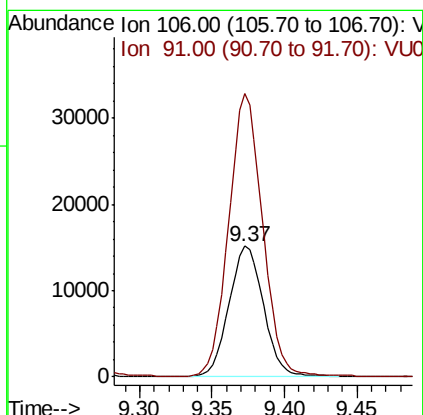
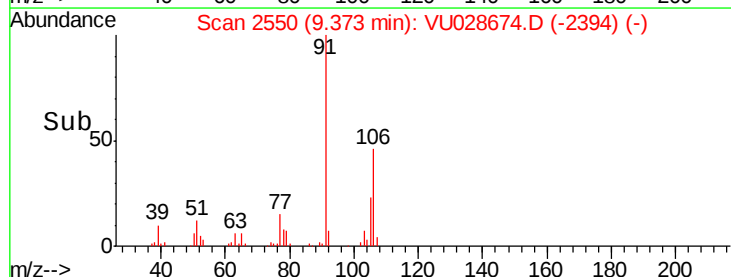
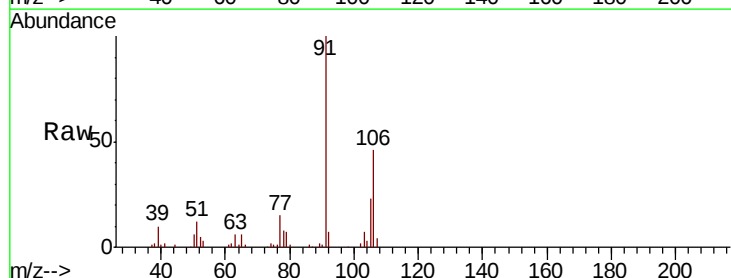
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

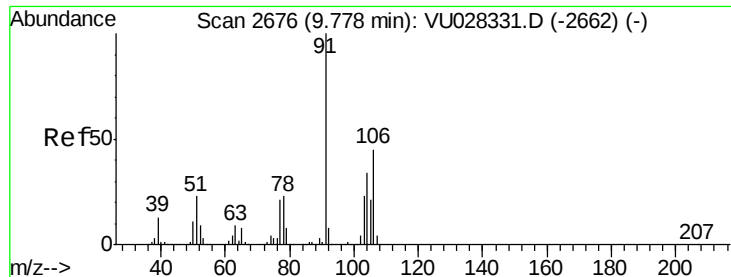
Tot Ion: 91 Resp: 32877
Ion Ratio Lower Upper
91 100
106 30.6 23.4 35.2



#64
m/p-Xylenes
Concen: 3.613 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 106 Resp: 25103
Ion Ratio Lower Upper
106 100
91 212.3 170.6 256.0





#65

o-Xylene

Concen: 1.792 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

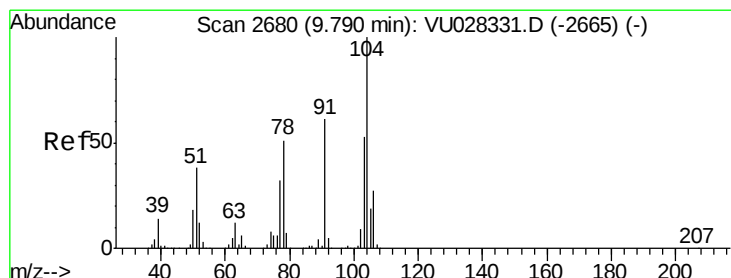
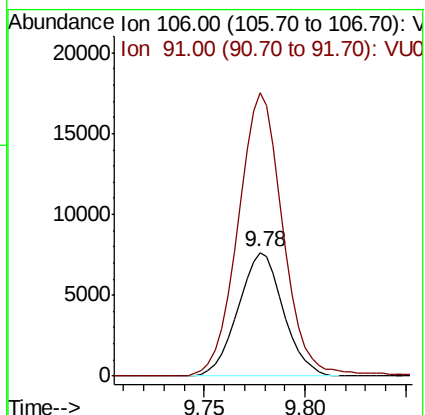
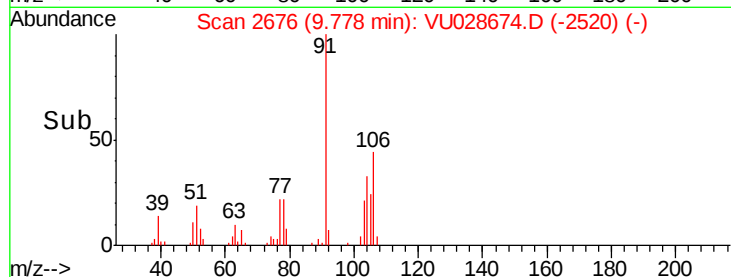
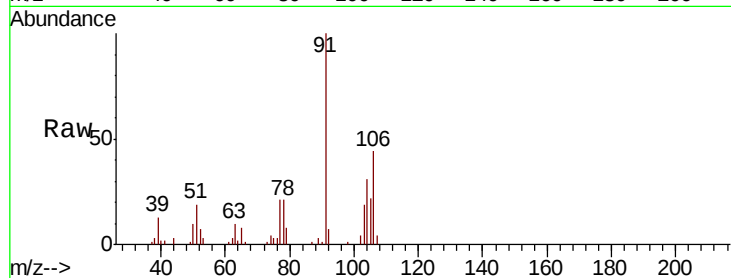
VU1214WBSD01

Tot Ion:106 Resp: 12013

Ion Ratio Lower Upper

106 100

91 227.7 112.3 337.0



#66

Styrene

Concen: 1.786 ug/l

RT: 9.79 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

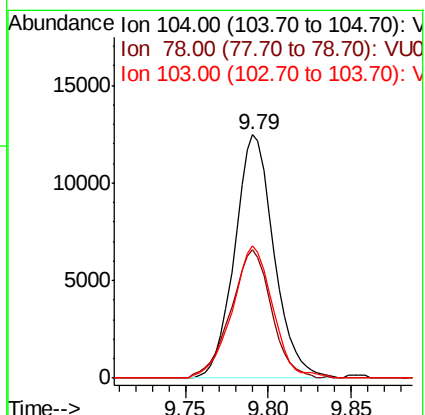
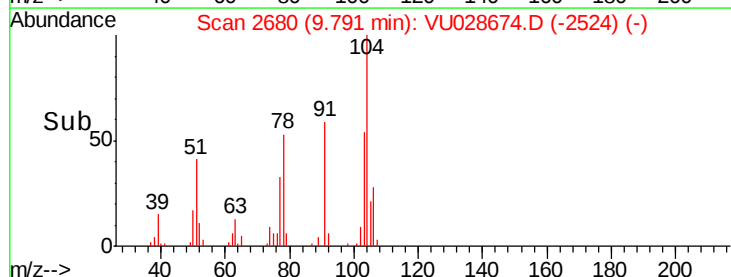
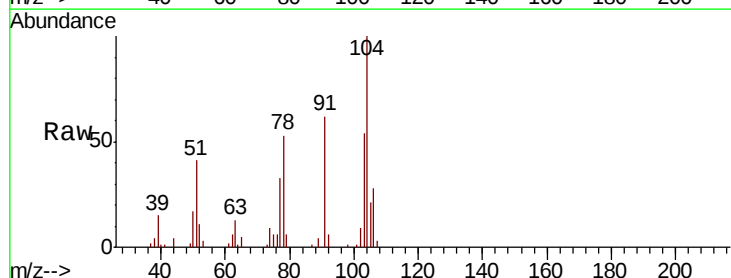
Tgt Ion:104 Resp: 20543

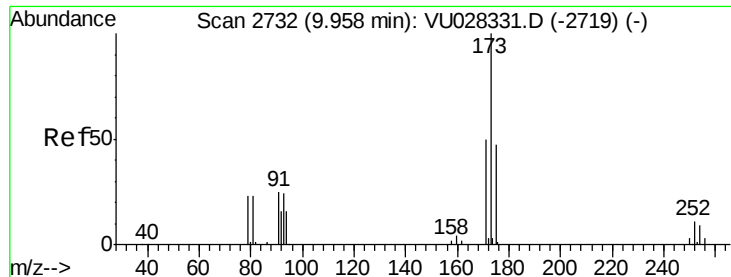
Ion Ratio Lower Upper

104 100

78 54.3 44.0 66.0

103 56.1 45.2 67.8

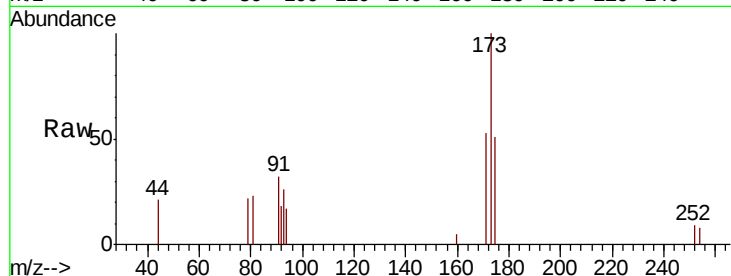




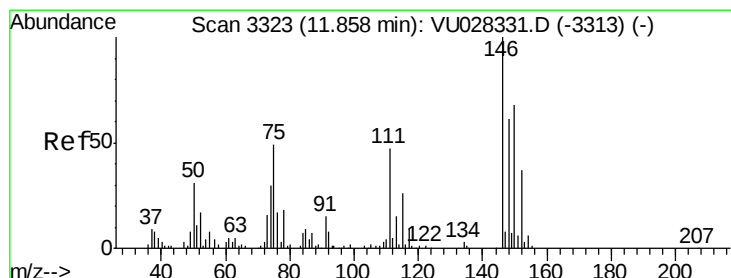
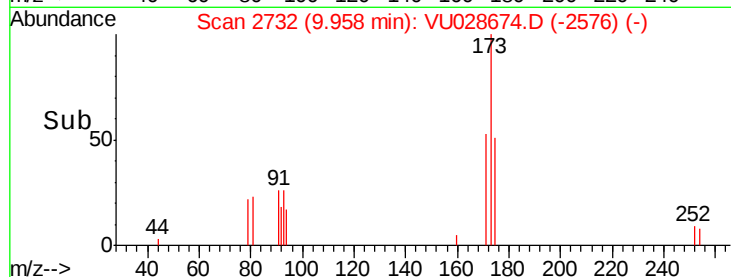
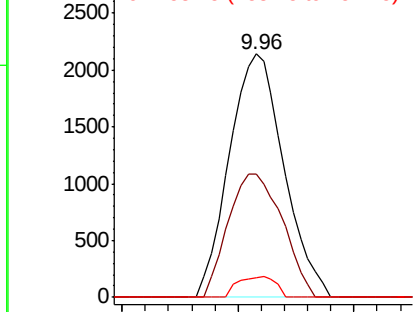
#67
Bromoform
Concen: 1.909 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion:173 Resp: 3493
Ion Ratio Lower Upper
173 100
175 50.5 39.0 58.6
254 5.9 6.8 10.2#

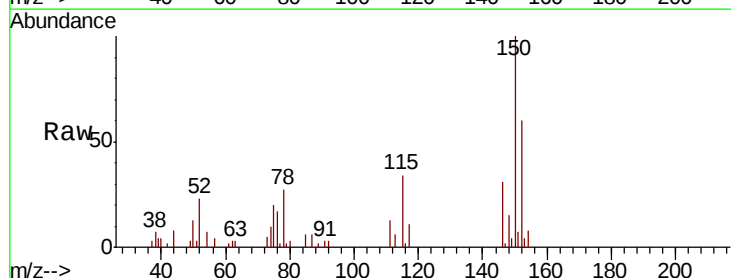


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

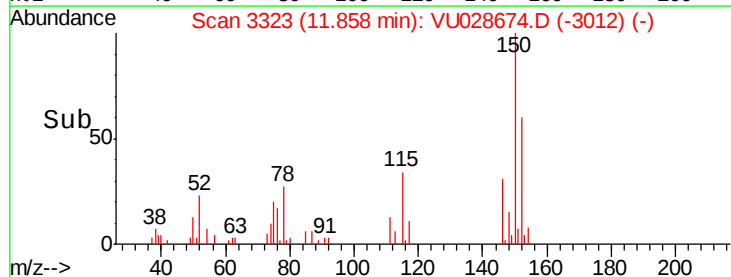
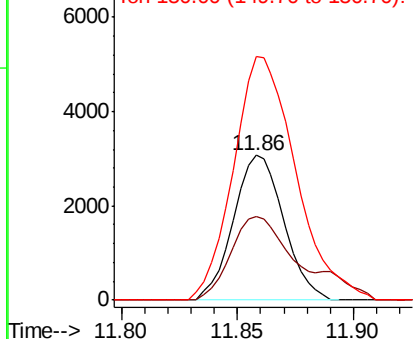


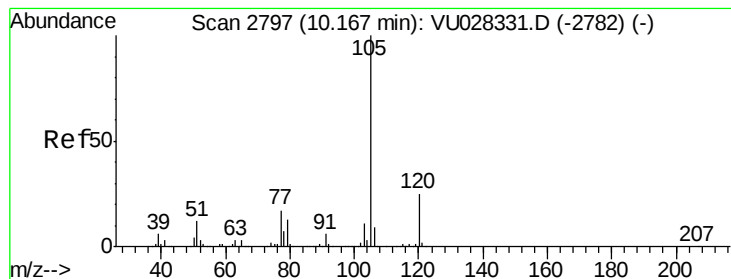
#68
1,2-Dichlorobenzene-d4
Concen: 1.909 ug/l
RT: 11.86 min Scan# 3323
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion:152 Resp: 4607
Ion Ratio Lower Upper
152 100
115 79.0 0.0 146.8
150 209.5 0.0 653.2



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





#69

Isopropylbenzene

Concen: 1.750 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

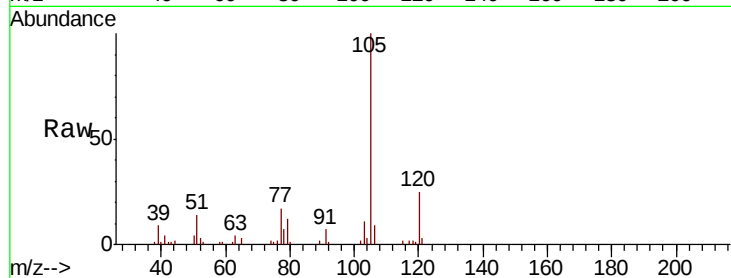
VU1214WBSD01

Tot Ion:105 Resp: 31426

Ion Ratio Lower Upper

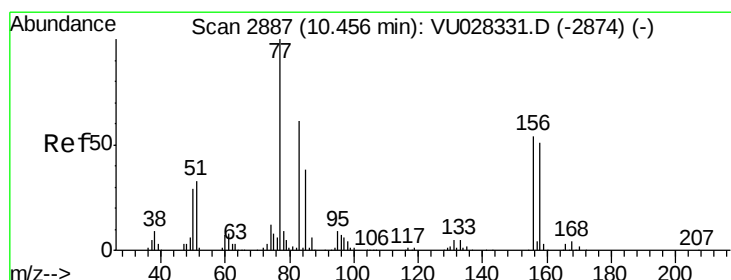
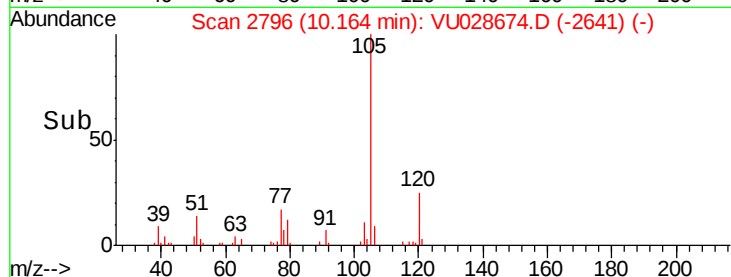
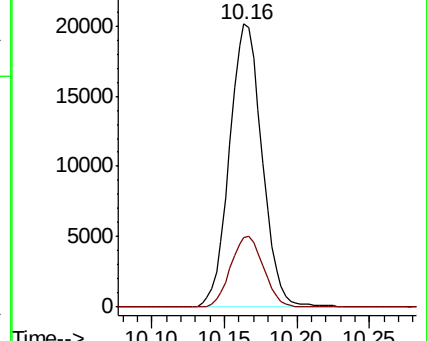
105 100

120 25.0 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 2.003 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

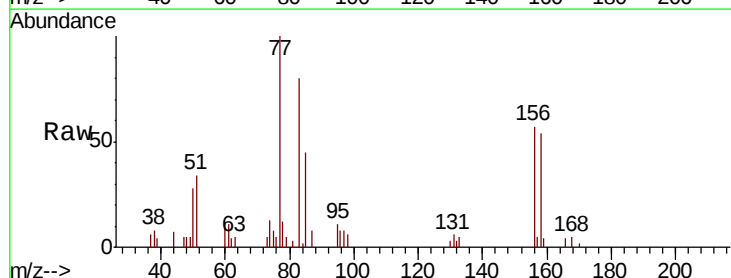
Tgt Ion: 83 Resp: 8245

Ion Ratio Lower Upper

83 100

131 8.9 6.6 9.8

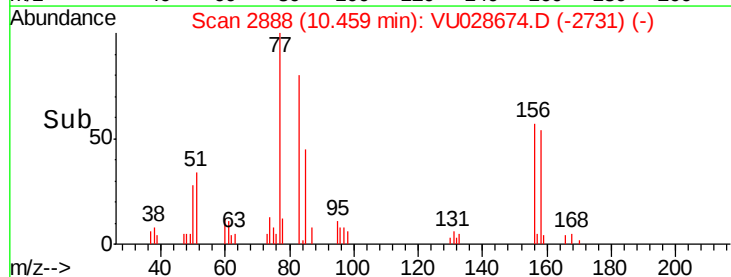
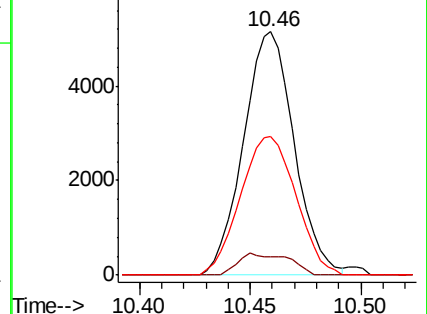
85 62.1 50.5 75.7

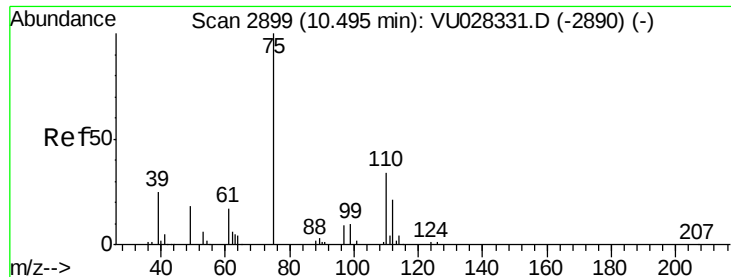


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 3.694 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

Tot Ion: 75 Resp: 10601

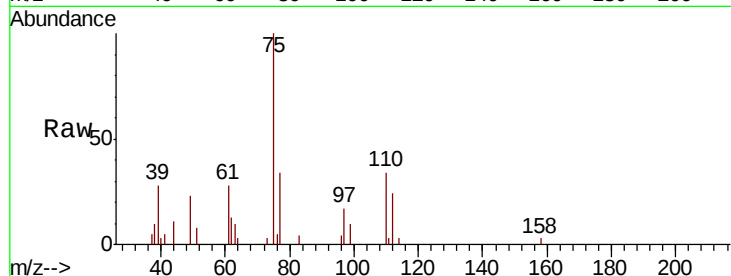
Ion Ratio Lower Upper

75 100

77 7.9 0.0 0.0#

110 18.8 0.0 67.6

97 10.5 0.0 35.8

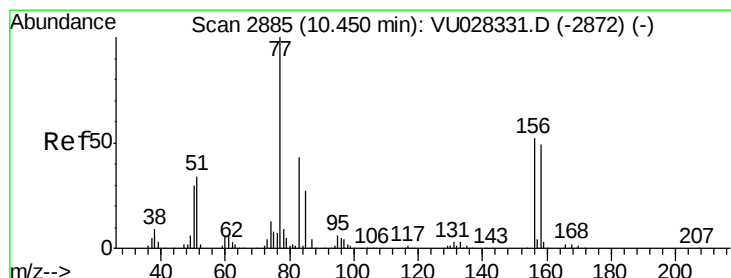
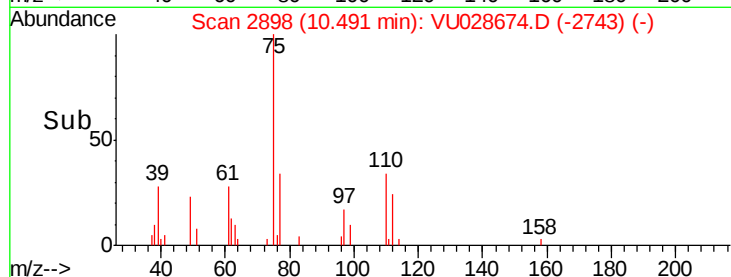
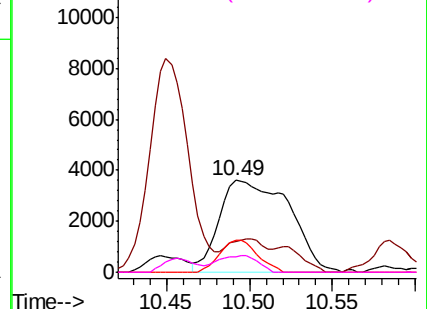


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 1.966 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

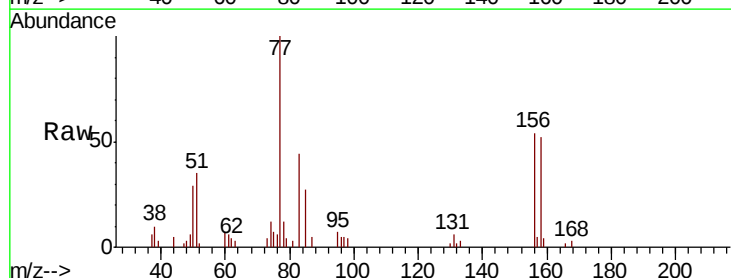
Tgt Ion: 156 Resp: 7834

Ion Ratio Lower Upper

156 100

77 176.4 0.0 380.4

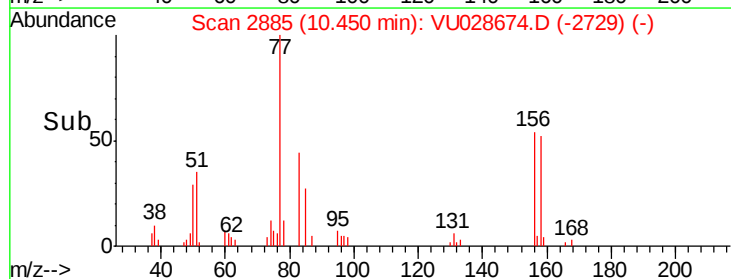
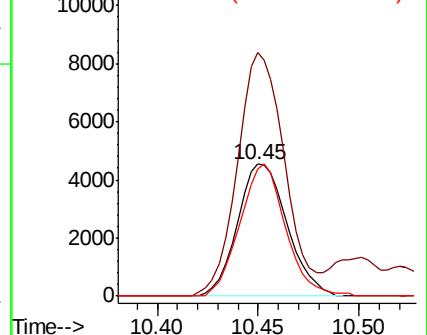
158 92.2 0.0 191.2

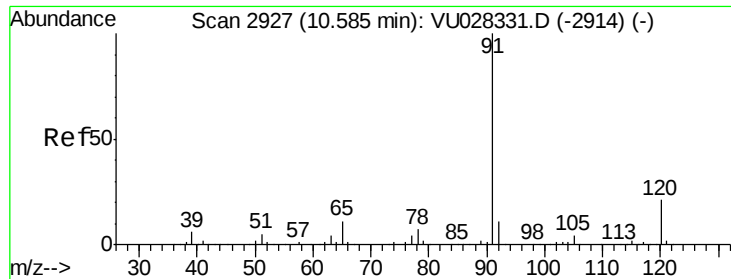


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.801 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

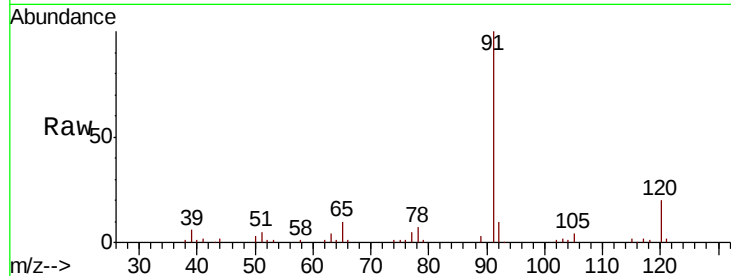
VU1214WBSD01

Tot Ion:120 Resp: 8384

Ion Ratio Lower Upper

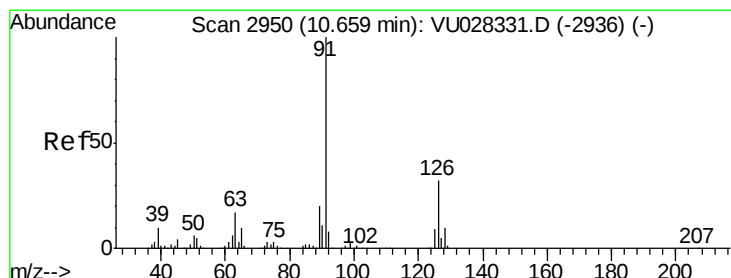
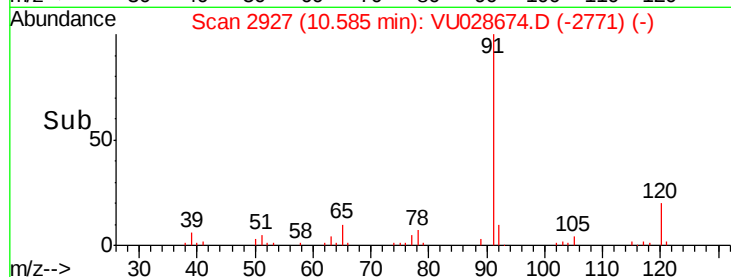
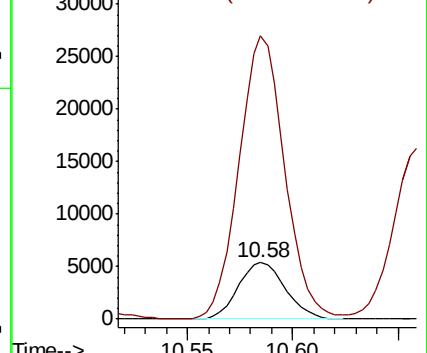
120 100

91 483.9 388.1 582.1



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.041 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028674.D

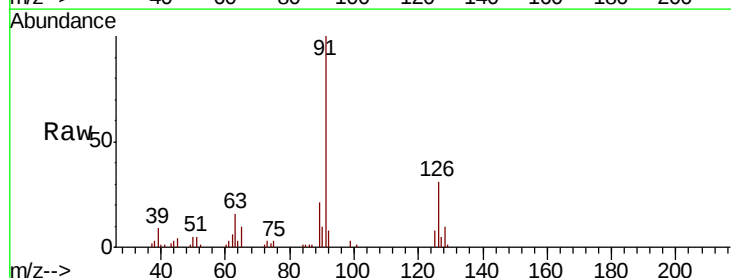
Acq: 13 Dec 2018 13:12

Tgt Ion:126 Resp: 8325

Ion Ratio Lower Upper

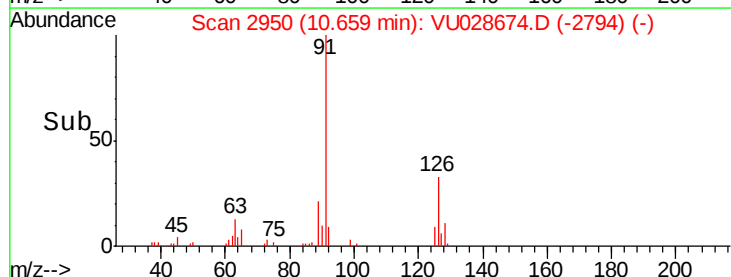
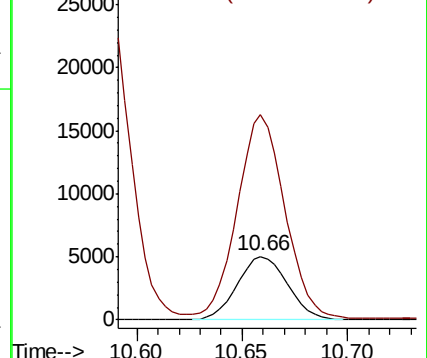
126 100

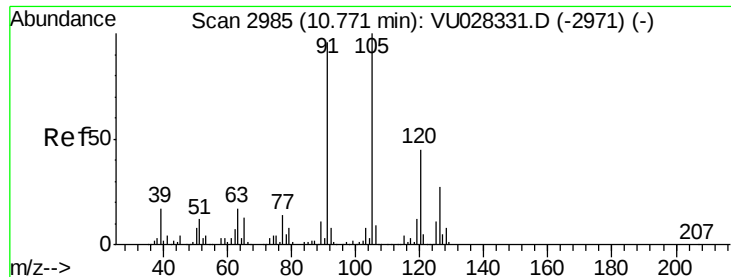
91 305.8 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.814 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

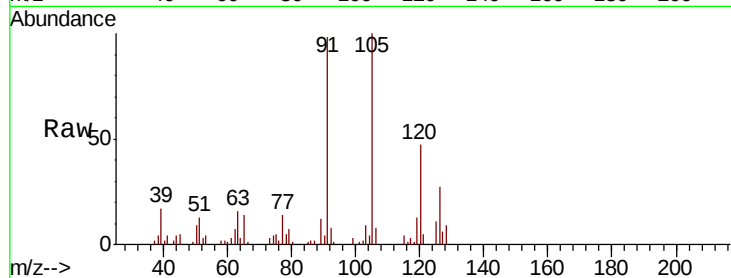
VU1214WBSD01

Tot Ion:105 Resp: 27411

Ion Ratio Lower Upper

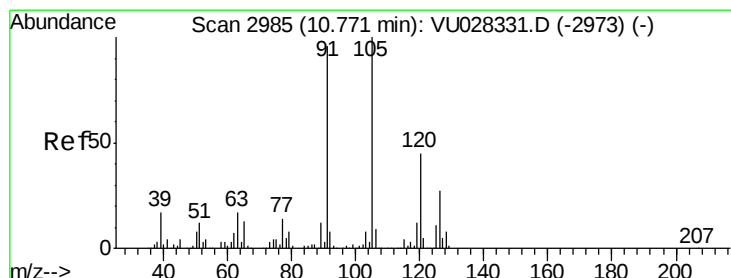
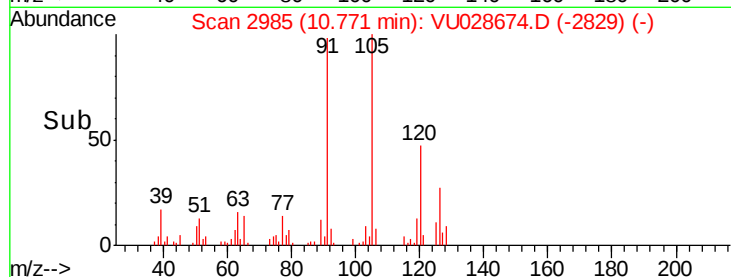
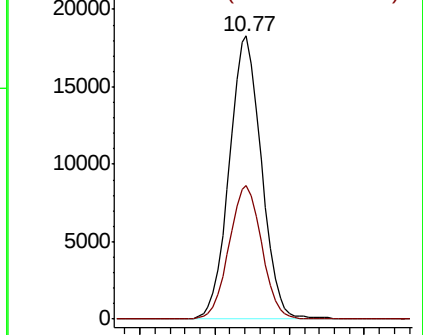
105 100

120 47.7 36.3 54.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.945 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028674.D

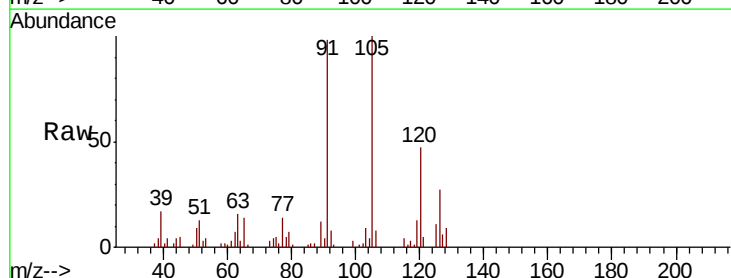
Acq: 13 Dec 2018 13:12

Tgt Ion:126 Resp: 8046

Ion Ratio Lower Upper

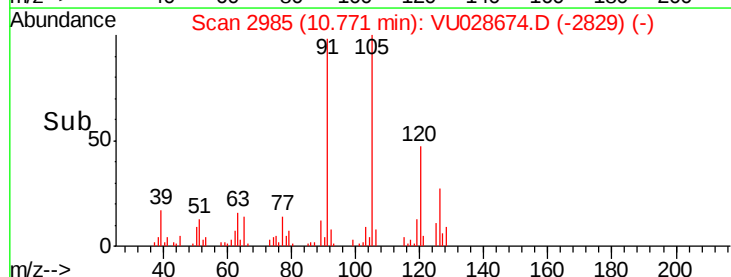
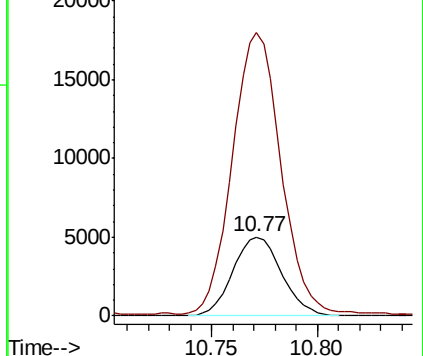
126 100

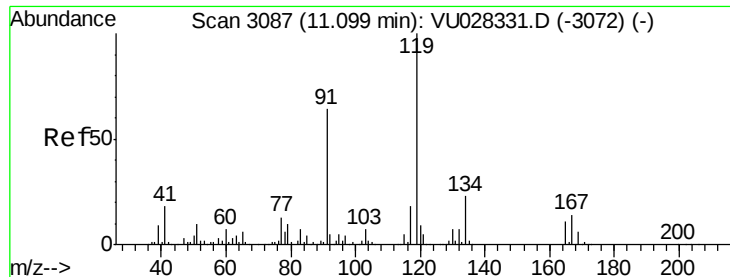
91 351.8 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.834 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

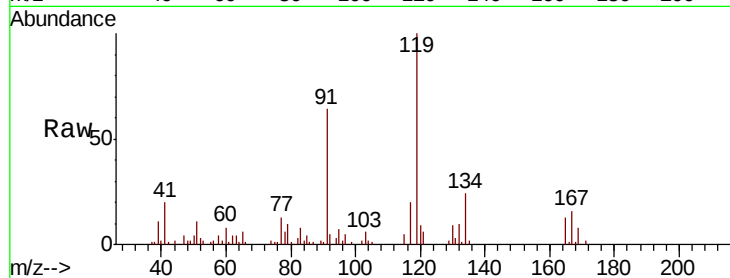
Tot Ion:119 Resp: 26089

Ion Ratio Lower Upper

119 100

91 64.9 32.0 96.0

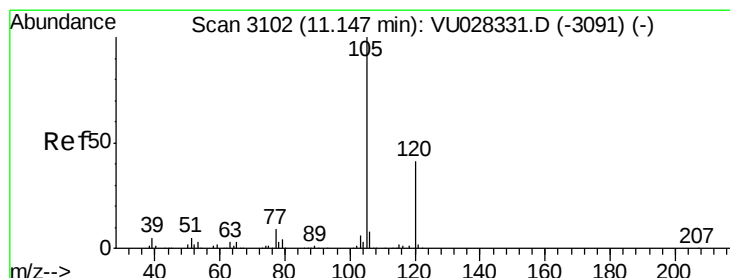
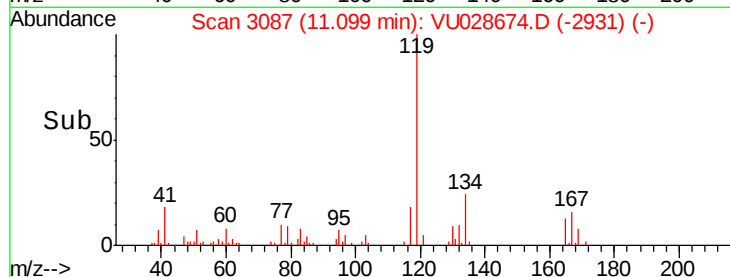
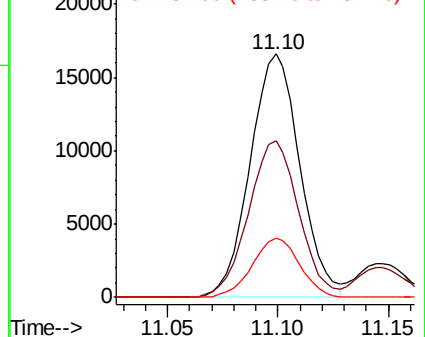
134 23.0 17.9 26.9



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: 1.847 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU028674.D

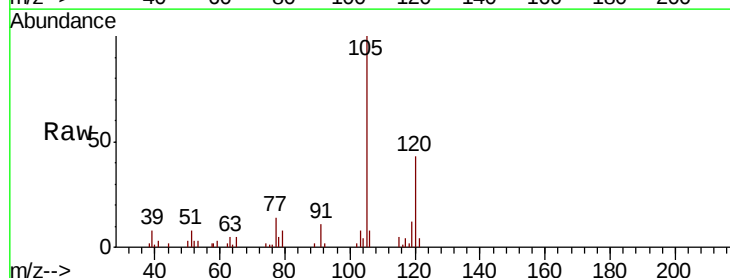
Acq: 13 Dec 2018 13:12

Tgt Ion:105 Resp: 28596

Ion Ratio Lower Upper

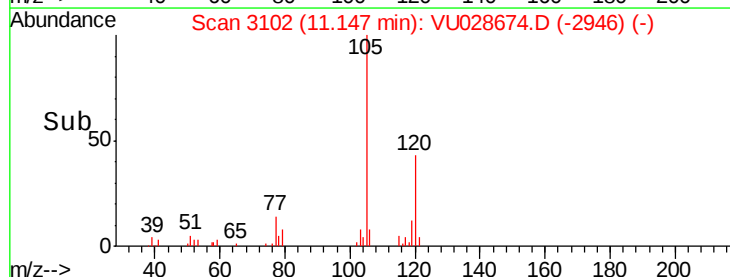
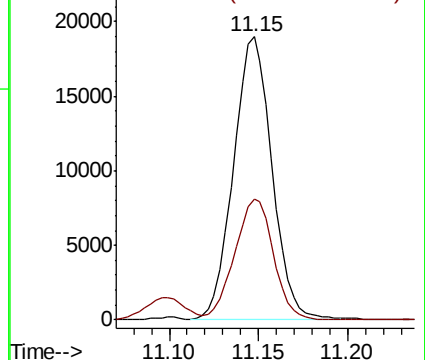
105 100

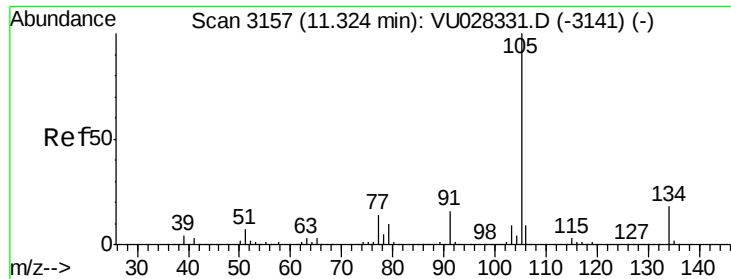
120 42.9 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

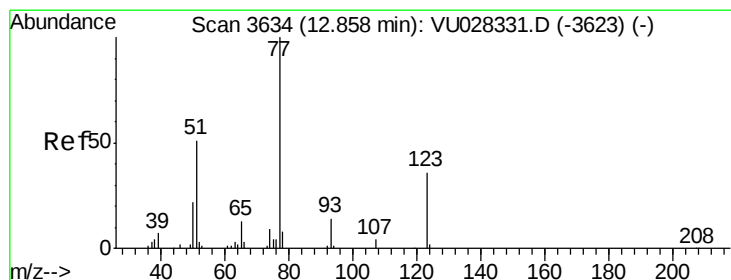
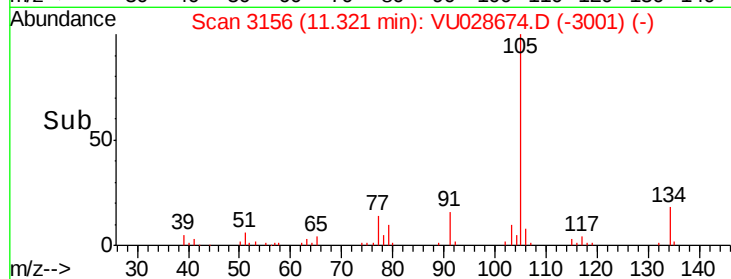
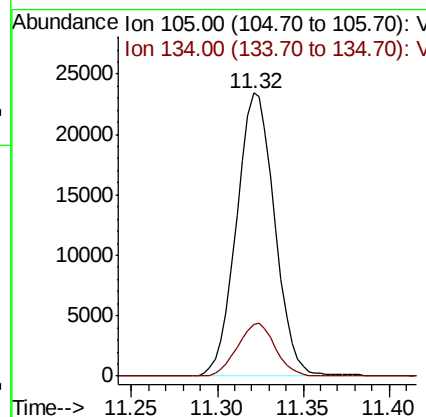
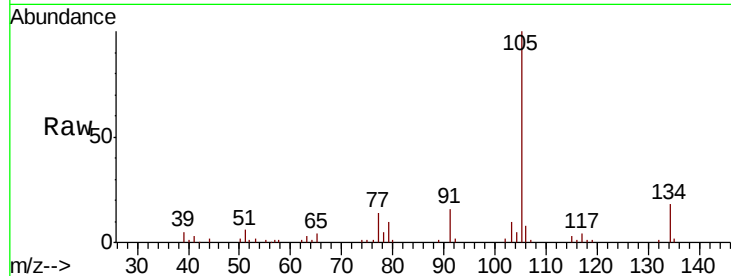




#79
 sec-Butylbenzene
 Concen: 1.817 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

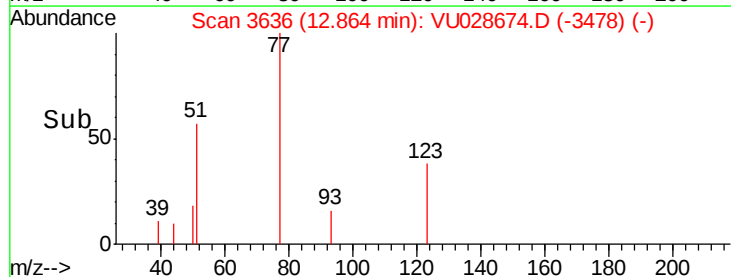
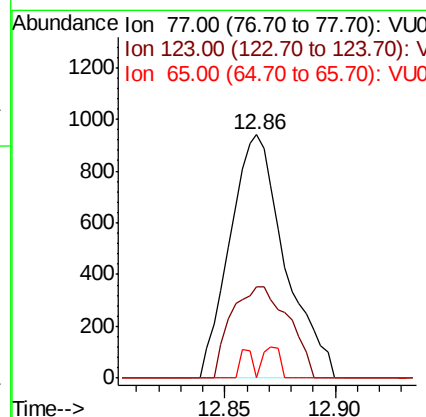
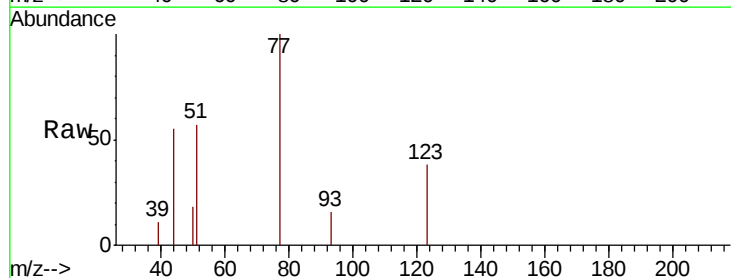
Instrument :
 MSVOA_U
 ClientSampleID :
 VU1214WBSD01

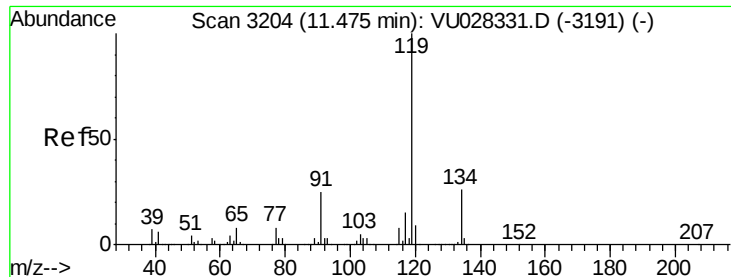
Tot Ion: 105 Resp: 36023
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.6 22.0



#80
 Nitrobenzene
 Concen: 8.742 ug/l
 RT: 12.86 min Scan# 3636
 Delta R.T. 0.01 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion: 77 Resp: 1621
 Ion Ratio Lower Upper
 77 100
 123 39.1 16.5 58.3
 65 4.0 12.1 15.3#

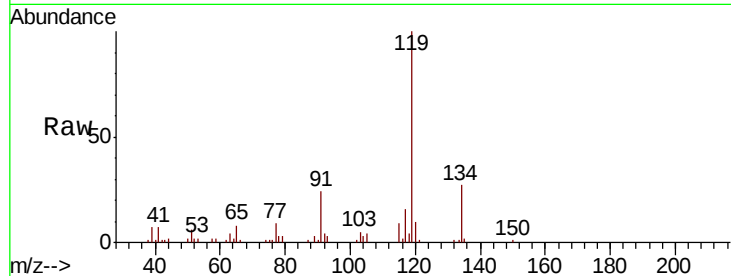




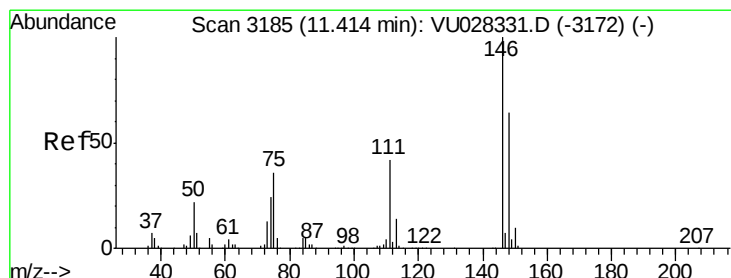
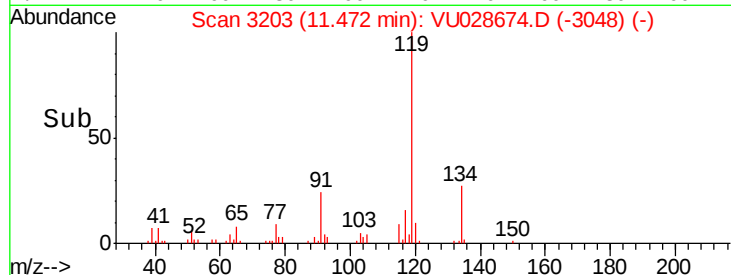
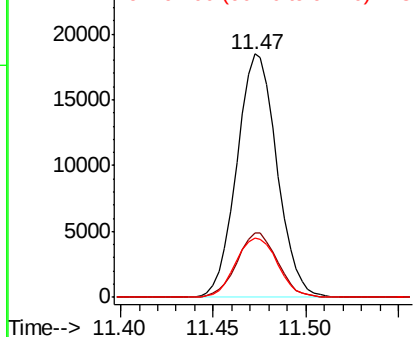
#81
p-Isopropyltoluene
Concen: 1.761 ug/l
RT: 11.47 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion:119 Resp: 27751
Ion Ratio Lower Upper
119 100
134 26.8 20.3 30.5
91 25.6 20.0 30.0

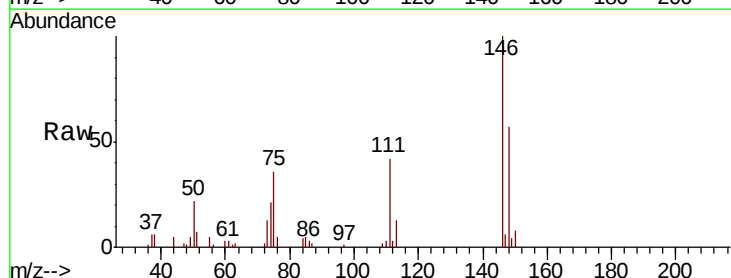


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

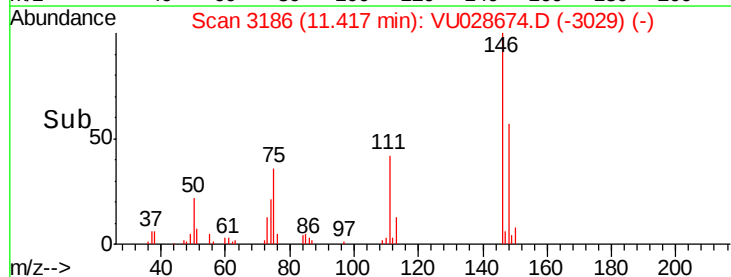
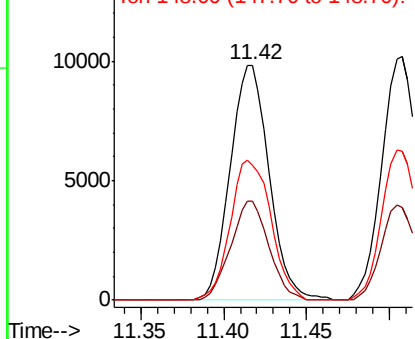


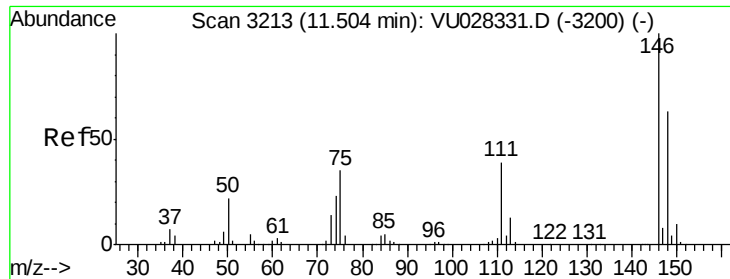
#82
1,3-Dichlorobenzene
Concen: 2.009 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion:146 Resp: 16034
Ion Ratio Lower Upper
146 100
111 41.3 33.4 50.2
148 62.1 51.2 76.8



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

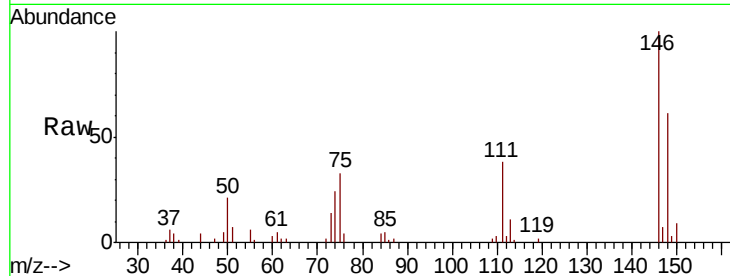




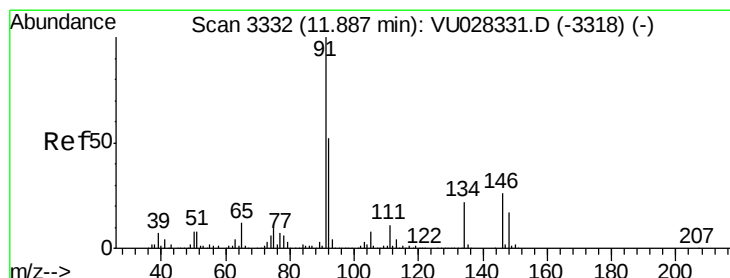
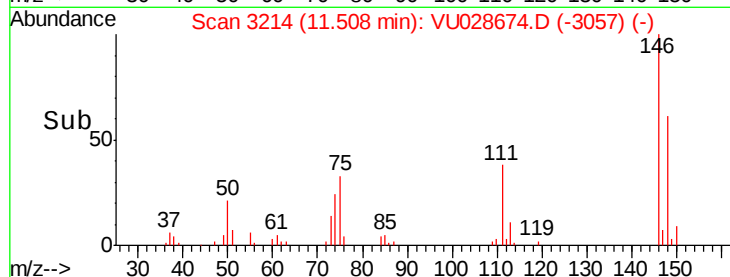
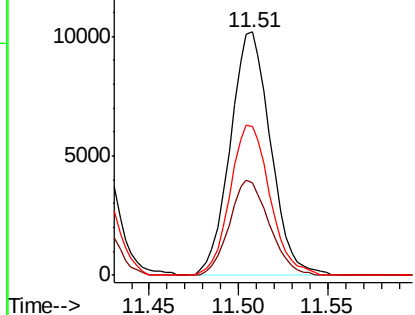
#83
1,4-Dichlorobenzene
Concen: 2.011 ug/l
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBSD01

Tot Ion:146 Resp: 15976
Ion Ratio Lower Upper
146 100
111 38.6 31.4 47.2
148 61.0 50.7 76.1

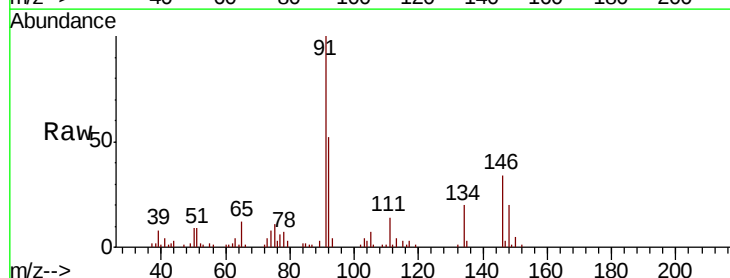


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

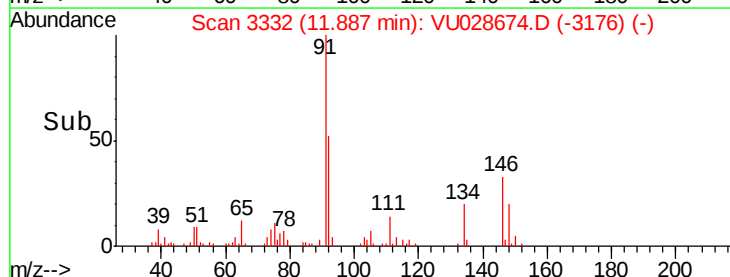
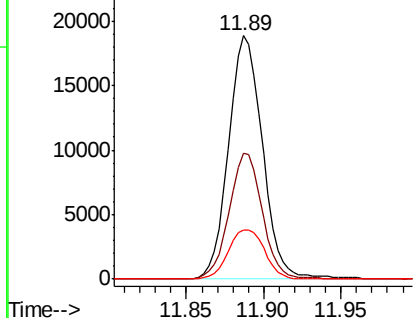


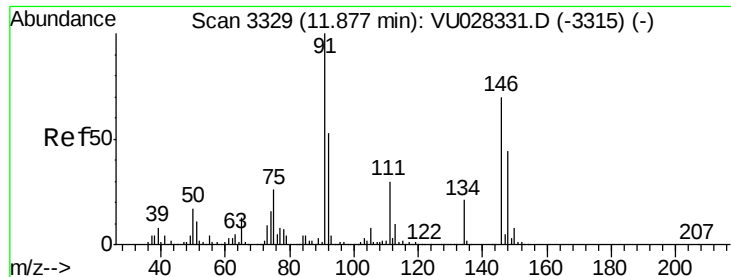
#84
n-Butylbenzene
Concen: 1.728 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028674.D
Acq: 13 Dec 2018 13:12

Tgt Ion: 91 Resp: 28593
Ion Ratio Lower Upper
91 100
92 50.6 41.6 62.4
134 21.7 17.8 26.6



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





#85

1,2-Dichlorobenzene

Concen: 1.991 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

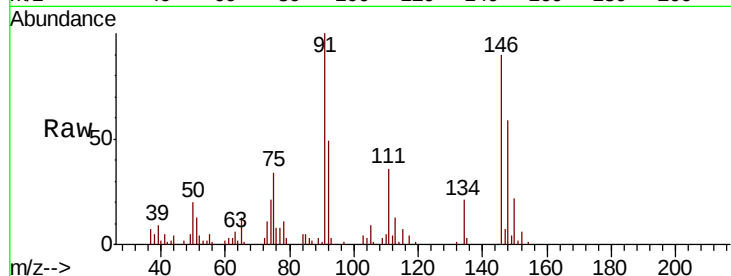
Tot Ion:146 Resp: 15127

Ion Ratio Lower Upper

146 100

111 40.9 21.4 64.3

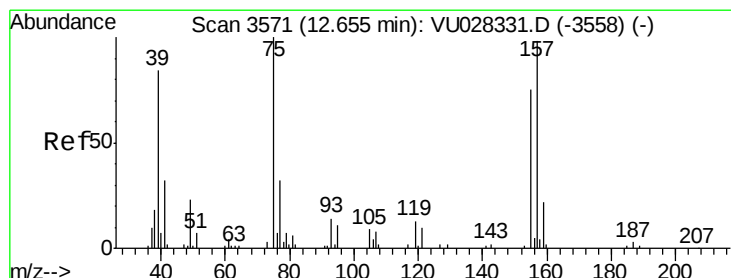
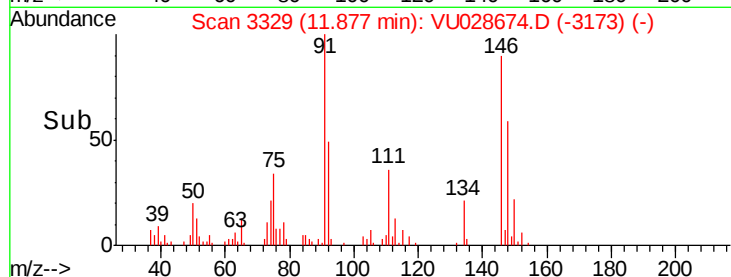
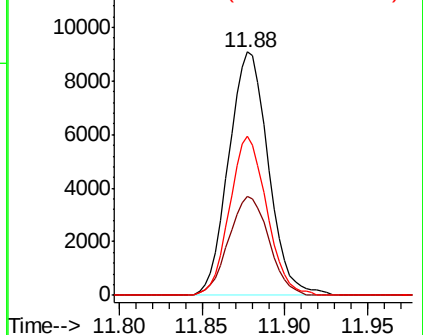
148 61.0 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 2.024 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

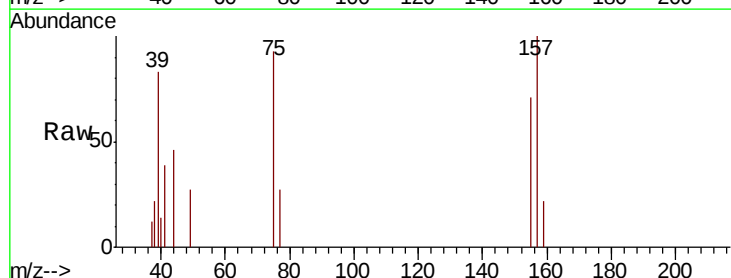
Tgt Ion: 75 Resp: 1340

Ion Ratio Lower Upper

75 100

155 65.1 57.0 85.4

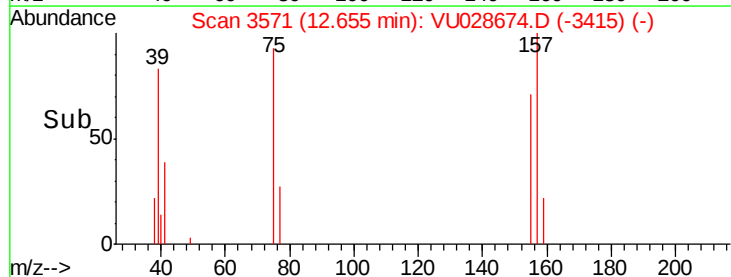
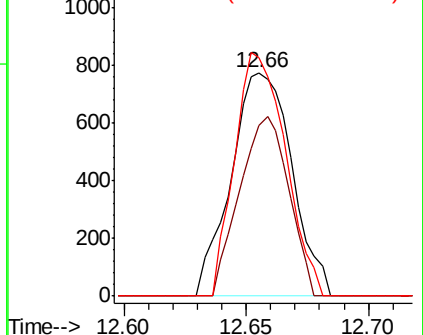
157 90.7 75.4 113.2

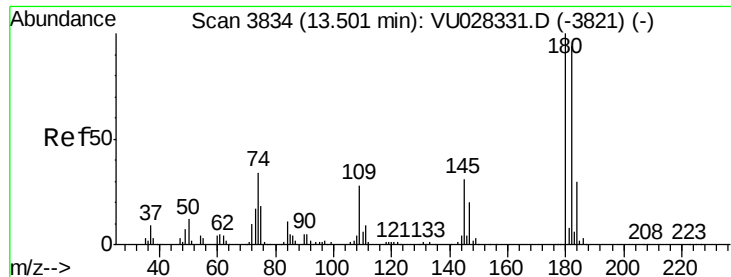


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

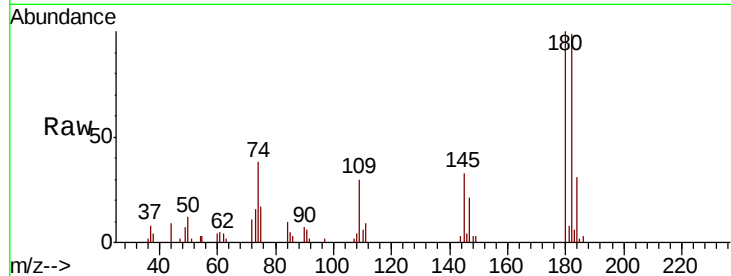




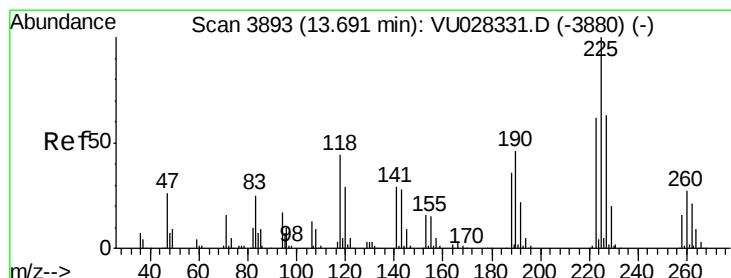
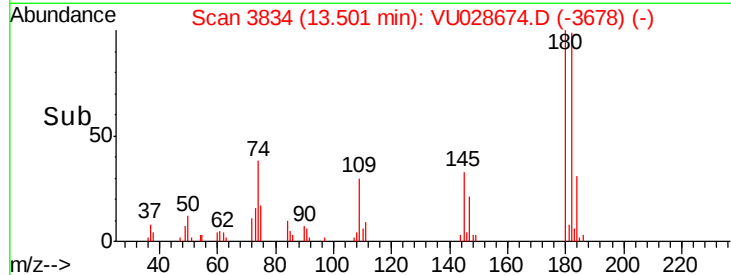
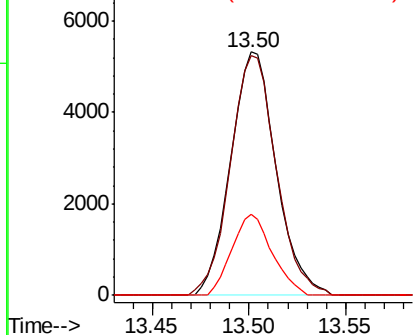
#87
 1,2,4-Trichlorobenzene
 Concen: 1.628 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBSD01

Tot Ion:180 Resp: 8696
 Ion Ratio Lower Upper
 180 100
 182 99.1 75.6 113.4
 145 29.2 24.4 36.6

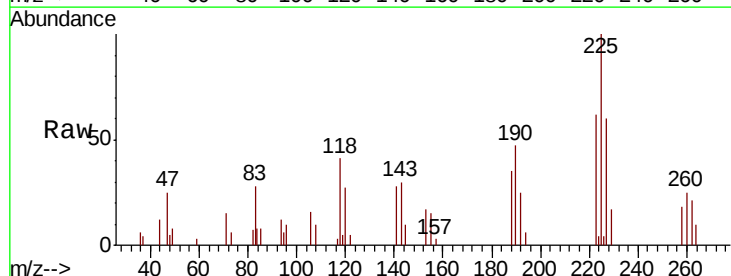


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

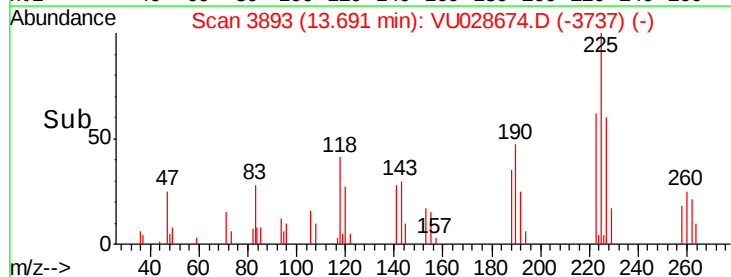
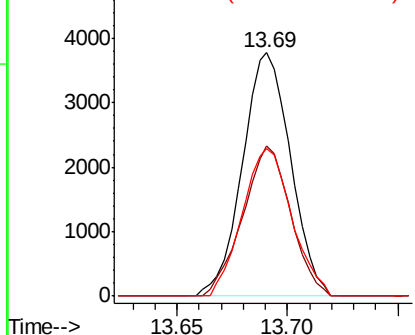


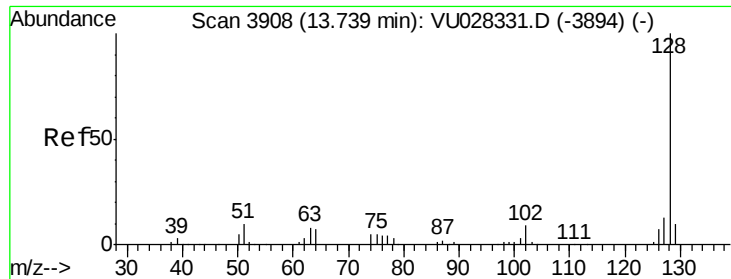
#88
 Hexachlorobutadiene
 Concen: 1.982 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028674.D
 Acq: 13 Dec 2018 13:12

Tgt Ion:225 Resp: 5727
 Ion Ratio Lower Upper
 225 100
 223 61.2 50.6 76.0
 227 62.1 50.8 76.2



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: 1.527 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBSD01

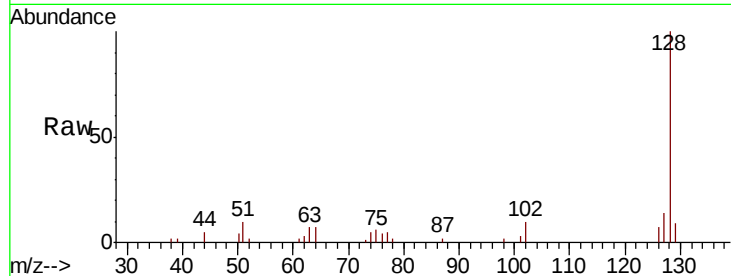
Tot Ion:128 Resp: 16120

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

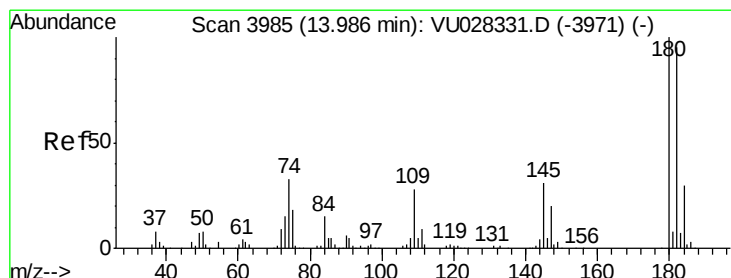
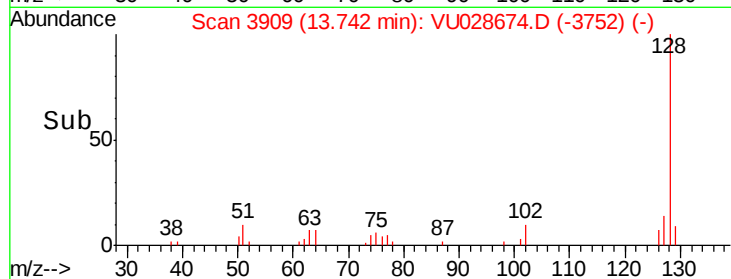
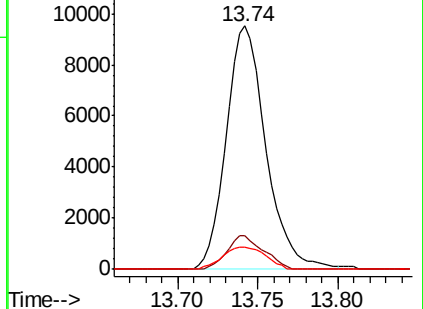
129 10.0 8.2 12.4



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: 1.745 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028674.D

Acq: 13 Dec 2018 13:12

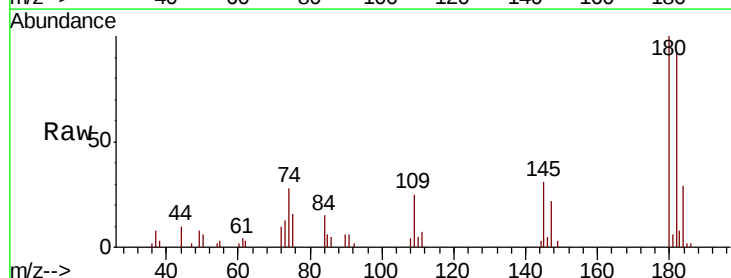
Tgt Ion:180 Resp: 8788

Ion Ratio Lower Upper

180 100

182 92.5 76.1 114.1

145 31.0 26.0 39.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

