

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121418\
 Data File : VU028668.D
 Acq On : 13 Dec 2018 10:19
 Operator : MD/SY
 Sample : VU1214WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Quant Time: Dec 14 05:33:40 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	14909	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5231	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4999	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	11163	2.081	ug/l	99
3) Chloromethane	1.33	50	18025	1.975	ug/l	99
4) Vinyl Chloride	1.40	62	13050	2.089	ug/l	97
5) Bromomethane	1.61	94	5283	2.146	ug/l	97
6) Chloroethane	1.68	64	7281	1.996	ug/l	99
7) Trichlorofluoromethane	1.88	101	14038	2.057	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	8473	2.159	ug/l	97
9) 1,1-Dichloroethene	2.28	96	7641	2.105	ug/l	93
10) Iodomethane	2.40	142	7745	3.155	ug/l	97
11) Allyl Chloride	2.59	41	19076	2.082	ug/l	99
12) Acrylonitrile	2.94	53	5000	4.324	ug/l	93
13) Acetone	2.32	43	10664	9.953	ug/l	97
14) Carbon Disulfide	2.47	76	28065	2.035	ug/l	99
15) Methylene Chloride	2.69	84	9709	2.194	ug/l	90
16) trans-1,2-Dichloroethene	2.98	96	8717	2.146	ug/l	94
17) 1,1-Dichloroethane	3.44	63	19399	2.142	ug/l	98
18) 2-Butanone	4.28	43	17980	11.230	ug/l	99
19) Cyclohexane	4.98	56	16309	2.074	ug/l	96
20) Methylcyclohexane	6.40	83	14471	1.880	ug/l	97
21) 2,2-Dichloropropane	4.22	77	15348	2.112	ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	9631	2.026	ug/l	97
23) Diethyl Ether	2.10	59	7418	2.039	ug/l	93
24) tert-Butyl Alcohol	2.84	59	7627	20.882	ug/l #	88
25) Methyl tert-Butyl Ether	3.00	73	22328	2.071	ug/l	100
26) Bromochloromethane	4.54	128	3644	2.011	ug/l	95
27) Chloroform	4.67	83	16822	1.926	ug/l	94
28) 1,1,1-Trichloroethane	4.91	97	13565	1.989	ug/l	98
29) 1,1-Dichloropropene	5.13	75	13008	1.988	ug/l	95
30) Carbon Tetrachloride	5.13	117	11102	2.016	ug/l	96
31) Isopropyl Ether	3.58	45	34694	2.139	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	27706	2.074	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	22001	1.986	ug/l	99
34) Propionitrile	4.34	54	4521	11.240	ug/l	96
35) Benzene	5.38	78	38241	1.985	ug/l	98
36) 1,2-Dichloroethane	5.40	62	11560	2.007	ug/l	98
37) Trichloroethene	6.18	130	8407	2.004	ug/l	94
38) 1,2-Dichloropropane	6.43	63	10874	1.980	ug/l	98
39) Methacrylonitrile	4.55	41	4558	2.116	ug/l	93
40) Methyl acrylate	4.42	55	6254	2.110	ug/l #	95
41) Tetrahydrofuran	4.66	42	4970	4.589	ug/l	89
42) 1-Chlorobutane	5.06	56	20254	1.947	ug/l	95

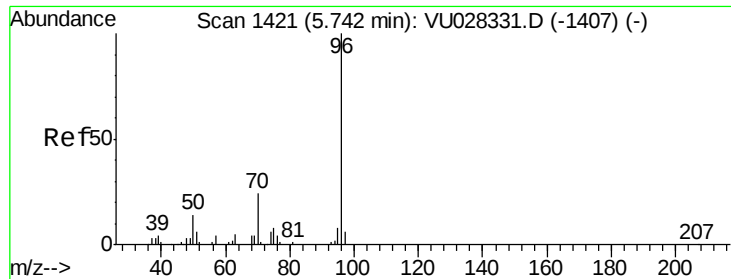
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	4605	1.969	ug/l	96
44) Bromodichloromethane	6.76	83	11738	1.901	ug/l	90
45) 4-Methyl-2-Pentanone	7.47	43	37314	9.935	ug/l	98
46) t-1,4-Dichloro-2-butene	10.49	75	6013	4.377	ug/l	93
47) Methyl methacrylate	6.63	69	9516	3.987	ug/l	97
48) Ethyl methacrylate	8.03	69	9051	1.896	ug/l	99
49) Toluene	7.63	92	21237	1.985	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	11416	1.925	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	14425	1.970	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	6524	1.987	ug/l	97
53) 1,3-Dichloropropane	8.24	76	11607	1.893	ug/l	99
54) 2-Hexanone	8.37	43	25756	9.533	ug/l	99
55) Dibromochloromethane	8.48	129	7146	2.046	ug/l	99
56) 1,2-Dibromoethane	8.59	107	6217	2.079	ug/l	96
58) Tetrachloroethene	8.22	164	7560	1.968	ug/l	97
59) Chlorobenzene	9.12	112	21228	1.907	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	7545	2.000	ug/l	98
61) Pentachloroethane	11.10	117	6187	2.108	ug/l	95
62) Hexachloroethane	12.14	117	6063	2.204	ug/l	99
63) Ethyl Benzene	9.25	91	37784	1.840	ug/l	98
64) m/p-Xylenes	9.37	106	28021	3.770	ug/l	99
65) o-Xylene	9.78	106	13356	1.862	ug/l	94
66) Styrene	9.79	104	23437	1.905	ug/l	99
67) Bromoform	9.96	173	3936	2.011	ug/l	99
69) Isopropylbenzene	10.16	105	36918	1.922	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	9285	2.109	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	6013	1.959	ug/l #	98
72) Bromobenzene	10.45	156	8360	1.961	ug/l	95
73) n-propylbenzene	10.58	120	9654	1.938	ug/l	99
74) 2-Chlorotoluene	10.66	126	8695	1.992	ug/l	94
75) 1,3,5-Trimethylbenzene	10.77	105	31562	1.953	ug/l	97
76) 4-Chlorotoluene	10.77	126	8737	1.974	ug/l	95
77) tert-Butylbenzene	11.10	119	29215	1.920	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	31362	1.893	ug/l	99
79) sec-Butylbenzene	11.32	105	40198	1.895	ug/l	100
80) Nitrobenzene	12.86	77	1930	9.729	ug/l #	87
81) p-Isopropyltoluene	11.48	119	32385	1.921	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	17135	2.007	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	16523	1.944	ug/l	97
84) n-Butylbenzene	11.89	91	32370	1.829	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	16632	2.046	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1380	1.948	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	10295	1.802	ug/l	98
88) Hexachlorobutadiene	13.69	225	6632	2.145	ug/l	98
89) Naphthalene	13.74	128	18779	1.663	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	9646	1.790	ug/l	98

(#) = 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: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 96 Resp: 14909

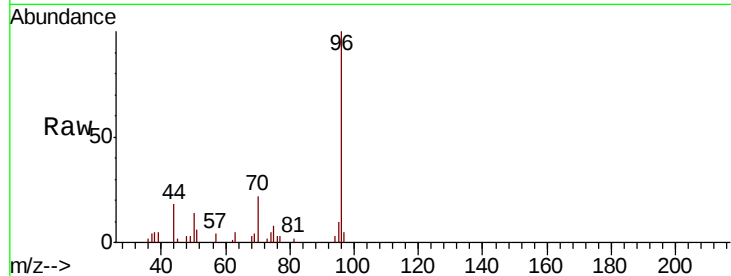
Ion Ratio Lower Upper

96 100

70 22.5 17.8 26.8

95 8.7 7.6 11.4

97 5.4 0.0 0.0#

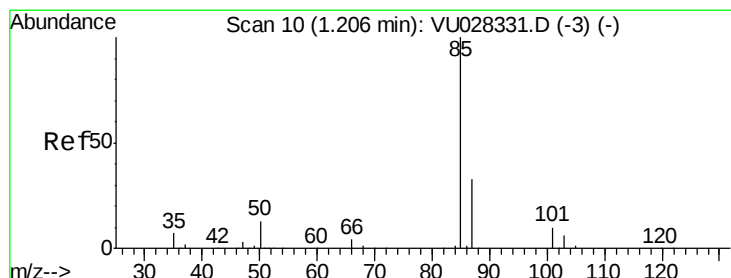
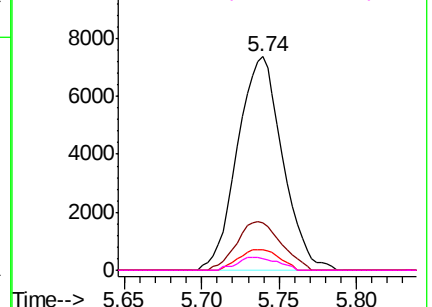
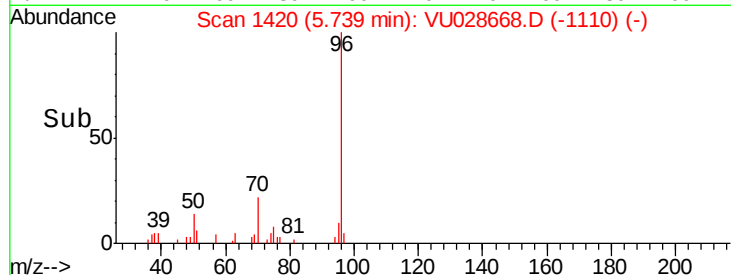


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 2.081 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028668.D

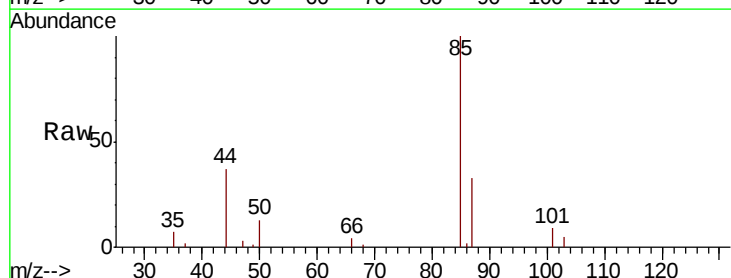
Acq: 13 Dec 2018 10:19

Tgt Ion: 85 Resp: 11163

Ion Ratio Lower Upper

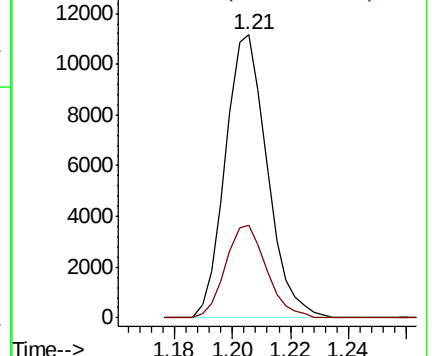
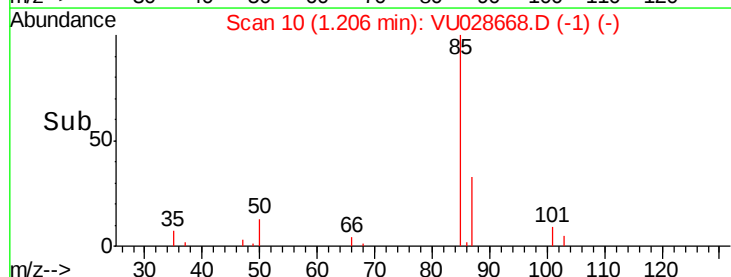
85 100

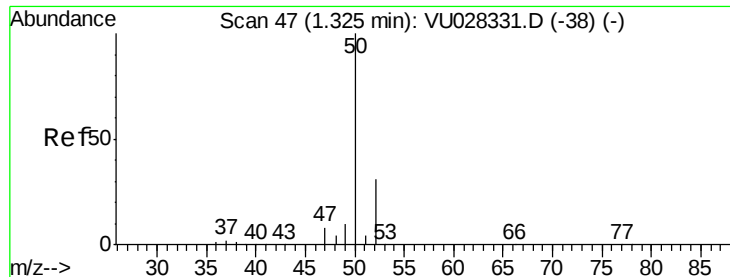
87 32.9 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 1.975 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

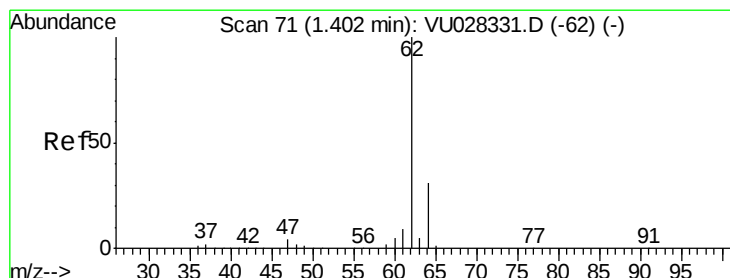
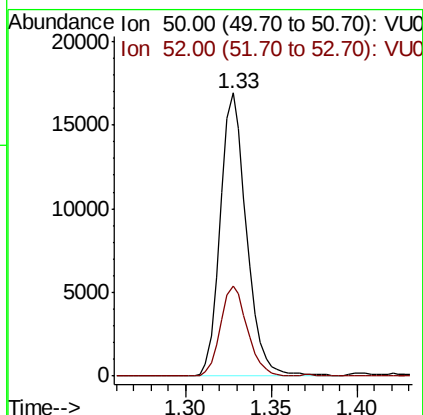
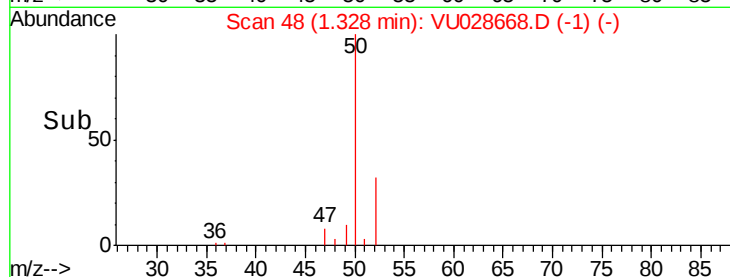
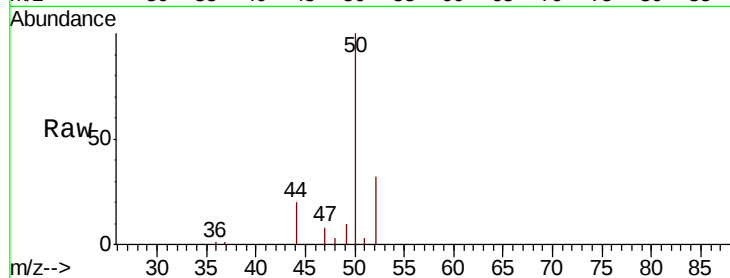
VU1214WBS01

Tot Ion: 50 Resp: 18025

Ion Ratio Lower Upper

50 100

52 31.9 25.1 37.7



#4

Vinyl Chloride

Concen: 2.089 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028668.D

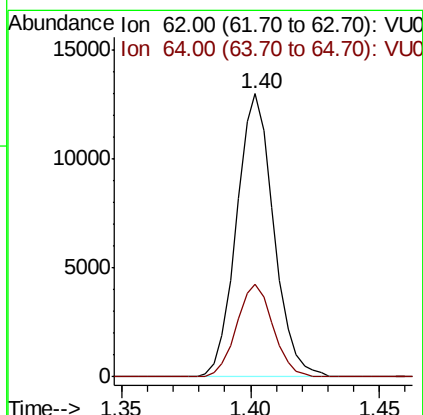
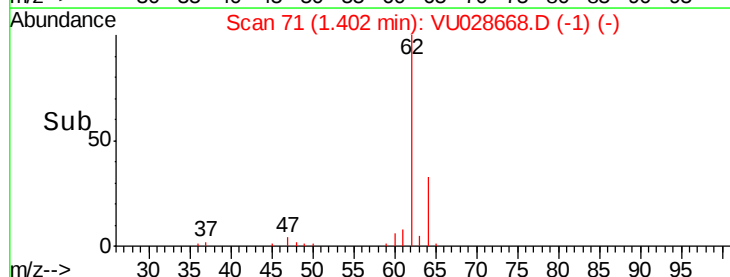
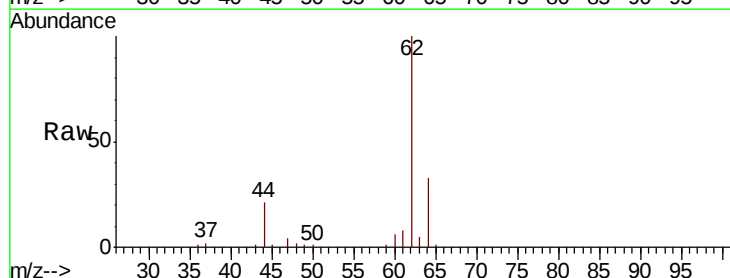
Acq: 13 Dec 2018 10:19

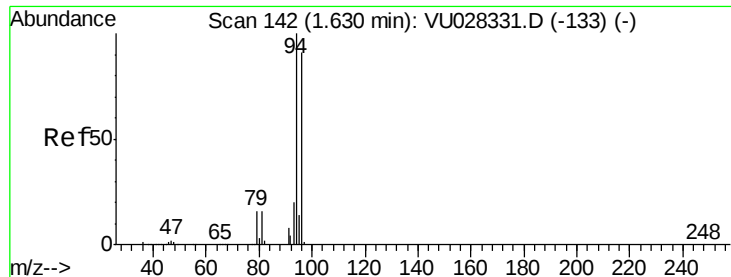
Tgt Ion: 62 Resp: 13050

Ion Ratio Lower Upper

62 100

64 32.6 24.7 37.1





#5

Bromomethane

Concen: 2.146 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.02 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

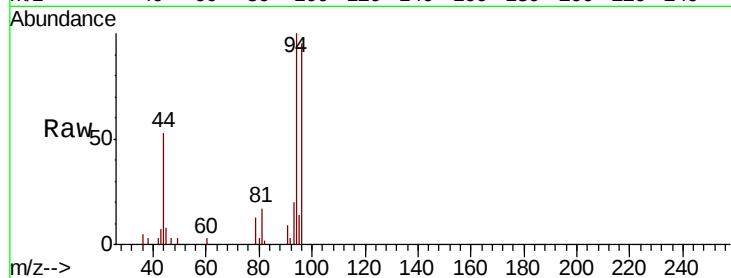
VU1214WBS01

Tot Ion: 94 Resp: 5283

Ion Ratio Lower Upper

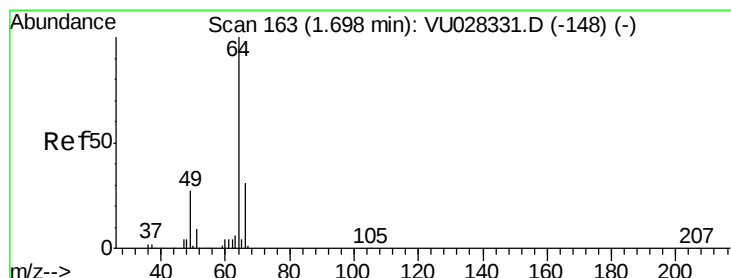
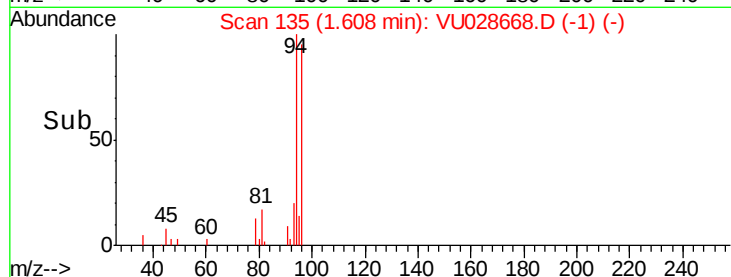
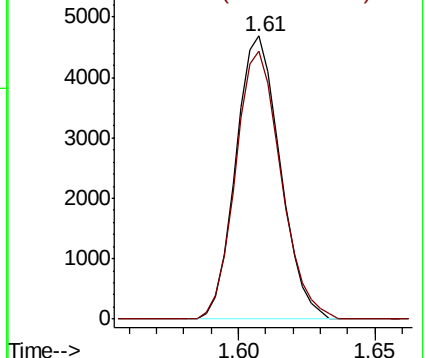
94 100

96 94.5 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: 1.996 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028668.D

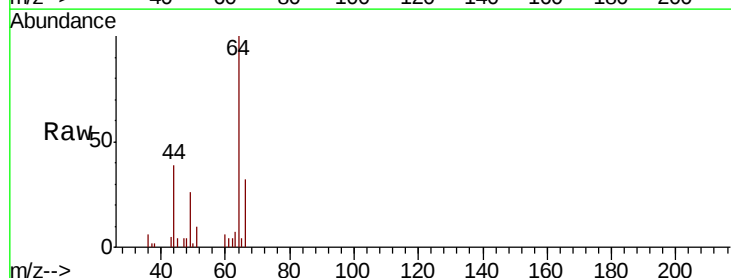
Acq: 13 Dec 2018 10:19

Tgt Ion: 64 Resp: 7281

Ion Ratio Lower Upper

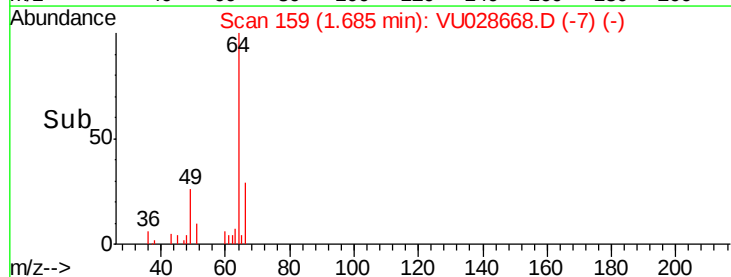
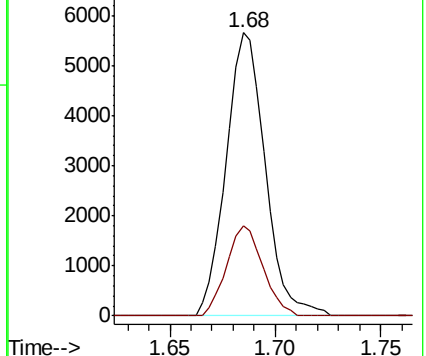
64 100

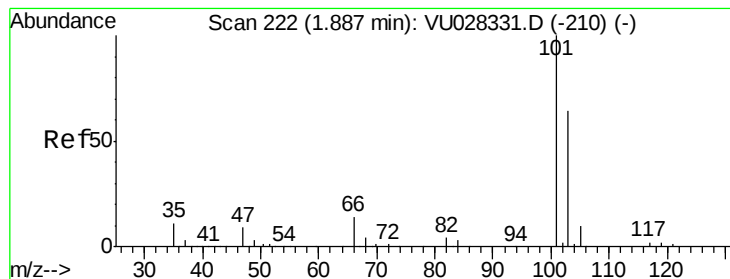
66 31.9 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 2.057 ug/l

RT: 1.88 min Scan# 219

Delta R.T. -0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

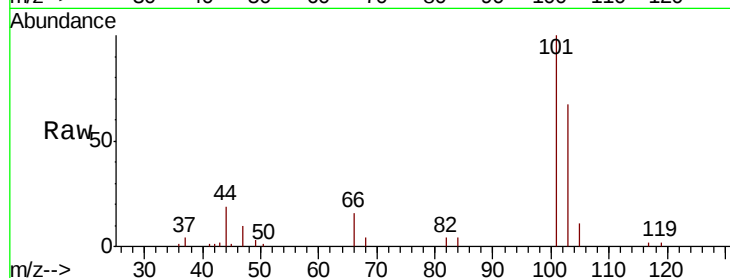
VU1214WBS01

Tot Ion:101 Resp: 14038

Ion Ratio Lower Upper

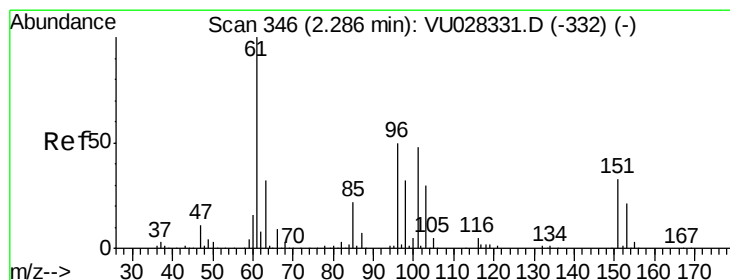
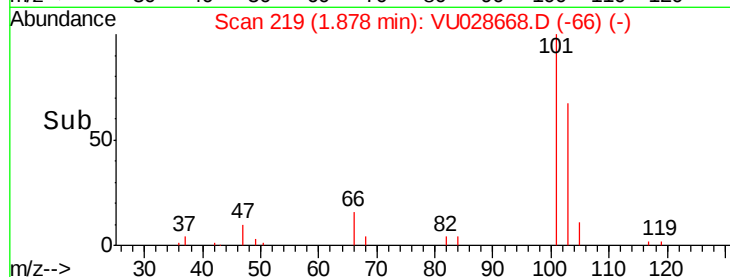
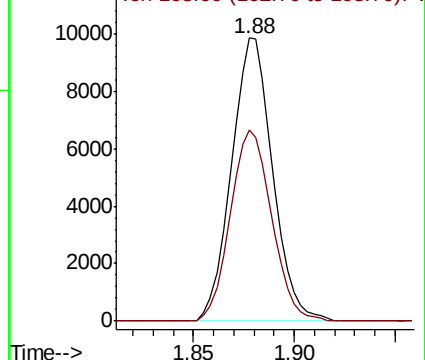
101 100

103 67.5 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: 2.159 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

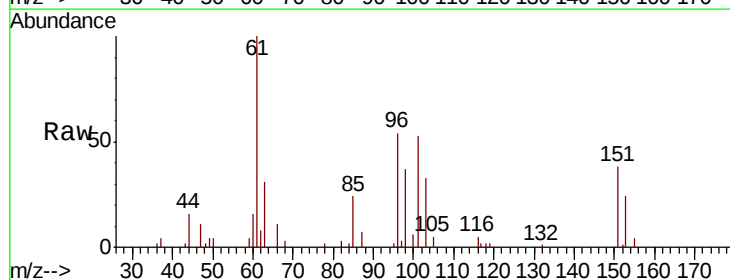
Tgt Ion:101 Resp: 8473

Ion Ratio Lower Upper

101 100

85 46.2 36.7 55.1

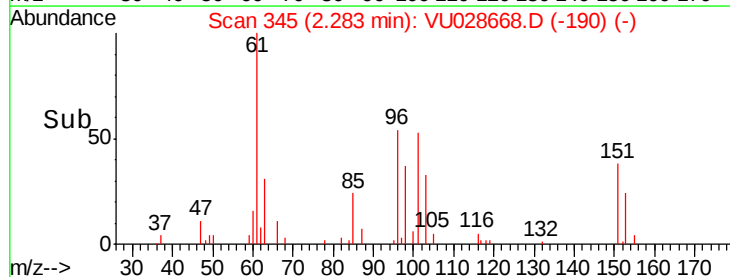
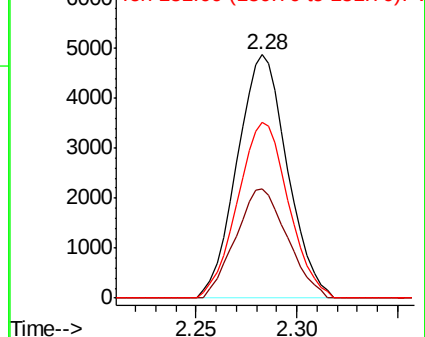
151 73.2 55.8 83.6

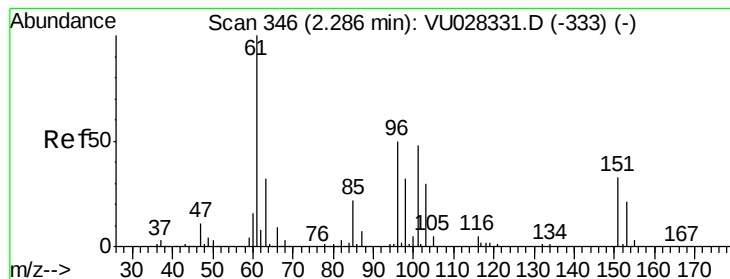


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.105 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

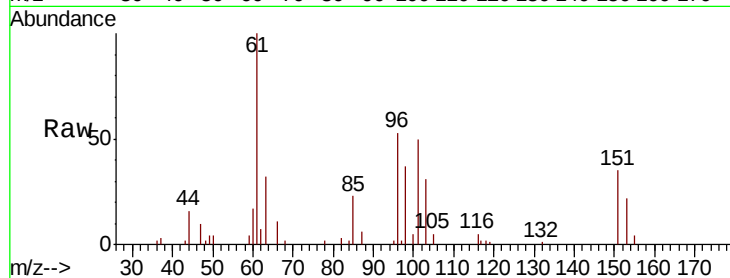
Tot Ion: 96 Resp: 7641

Ion Ratio Lower Upper

96 100

61 188.9 0.0 597.6

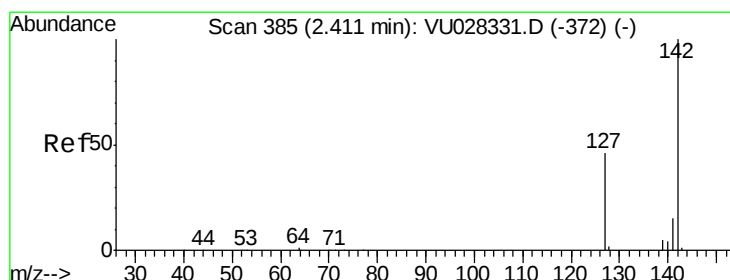
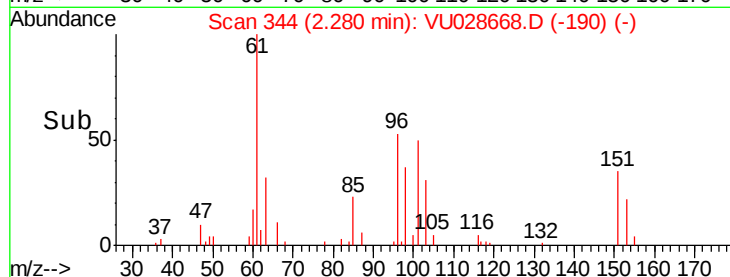
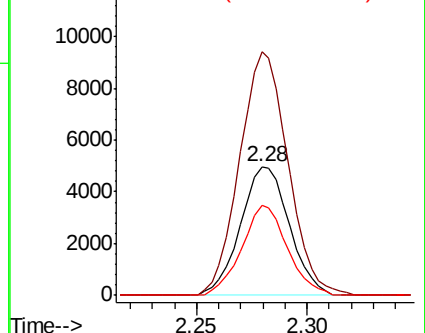
98 69.5 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 3.155 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU028668.D

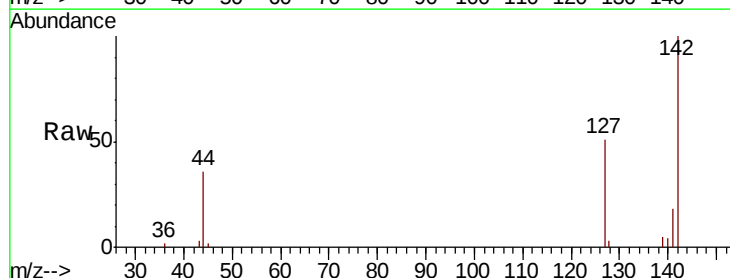
Acq: 13 Dec 2018 10:19

Tgt Ion: 142 Resp: 7745

Ion Ratio Lower Upper

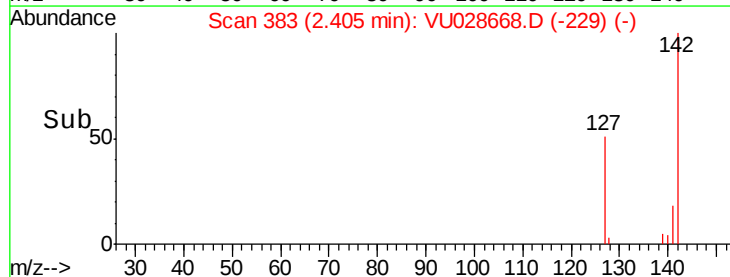
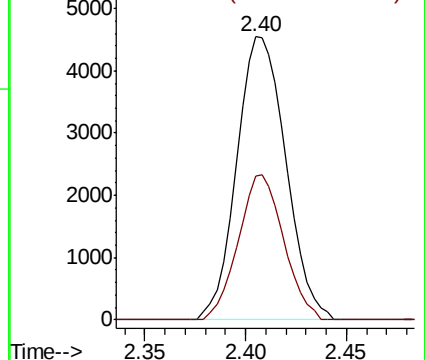
142 100

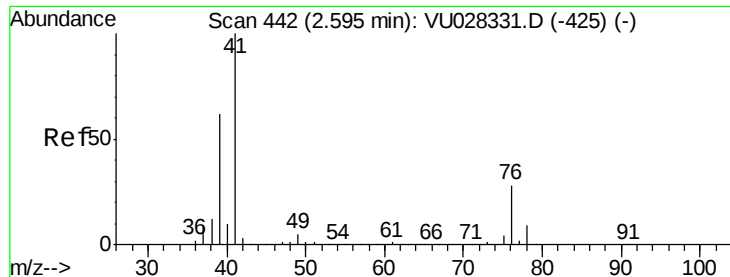
127 47.5 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

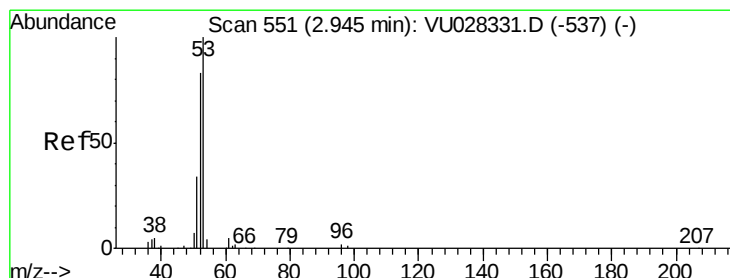
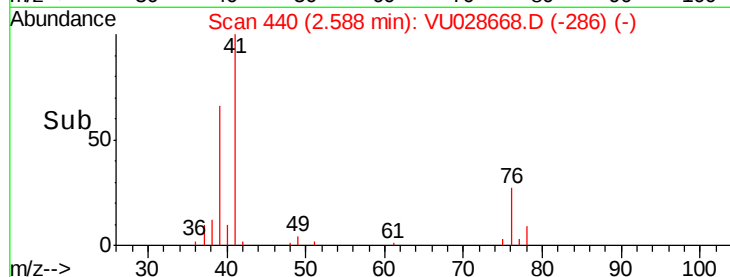
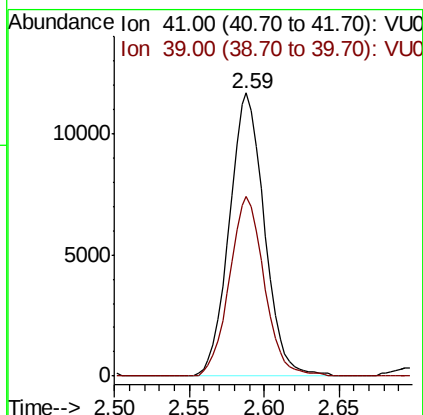
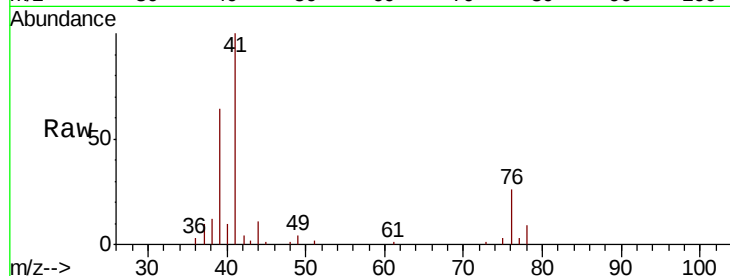




#11
Allvl Chloride
Concen: 2.082 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

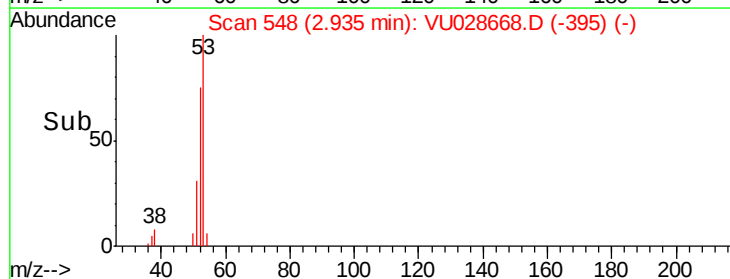
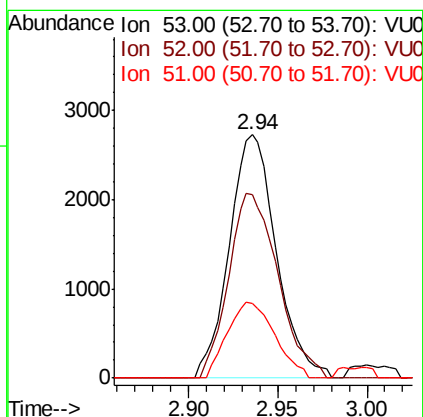
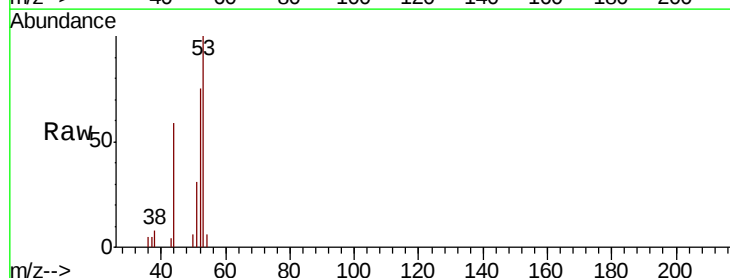
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

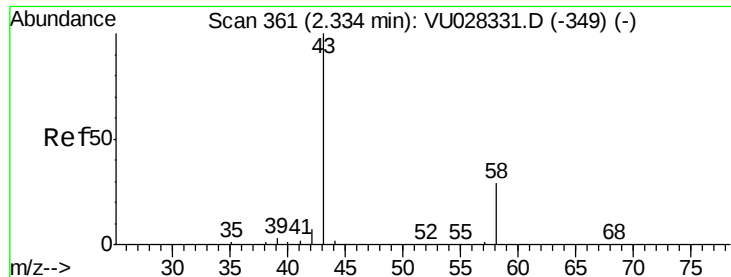
Tot Ion: 41 Resp: 19076
Ion Ratio Lower Upper
41 100
39 63.1 50.8 76.2



#12
Acrylonitrile
Concen: 4.324 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 53 Resp: 5000
Ion Ratio Lower Upper
53 100
52 79.8 69.3 103.9
51 31.3 27.8 41.8





#13

Acetone

Concen: 9.953 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

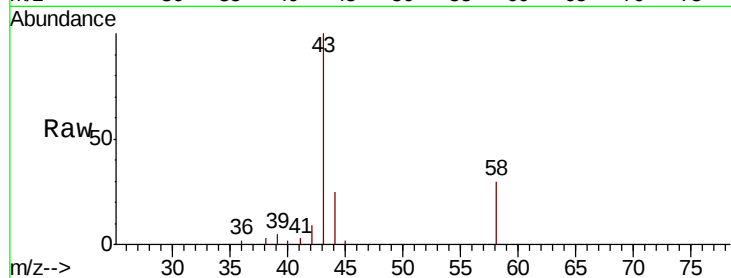
VU1214WBS01

Tot Ion: 43 Resp: 10664

Ion Ratio Lower Upper

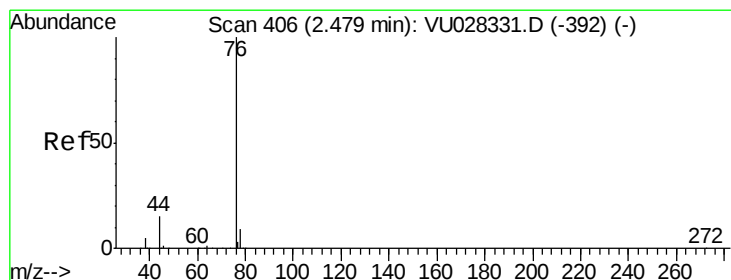
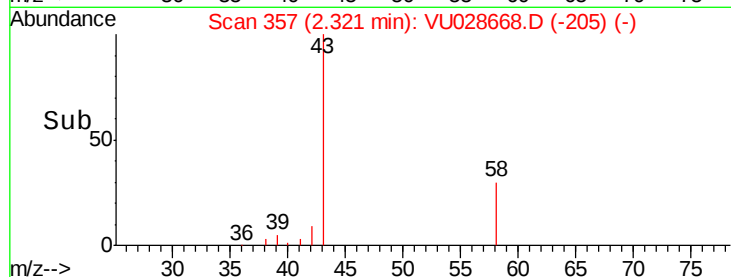
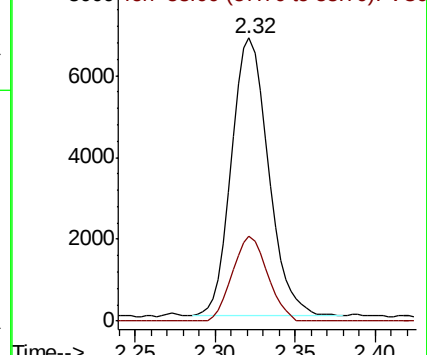
43 100

58 30.4 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 2.035 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028668.D

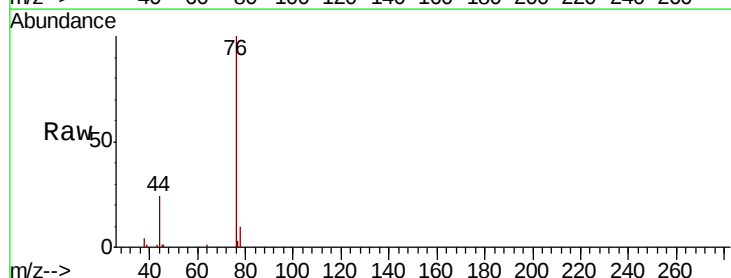
Acq: 13 Dec 2018 10:19

Tgt Ion: 76 Resp: 28065

Ion Ratio Lower Upper

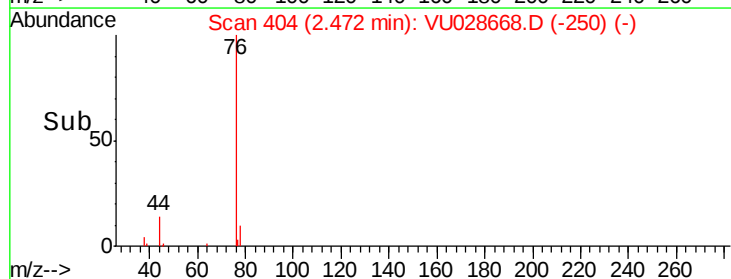
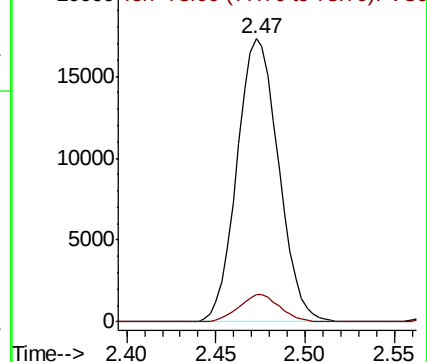
76 100

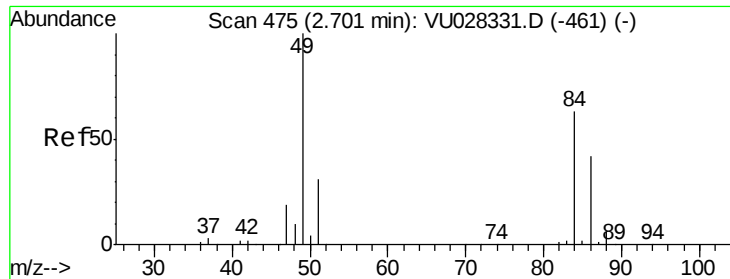
78 9.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

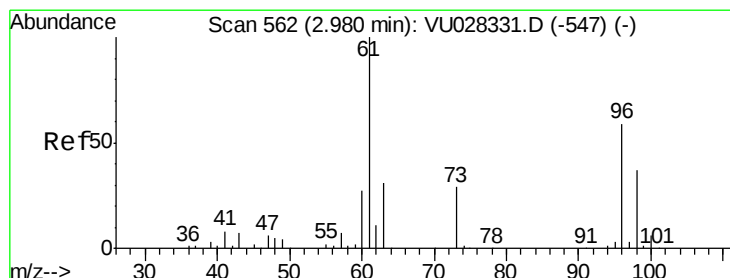
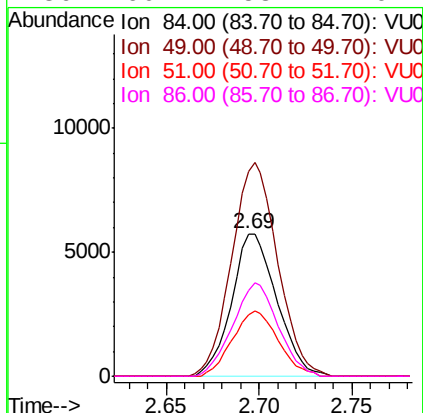
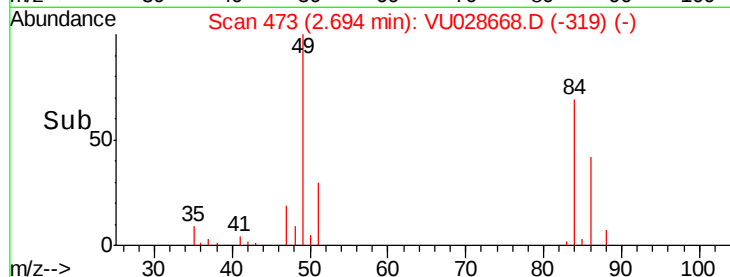
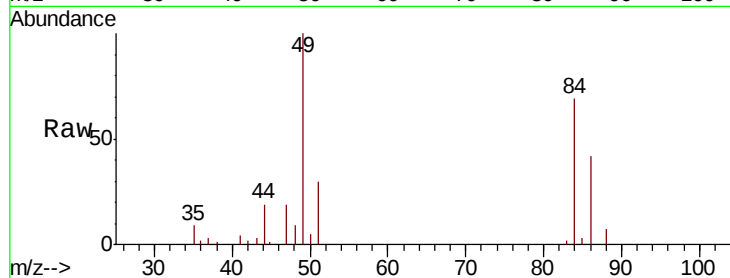




#15
Methvlene Chloride
Concen: 2.194 ug/l
RT: 2.69 min Scan# 473
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

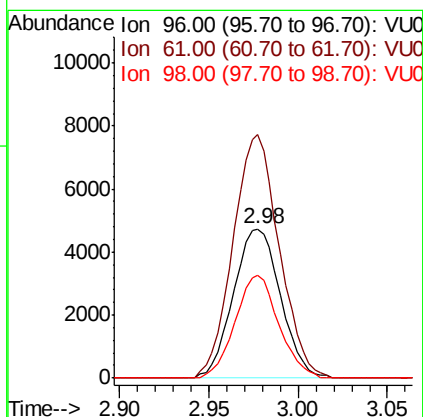
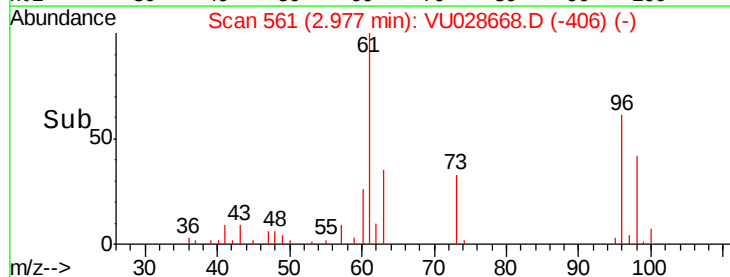
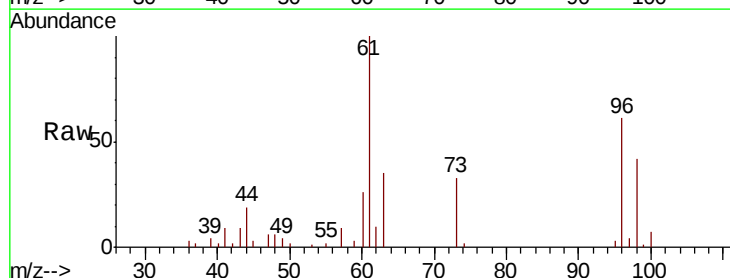
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

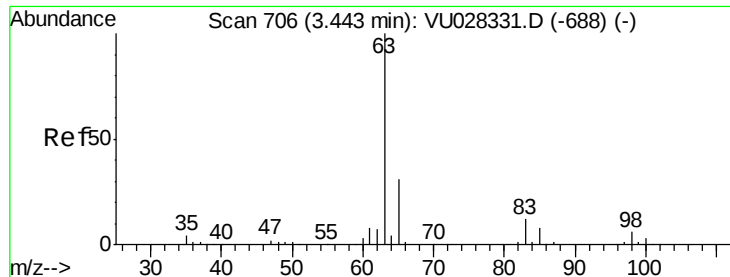
Tot Ion: 84 Resp: 9709
Ion Ratio Lower Upper
84 100
49 144.0 127.7 191.5
51 43.5 0.0 98.2
86 60.2 53.1 79.7



#16
trans-1,2-Dichloroethene
Concen: 2.146 ug/l
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 96 Resp: 8717
Ion Ratio Lower Upper
96 100
61 163.2 136.4 204.6
98 69.3 49.8 74.8

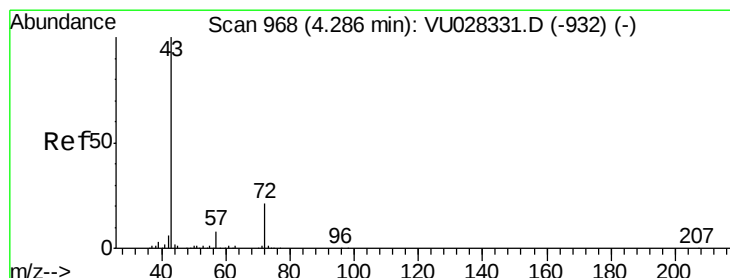
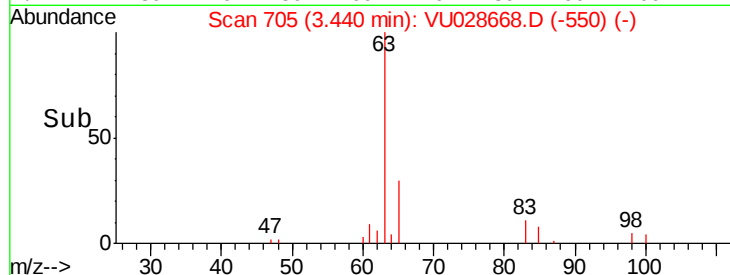
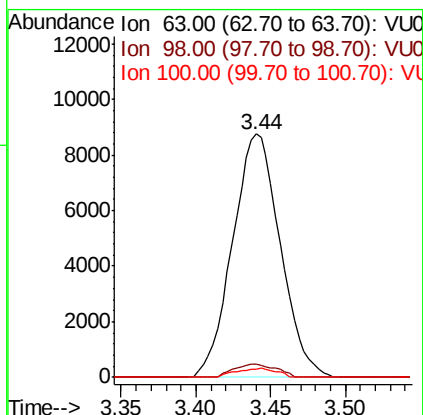
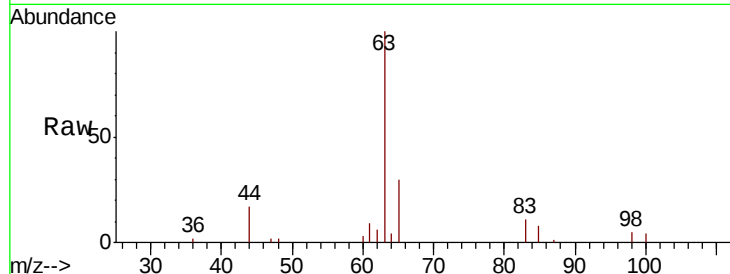




#17
 1,1-Dichloroethane
 Concen: 2.142 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

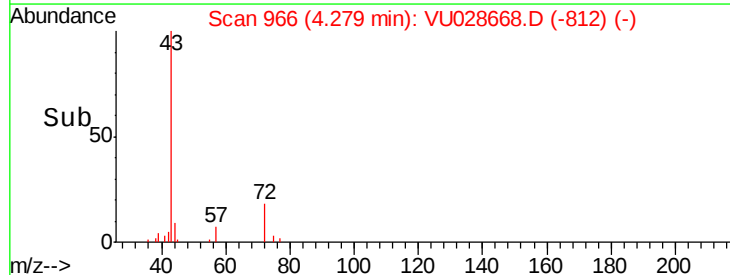
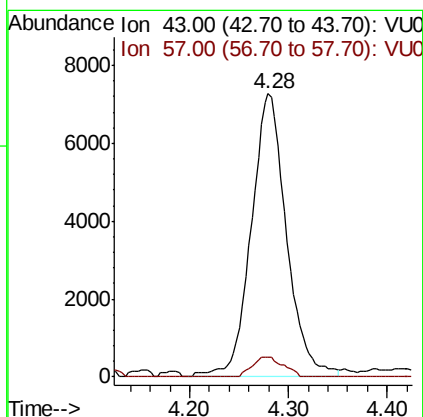
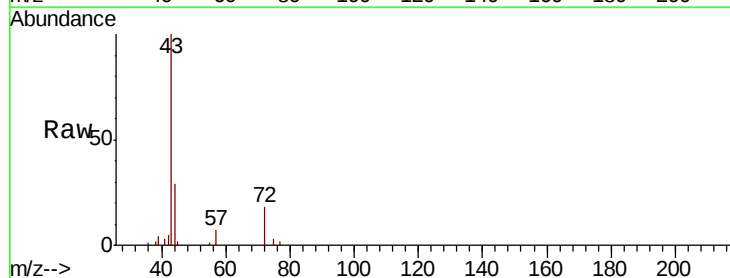
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

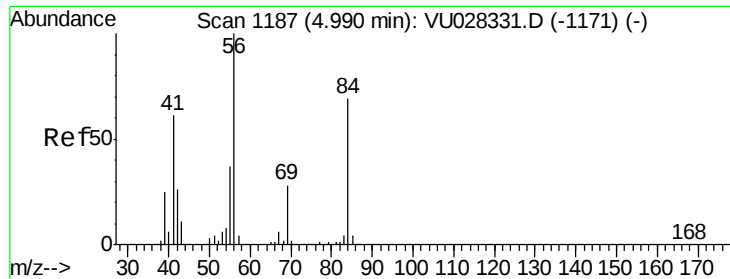
Tot Ion: 63 Resp: 19399
 Ion Ratio Lower Upper
 63 100
 98 5.2 3.0 9.0
 100 3.6 1.8 5.3



#18
 2-Butanone
 Concen: 11.230 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion: 43 Resp: 17980
 Ion Ratio Lower Upper
 43 100
 57 7.2 0.0 15.0

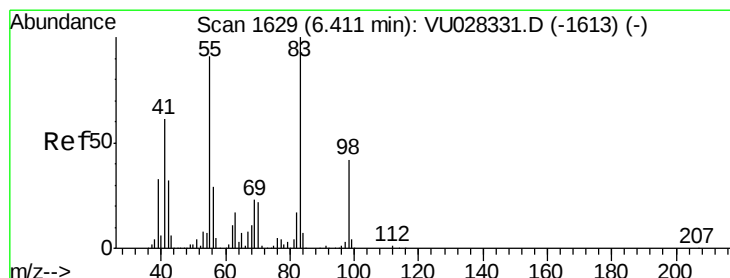
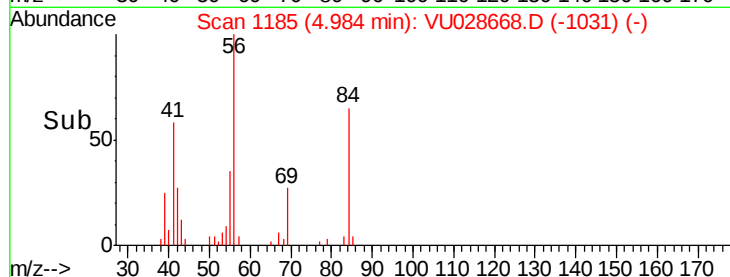
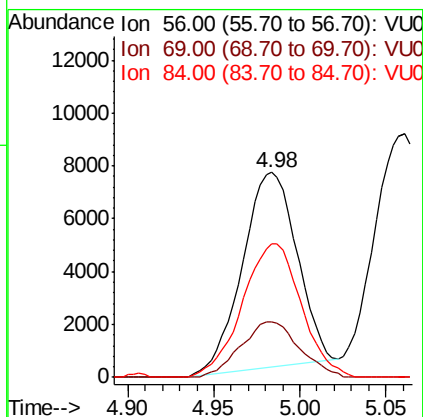
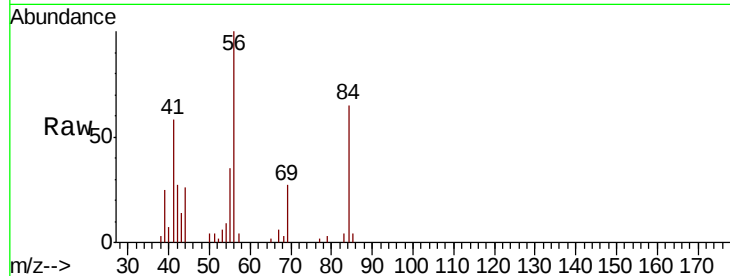




#19
Cyclohexane
Concen: 2.074 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

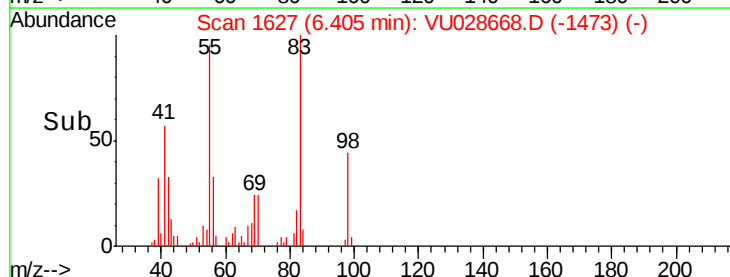
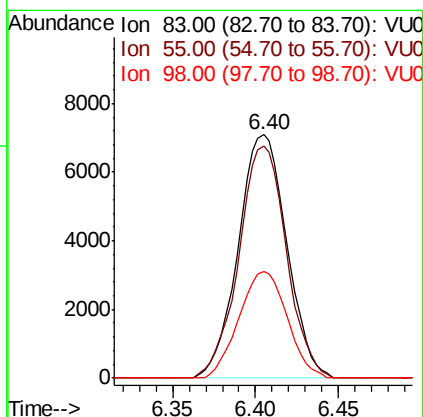
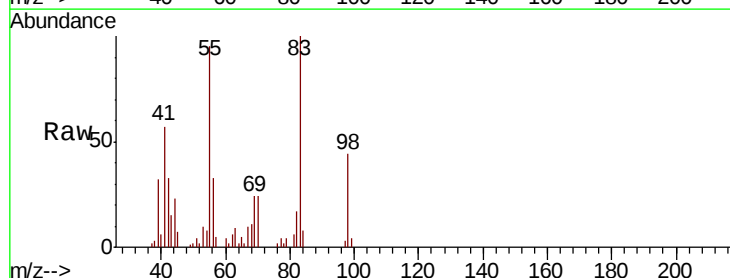
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

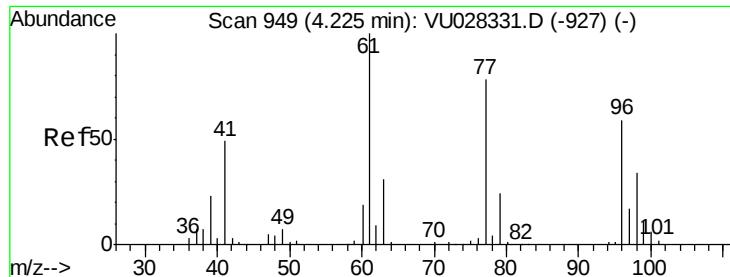
Tot Ion: 56 Resp: 16309
Ion Ratio Lower Upper
56 100
69 30.6 25.0 37.6
84 73.8 62.6 94.0



#20
Methylcyclohexane
Concen: 1.880 ug/l
RT: 6.40 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 83 Resp: 14471
Ion Ratio Lower Upper
83 100
55 93.6 72.6 108.8
98 43.5 33.8 50.8

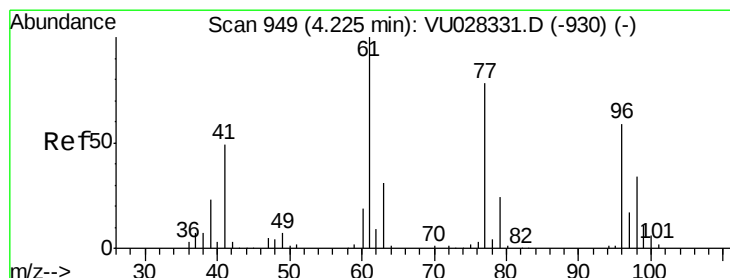
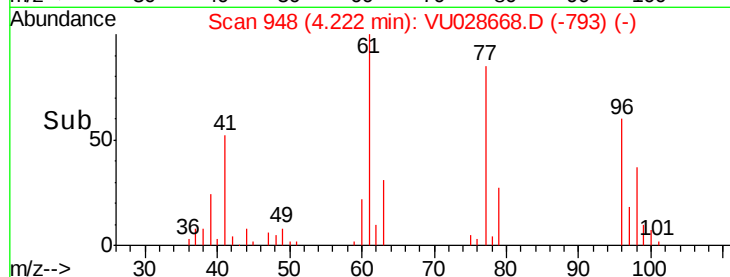
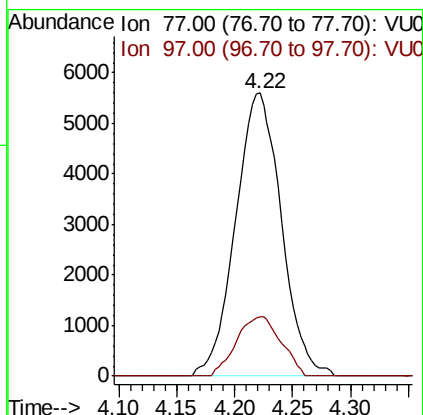
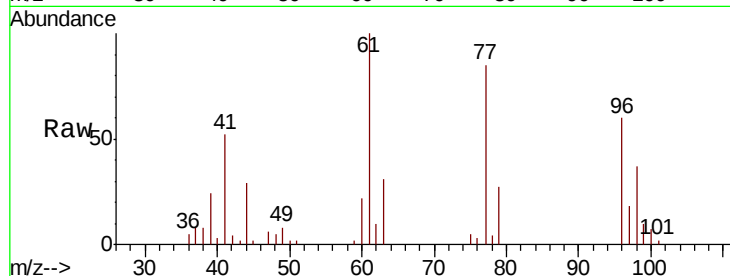




#21
 2,2-Dichloropropane
 Concen: 2.112 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

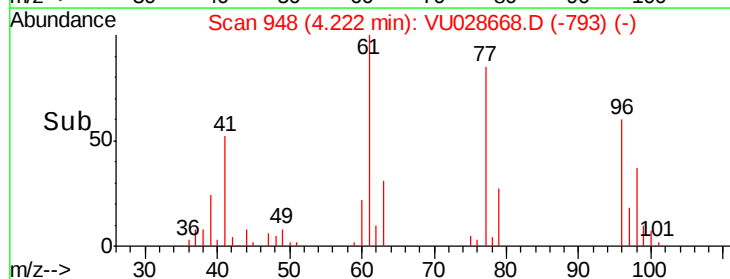
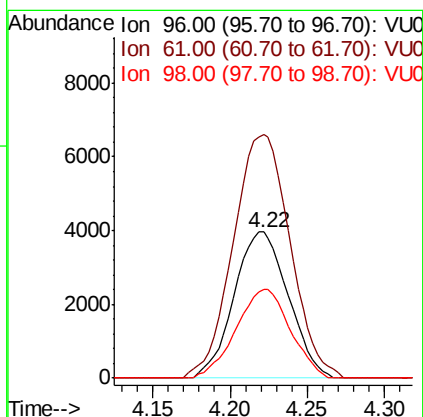
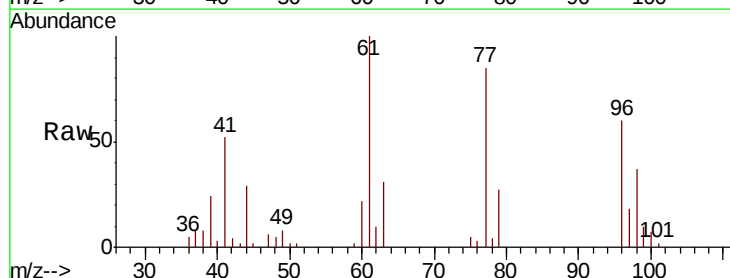
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

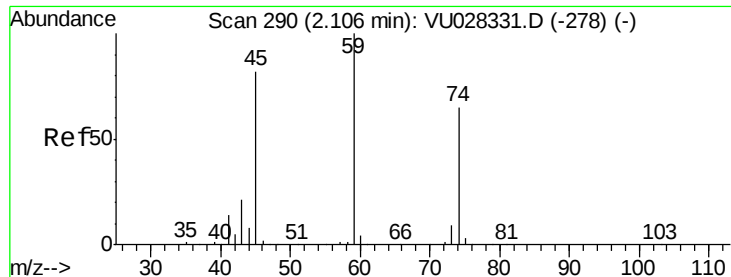
Tot Ion: 77 Resp: 15348
 Ion Ratio Lower Upper
 77 100
 97 20.5 17.4 26.2



#22
 cis-1,2-Dichloroethene
 Concen: 2.026 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion: 96 Resp: 9631
 Ion Ratio Lower Upper
 96 100
 61 175.2 0.0 423.0
 98 60.8 30.3 91.0

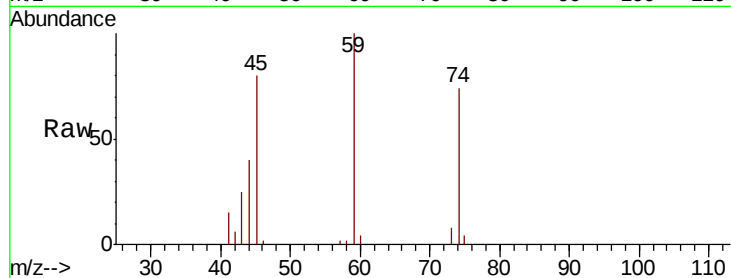




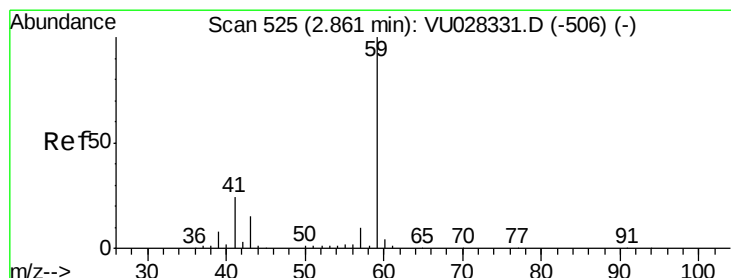
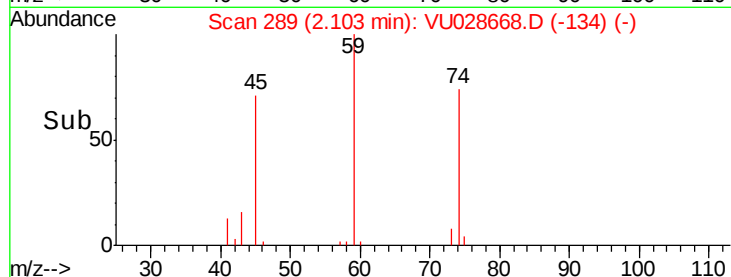
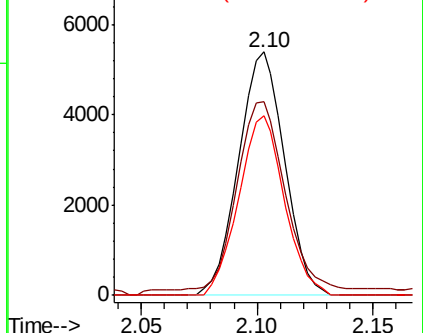
#23
Diethyl Ether
Concen: 2.039 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion: 59 Resp: 7418
Ion Ratio Lower Upper
59 100
45 79.4 66.4 99.6
74 73.1 52.2 78.4

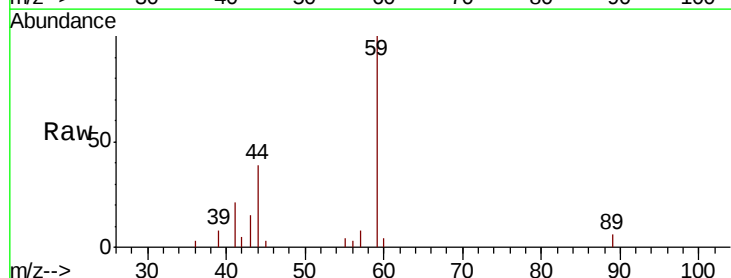


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

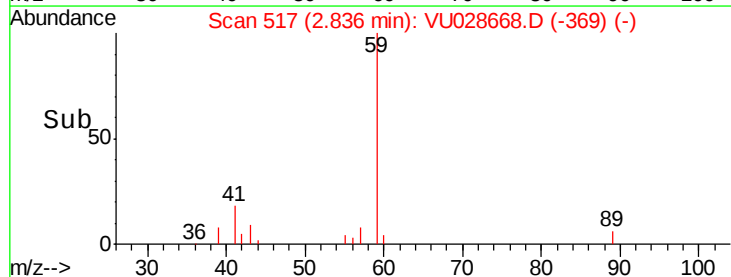
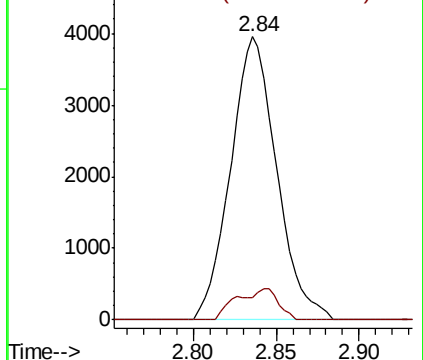


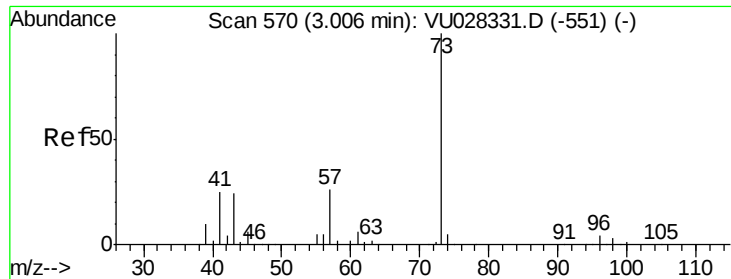
#24
tert-Butyl Alcohol
Concen: 20.882 ug/l
RT: 2.84 min Scan# 517
Delta R.T. -0.03 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 59 Resp: 7627
Ion Ratio Lower Upper
59 100
57 6.0 8.2 12.4#



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

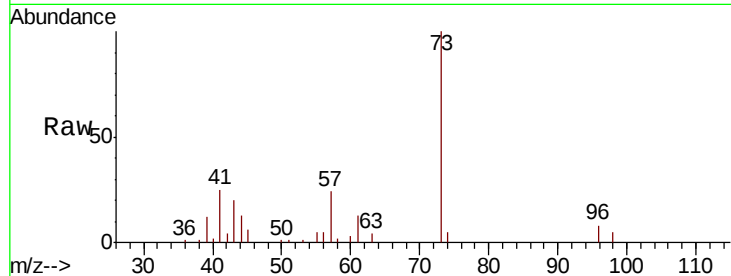




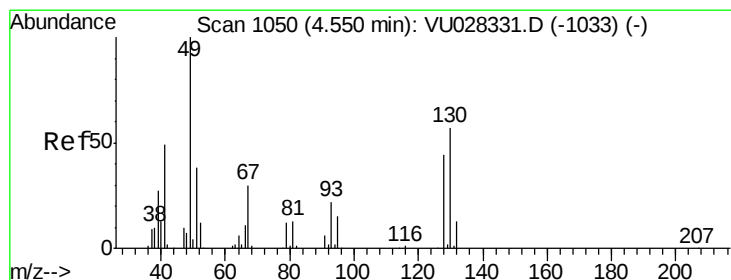
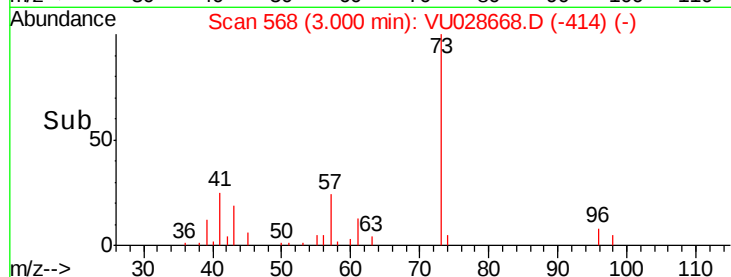
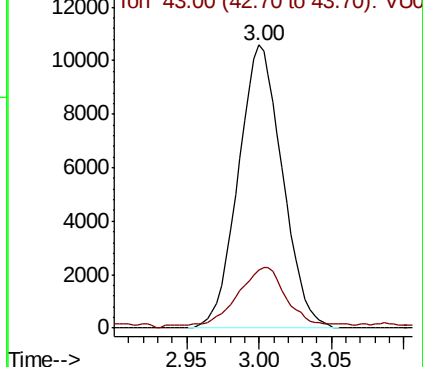
#25
Methyl tert-Butyl Ether
Concen: 2.071 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion: 73 Resp: 22328
Ion Ratio Lower Upper
73 100
43 23.2 18.5 27.7

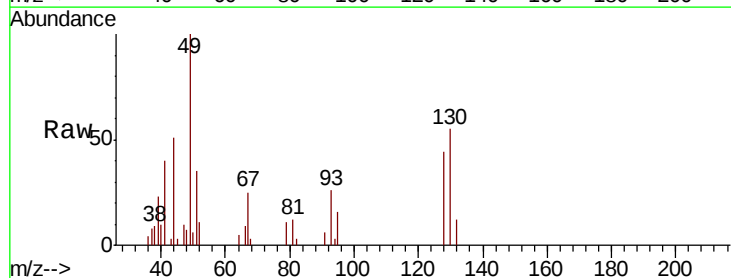


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0

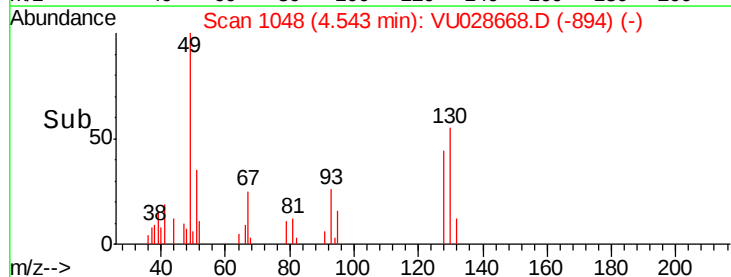
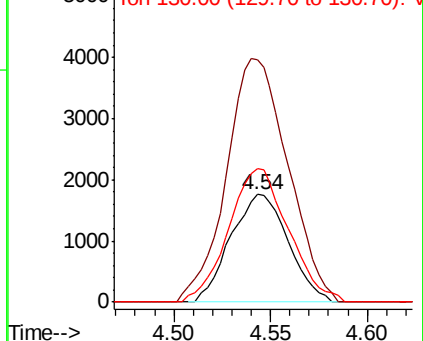


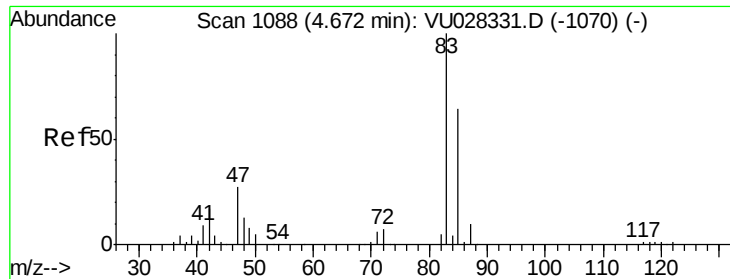
#26
Bromochloromethane
Concen: 2.011 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 128 Resp: 3644
Ion Ratio Lower Upper
128 100
49 240.7 0.0 457.6
130 128.8 101.4 152.2



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

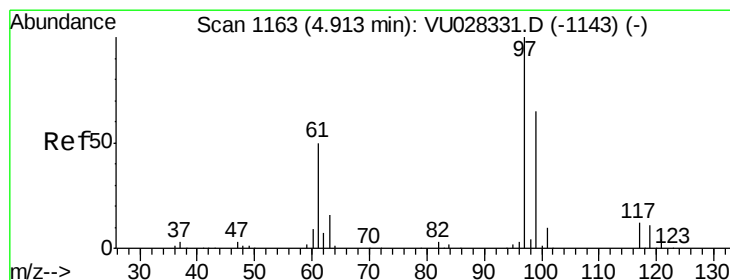
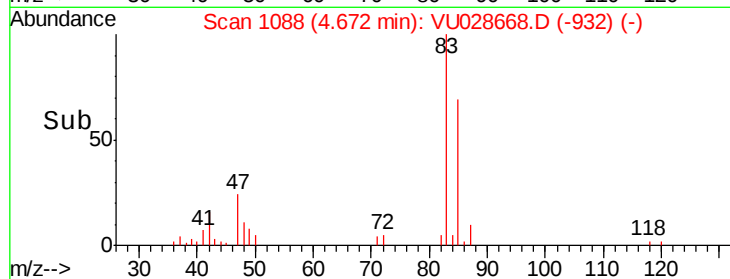
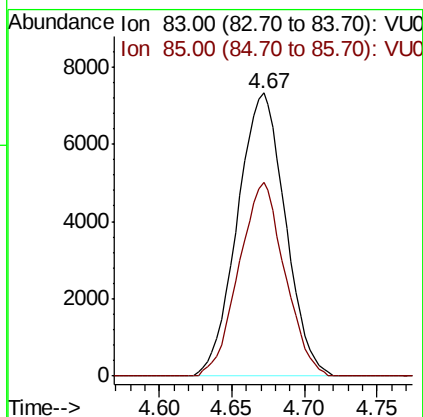
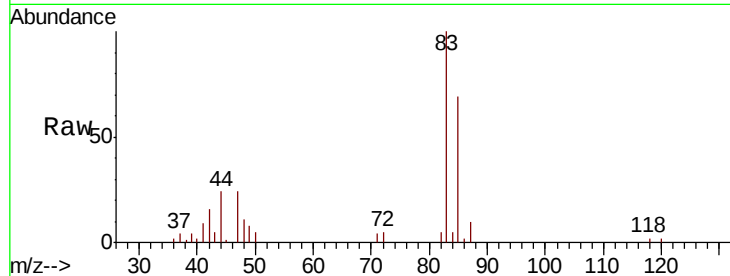




#27
Chloroform
Concen: 1.926 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

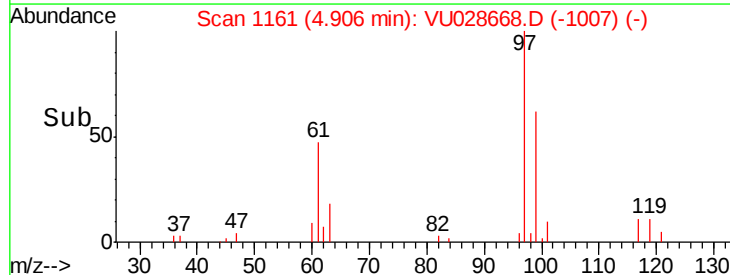
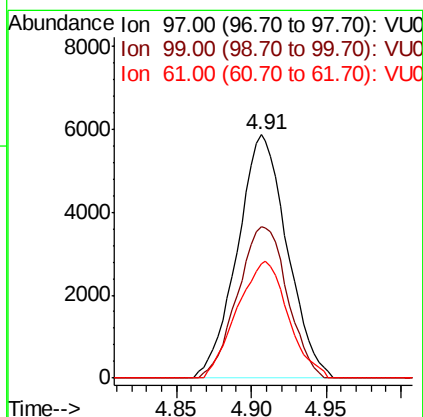
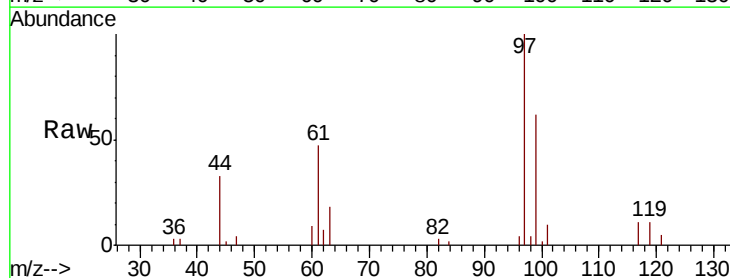
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

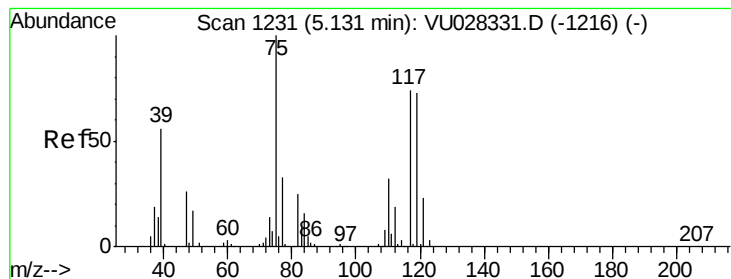
Tot Ion: 83 Resp: 16822
Ion Ratio Lower Upper
83 100
85 68.5 0.0 128.0



#28
1,1,1-Trichloroethane
Concen: 1.989 ug/l
RT: 4.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 97 Resp: 13565
Ion Ratio Lower Upper
97 100
99 62.2 32.2 96.6
61 49.1 24.9 74.7





#29

1,1-Dichloropropene

Concen: 1.988 ug/l

RT: 5.13 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

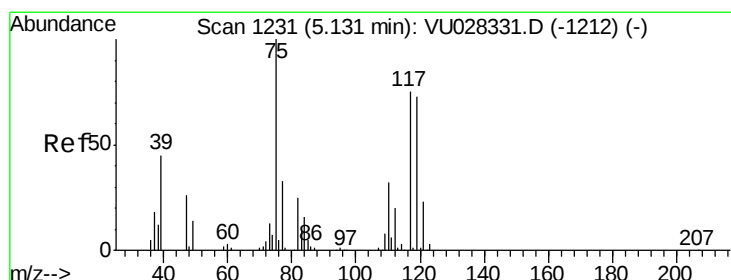
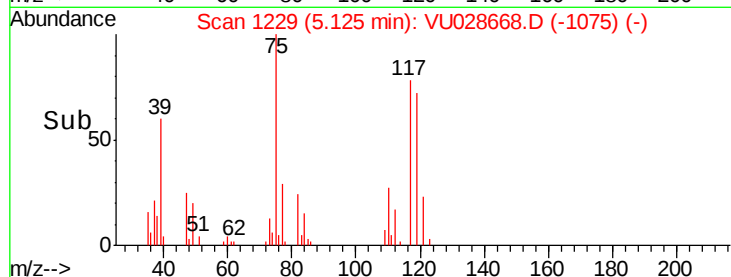
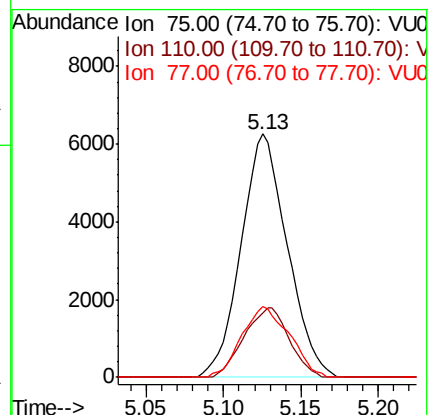
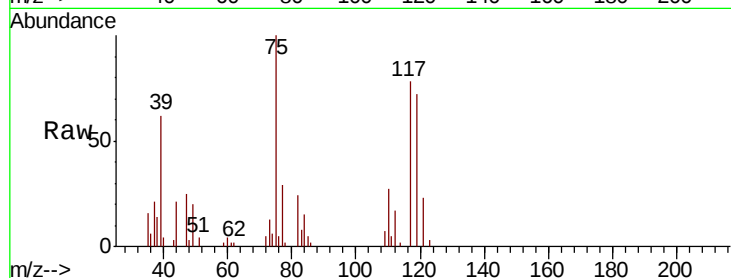
Tot Ion: 75 Resp: 13008

Ion Ratio Lower Upper

75 100

110 27.9 15.8 47.3

77 30.1 25.4 38.0



#30

Carbon Tetrachloride

Concen: 2.016 ug/l

RT: 5.13 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

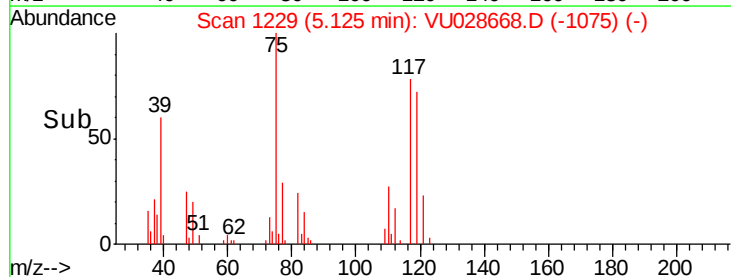
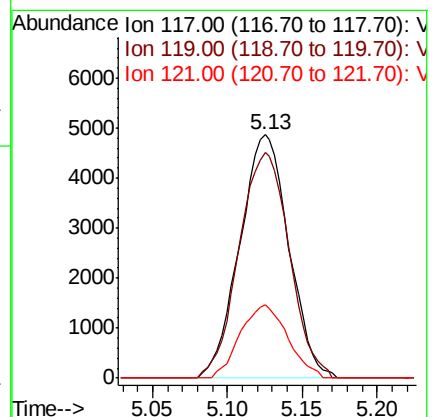
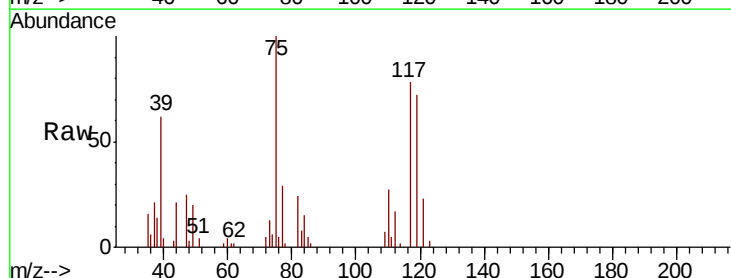
Tgt Ion: 117 Resp: 11102

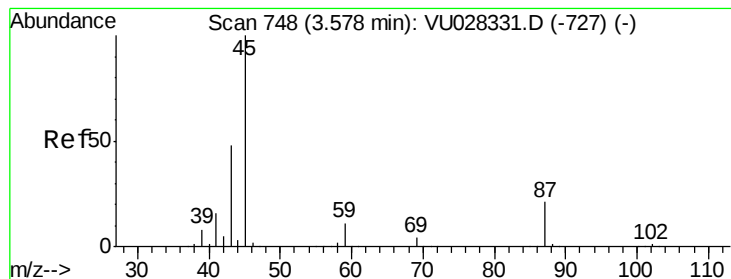
Ion Ratio Lower Upper

117 100

119 92.7 78.2 117.4

121 30.1 24.7 37.1





#31

Isopropyl Ether

Concen: 2.139 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

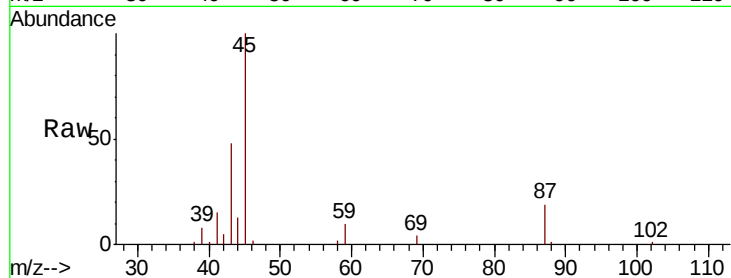
VU1214WBS01

Tot Ion: 45 Resp: 34694

Ion Ratio Lower Upper

45 100

43 49.3 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU028331.D (-727) (-)

Ion 43.00 (42.70 to 43.70): VU028331.D (-727) (-)

3.58

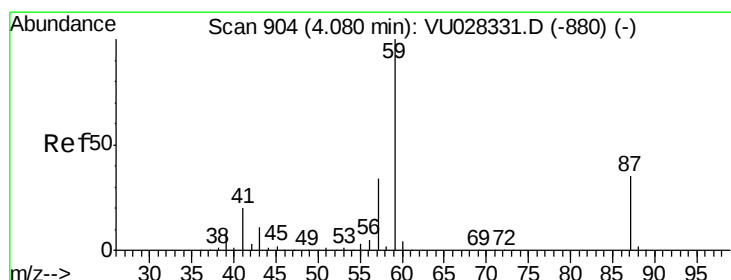
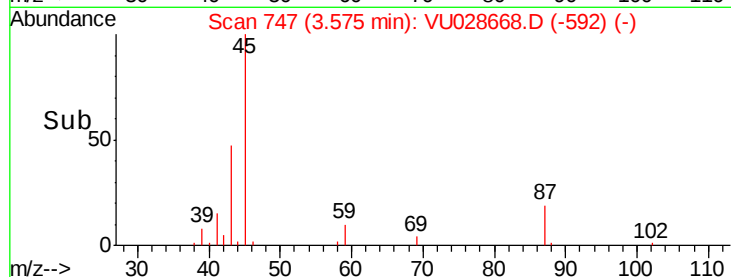
15000

10000

5000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 2.074 ug/l

RT: 4.08 min Scan# 903

Delta R.T. -0.00 min

Lab File: VU028668.D

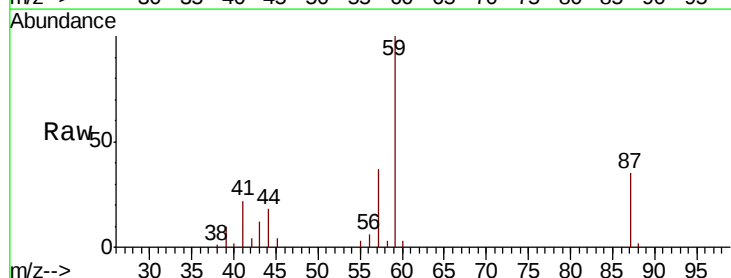
Acq: 13 Dec 2018 10:19

Tgt Ion: 59 Resp: 27706

Ion Ratio Lower Upper

59 100

87 34.3 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU028331.D (-880) (-)

Ion 87.00 (86.70 to 87.70): VU028331.D (-880) (-)

4.08

10000

8000

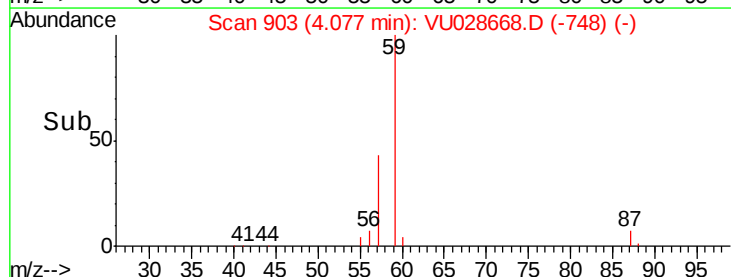
6000

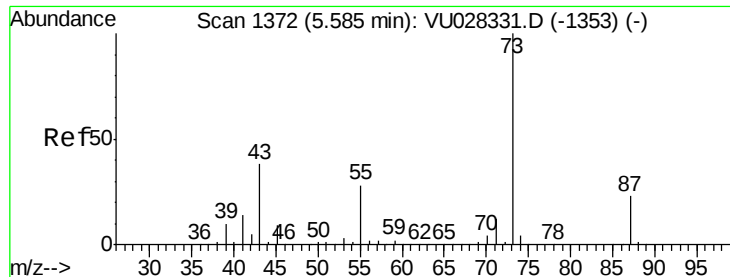
4000

2000

0

Time-->



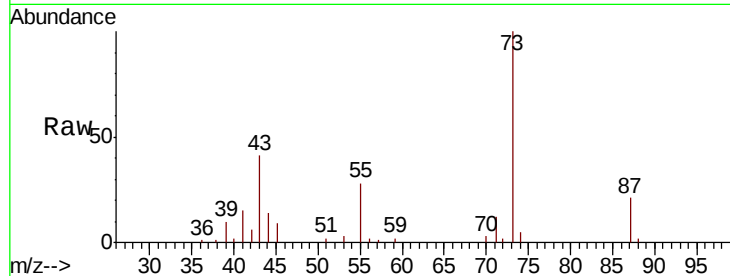


#33

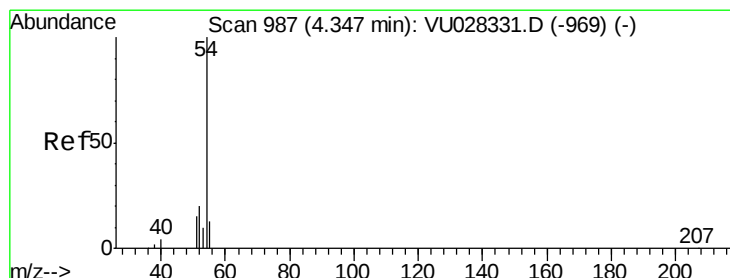
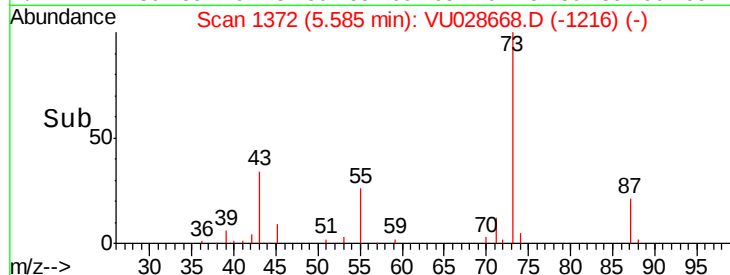
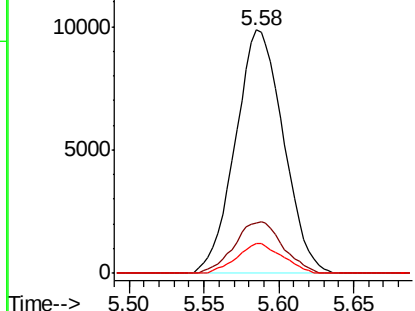
Tert-Butyl methyl ether
 Concen: 1.986 ug/l
 RT: 5.58 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	21.4	17.6	26.4
71	11.6	9.2	13.8



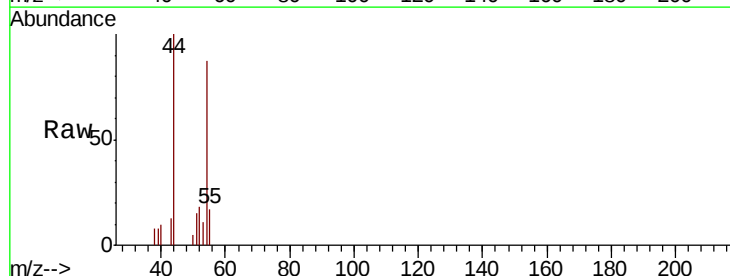
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0



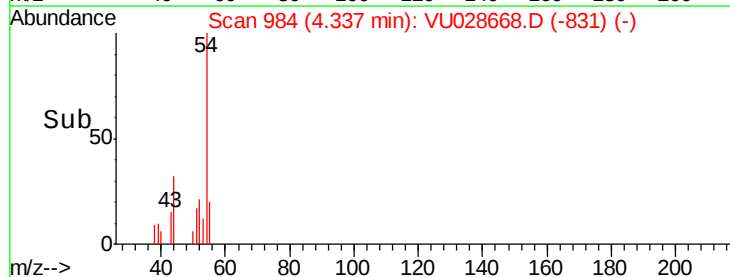
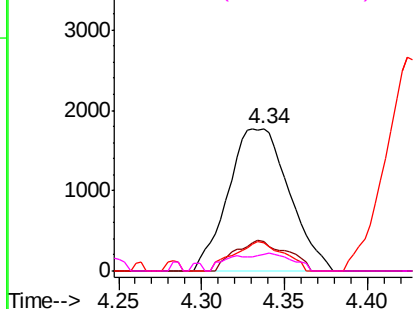
#34

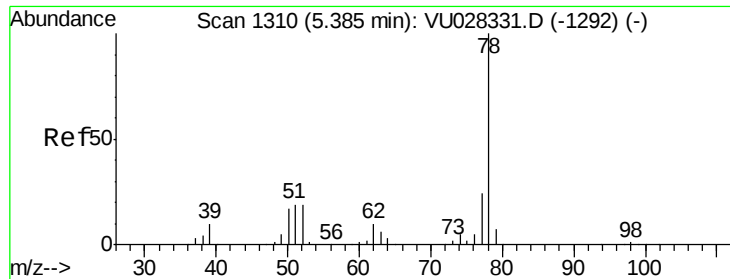
Propionitrile
 Concen: 11.240 ug/l
 RT: 4.34 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.3	16.6	25.0
55	16.7	12.9	19.3
40	3.9	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: 1.985 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

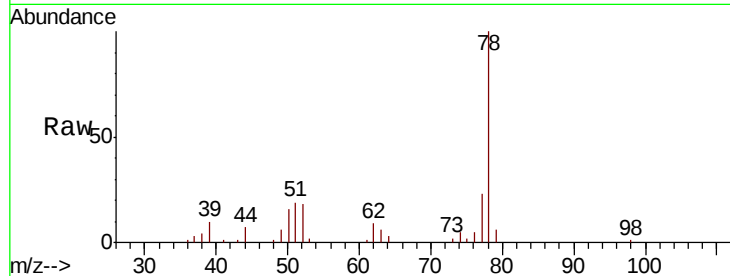
VU1214WBS01

Tot Ion: 78 Resp: 38241

Ion Ratio Lower Upper

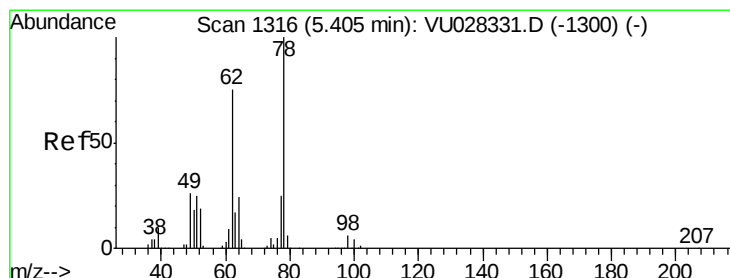
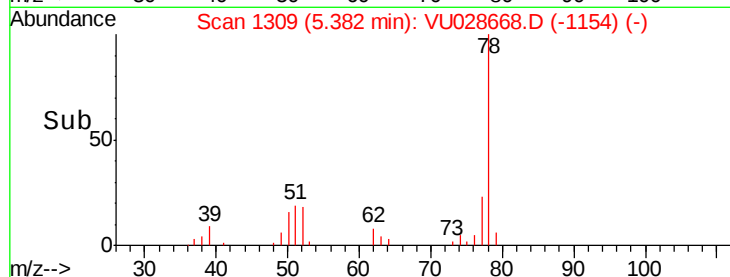
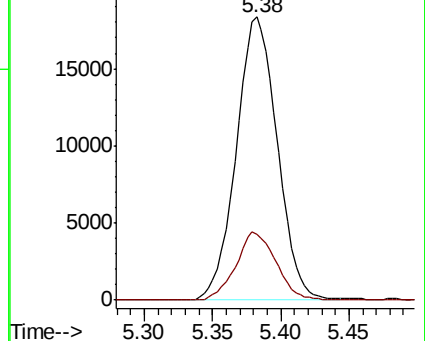
78 100

77 23.4 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 2.007 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028668.D

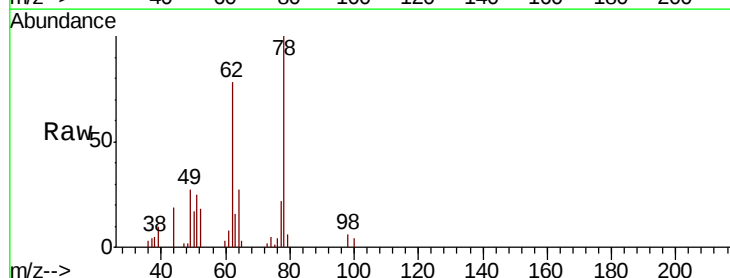
Acq: 13 Dec 2018 10:19

Tgt Ion: 62 Resp: 11560

Ion Ratio Lower Upper

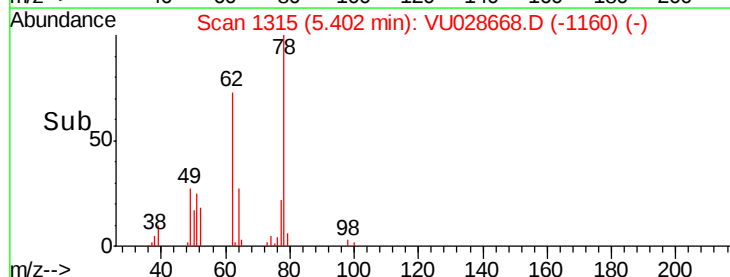
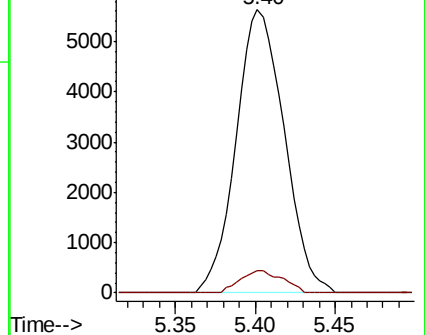
62 100

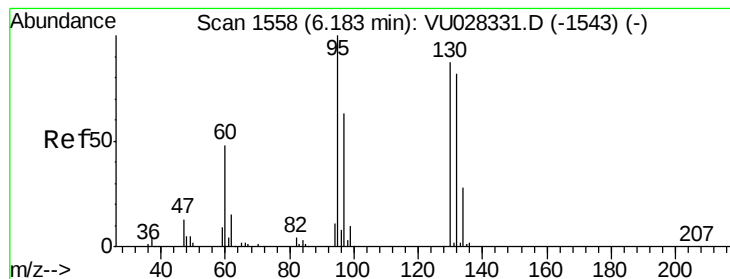
98 6.9 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 2.004 ug/l

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

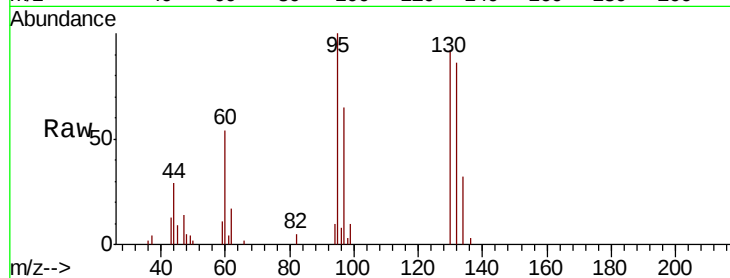
VU1214WBS01

Tot Ion:130 Resp: 8407

Ion Ratio Lower Upper

130 100

95 108.3 91.5 137.3



Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)

Ion 94.90 (94.60 to 95.60): VU028331.D (-1543) (-)

6.18

5000

4000

3000

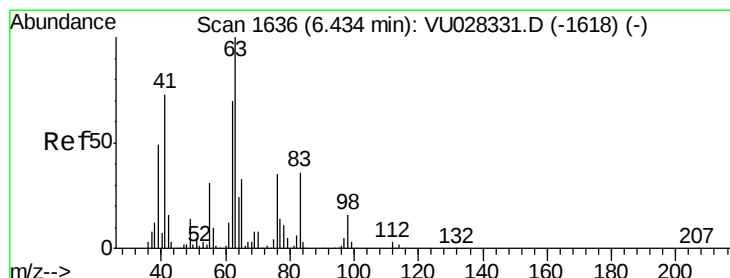
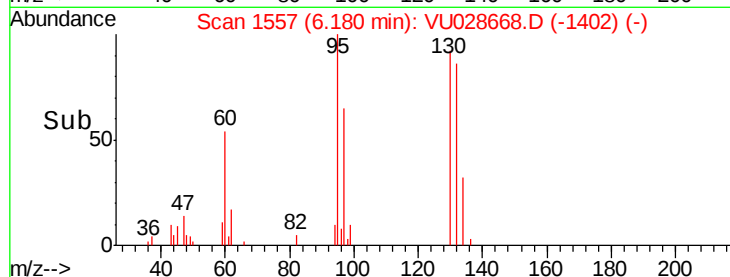
2000

1000

0

6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 1.980 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028668.D

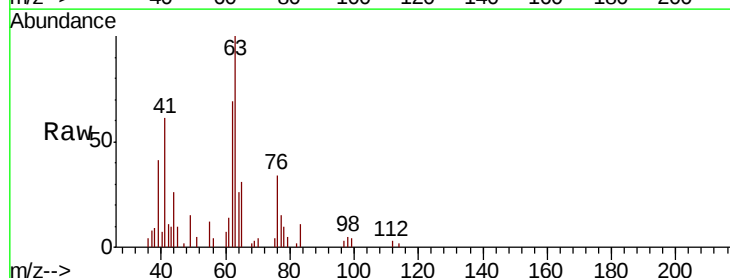
Acq: 13 Dec 2018 10:19

Tgt Ion: 63 Resp: 10874

Ion Ratio Lower Upper

63 100

65 31.5 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)

Ion 65.00 (64.70 to 65.70): VU028331.D (-1618) (-)

6.43

6000

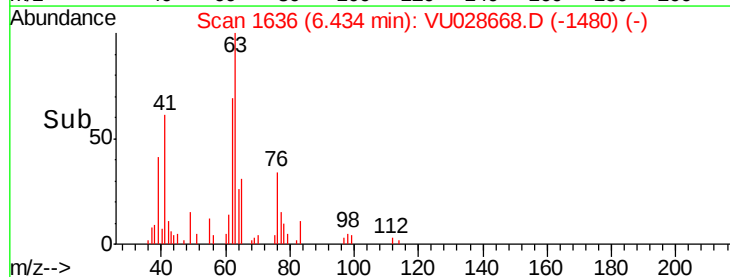
4000

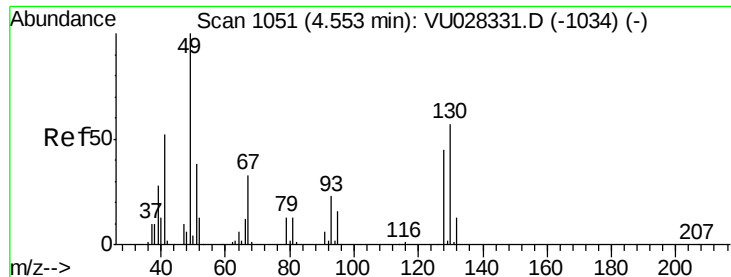
2000

0

6.35 6.40 6.45 6.50

Time-->





#39

Methacrylonitrile

Concen: 2.116 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

Tot Ion: 41 Resp: 4558

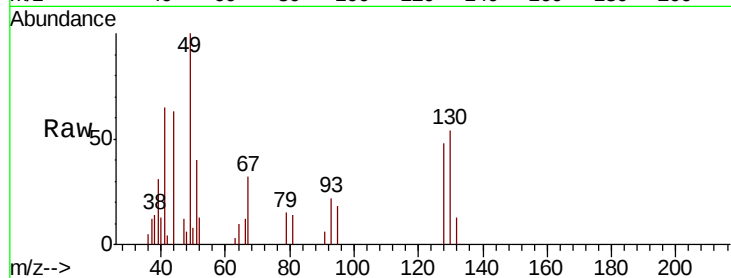
Ion Ratio Lower Upper

41 100

67 51.4 48.2 72.4

39 52.9 42.9 64.3

52 22.2 21.4 32.0

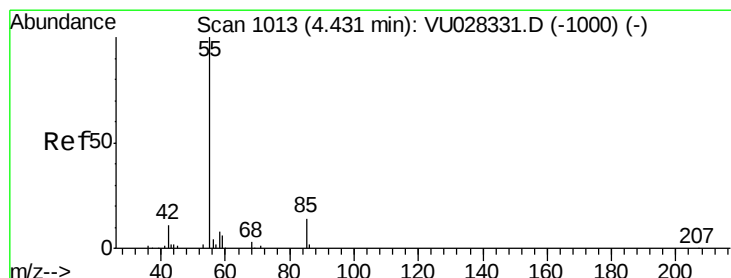
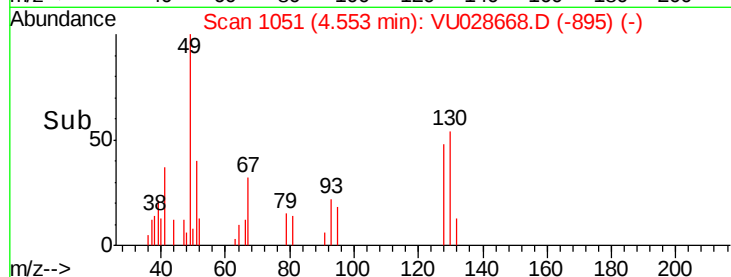
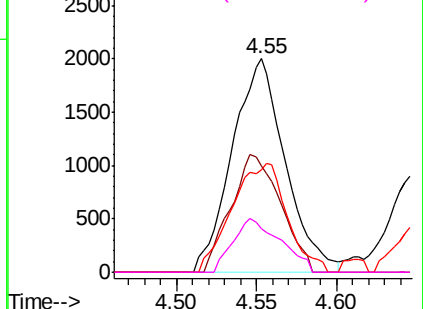


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 2.110 ug/l

RT: 4.42 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Tgt Ion: 55 Resp: 6254

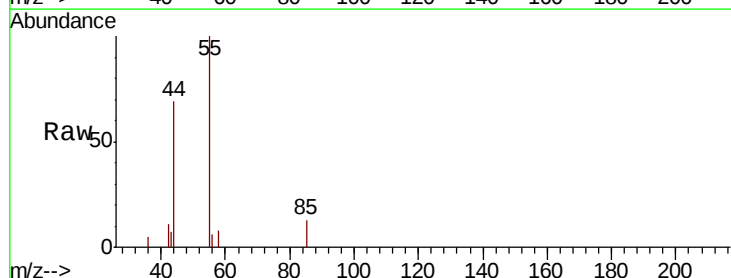
Ion Ratio Lower Upper

55 100

85 11.3 10.9 16.3

58 6.0 6.4 9.6#

42 10.9 7.5 11.3

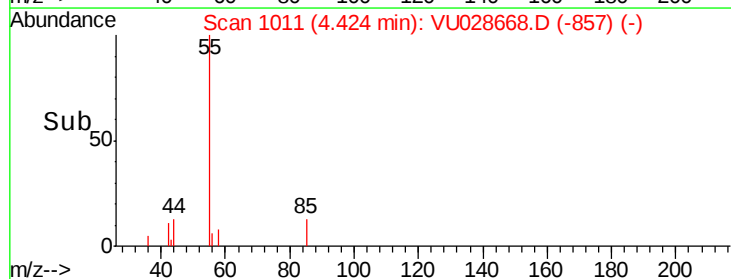
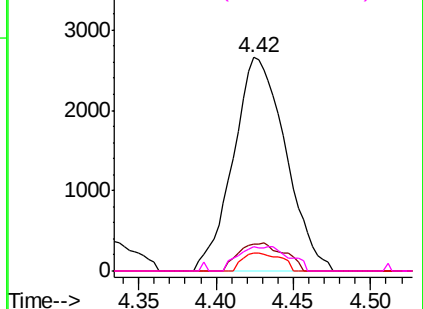


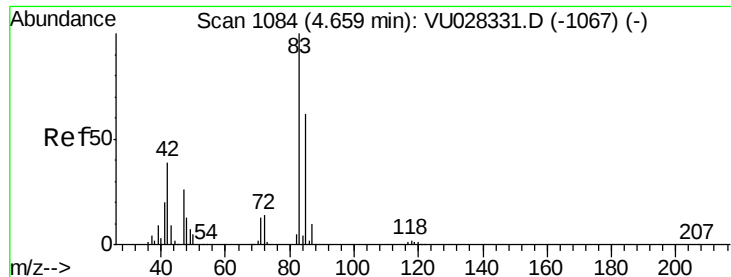
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 4.589 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

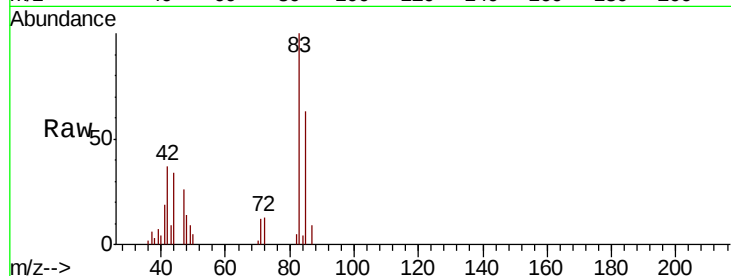
Tot Ion: 42 Resp: 4970

Ion Ratio Lower Upper

42 100

72 31.2 29.8 44.6

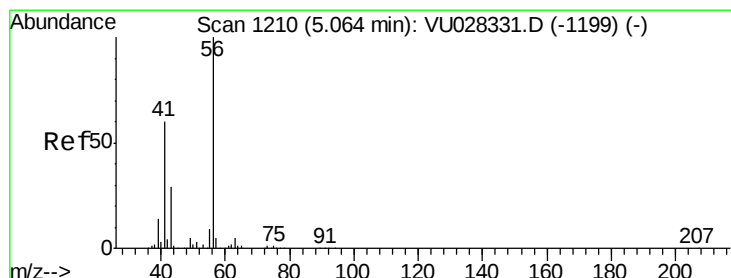
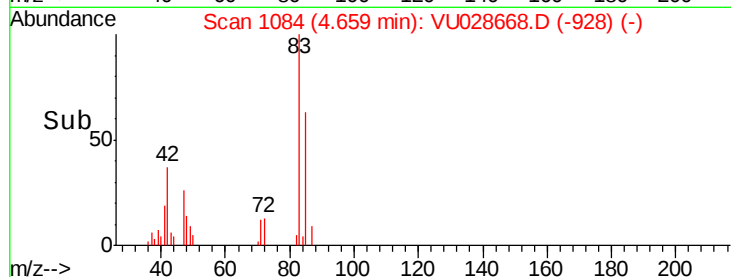
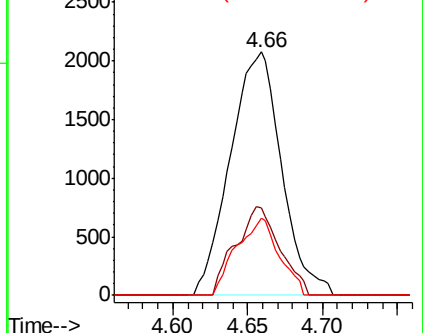
71 26.1 25.9 38.9



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: 1.947 ug/l

RT: 5.06 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VU028668.D

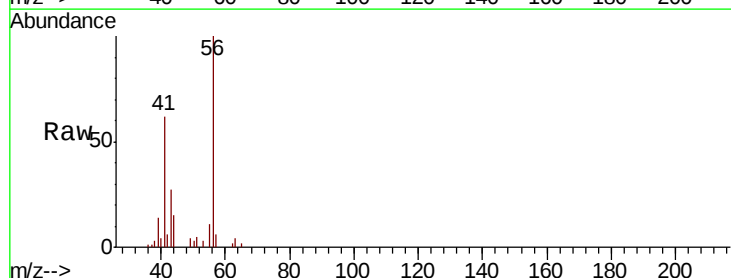
Acq: 13 Dec 2018 10:19

Tgt Ion: 56 Resp: 20254

Ion Ratio Lower Upper

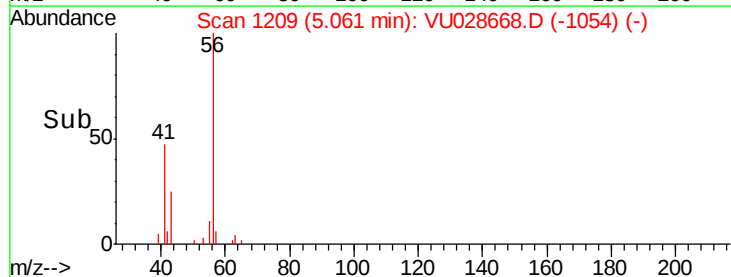
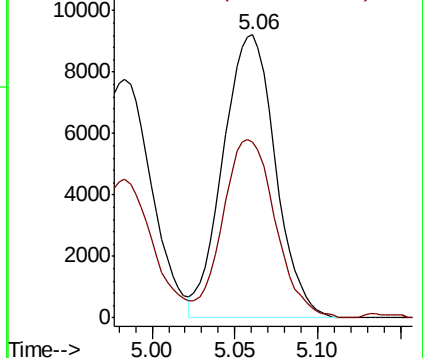
56 100

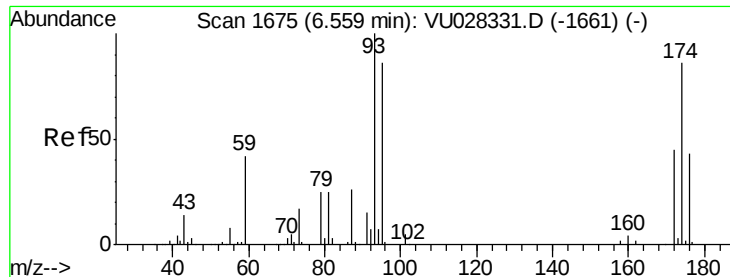
41 63.0 29.8 89.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 1.969 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

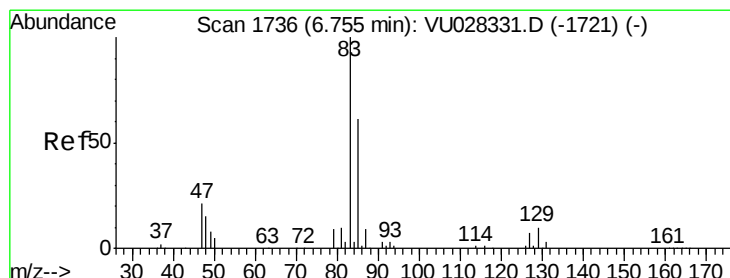
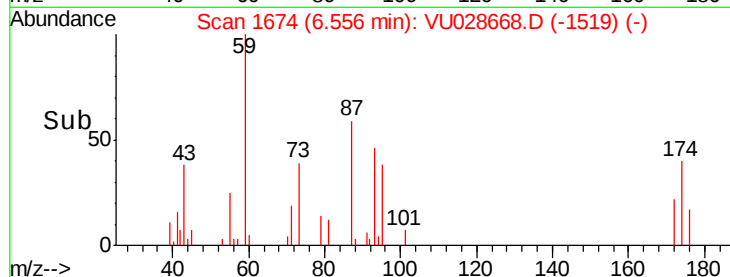
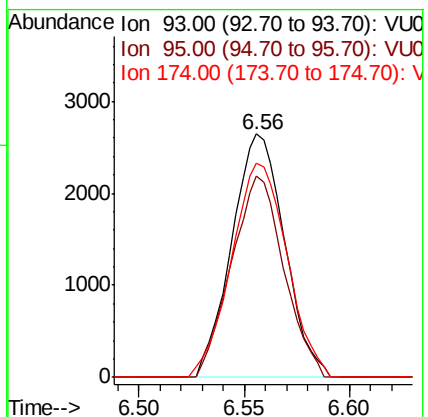
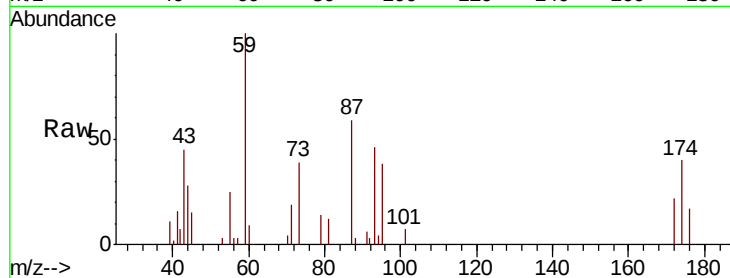
Tot Ion: 93 Resp: 4605

Ion Ratio Lower Upper

93 100

95 81.9 66.6 99.8

174 92.3 69.4 104.2



#44

Bromodichloromethane

Concen: 1.901 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

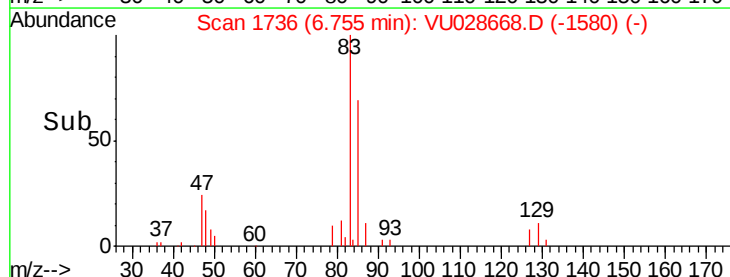
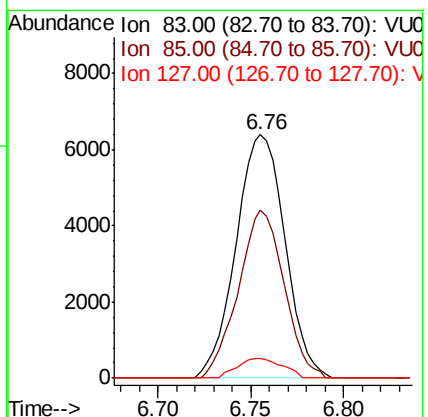
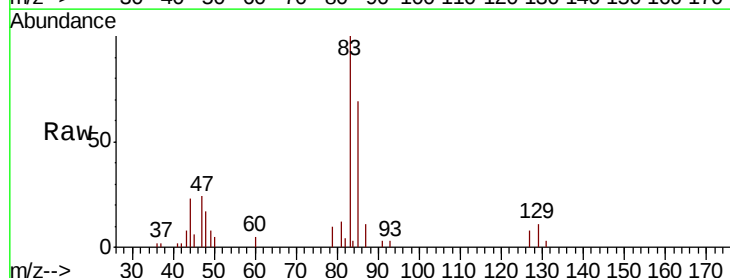
Tgt Ion: 83 Resp: 11738

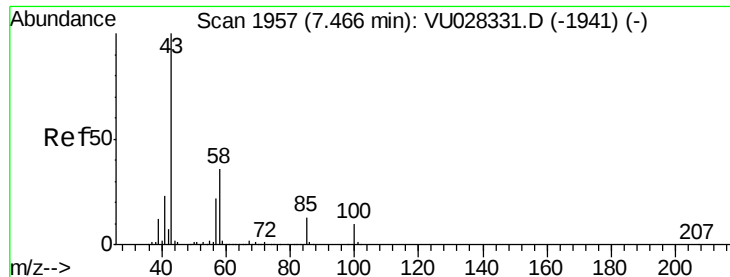
Ion Ratio Lower Upper

83 100

85 69.2 49.0 73.6

127 8.3 5.7 8.5

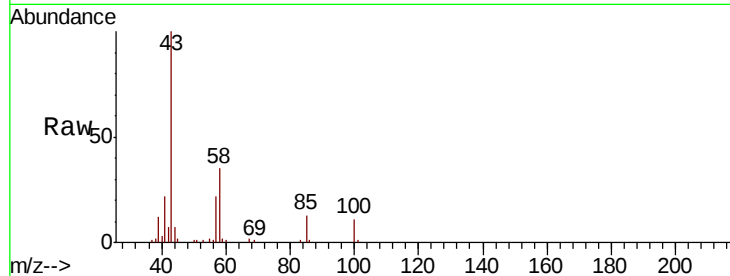




#45
4-Methyl-2-Pentanone
Concen: 9.935 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.5	17.9	53.7
85	12.8	10.8	16.2

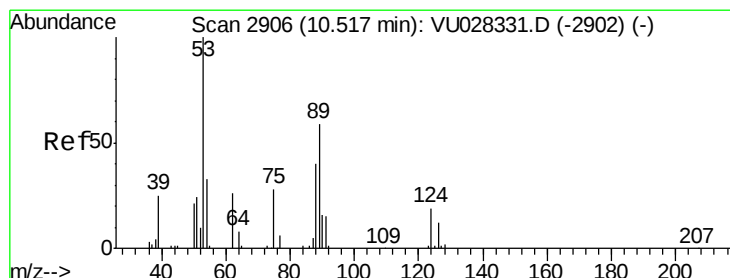
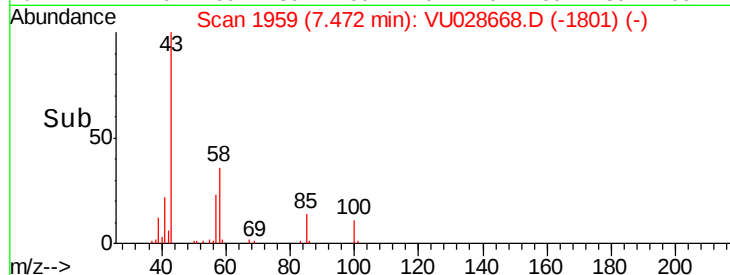
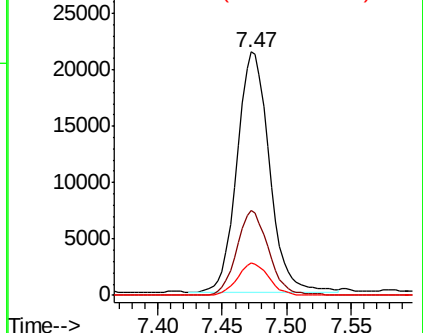


Abundance

Ion 43.00 (42.70 to 43.70): VU0

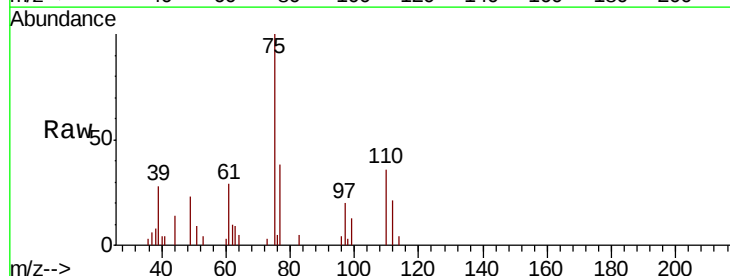
Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
t-1,4-Dichloro-2-butene
Concen: 4.377 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
53	73.9	65.0	97.6
89	44.1	38.6	58.0
88	31.1	27.3	40.9



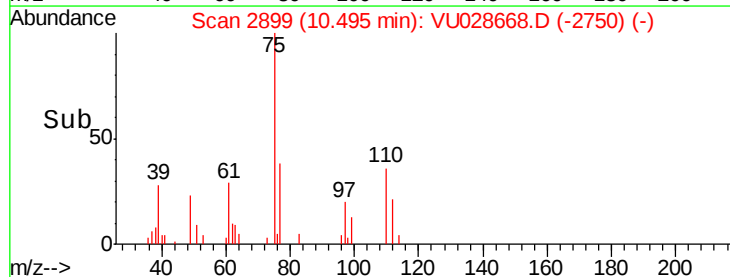
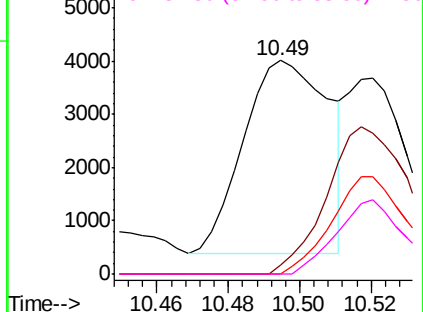
Abundance

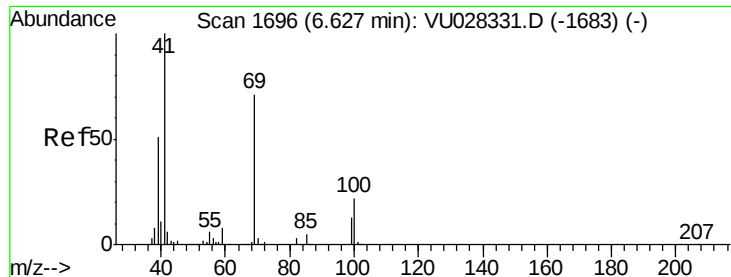
Ion 74.90 (74.60 to 75.60): VU0

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

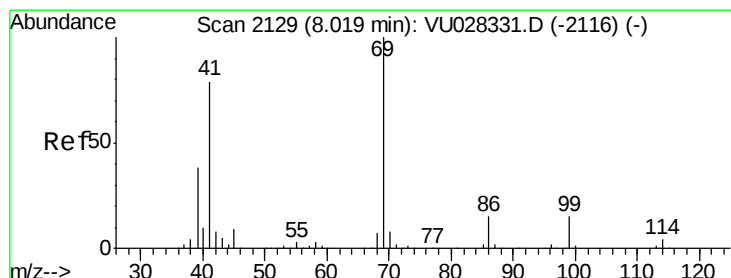
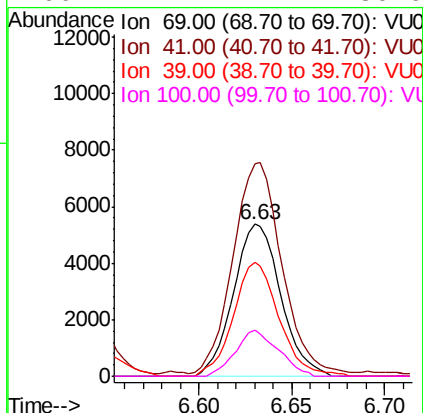
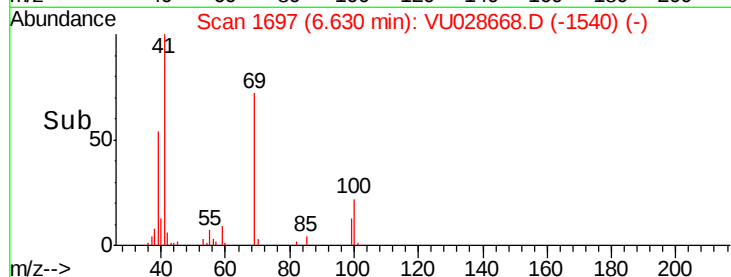
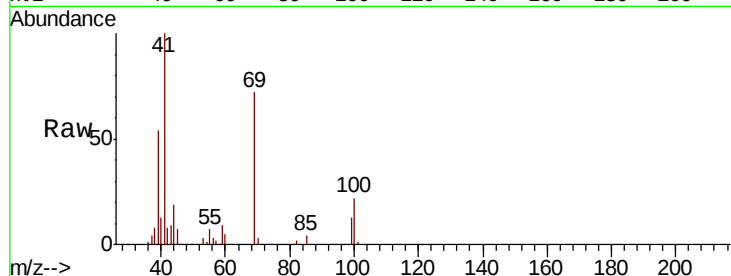




#47
Methyl methacrylate
Concen: 3.987 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

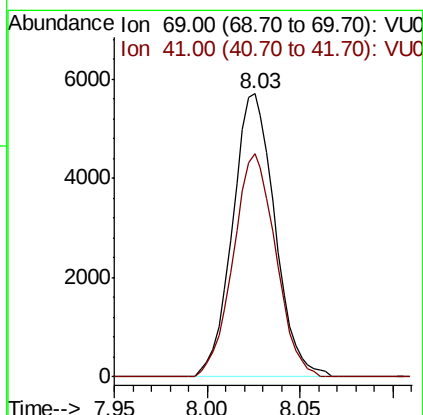
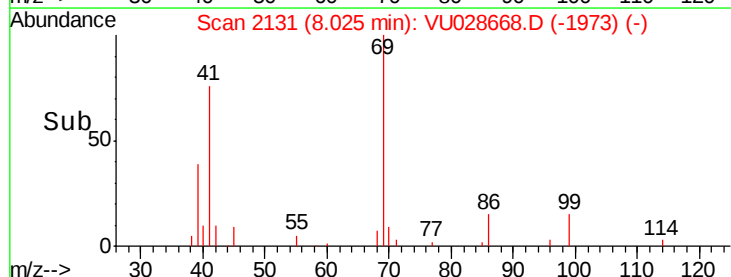
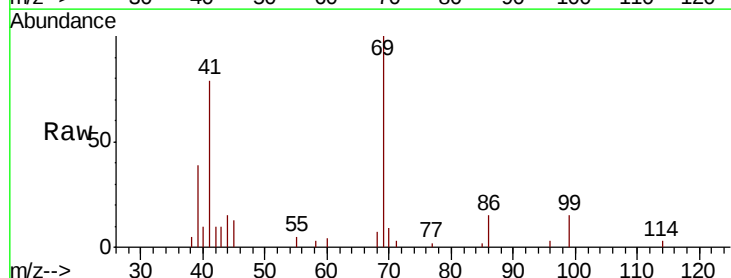
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

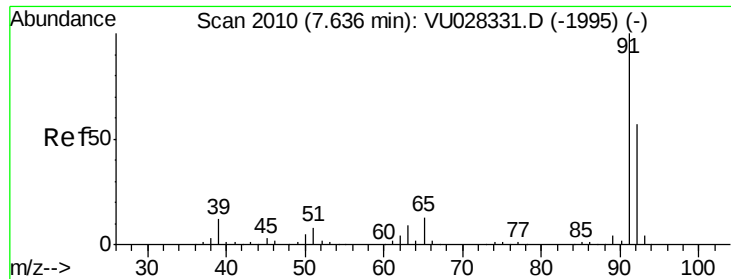
Tot Ion: 69 Resp: 9516
Ion Ratio Lower Upper
69 100
41 142.9 0.0 277.2
39 72.3 57.6 86.4
100 27.4 24.4 36.6



#48
Ethyl methacrylate
Concen: 1.896 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.01 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 69 Resp: 9051
Ion Ratio Lower Upper
69 100
41 79.3 39.4 118.2





#49

Toluene

Concen: 1.985 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

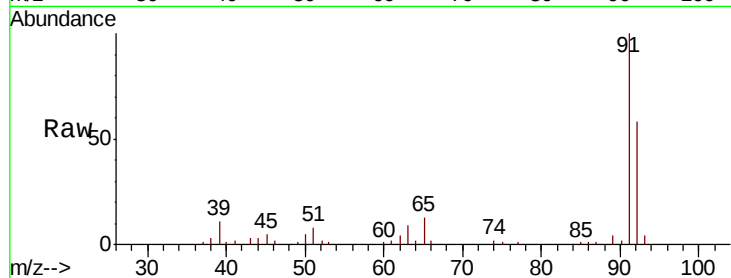
VU1214WBS01

Tot Ion: 92 Resp: 21237

Ion Ratio Lower Upper

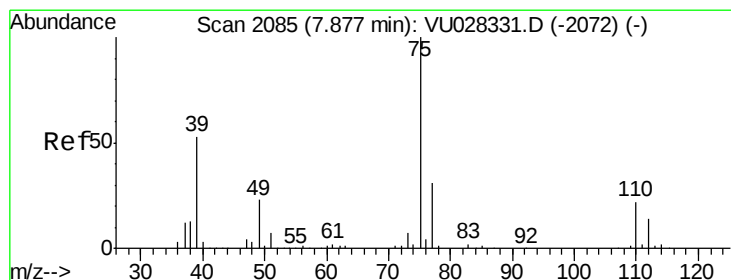
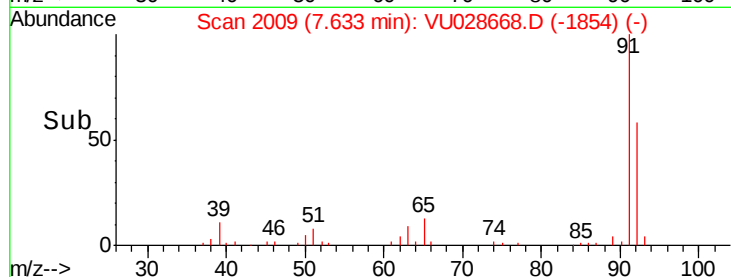
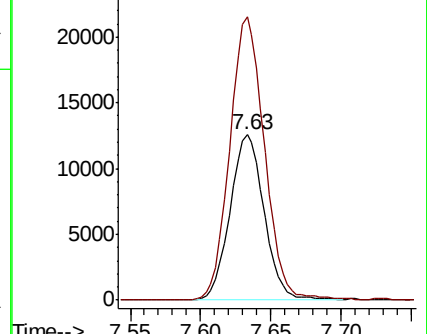
92 100

91 174.5 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VU028331.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028331.D (-1995) (-)



#50

t-1,3-Dichloropropene

Concen: 1.925 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028668.D

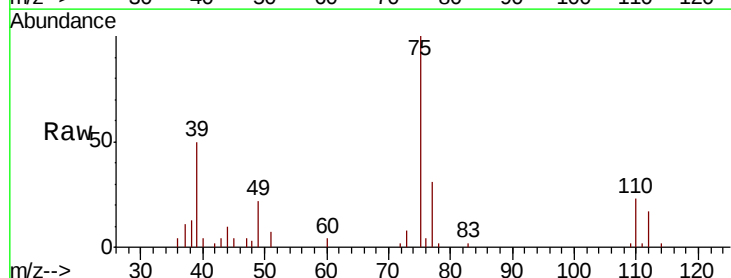
Acq: 13 Dec 2018 10:19

Tgt Ion: 75 Resp: 11416

Ion Ratio Lower Upper

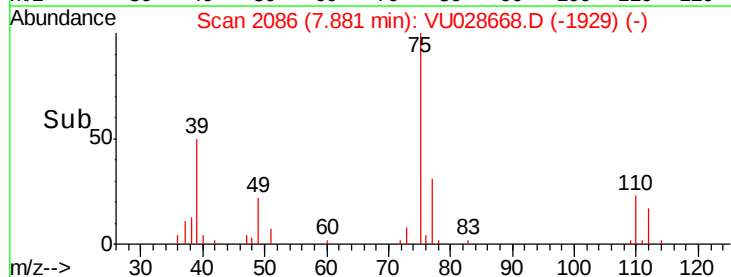
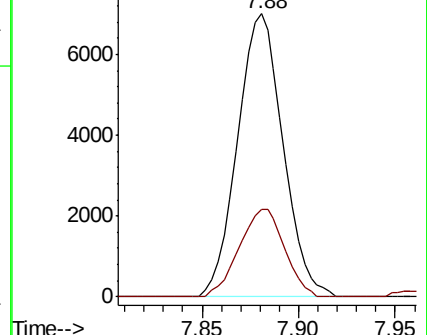
75 100

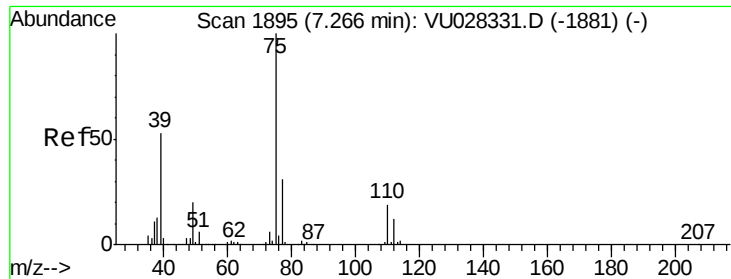
77 31.1 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-2072) (-)

Ion 77.00 (76.70 to 77.70): VU028331.D (-2072) (-)





#51

cis-1,3-Dichloropropene

Concen: 1.970 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

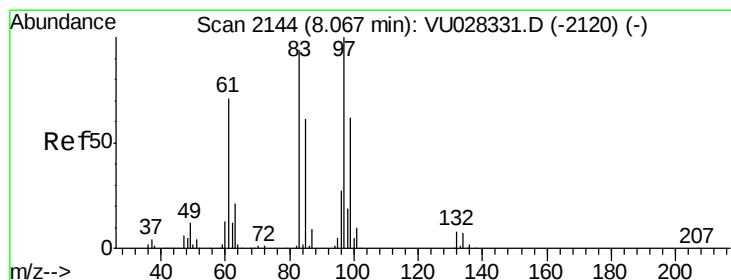
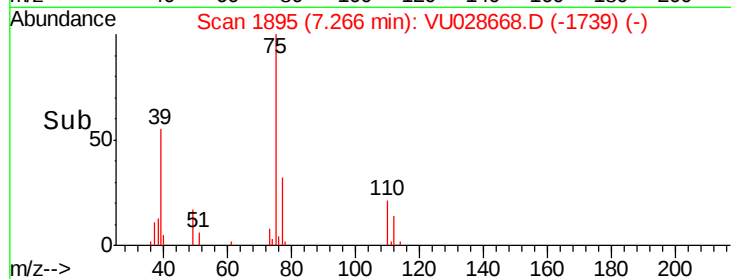
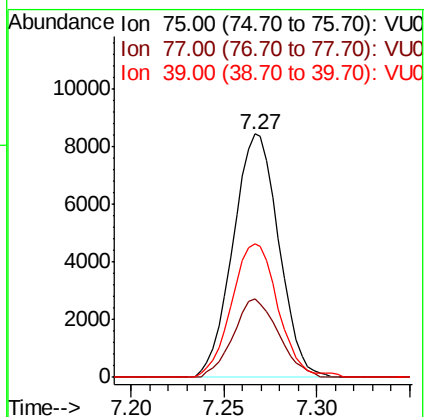
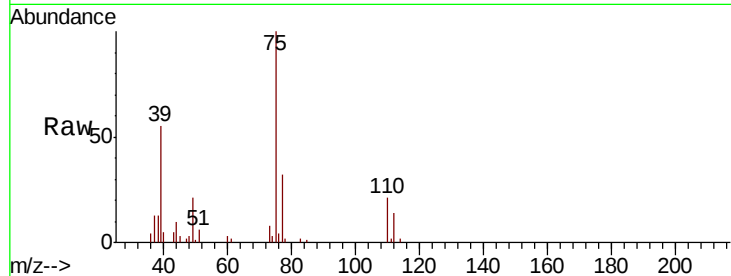
Tot Ion: 75 Resp: 14425

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6

39 55.0 42.8 64.2



#52

1,1,2-Trichloroethane

Concen: 1.987 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Tgt Ion: 97 Resp: 6524

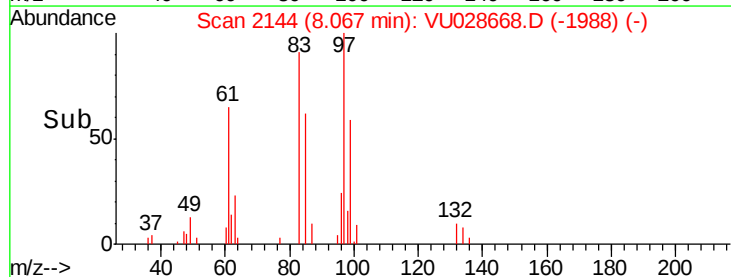
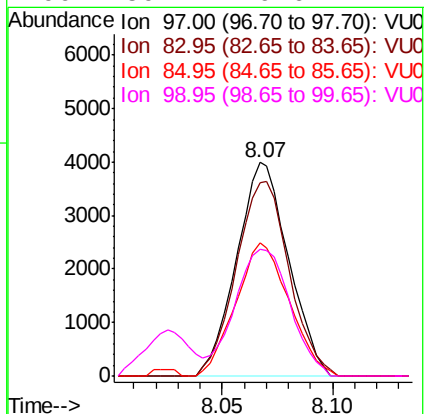
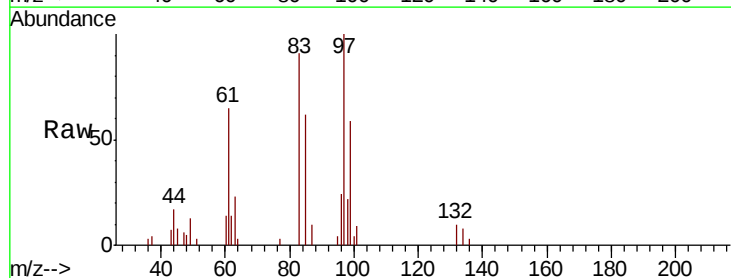
Ion Ratio Lower Upper

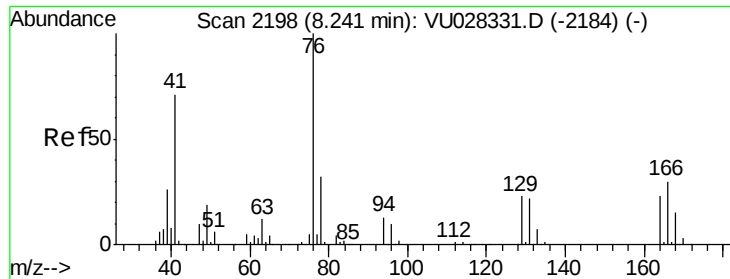
97 100

83 90.6 75.1 112.7

85 62.2 48.7 73.1

99 59.4 49.6 74.4

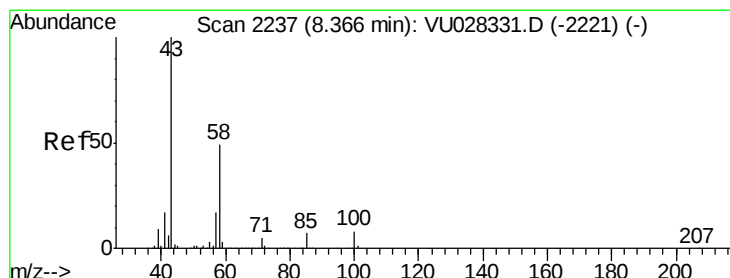
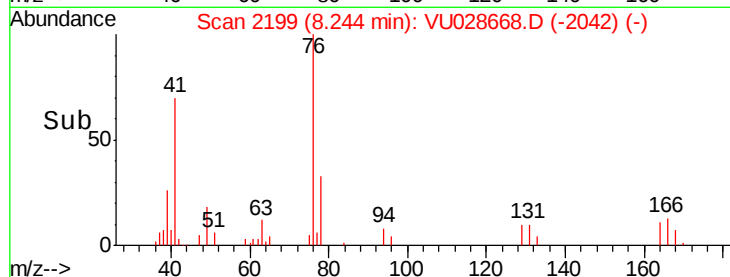
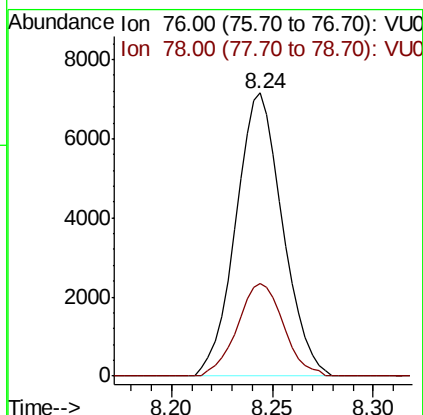
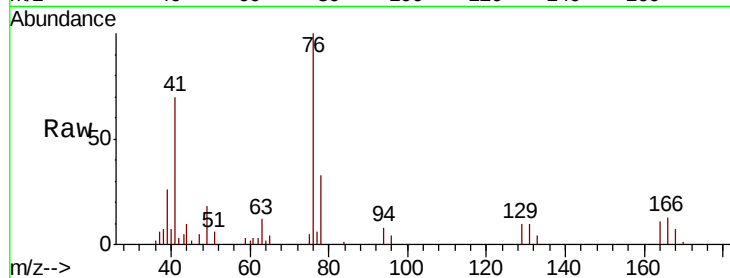




#53
 1,3-Dichloropropane
 Concen: 1.893 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

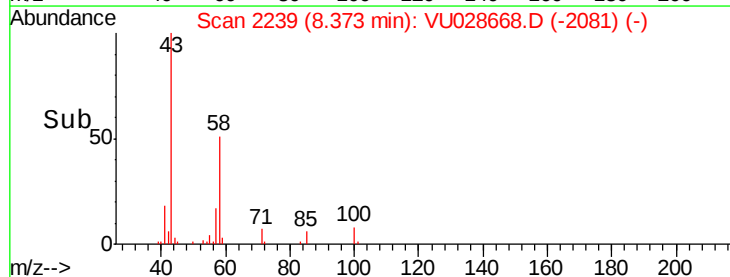
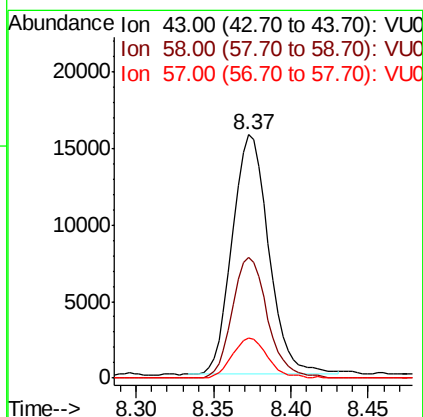
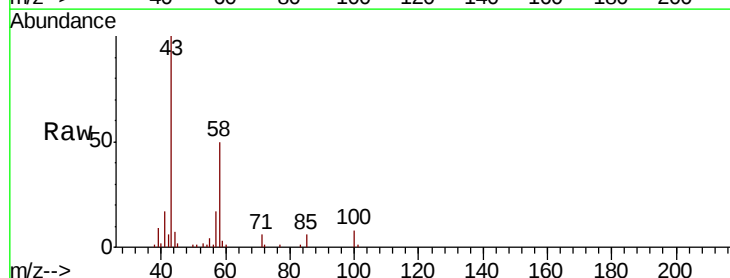
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

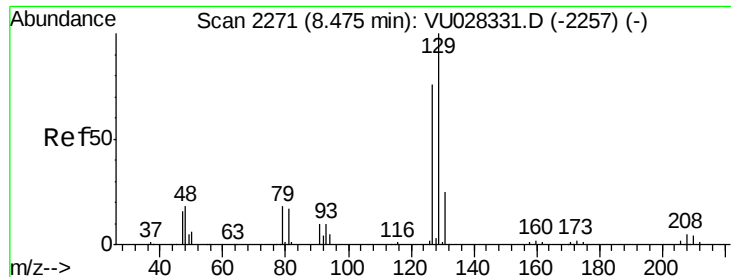
Tot Ion: 76 Resp: 11607
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0



#54
 2-Hexanone
 Concen: 9.533 ug/l
 RT: 8.37 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion: 43 Resp: 25756
 Ion Ratio Lower Upper
 43 100
 58 48.4 29.3 69.3
 57 16.0 0.0 36.8





#55

Dibromochloromethane

Concen: 2.046 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

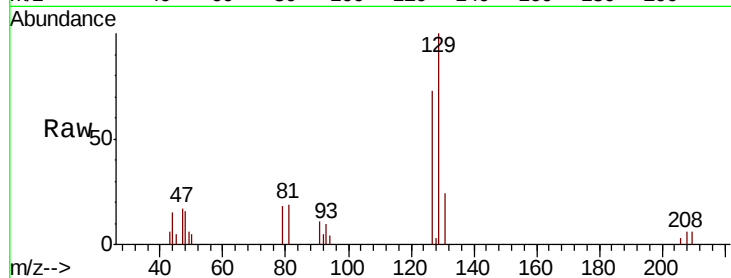
VU1214WBS01

Tot Ion:129 Resp: 7146

Ion Ratio Lower Upper

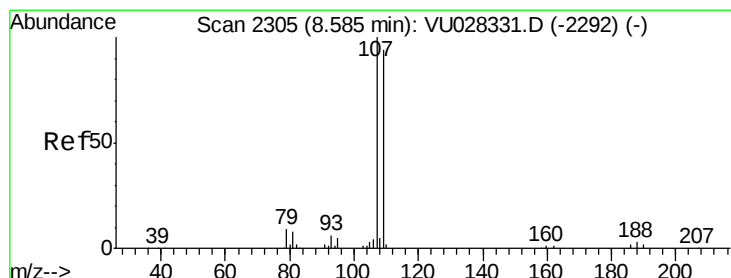
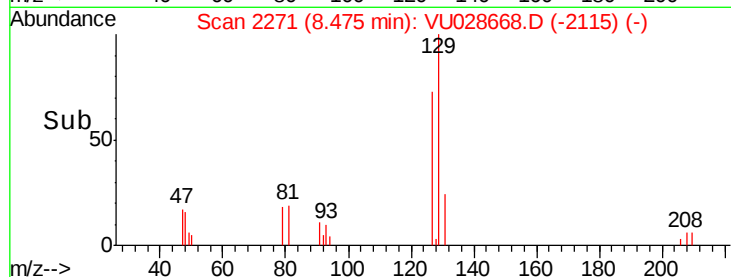
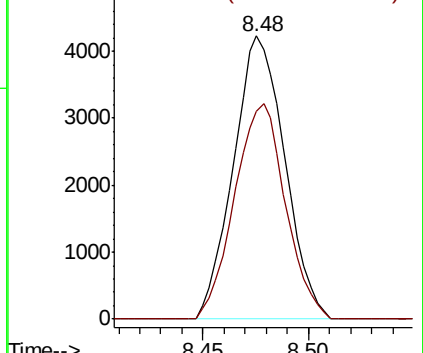
129 100

127 75.4 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: 2.079 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028668.D

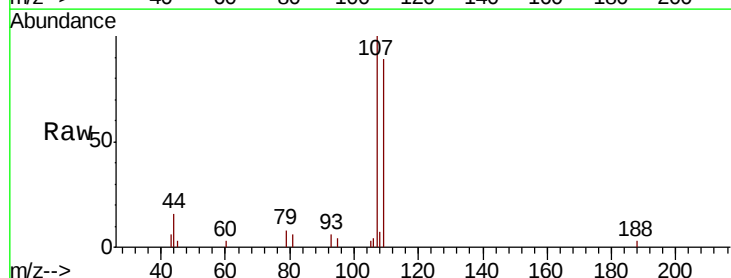
Acq: 13 Dec 2018 10:19

Tgt Ion:107 Resp: 6217

Ion Ratio Lower Upper

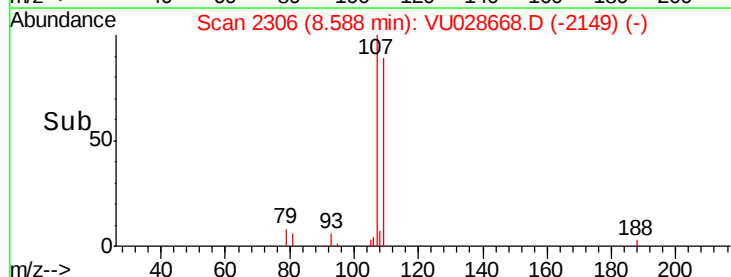
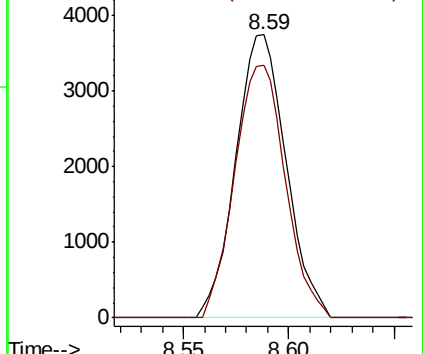
107 100

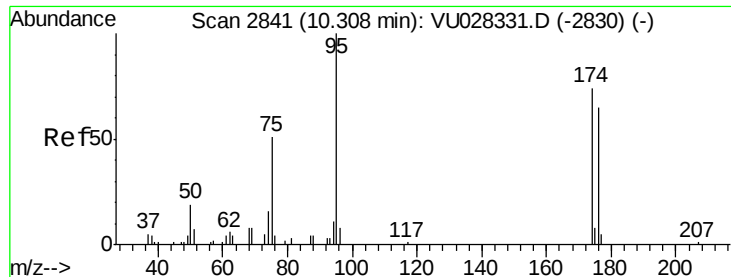
109 89.8 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

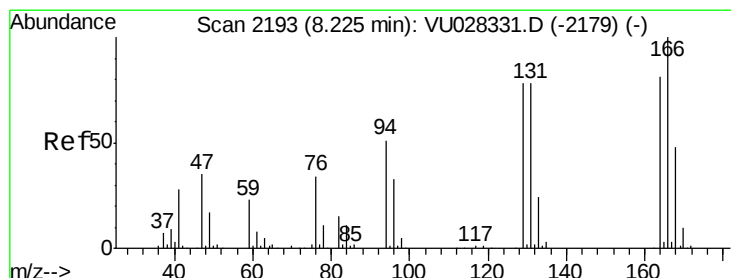
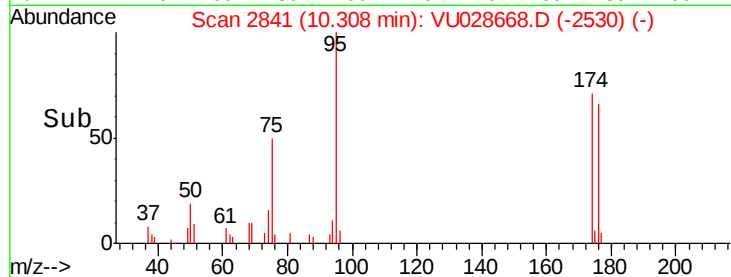
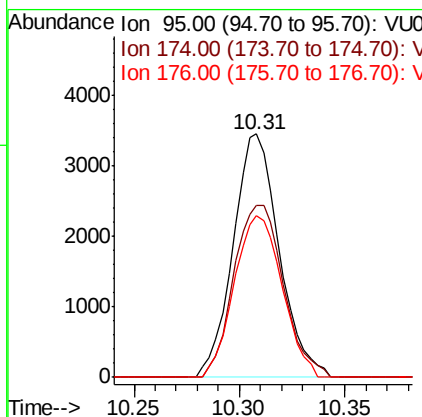
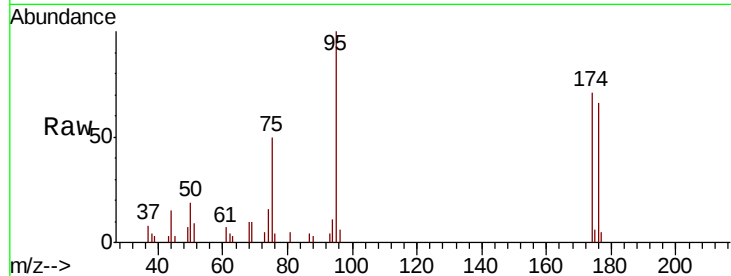




#57
4-Bromofluorobenzene
Concen: 2.079 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

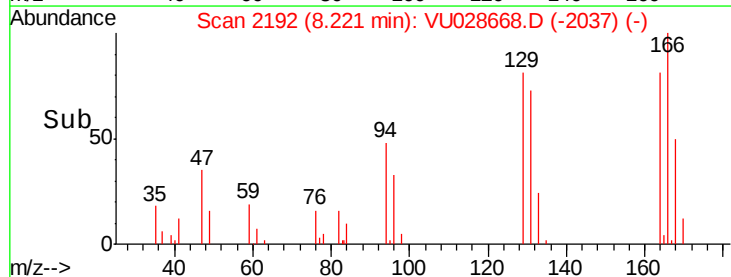
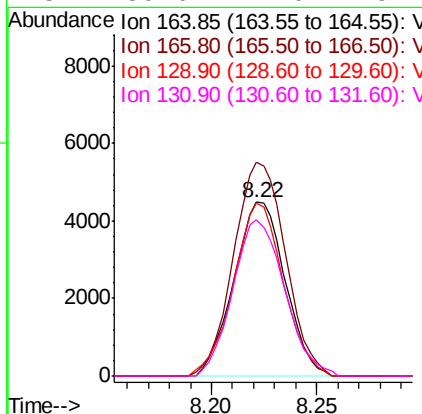
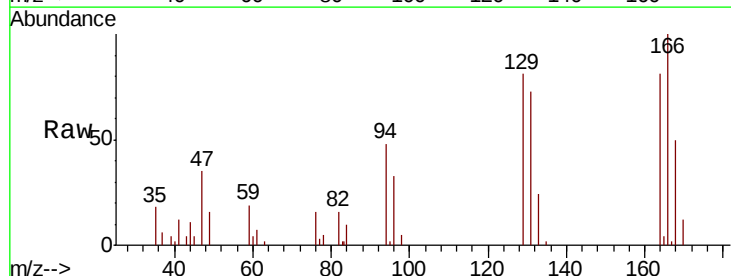
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

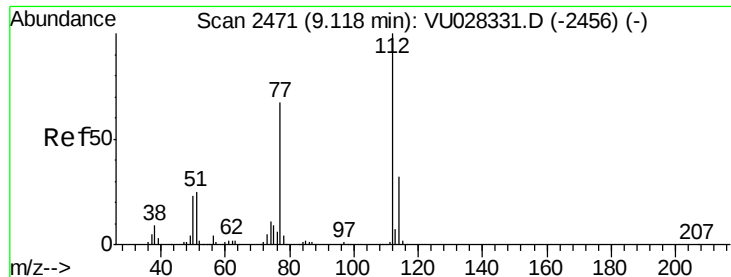
Tot Ion: 95 Resp: 5231
Ion Ratio Lower Upper
95 100
174 76.3 59.3 88.9
176 69.0 54.3 81.5



#58
Tetrachloroethene
Concen: 1.968 ug/l
RT: 8.22 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion: 164 Resp: 7560
Ion Ratio Lower Upper
164 100
166 122.9 98.6 148.0
129 99.5 77.0 115.4
131 89.6 77.0 115.4

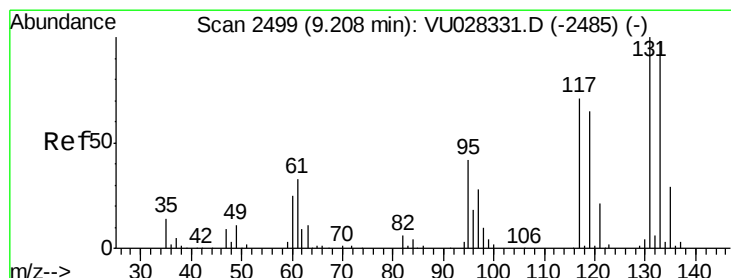
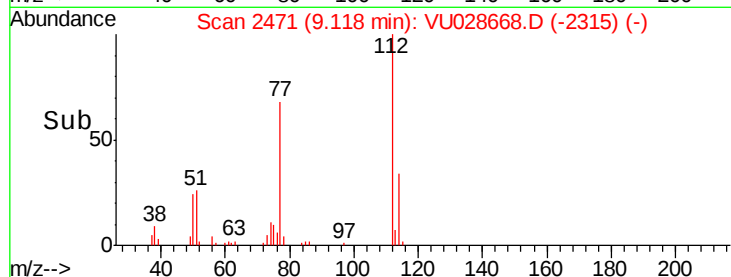
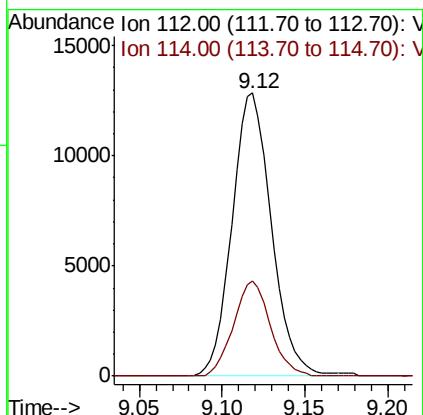
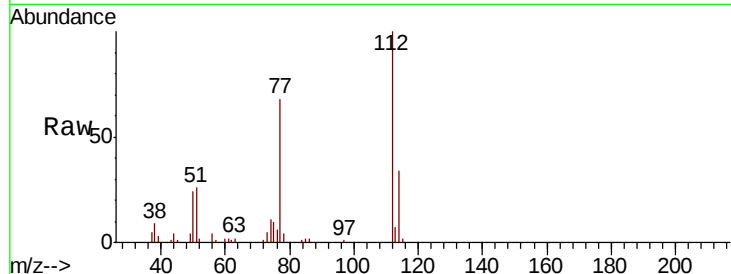




#59
Chlorobenzene
Concen: 1.907 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

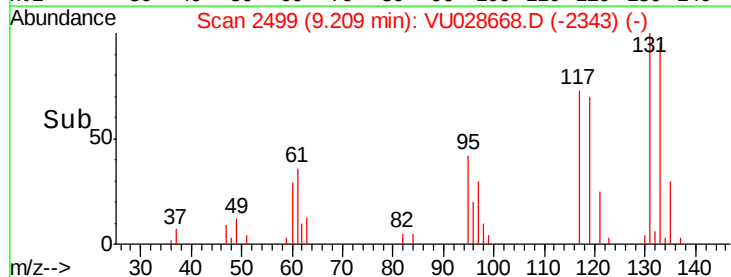
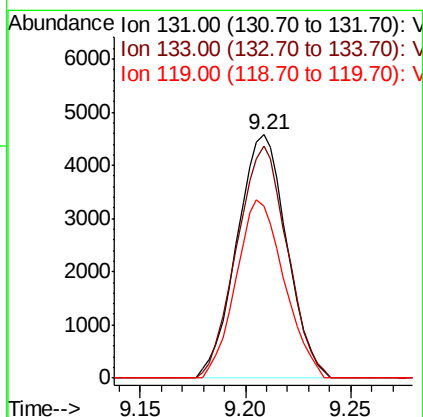
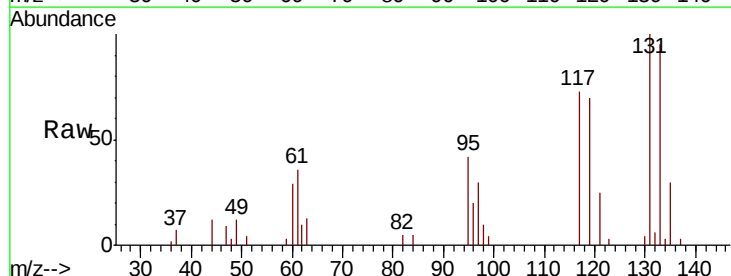
Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

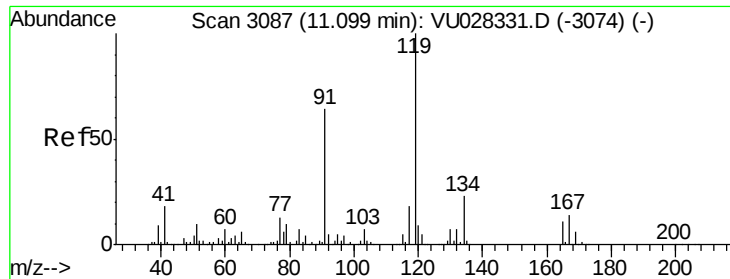
Tot Ion:112 Resp: 21228
Ion Ratio Lower Upper
112 100
114 33.9 25.2 37.8



#60
1,1,1,2-Tetrachloroethane
Concen: 2.000 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion:131 Resp: 7545
Ion Ratio Lower Upper
131 100
133 96.0 77.7 116.5
119 70.4 54.3 81.5





#61

Pentachloroethane

Concen: 2.108 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

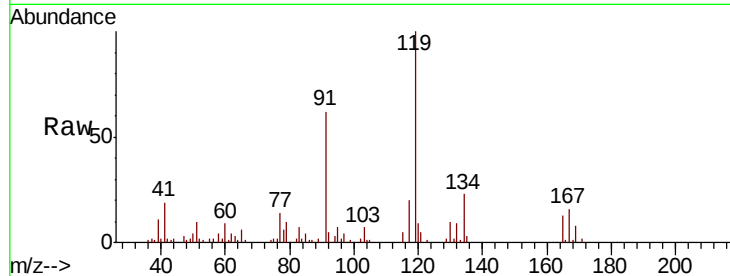
VU1214WBS01

Tot Ion:117 Resp: 6187

Ion Ratio Lower Upper

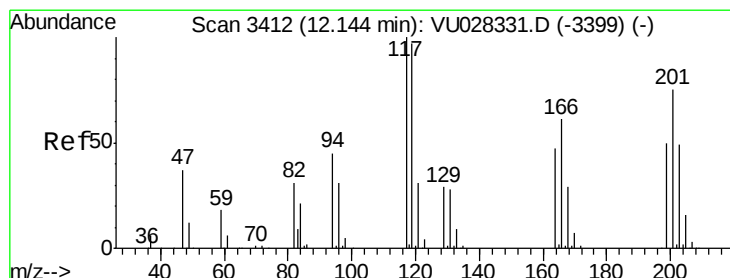
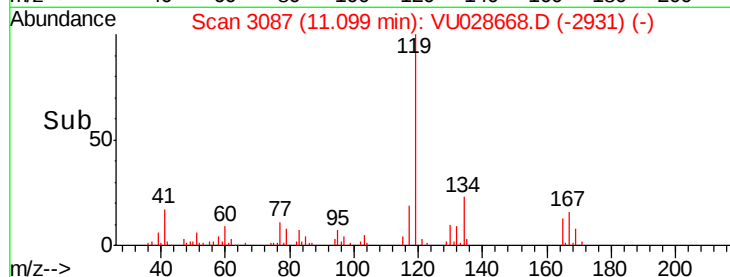
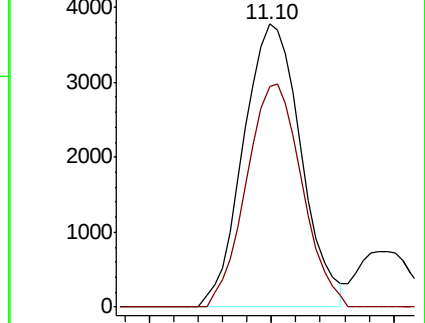
117 100

167 75.9 64.2 96.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 2.204 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028668.D

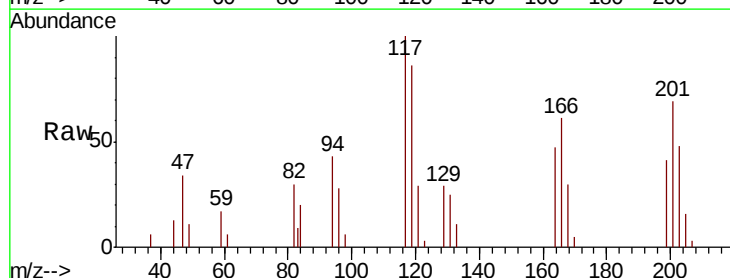
Acq: 13 Dec 2018 10:19

Tgt Ion:117 Resp: 6063

Ion Ratio Lower Upper

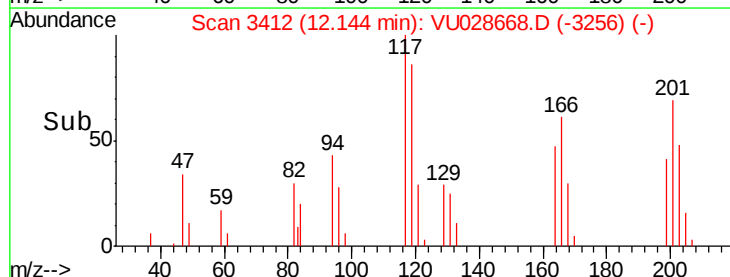
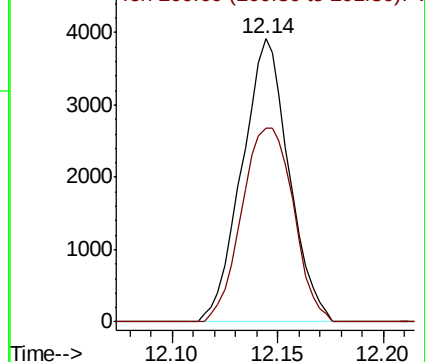
117 100

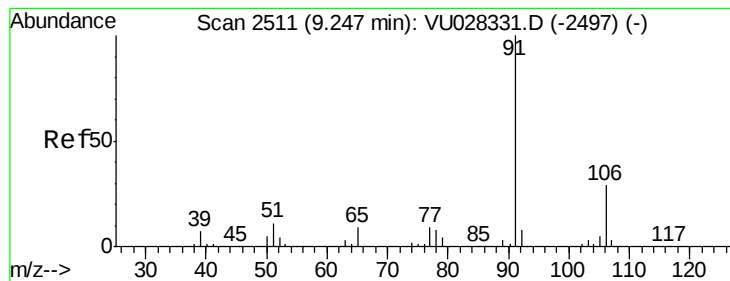
201 75.5 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 1.840 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

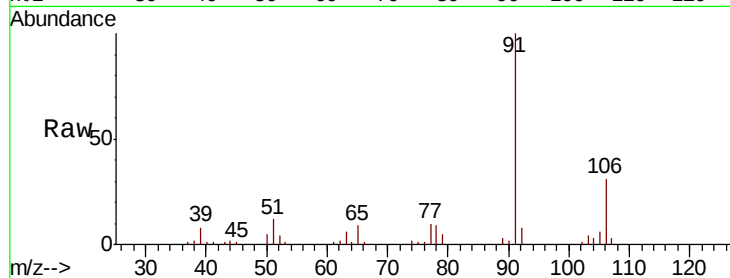
VU1214WBS01

Tot Ion: 91 Resp: 37784

Ion Ratio Lower Upper

91 100

106 30.6 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VU028331.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028331.D (-2497) (-)

25000

20000

15000

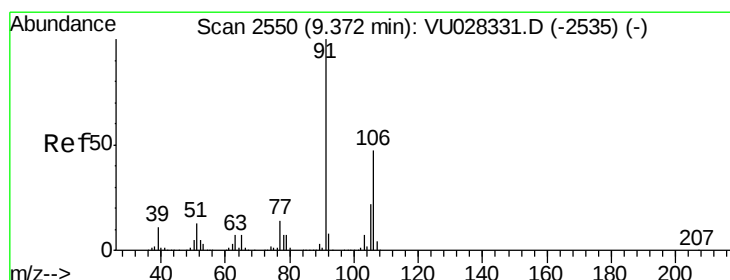
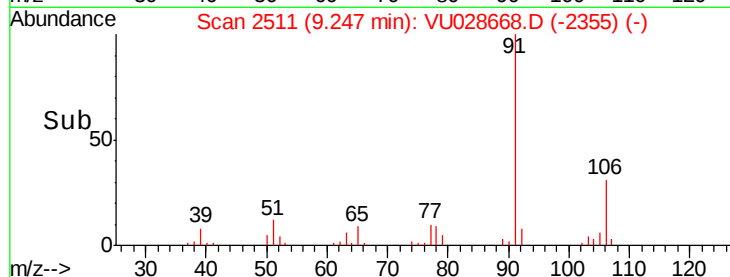
10000

5000

0

9.20 9.25 9.30

Time-->



#64

m/p-Xylenes

Concen: 3.770 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028668.D

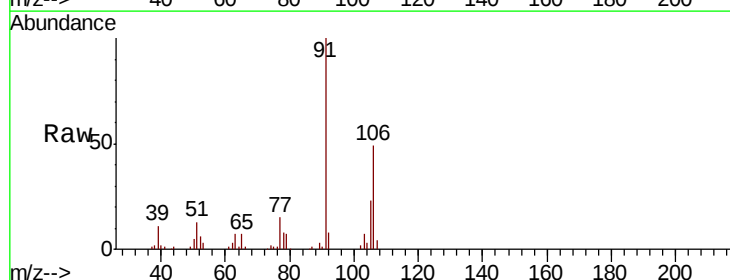
Acq: 13 Dec 2018 10:19

Tgt Ion: 106 Resp: 28021

Ion Ratio Lower Upper

106 100

91 214.7 170.6 256.0



Abundance Ion 106.00 (105.70 to 106.70): VU028331.D (-2535) (-)

Ion 91.00 (90.70 to 91.70): VU028331.D (-2535) (-)

40000

30000

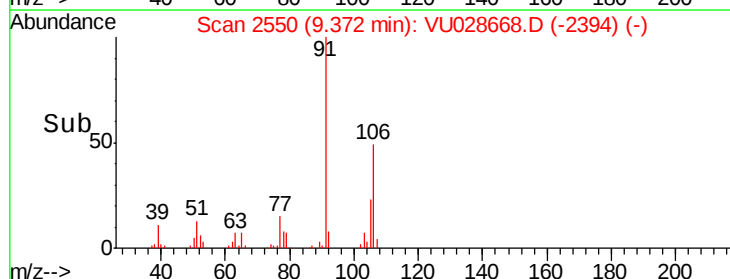
20000

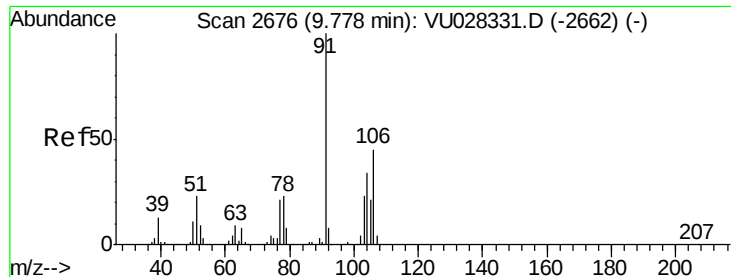
10000

0

9.30 9.35 9.40 9.45

Time-->

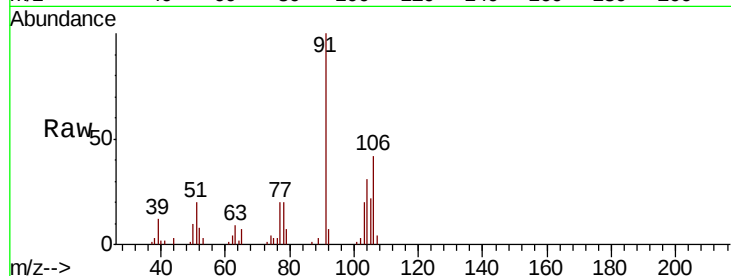




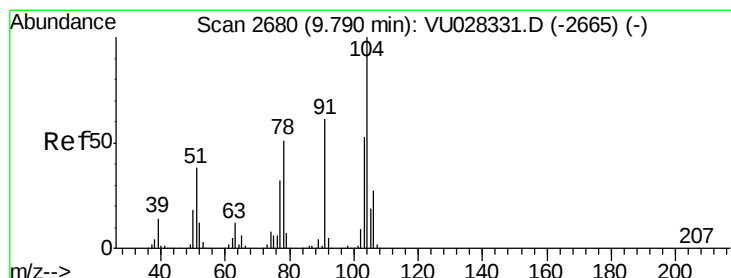
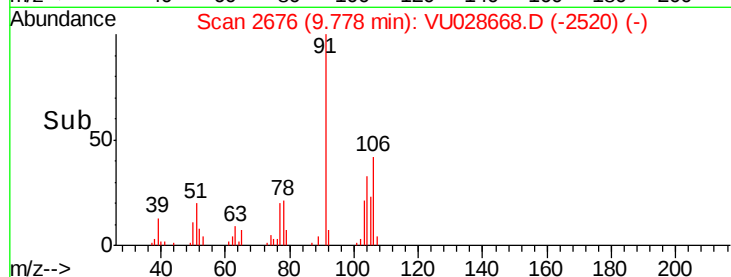
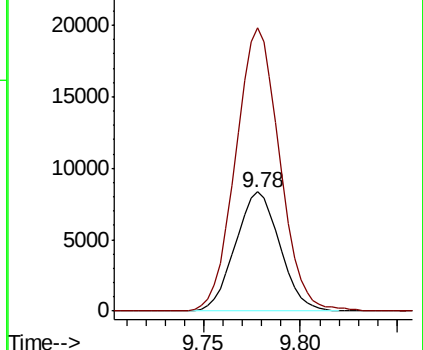
#65
o-Xylene
Concen: 1.862 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion:106 Resp: 13356
Ion Ratio Lower Upper
106 100
91 234.1 112.3 337.0

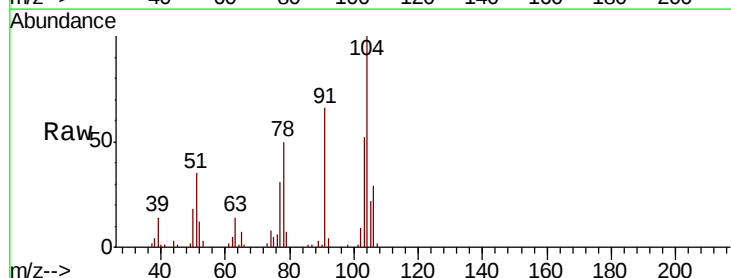


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

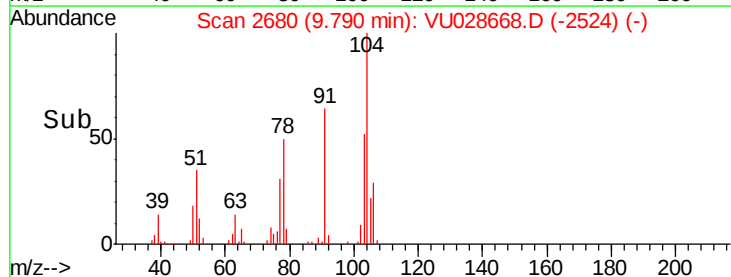
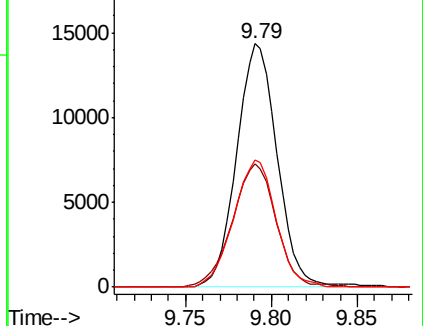


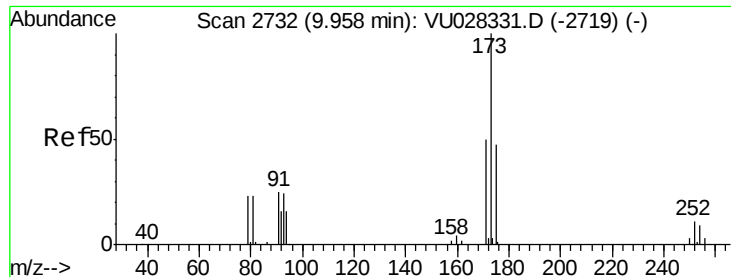
#66
Styrene
Concen: 1.905 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion:104 Resp: 23437
Ion Ratio Lower Upper
104 100
78 55.0 44.0 66.0
103 54.7 45.2 67.8



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

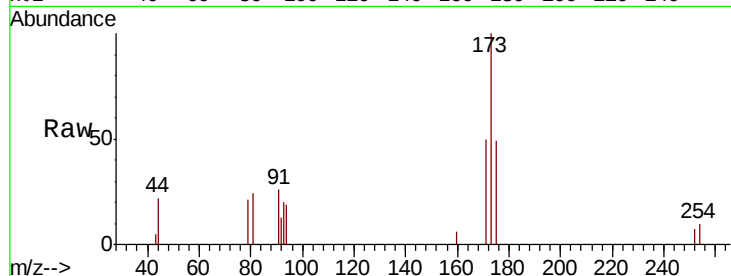




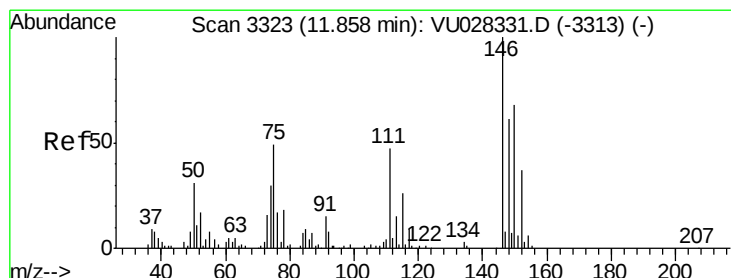
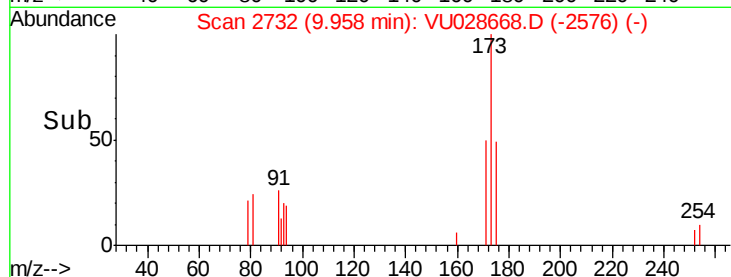
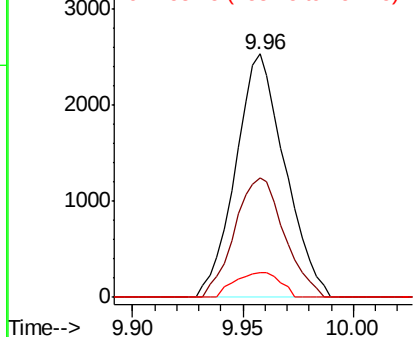
#67
Bromoform
Concen: 2.011 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Instrument :
MSVOA_U
ClientSampleId :
VU1214WBS01

Tot Ion:173 Resp: 3936
Ion Ratio Lower Upper
173 100
175 49.3 39.0 58.6
254 9.2 6.8 10.2

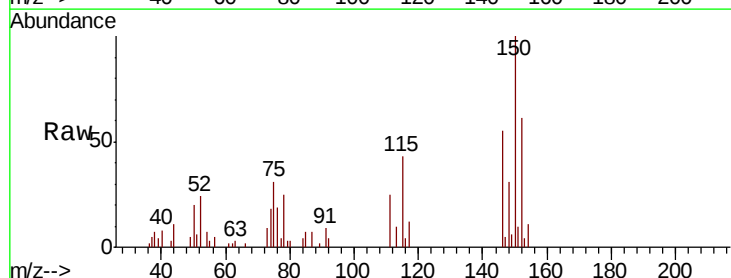


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

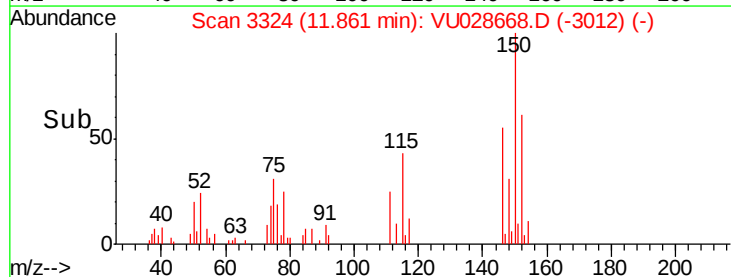
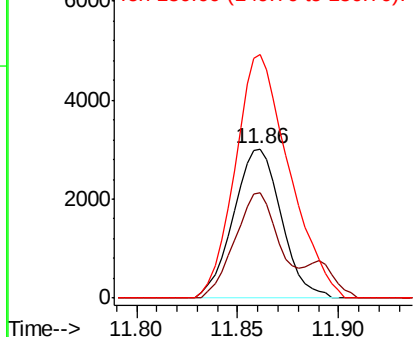


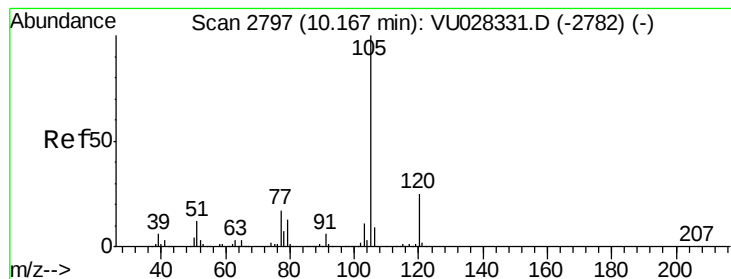
#68
1,2-Dichlorobenzene-d4
Concen: 2.011 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. 0.00 min
Lab File: VU028668.D
Acq: 13 Dec 2018 10:19

Tgt Ion:152 Resp: 4999
Ion Ratio Lower Upper
152 100
115 65.9 0.0 146.8
150 183.9 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: 1.922 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

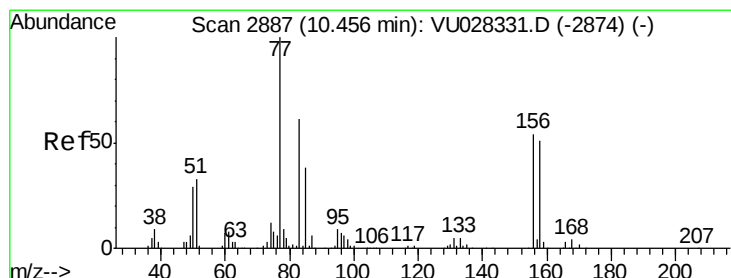
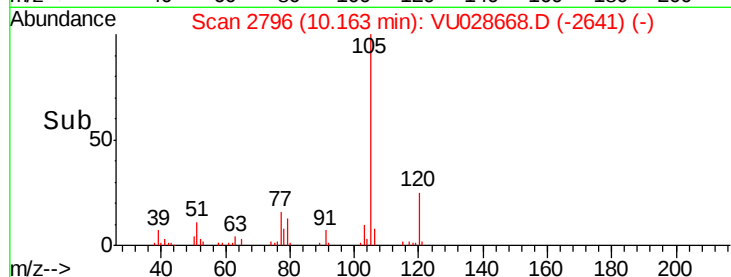
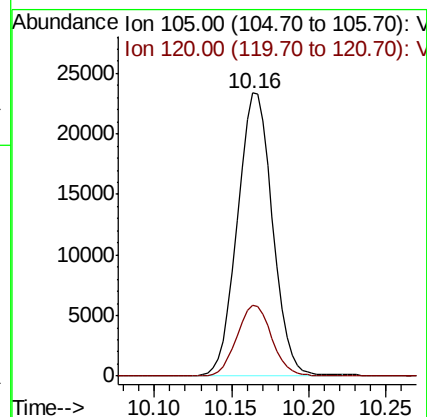
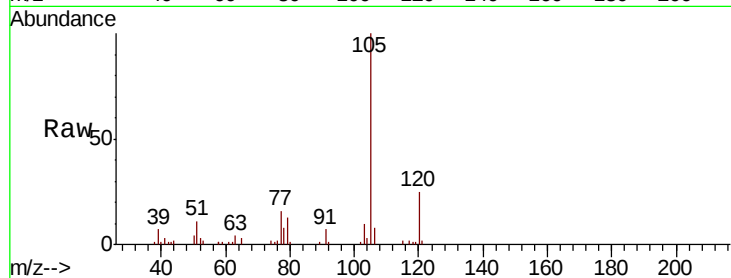
VU1214WBS01

Tot Ion:105 Resp: 36918

Ion Ratio Lower Upper

105 100

120 24.7 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 2.109 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

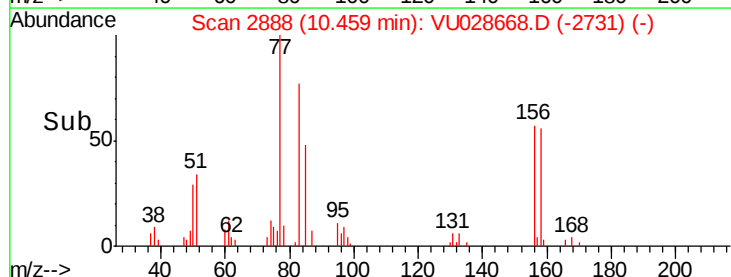
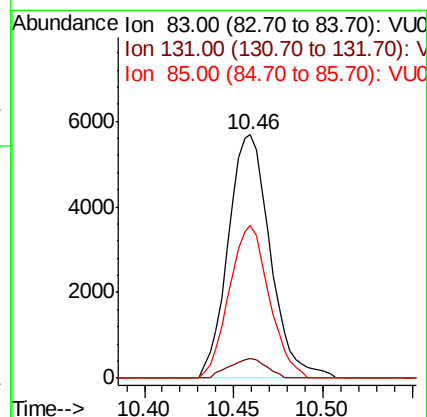
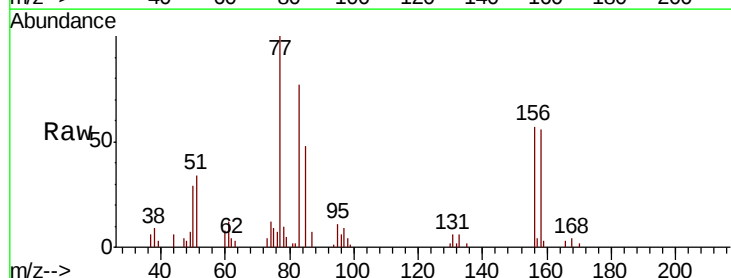
Tgt Ion: 83 Resp: 9285

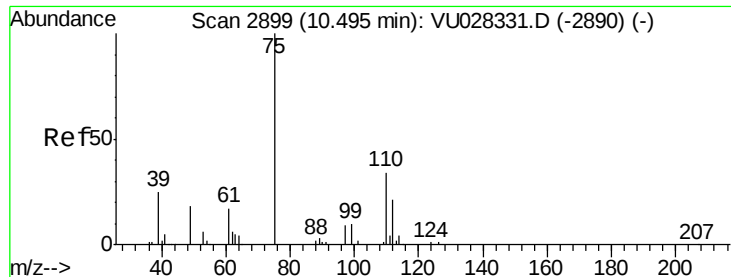
Ion Ratio Lower Upper

83 100

131 7.2 6.6 9.8

85 59.7 50.5 75.7

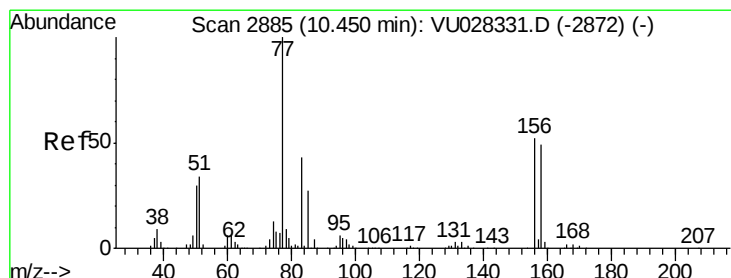
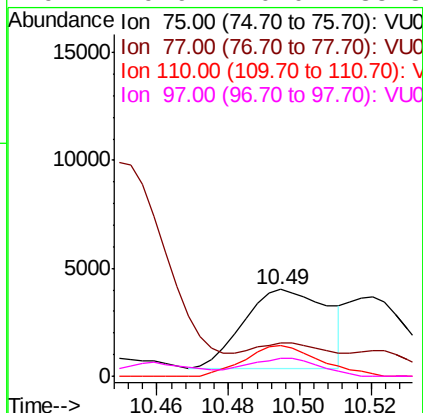
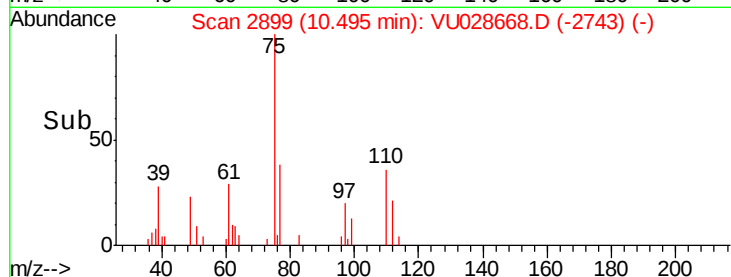
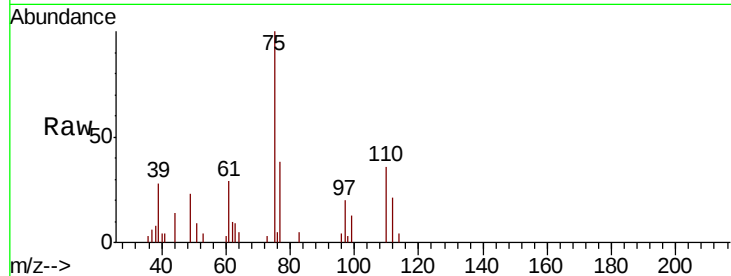




#71
 1,2,3-Trichloropropane
 Concen: 1.959 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

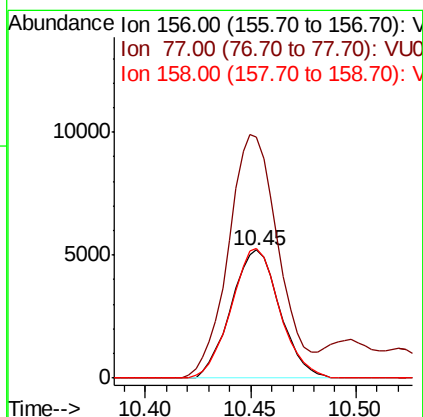
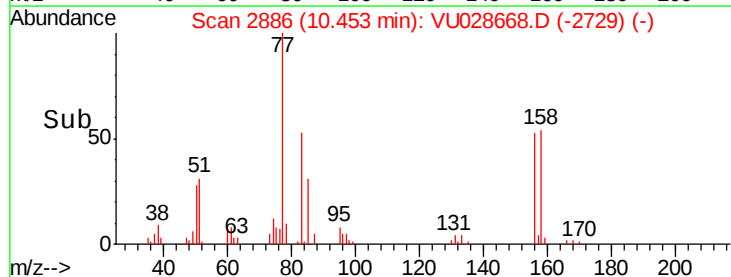
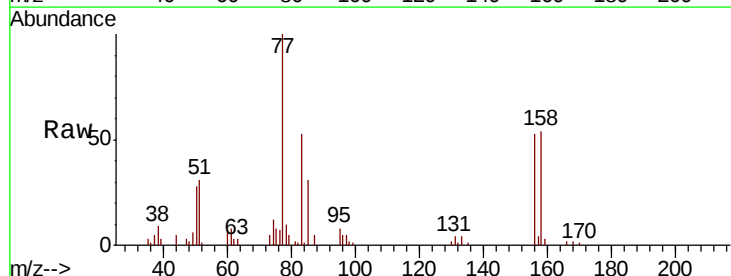
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1214WBS01

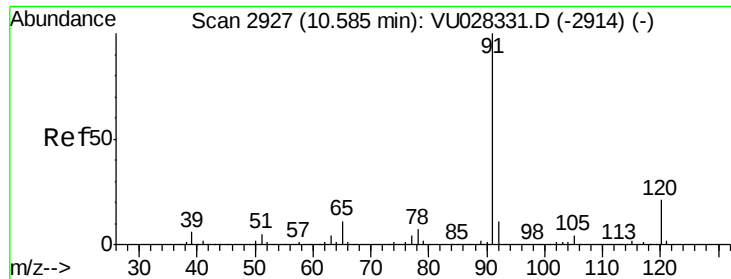
Tot Ion	Ratio	Lower	Upper
75	100		
77	13.4	0.0	0.0#
110	34.5	0.0	67.6
97	19.9	0.0	35.8



#72
 Bromobenzene
 Concen: 1.961 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU028668.D
 Acq: 13 Dec 2018 10:19

Tgt Ion	Ratio	Lower	Upper
156	100		
77	196.7	0.0	380.4
158	100.3	0.0	191.2





#73

n-propylbenzene

Concen: 1.938 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

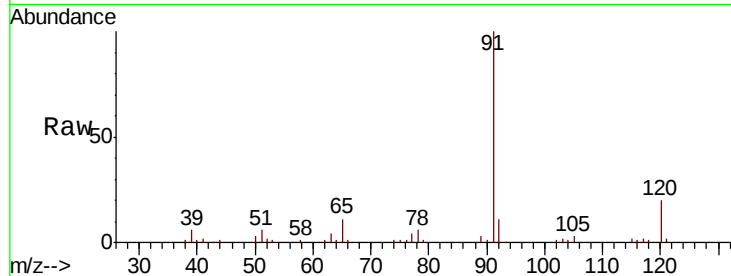
VU1214WBS01

Tot Ion:120 Resp: 9654

Ion Ratio Lower Upper

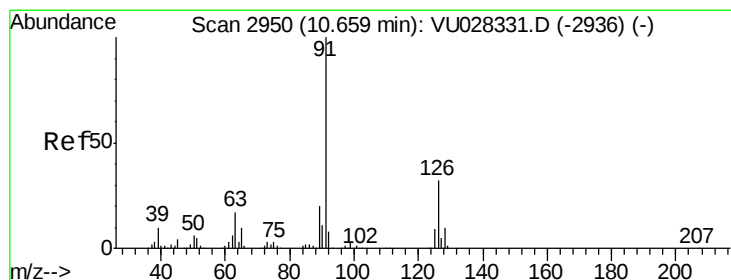
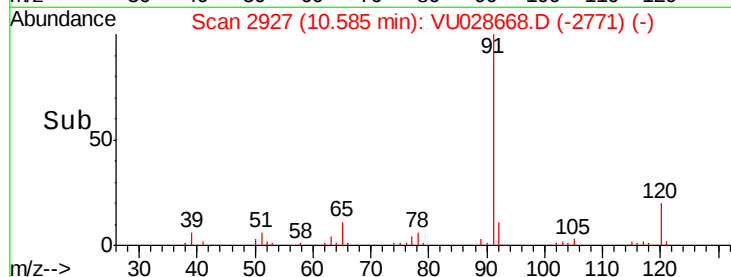
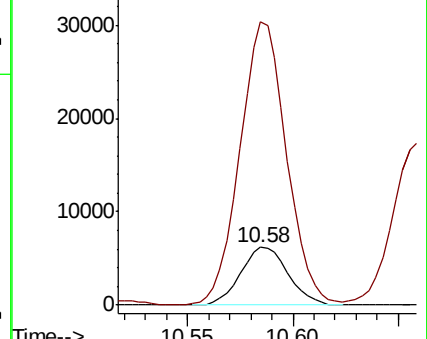
120 100

91 482.4 388.1 582.1



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.992 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028668.D

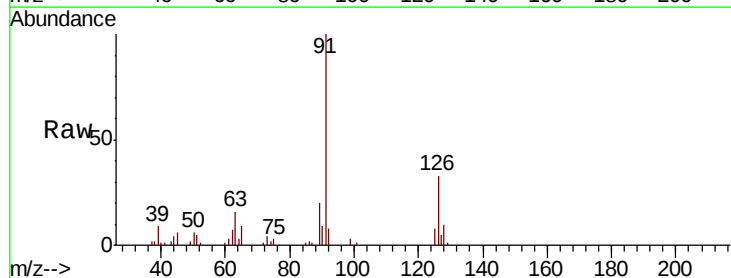
Acq: 13 Dec 2018 10:19

Tgt Ion:126 Resp: 8695

Ion Ratio Lower Upper

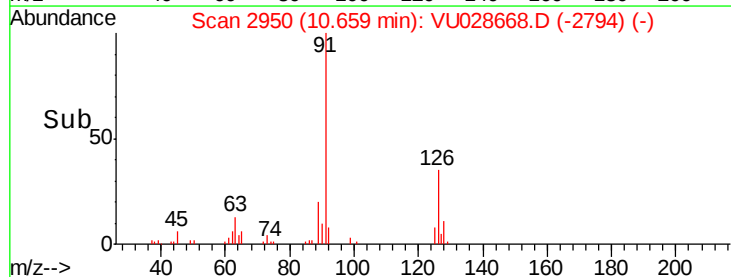
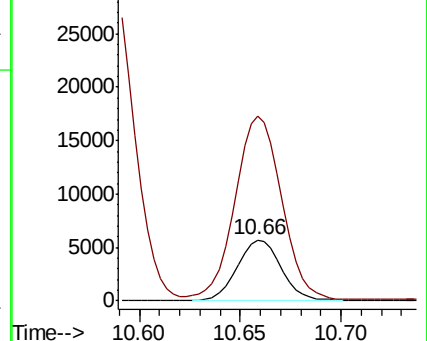
126 100

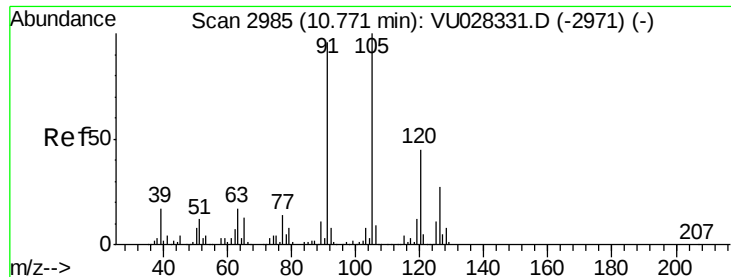
91 317.6 0.0 661.0



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: 1.953 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

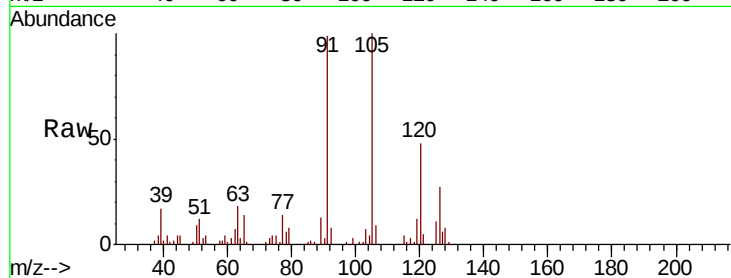
VU1214WBS01

Tot Ion:105 Resp: 31562

Ion Ratio Lower Upper

105 100

120 47.2 36.3 54.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

15000

10000

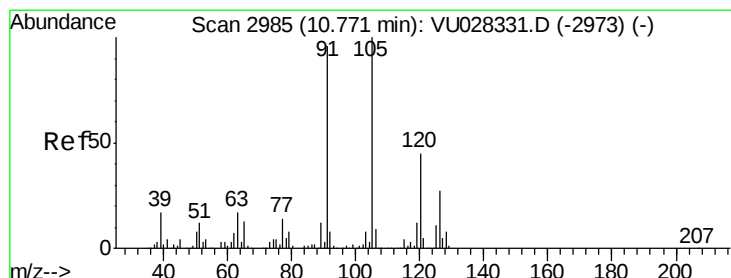
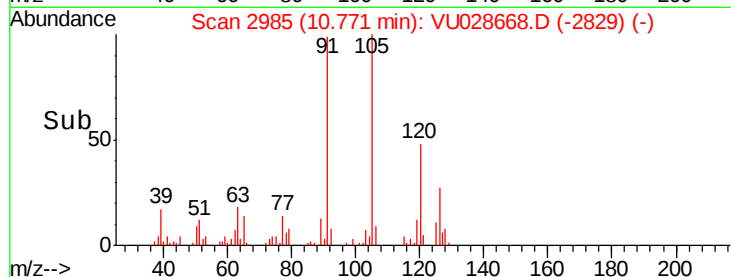
5000

0

10.77

10.75 10.77 10.80

Time-->



#76

4-Chlorotoluene

Concen: 1.974 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028668.D

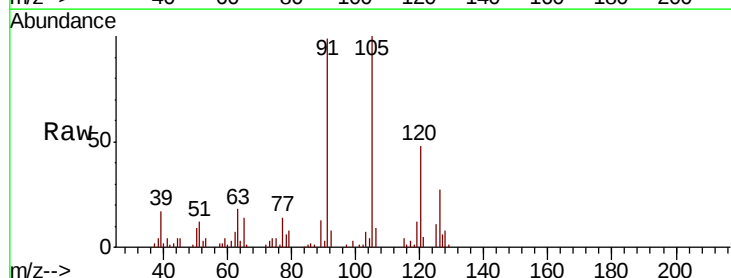
Acq: 13 Dec 2018 10:19

Tgt Ion:126 Resp: 8737

Ion Ratio Lower Upper

126 100

91 355.1 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

20000

15000

10000

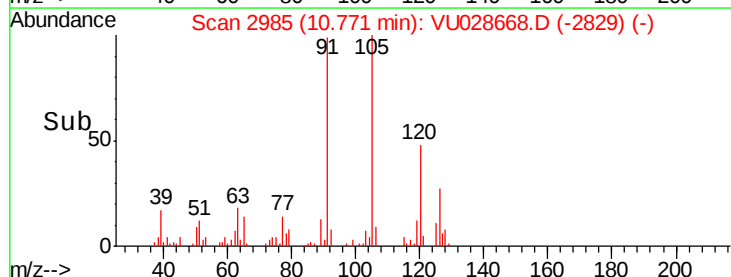
5000

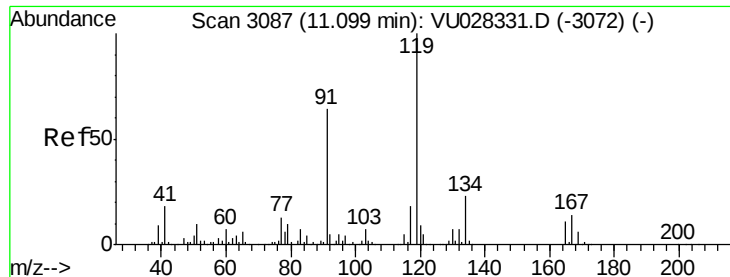
0

10.77

10.75 10.77 10.80

Time-->





#77

tert-Butylbenzene

Concen: 1.920 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

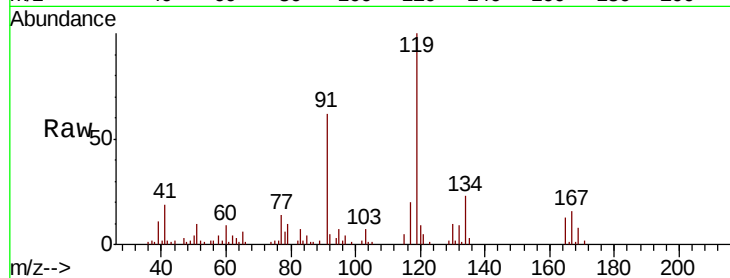
Tot Ion:119 Resp: 29215

Ion Ratio Lower Upper

119 100

91 63.2 32.0 96.0

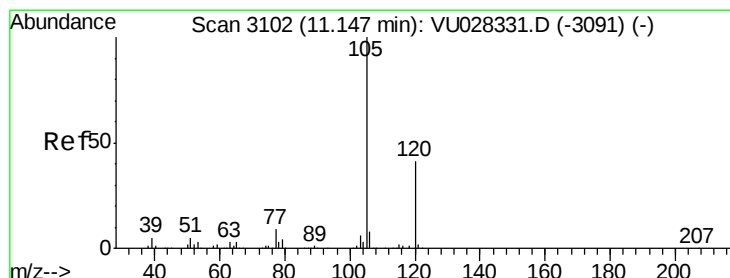
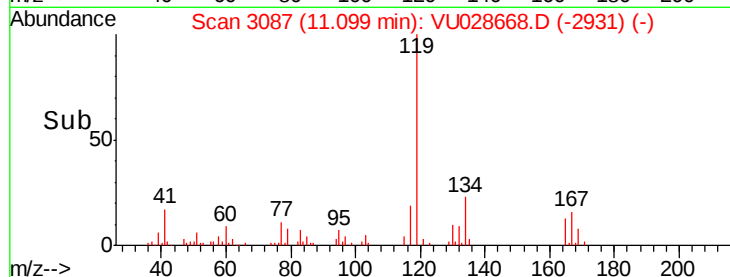
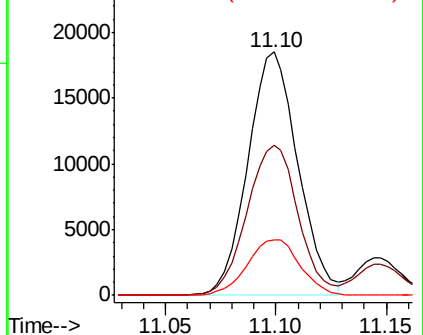
134 24.0 17.9 26.9



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: 1.893 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU028668.D

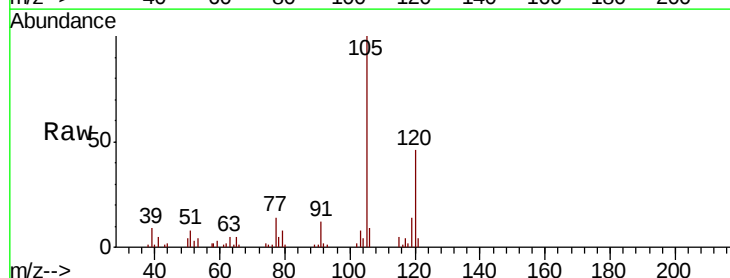
Acq: 13 Dec 2018 10:19

Tgt Ion:105 Resp: 31362

Ion Ratio Lower Upper

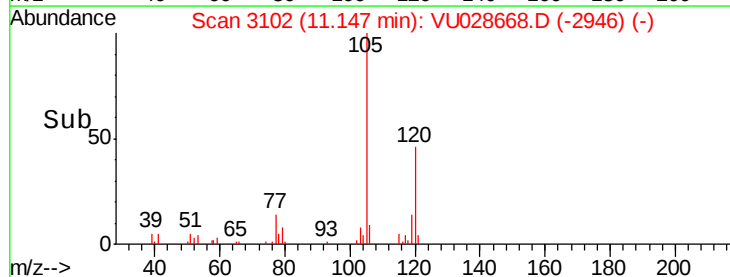
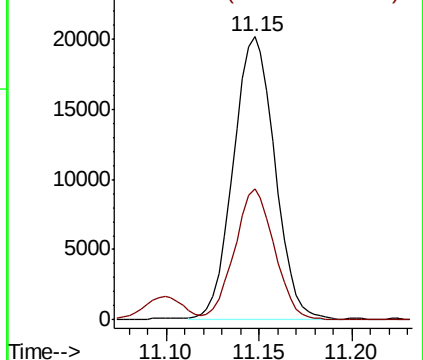
105 100

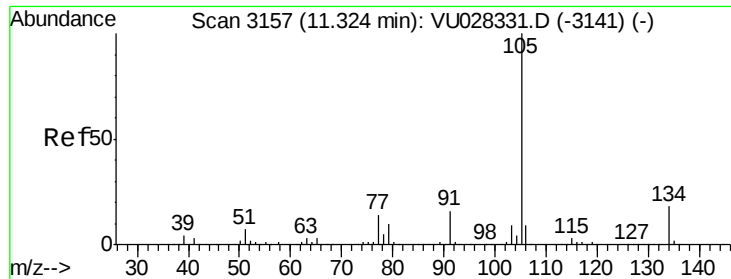
120 44.3 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.895 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

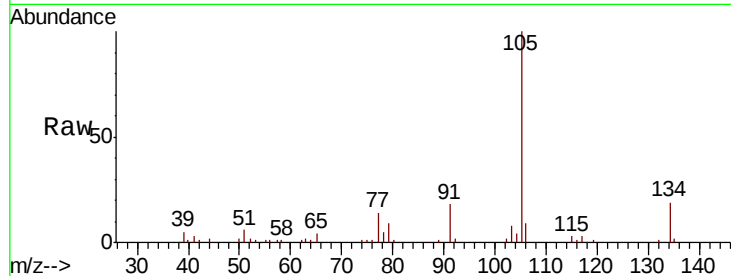
VU1214WBS01

Tot Ion: 105 Resp: 40198

Ion Ratio Lower Upper

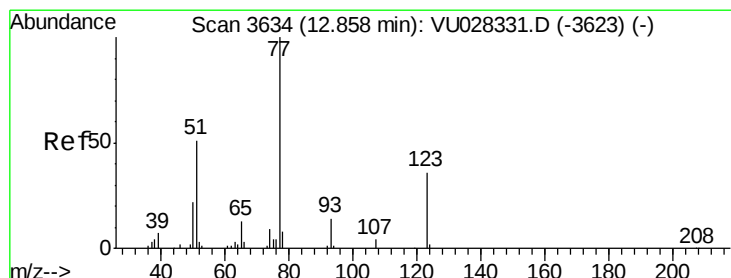
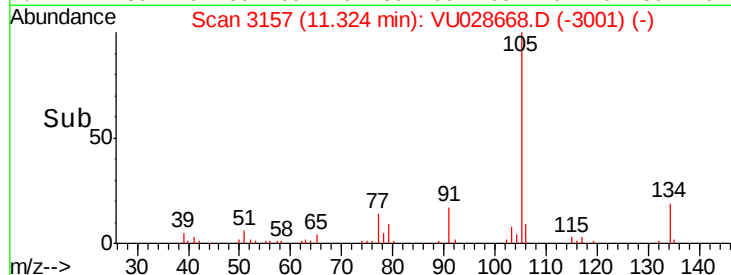
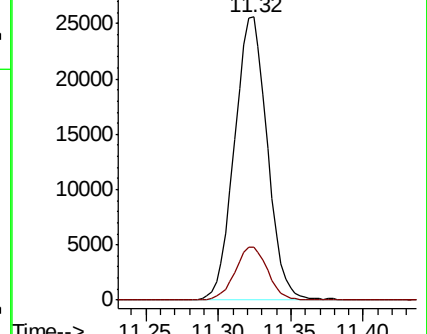
105 100

134 18.5 14.6 22.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 9.729 ug/l

RT: 12.86 min Scan# 3636

Delta R.T. 0.01 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

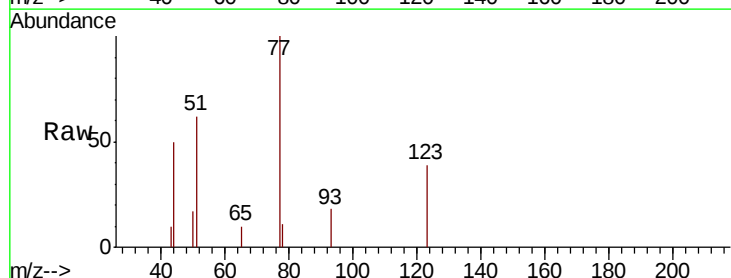
Tgt Ion: 77 Resp: 1930

Ion Ratio Lower Upper

77 100

123 32.5 16.5 58.3

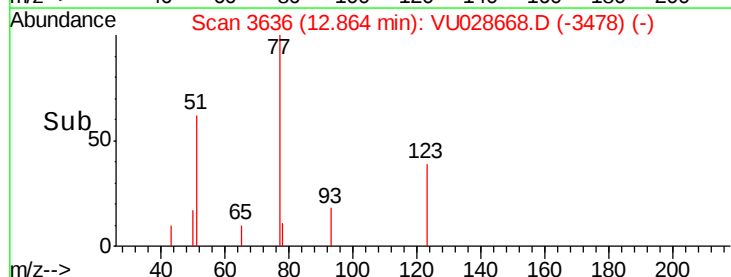
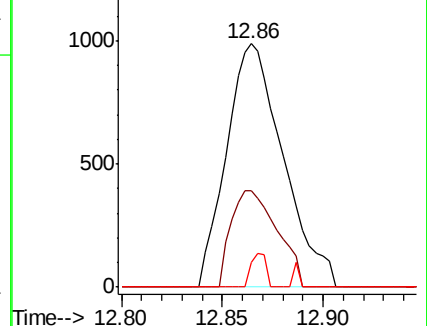
65 3.6 12.1 15.3#

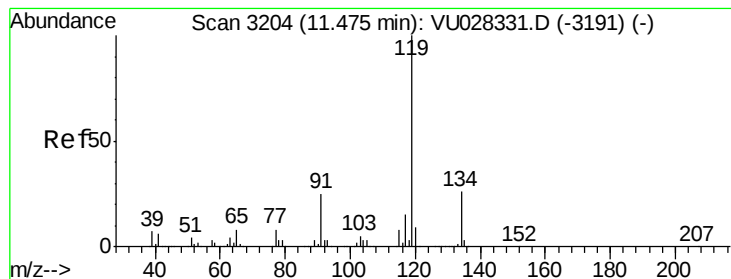


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 1.921 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

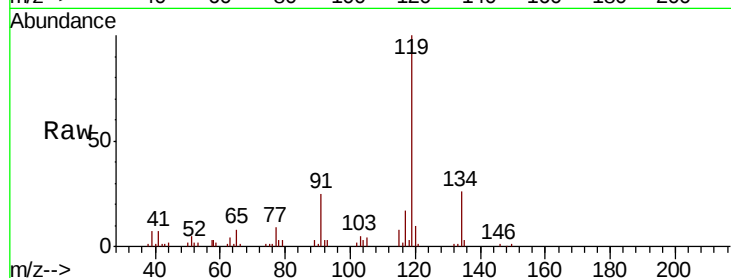
Tot Ion:119 Resp: 32385

Ion Ratio Lower Upper

119 100

134 25.1 20.3 30.5

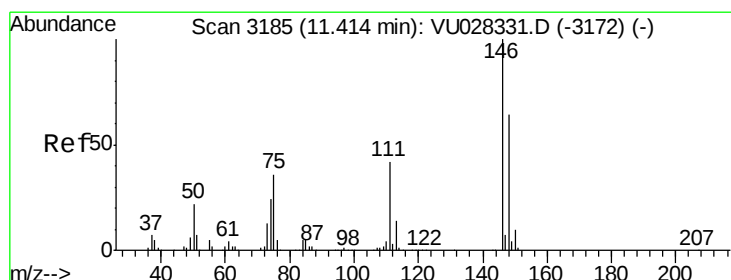
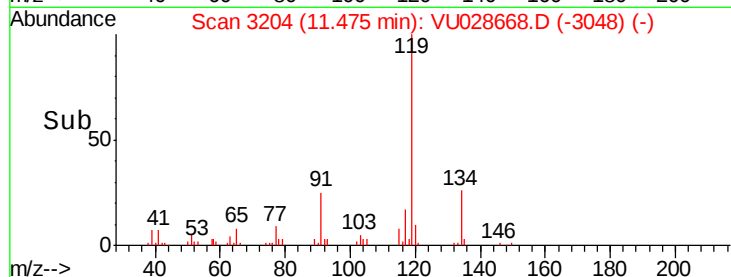
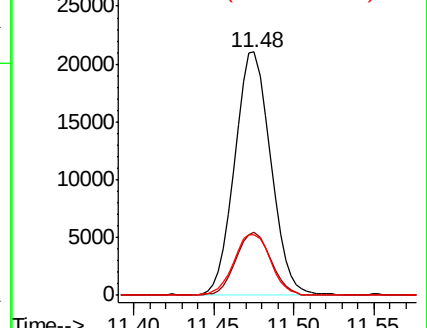
91 25.4 20.0 30.0



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: 2.007 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

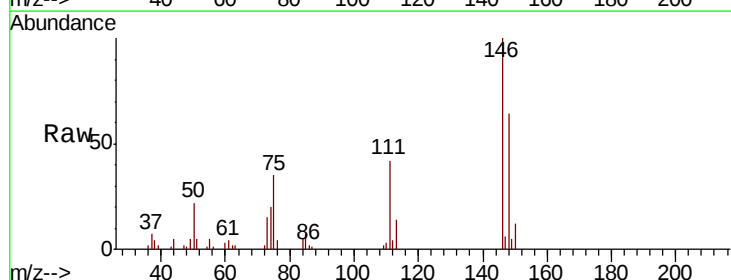
Tgt Ion:146 Resp: 17135

Ion Ratio Lower Upper

146 100

111 41.7 33.4 50.2

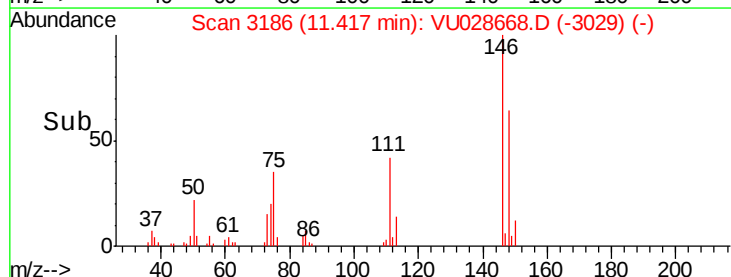
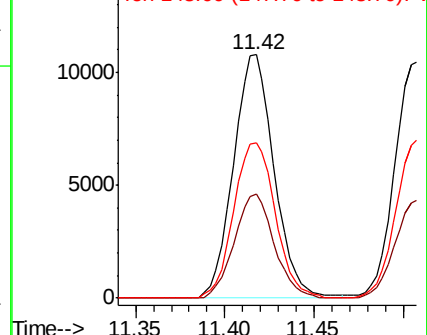
148 65.3 51.2 76.8

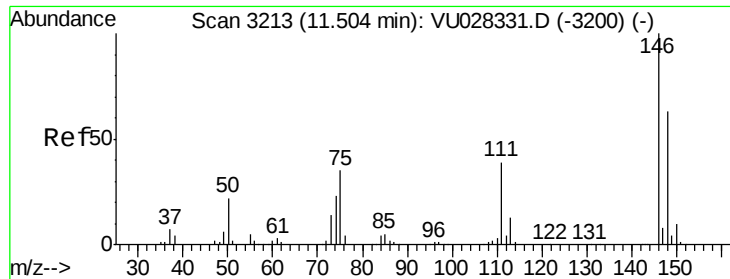


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83

1,4-Dichlorobenzene

Concen: 1.944 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

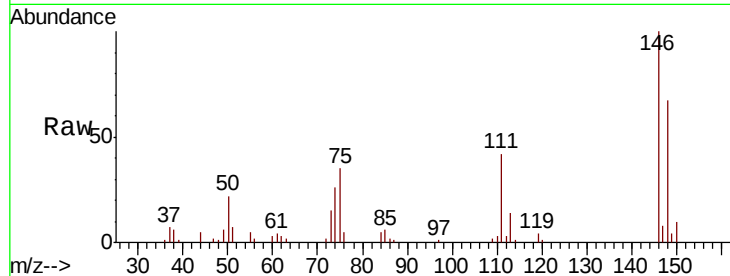
Tot Ion:146 Resp: 16523

Ion Ratio Lower Upper

146 100

111 40.3 31.4 47.2

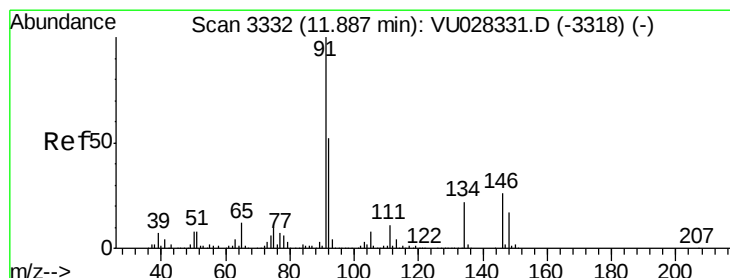
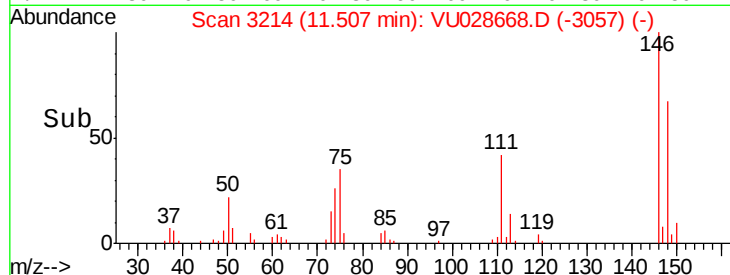
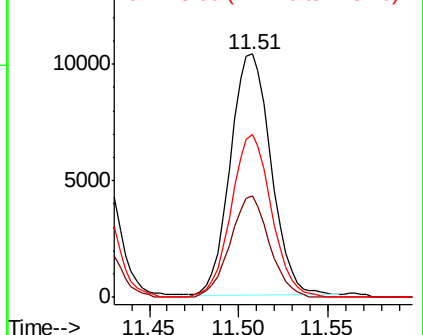
148 66.6 50.7 76.1



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: 1.829 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

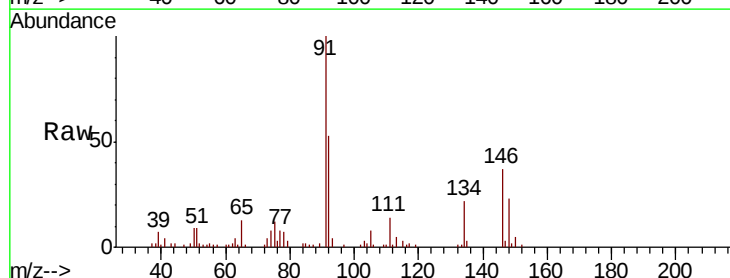
Tgt Ion: 91 Resp: 32370

Ion Ratio Lower Upper

91 100

92 52.7 41.6 62.4

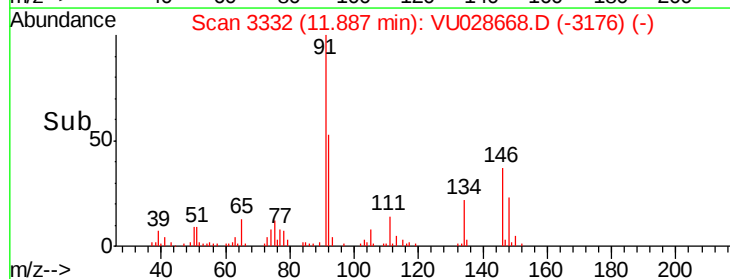
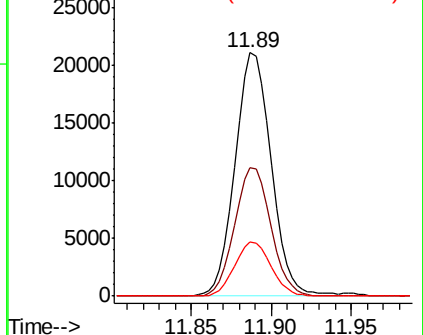
134 22.2 17.8 26.6

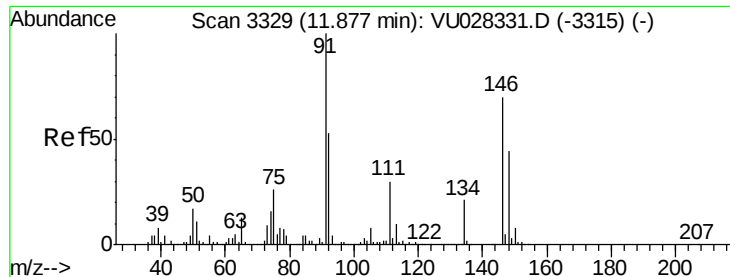


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 2.046 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

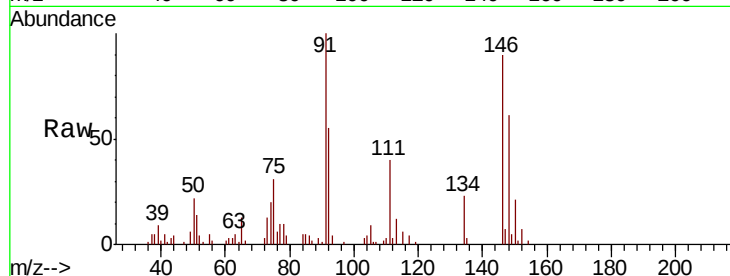
Tot Ion:146 Resp: 16632

Ion Ratio Lower Upper

146 100

111 41.6 21.4 64.3

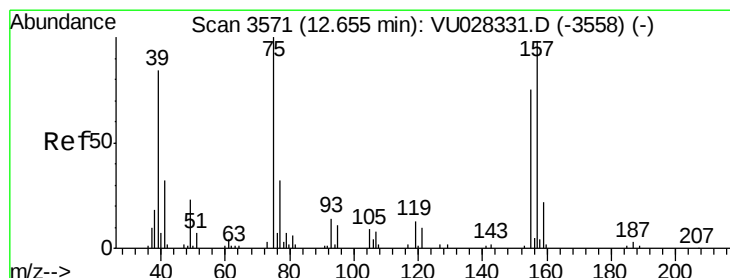
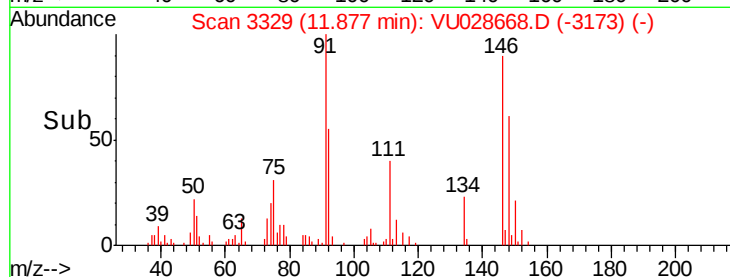
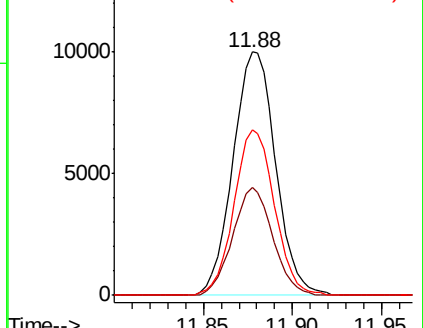
148 64.4 31.4 94.2



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: 1.948 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

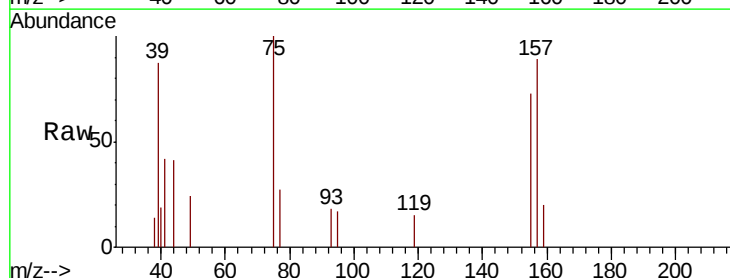
Tgt Ion: 75 Resp: 1380

Ion Ratio Lower Upper

75 100

155 72.0 57.0 85.4

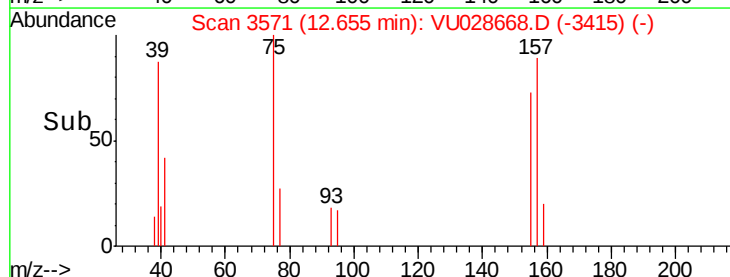
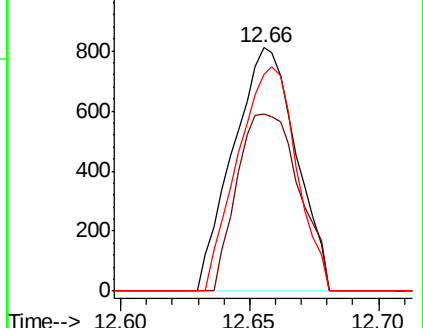
157 86.1 75.4 113.2

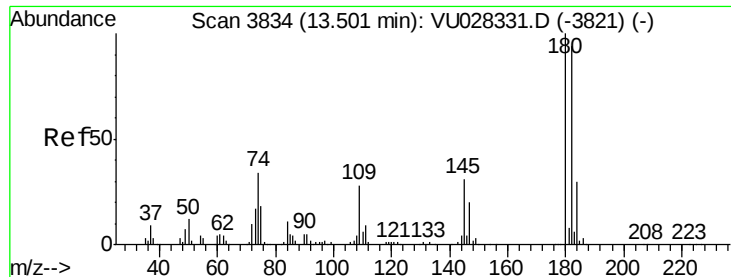


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#87

1,2,4-Trichlorobenzene

Concen: 1.802 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

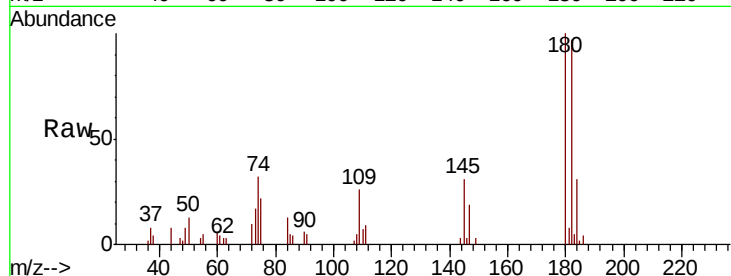
Tot Ion:180 Resp: 10295

Ion Ratio Lower Upper

180 100

182 96.6 75.6 113.4

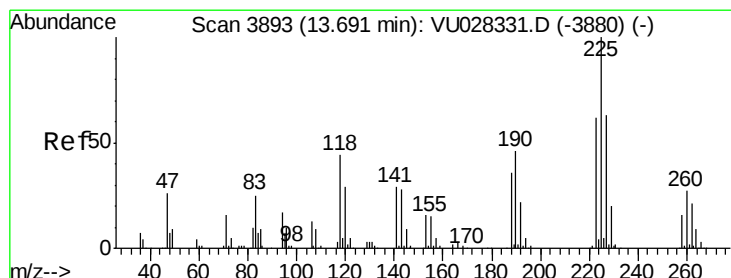
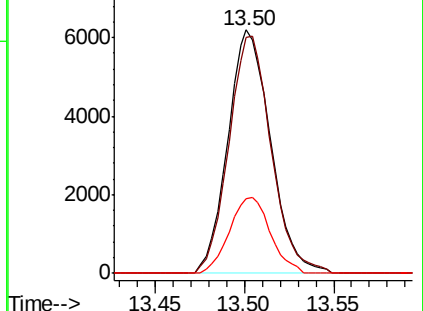
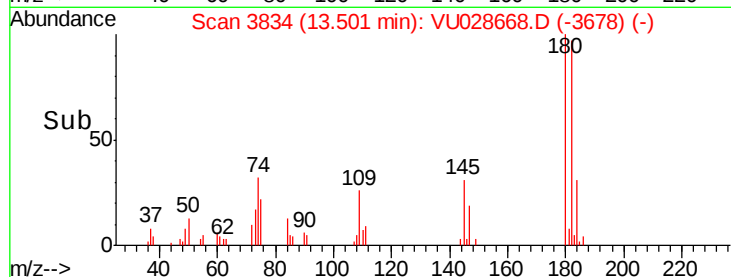
145 29.8 24.4 36.6



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: 2.145 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

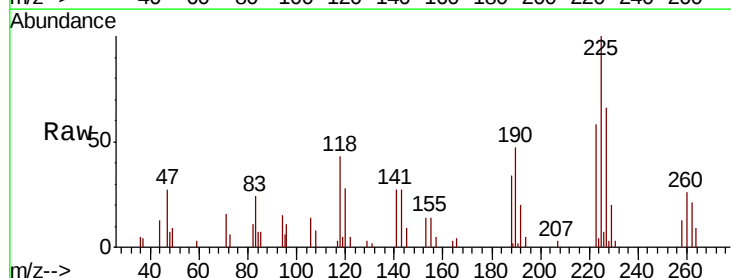
Tgt Ion:225 Resp: 6632

Ion Ratio Lower Upper

225 100

223 61.6 50.6 76.0

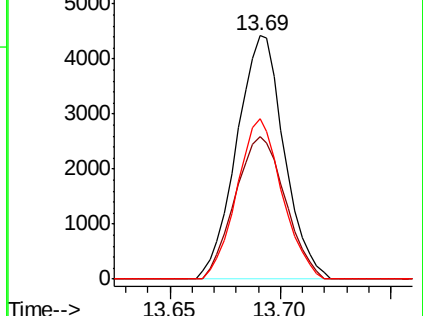
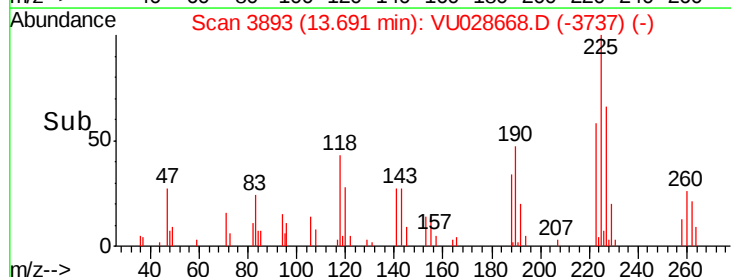
227 62.4 50.8 76.2

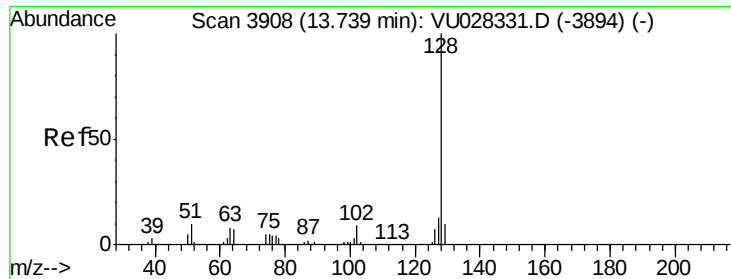


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.663 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

Instrument :

MSVOA_U

ClientSampleId :

VU1214WBS01

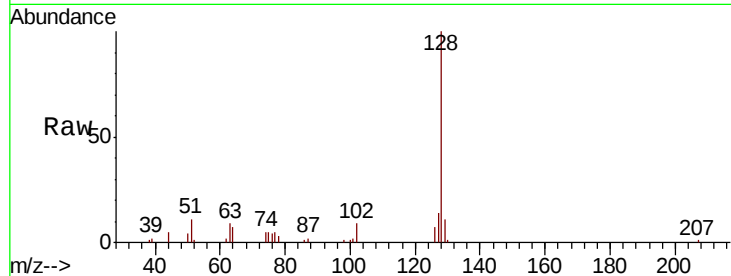
Tot Ion:128 Resp: 18779

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

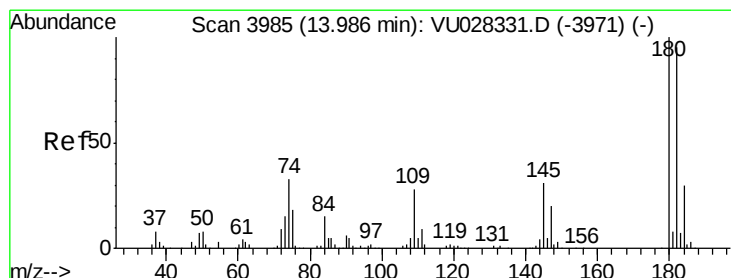
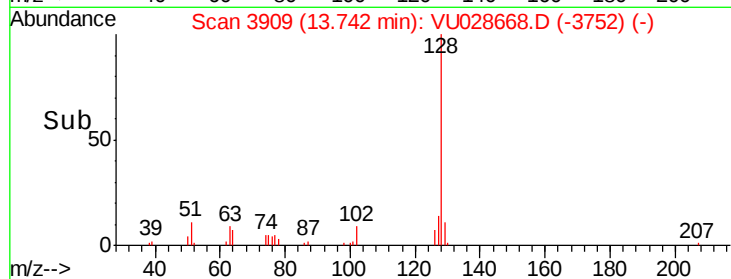
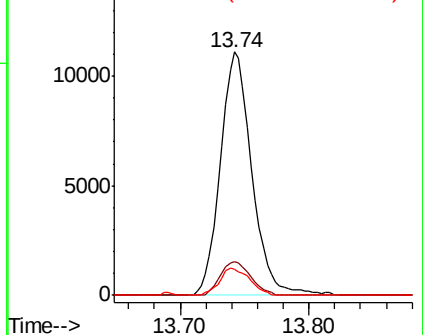
129 10.5 8.2 12.4



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: 1.790 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028668.D

Acq: 13 Dec 2018 10:19

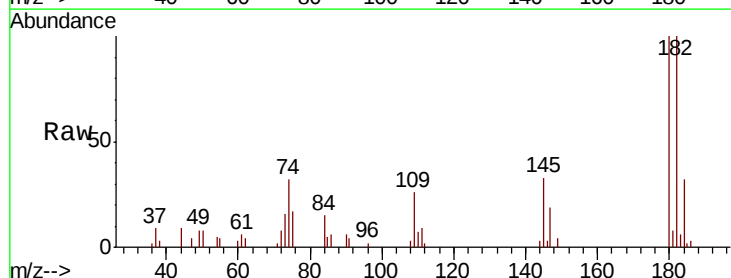
Tgt Ion:180 Resp: 9646

Ion Ratio Lower Upper

180 100

182 97.9 76.1 114.1

145 32.3 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

