

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030568.D
 Acq On : 30 Mar 2019 10:48
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 00:43:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	53633	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20129	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17536	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	47642	2.338	ug/l	98
3) Chloromethane	1.33	50	58691	2.510	ug/l	100
4) Vinyl Chloride	1.40	62	51594	2.542	ug/l	99
5) Bromomethane	1.63	94	23606	2.132	ug/l	94
6) Chloroethane	1.70	64	30562	2.629	ug/l	98
7) Trichlorofluoromethane	1.88	101	57057	2.230	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	29215	2.131	ug/l	100
9) 1,1-Dichloroethene	2.28	96	28543	2.099	ug/l	96
10) Iodomethane	2.41	142	21686	1.855	ug/l	98
11) Allyl Chloride	2.59	41	65309	3.099	ug/l	97
12) Acrylonitrile	2.94	53	16213	5.241	ug/l	95
13) Acetone	2.32	43	37776	13.807	ug/l	99
14) Carbon Disulfide	2.47	76	107341	2.244	ug/l	100
15) Methylene Chloride	2.69	84	35806	2.195	ug/l	98
16) trans-1,2-Dichloroethene	2.97	96	32187	2.059	ug/l	97
17) 1,1-Dichloroethane	3.44	63	66542	2.428	ug/l	100
18) 2-Butanone	4.28	43	46519	12.258	ug/l	97
19) Cyclohexane	4.98	56	48326	2.049	ug/l	91
20) Methylcyclohexane	6.41	83	45953	1.845	ug/l	95
21) 2,2-Dichloropropane	4.22	77	51370	2.259	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	34194	1.973	ug/l	97
23) Diethyl Ether	2.10	59	27077	2.545	ug/l	98
24) tert-Butyl Alcohol	2.84	59	26204	23.081	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	81670	2.310	ug/l	94
26) Bromochloromethane	4.54	128	14087	1.890	ug/l	99
27) Chloroform	4.67	83	63400	2.229	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	50736	2.186	ug/l	99
29) 1,1-Dichloropropene	5.13	75	43771	2.075	ug/l	98
30) Carbon Tetrachloride	5.13	117	42120	2.047	ug/l	98
31) Isopropyl Ether	3.58	45	105715	2.637	ug/l	98
32) Ethyl-t-butyl ether	4.07	59	83468	2.249	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	64846	1.945	ug/l	99
34) Propionitrile	4.34	54	12308	11.697	ug/l #	96
35) Benzene	5.38	78	135661	2.190	ug/l	100
36) 1,2-Dichloroethane	5.40	62	41602	2.444	ug/l	100
37) Trichloroethene	6.18	130	32043	1.855	ug/l	99
38) 1,2-Dichloropropane	6.43	63	36873	2.303	ug/l	96
39) Methacrylonitrile	4.55	41	11682	2.496	ug/l	96
40) Methyl acrylate	4.44	55	15968	2.242	ug/l #	93
41) Tetrahydrofuran	4.65	42	12323	4.846	ug/l	97
42) 1-Chlorobutane	5.06	56	66837	2.342	ug/l	99

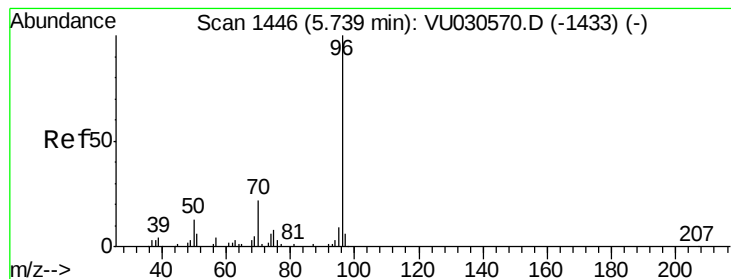
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	16105	1.984	ug/l	93
44) Bromodichloromethane	6.76	83	43980	2.244	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	107557	12.577	ug/l	97
46) t-1,4-Dichloro-2-butene	10.49	75	34767	11.091	ug/l #	51
47) Methyl methacrylate	6.63	69	27015	3.930	ug/l	97
48) Ethyl methacrylate	8.02	69	26968	2.090	ug/l	96
49) Toluene	7.63	92	73697	2.003	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	34877	1.997	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	45111	2.072	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	23339	2.056	ug/l	97
53) 1,3-Dichloropropane	8.24	76	42115	2.182	ug/l	97
54) 2-Hexanone	8.37	43	73497	12.051	ug/l	96
55) Dibromochloromethane	8.47	129	26210	1.940	ug/l	100
56) 1,2-Dibromoethane	8.59	107	21693	2.006	ug/l	99
58) Tetrachloroethene	8.22	164	29416	1.879	ug/l	98
59) Chlorobenzene	9.12	112	80945	1.942	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	28555	1.952	ug/l	97
61) Pentachloroethane	11.10	117	21478	1.886	ug/l	99
62) Hexachloroethane	12.14	117	18875	1.694	ug/l	96
63) Ethyl Benzene	9.25	91	133344	1.919	ug/l	98
64) m/p-Xylenes	9.37	106	98216	3.659	ug/l	92
65) o-Xylene	9.77	106	47424	1.803	ug/l	100
66) Styrene	9.79	104	80193	1.845	ug/l	98
67) Bromoform	9.95	173	13803	1.803	ug/l	97
69) Isopropylbenzene	10.16	105	128172	1.851	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	31817	2.238	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	34767	3.371	ug/l #	70
72) Bromobenzene	10.45	156	31489	1.772	ug/l	98
73) n-propylbenzene	10.58	120	33063	1.704	ug/l	99
74) 2-Chlorotoluene	10.66	126	31857	1.868	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	108786	1.851	ug/l	99
76) 4-Chlorotoluene	10.77	126	29874	1.722	ug/l	91
77) tert-Butylbenzene	11.10	119	101199	1.770	ug/l	98
78) 1,2,4-Trimethylbenzene	11.14	105	105880	1.777	ug/l	97
79) sec-Butylbenzene	11.32	105	141445	1.843	ug/l	100
80) Nitrobenzene	12.89	77	734	2.999	ug/l #	83
81) p-Isopropyltoluene	11.47	119	104311	1.643	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	62431	1.742	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	62302	1.730	ug/l	97
84) n-Butylbenzene	11.89	91	99337	1.663	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	58853	1.762	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.65	75	4364	2.131	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	29805	1.274	ug/l	94
88) Hexachlorobutadiene	13.69	225	20779	1.605	ug/l	99
89) Naphthalene	13.74	128	45931	1.251	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	30331	1.423	ug/l	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 53633

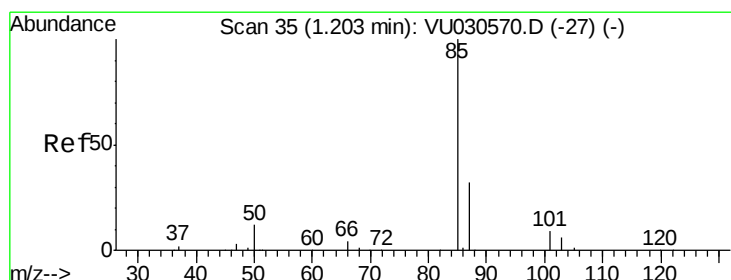
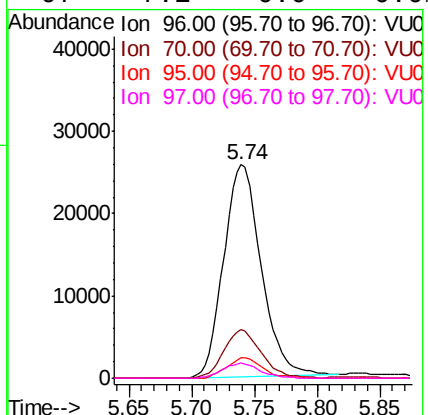
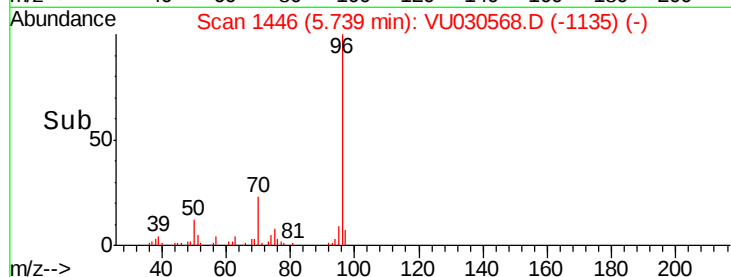
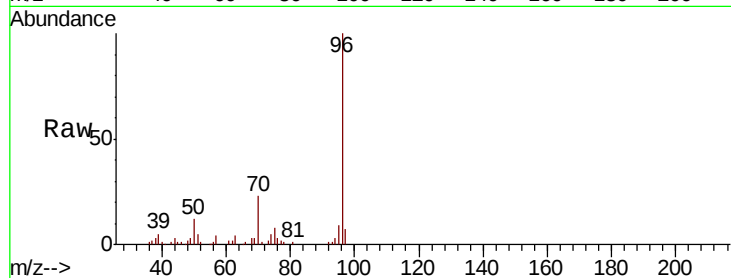
Ion Ratio Lower Upper

96 100

70 22.7 15.6 23.4

95 9.2 7.3 10.9

97 7.1 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 2.338 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030568.D

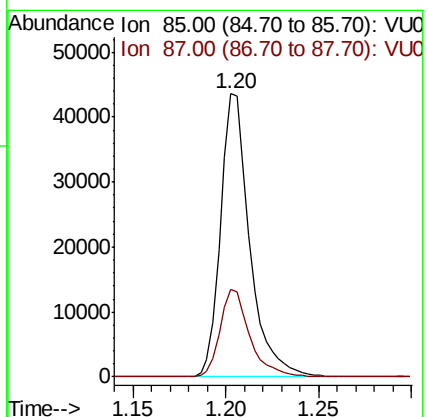
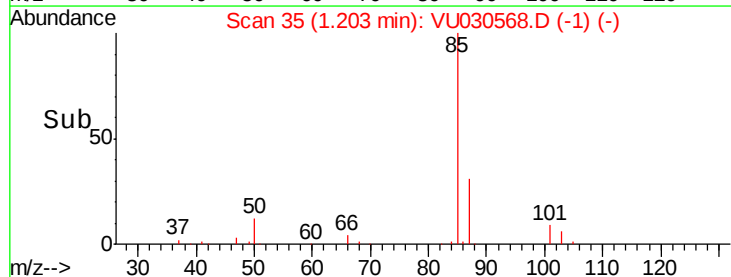
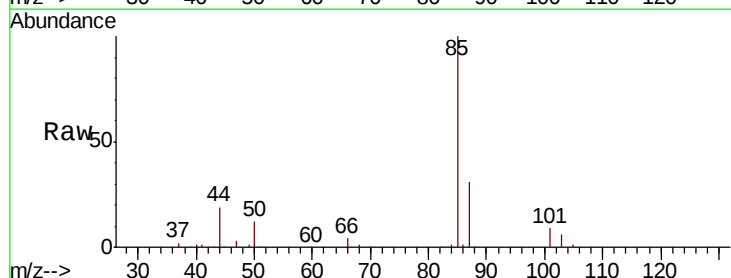
Acq: 30 Mar 2019 10:48

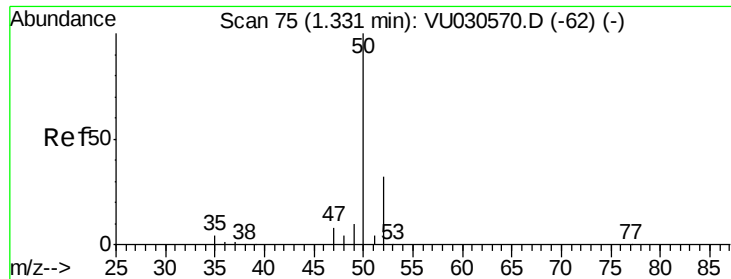
Tgt Ion: 85 Resp: 47642

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.6





#3

Chloromethane

Concen: 2.510 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

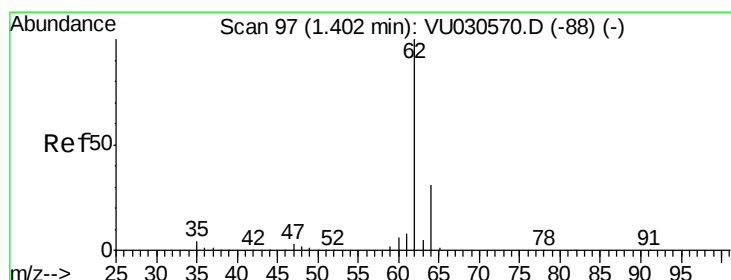
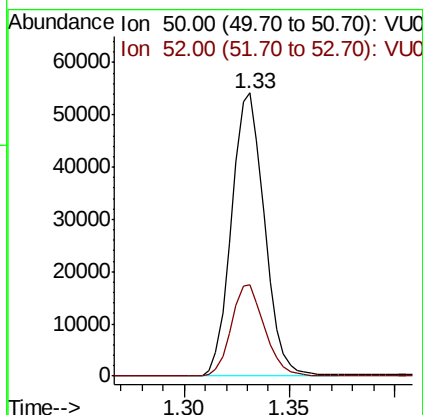
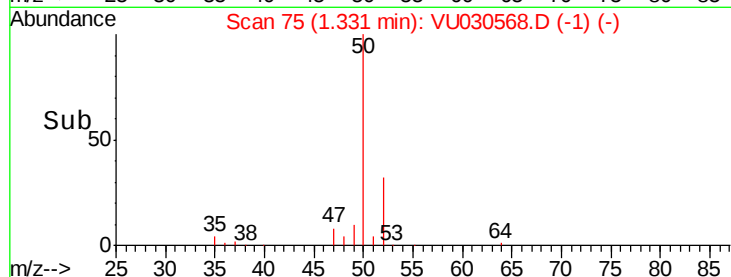
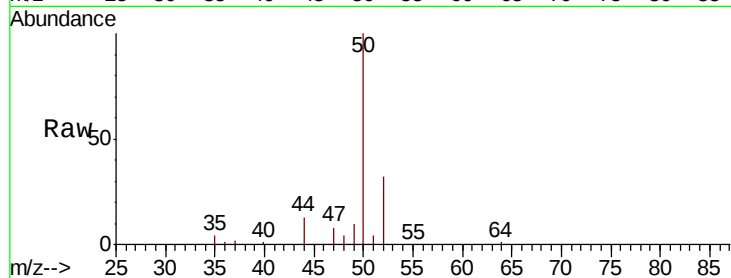
ClientSampleId :

Tot Ion: 50 Resp: 58691

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.8



#4

Vinyl Chloride

Concen: 2.542 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030568.D

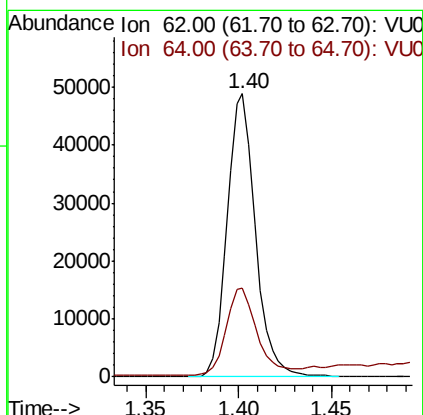
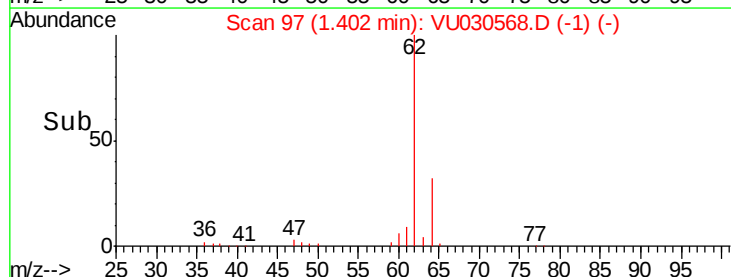
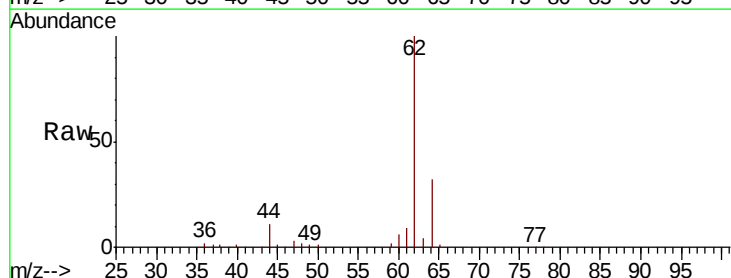
Acq: 30 Mar 2019 10:48

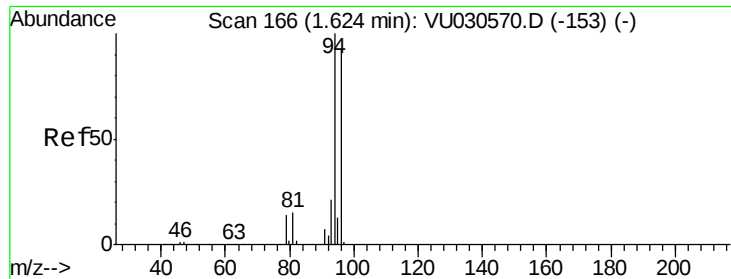
Tgt Ion: 62 Resp: 51594

Ion Ratio Lower Upper

62 100

64 31.0 25.1 37.7





#5

Bromomethane

Concen: 2.132 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

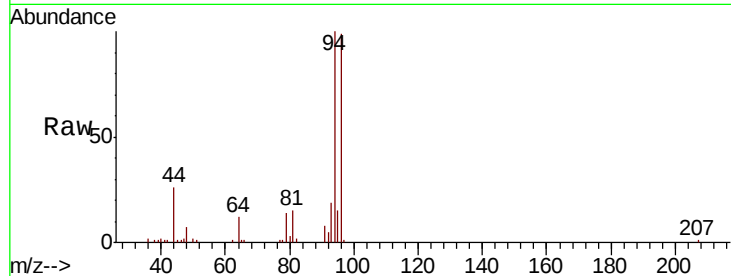
ClientSampleId :

Tot Ion: 94 Resp: 23606

Ion Ratio Lower Upper

94 100

96 99.0 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VU030568.D (-167) (-)

Ion 96.00 (95.70 to 96.70): VU030568.D (-167) (-)

1.63

20000

15000

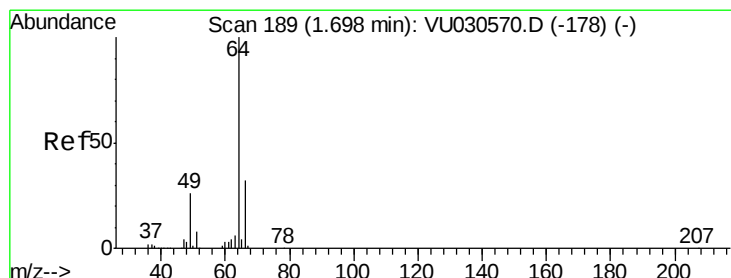
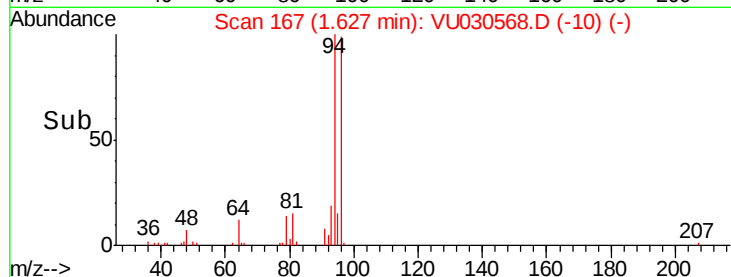
10000

5000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 2.629 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030568.D

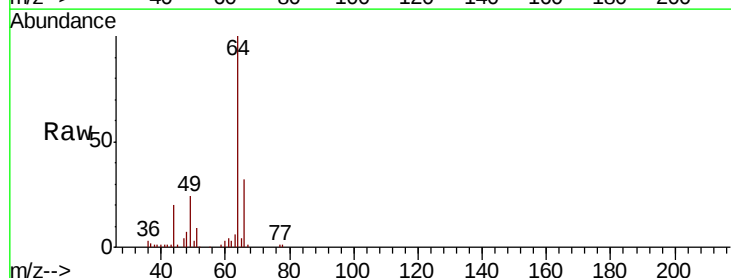
Acq: 30 Mar 2019 10:48

Tgt Ion: 64 Resp: 30562

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU030568.D (-189) (-)

Ion 66.00 (65.70 to 66.70): VU030568.D (-189) (-)

1.70

25000

20000

15000

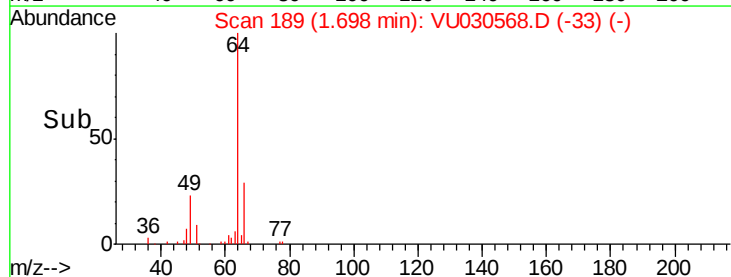
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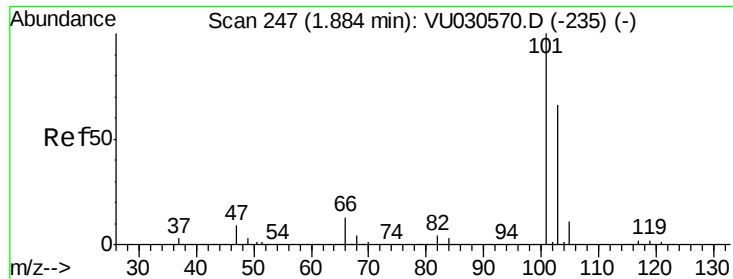
5000

0

1.65 1.70 1.75

Time-->



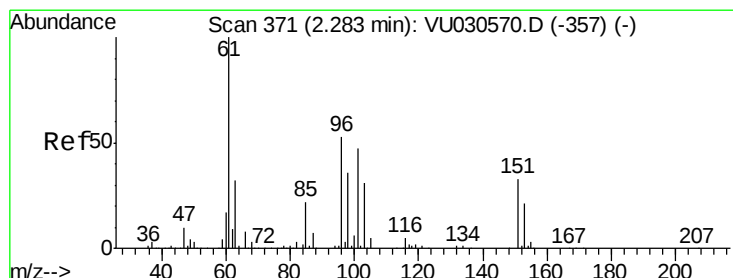
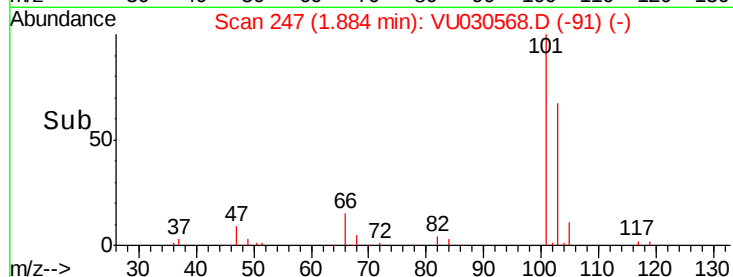
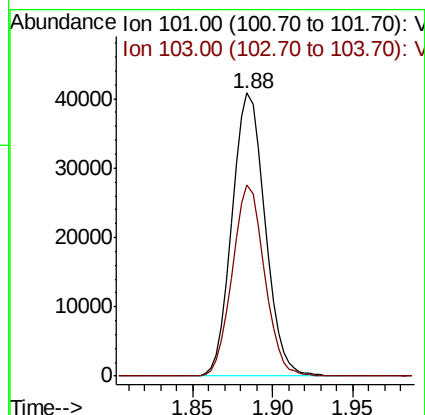
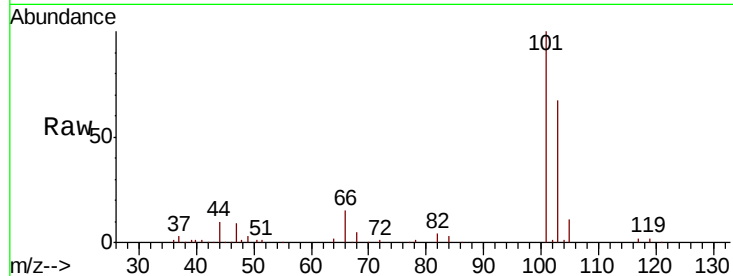


#7

Trichlorofluoromethane
 Concen: 2.230 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :

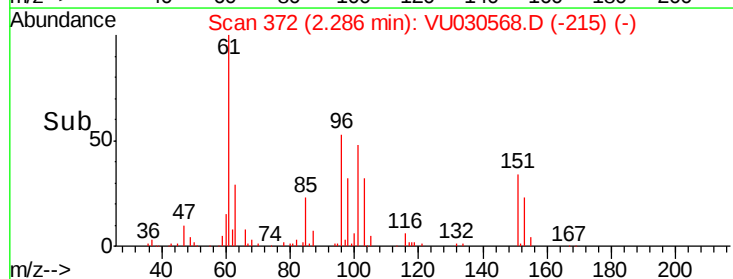
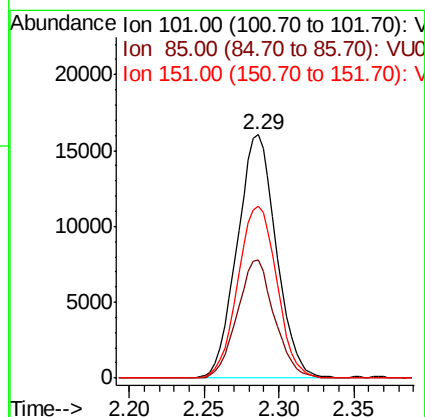
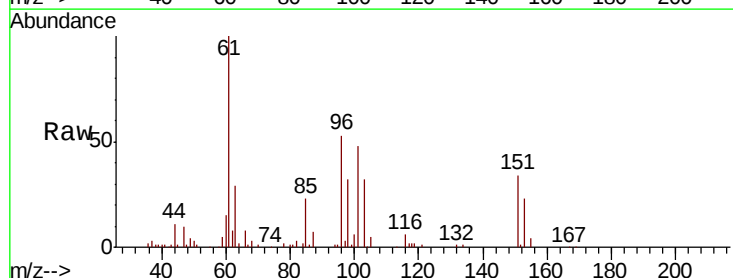
Tot Ion:101 Resp: 57057
 Ion Ratio Lower Upper
 101 100
 103 67.5 52.6 79.0

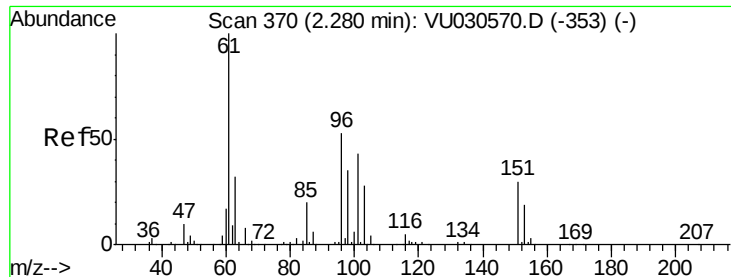


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.131 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion:101 Resp: 29215
 Ion Ratio Lower Upper
 101 100
 85 46.1 36.5 54.7
 151 70.3 56.5 84.7





#9

1,1-Dichloroethene

Concen: 2.099 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :

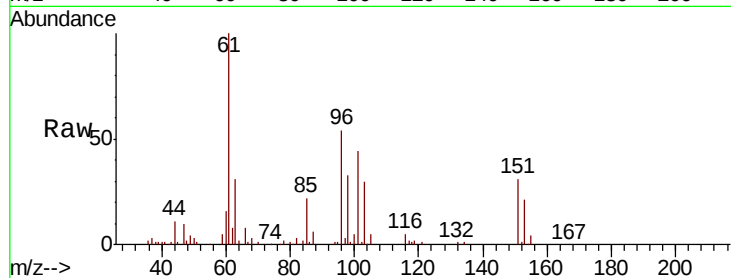
Tot Ion: 96 Resp: 28543

Ion Ratio Lower Upper

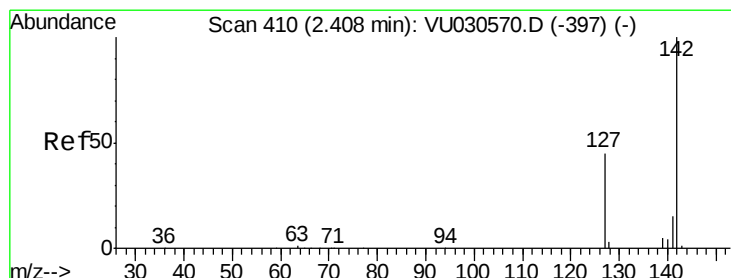
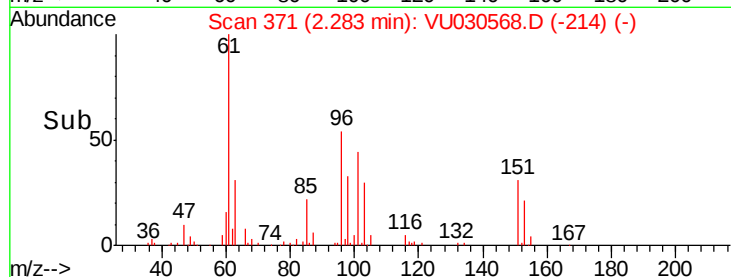
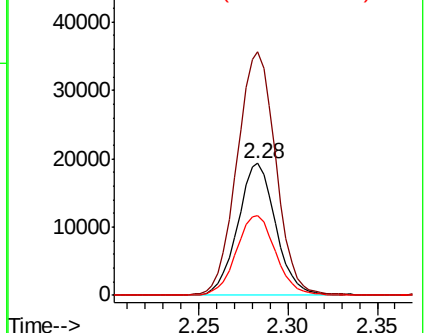
96 100

61 184.9 0.0 567.0

98 60.5 0.0 132.2



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



#10

Iodomethane

Concen: 1.855 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030568.D

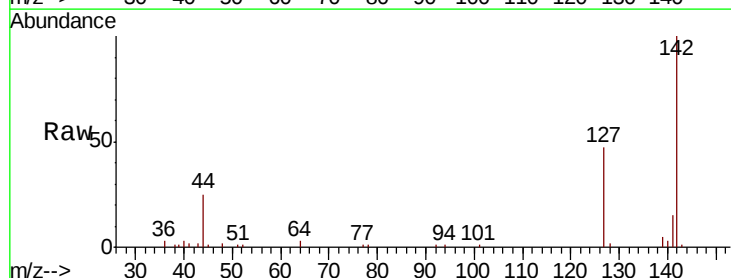
Acq: 30 Mar 2019 10:48

Tgt Ion:142 Resp: 21686

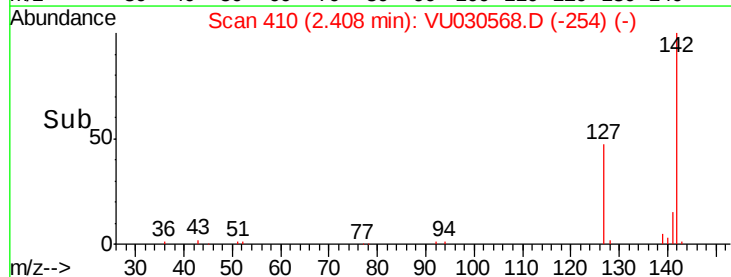
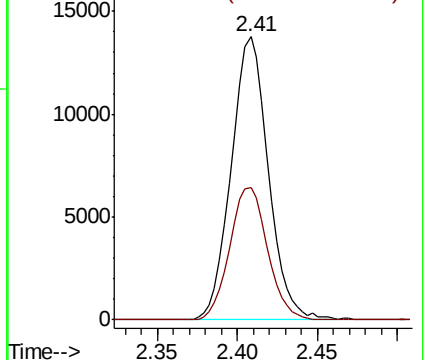
Ion Ratio Lower Upper

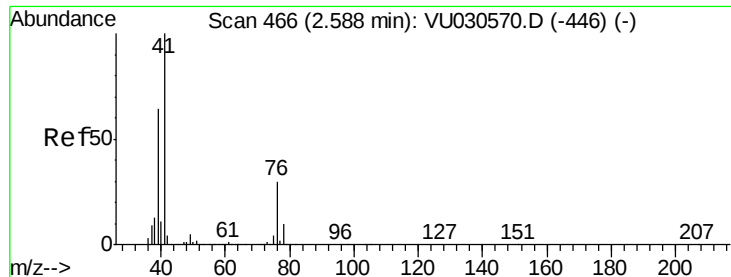
142 100

127 47.6 36.8 55.2



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

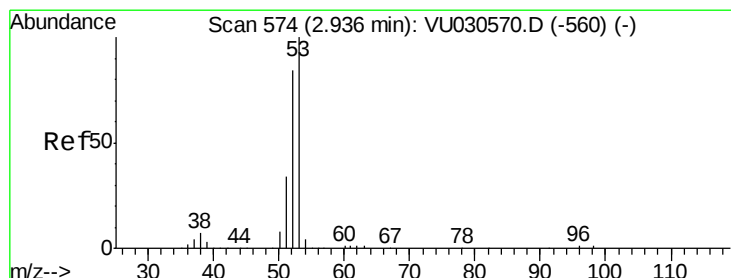
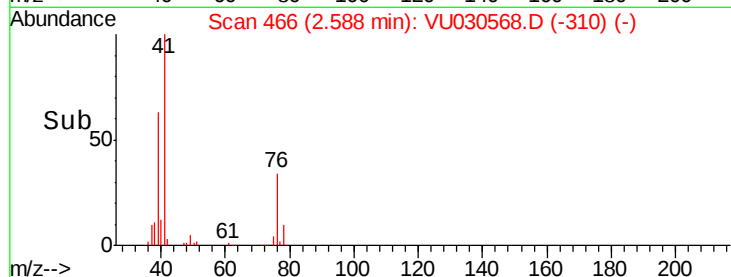
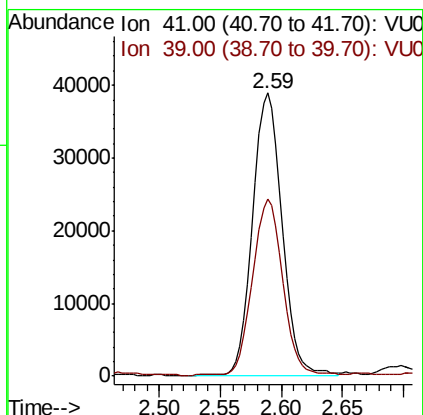
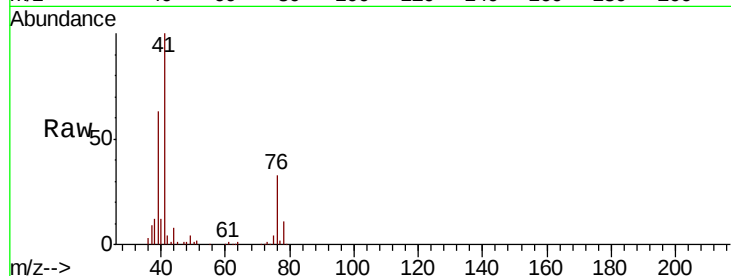




#11
Allvl Chloride
Concen: 3.099 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

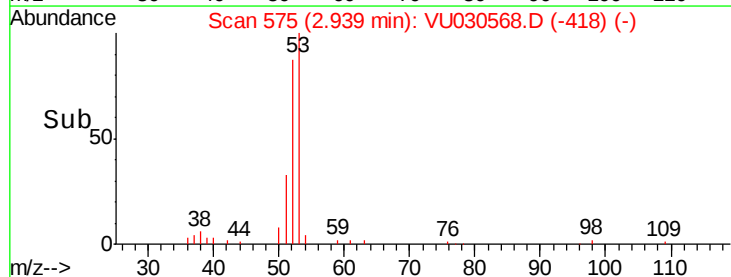
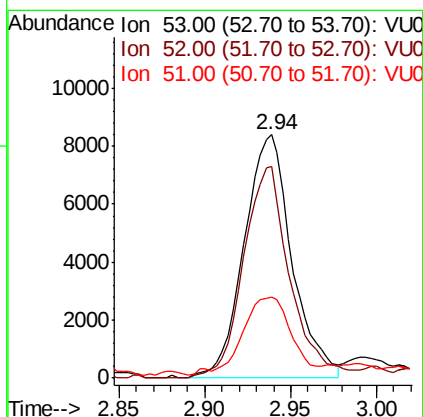
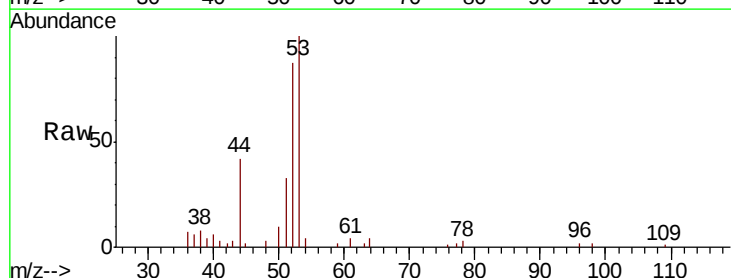
Instrument :
MSVOA_U
ClientSampleId :

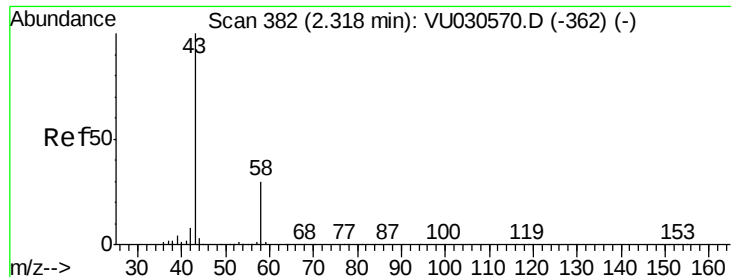
Tot Ion: 41 Resp: 65309
Ion Ratio Lower Upper
41 100
39 62.3 51.8 77.6



#12
Acrylonitrile
Concen: 5.241 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 53 Resp: 16213
Ion Ratio Lower Upper
53 100
52 84.2 69.1 103.7
51 29.1 27.9 41.9





#13

Acetone

Concen: 13.807 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

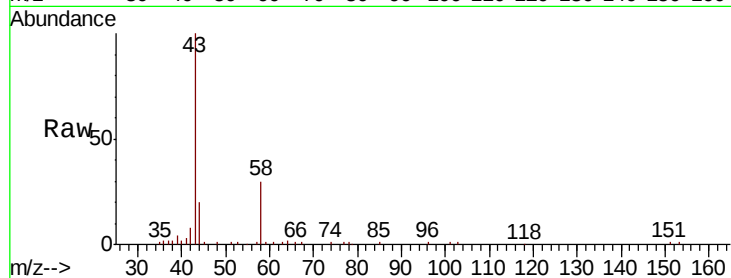
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 37776

Ion Ratio Lower Upper

43 100

58 30.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030570.D (-362) (-)

25000

20000

15000

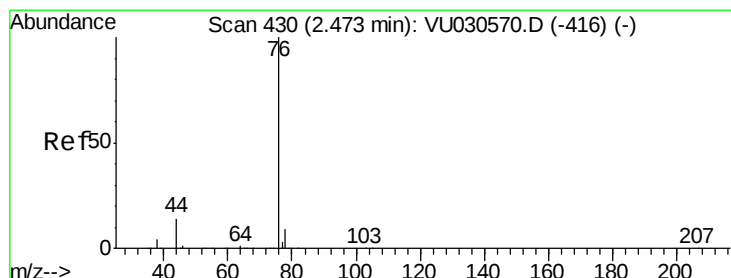
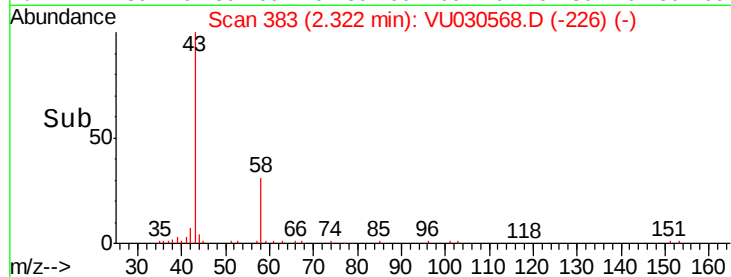
10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40

2.32



#14

Carbon Disulfide

Concen: 2.244 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030568.D

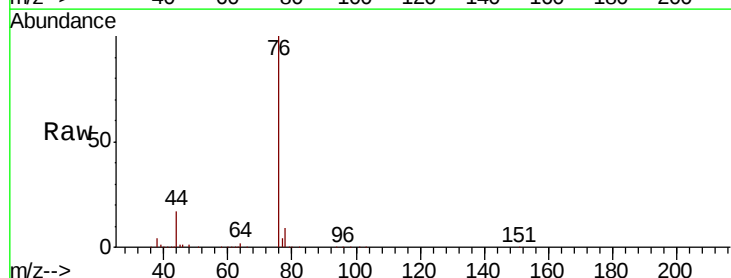
Acq: 30 Mar 2019 10:48

Tgt Ion: 76 Resp: 107341

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030570.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030570.D (-416) (-)

80000

60000

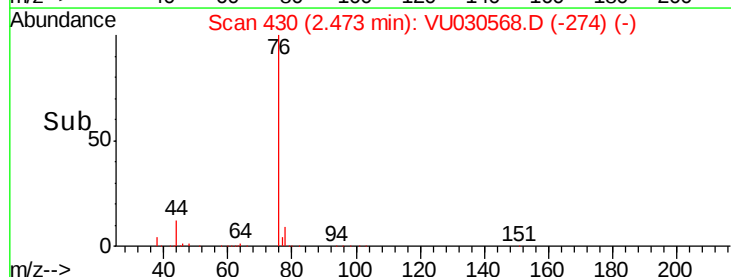
40000

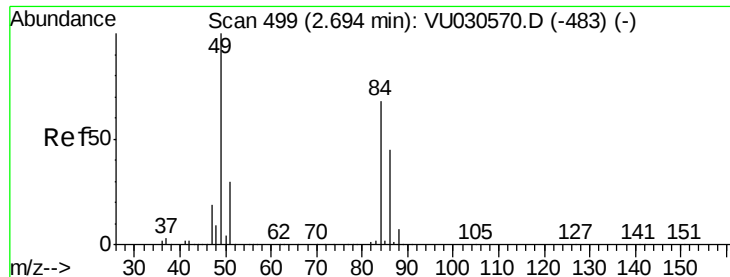
20000

0

Time--> 2.40 2.45 2.50 2.55

2.47

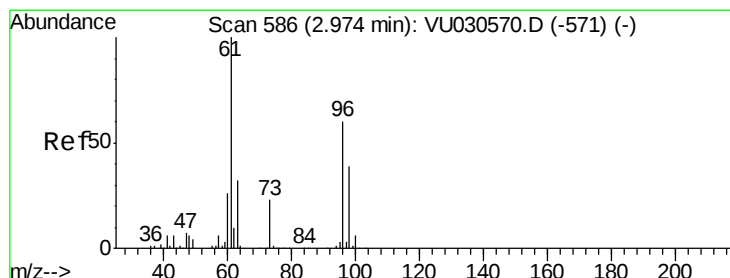
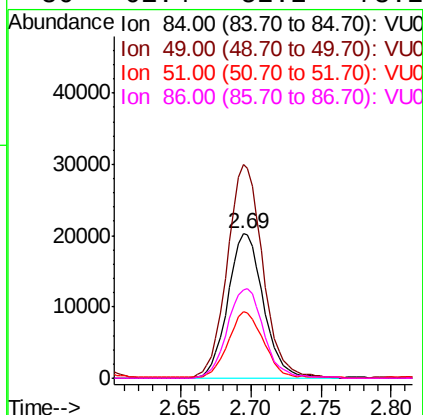
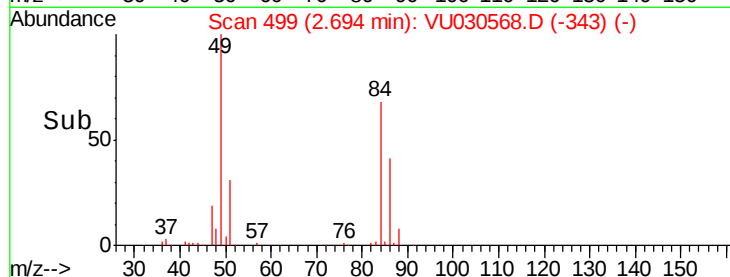
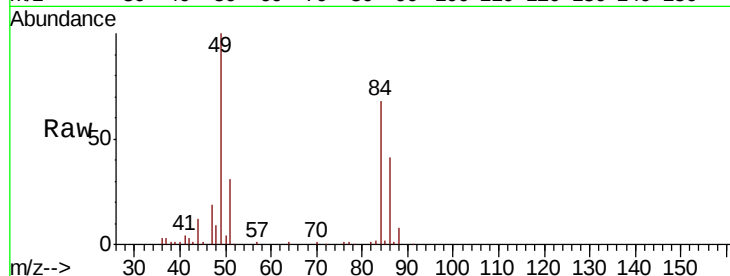




#15
Methvlene Chloride
Concen: 2.195 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

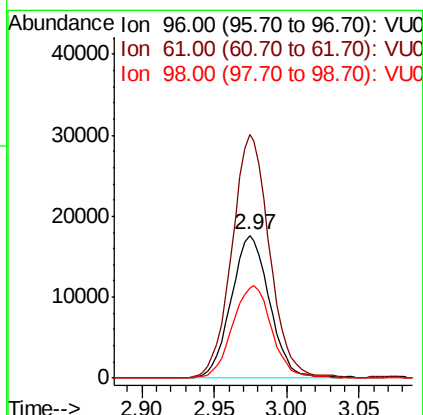
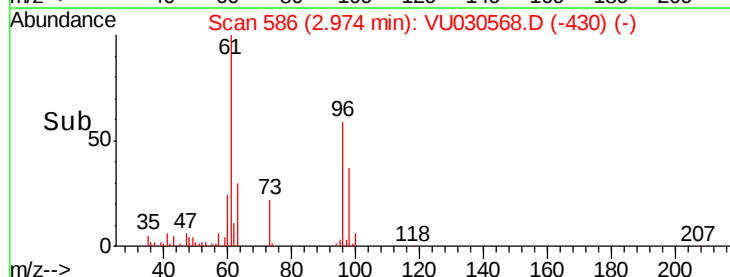
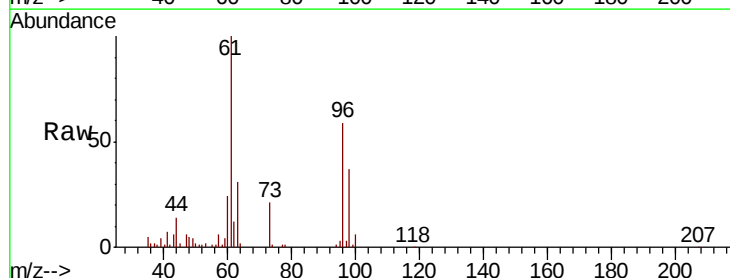
Instrument :
MSVOA_U
ClientSampleId :

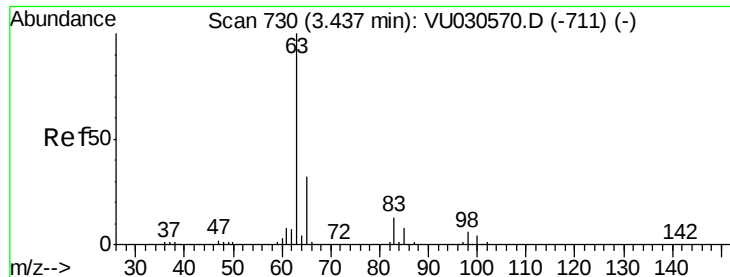
Tot Ion: 84 Resp: 35806
Ion Ratio Lower Upper
84 100
49 148.0 117.0 175.6
51 45.9 0.0 88.6
86 61.4 52.2 78.2



#16
trans-1,2-Dichloroethene
Concen: 2.059 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 96 Resp: 32187
Ion Ratio Lower Upper
96 100
61 170.4 132.3 198.5
98 63.2 51.3 76.9





#17

1,1-Dichloroethane

Concen: 2.428 ug/l

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

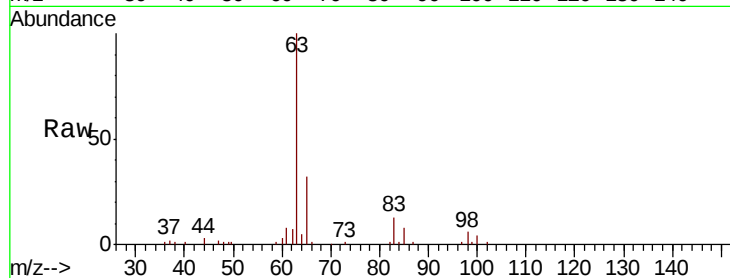
Tot Ion: 63 Resp: 66542

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

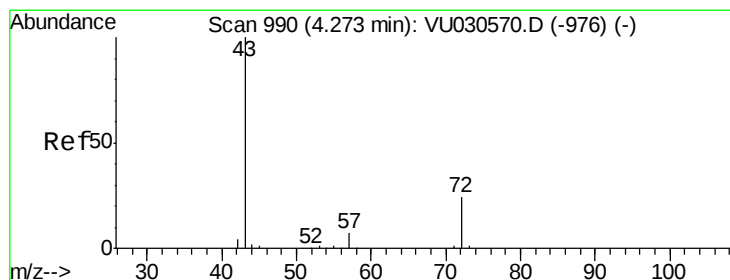
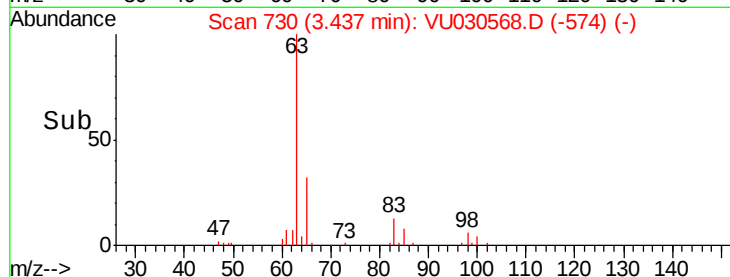
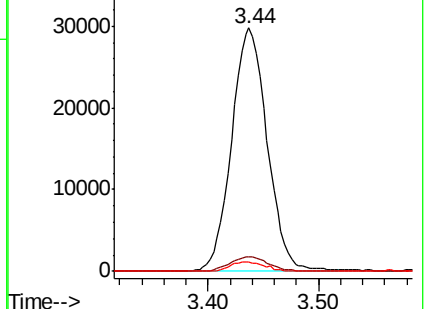
100 3.6 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-711) (-)

Ion 98.00 (97.70 to 98.70): VU030570.D (-711) (-)

Ion 100.00 (99.70 to 100.70): VU030570.D (-711) (-)



#18

2-Butanone

Concen: 12.258 ug/l

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VU030568.D

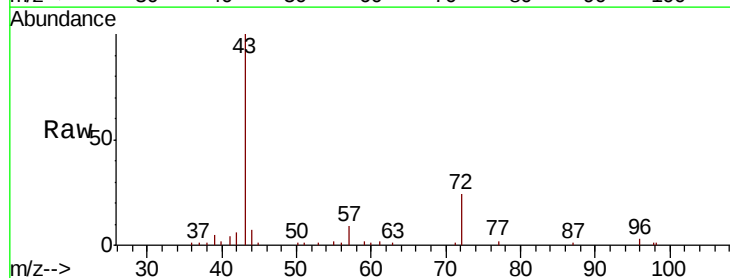
Acq: 30 Mar 2019 10:48

Tgt Ion: 43 Resp: 46519

Ion Ratio Lower Upper

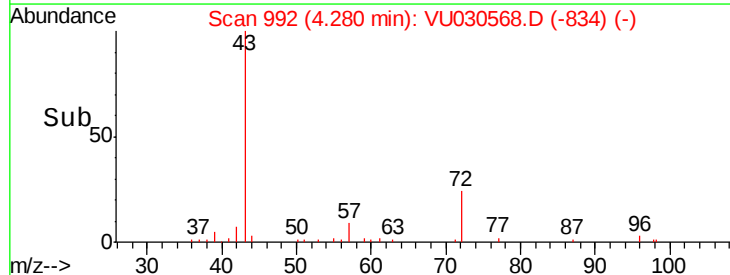
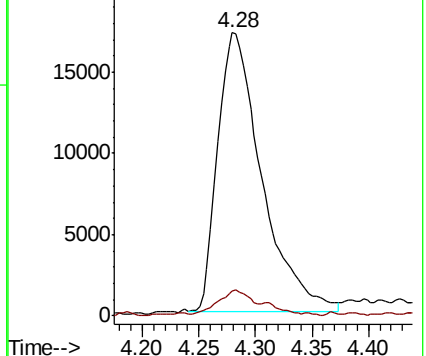
43 100

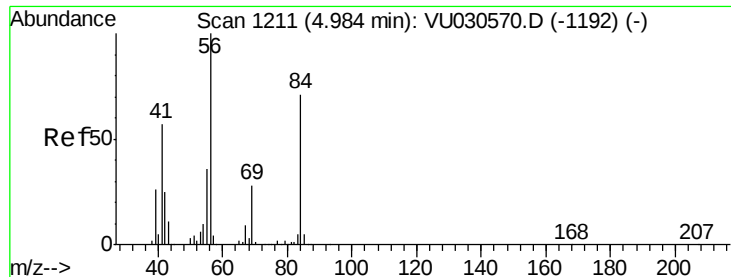
57 8.4 0.0 14.4



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-976) (-)

Ion 57.00 (56.70 to 57.70): VU030570.D (-976) (-)

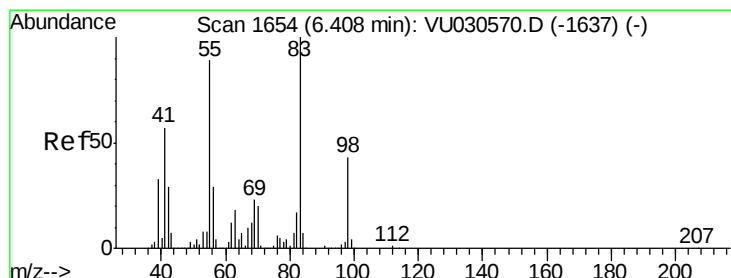
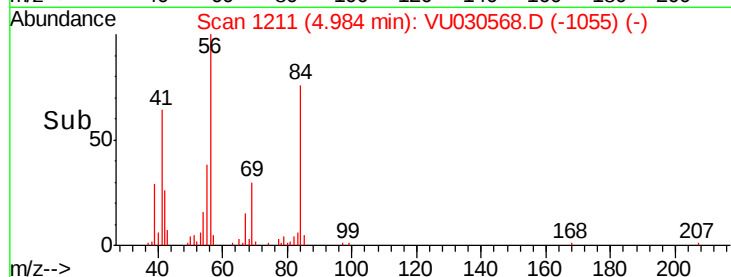
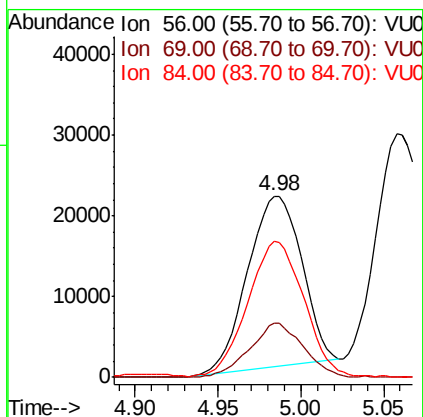
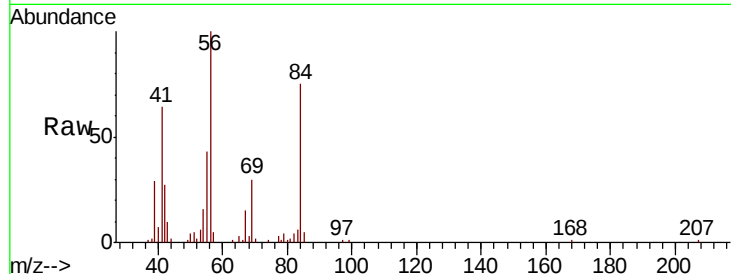




#19
Cyclohexane
Concen: 2.049 ug/l
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

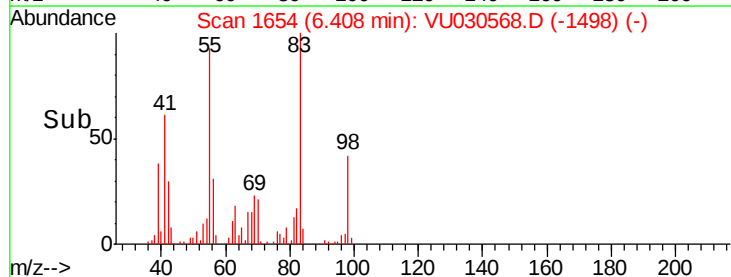
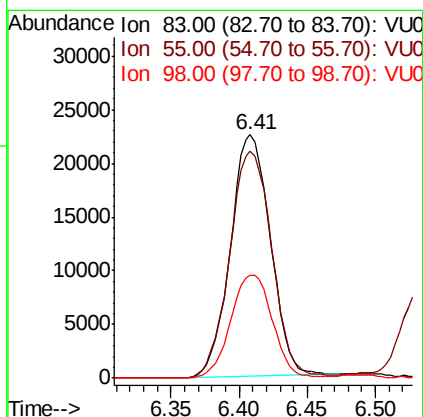
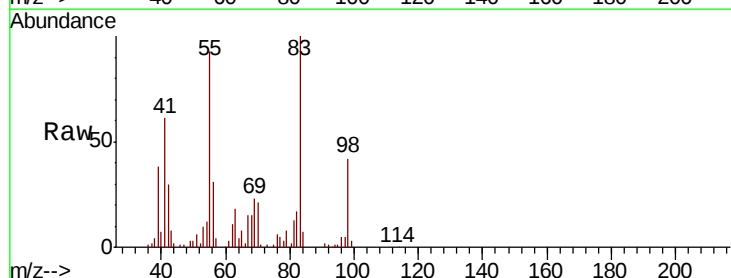
Instrument :
MSVOA_U
ClientSampled :

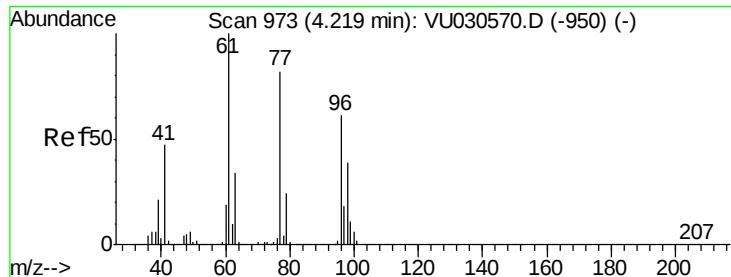
Tot Ion: 56 Resp: 48326
Ion Ratio Lower Upper
56 100
69 31.2 22.3 33.5
84 80.7 57.6 86.4



#20
Methylcyclohexane
Concen: 1.845 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 83 Resp: 45953
Ion Ratio Lower Upper
83 100
55 97.4 72.0 108.0
98 43.9 35.0 52.4





#21

2,2-Dichloropropane

Concen: 2.259 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

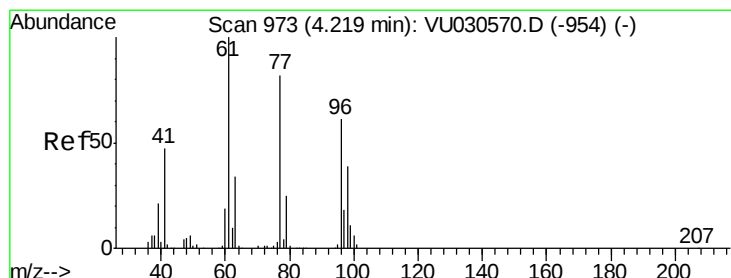
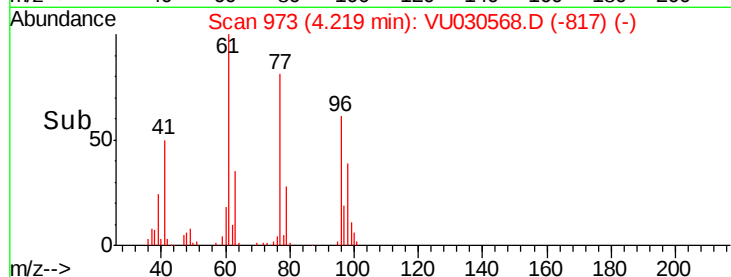
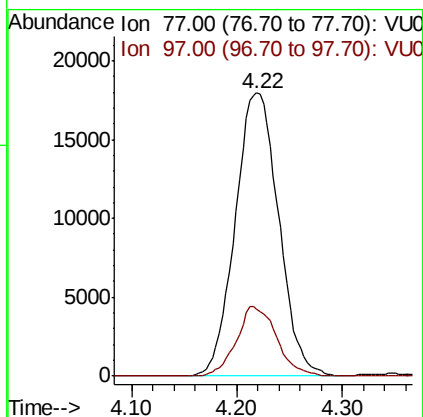
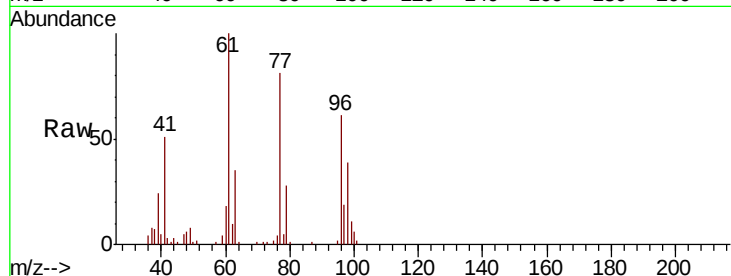
ClientSampled :

Tot Ion: 77 Resp: 51370

Ion Ratio Lower Upper

77 100

97 22.7 17.6 26.4



#22

cis-1,2-Dichloroethene

Concen: 1.973 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

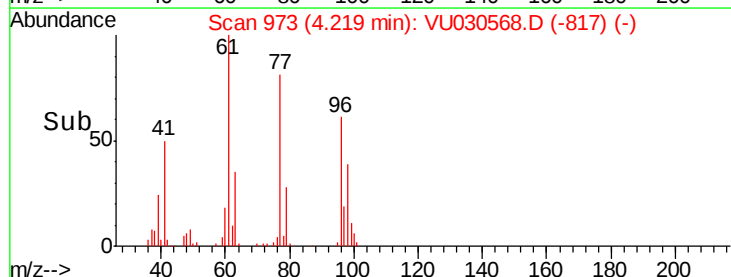
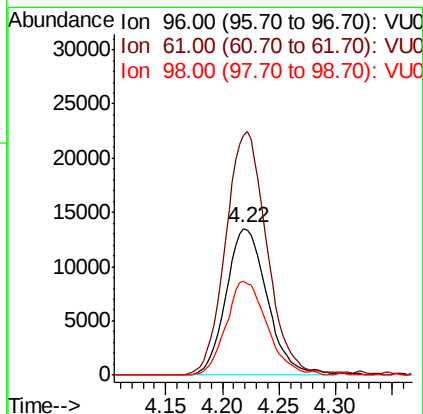
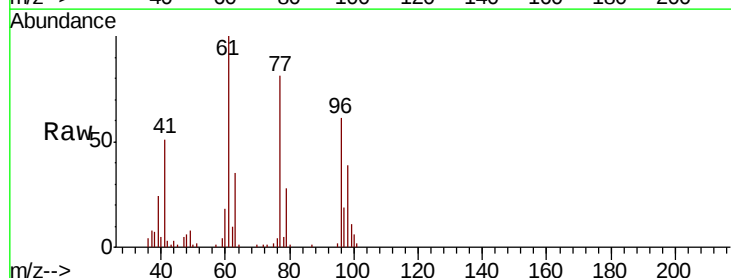
Tgt Ion: 96 Resp: 34194

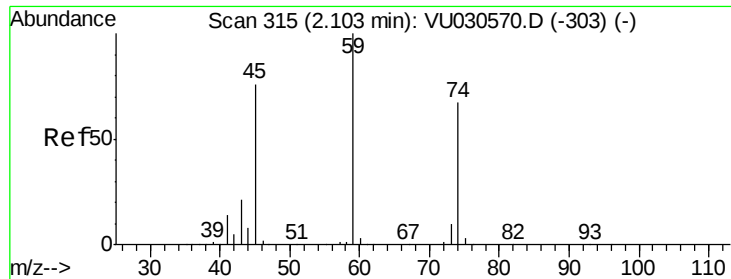
Ion Ratio Lower Upper

96 100

61 166.4 0.0 427.0

98 63.2 32.5 97.4

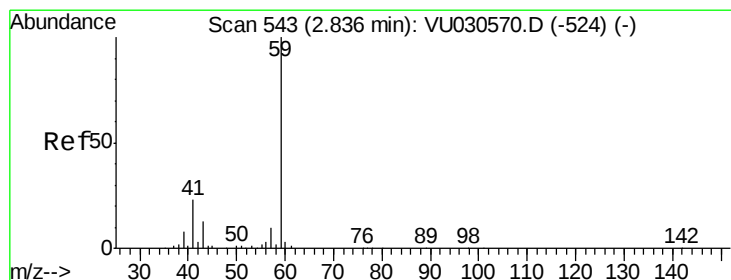
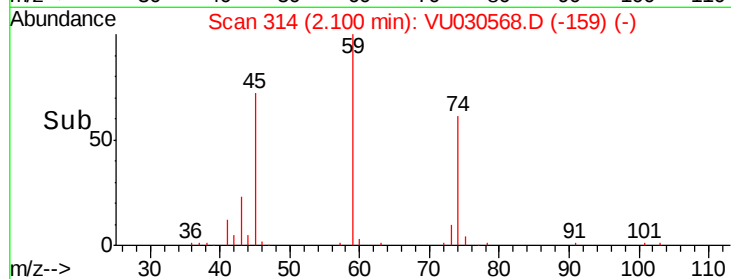
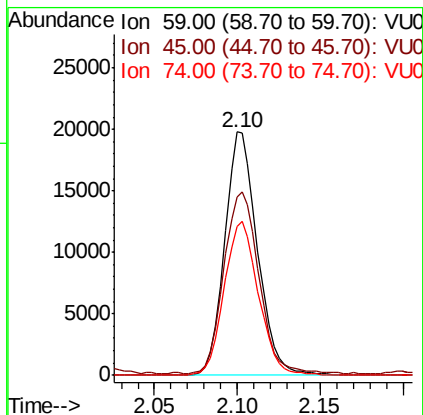
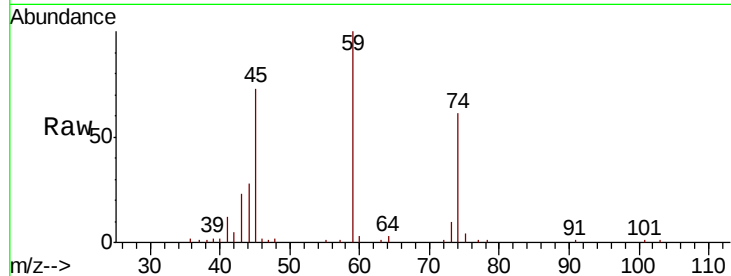




#23
Diethyl Ether
Concen: 2.545 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

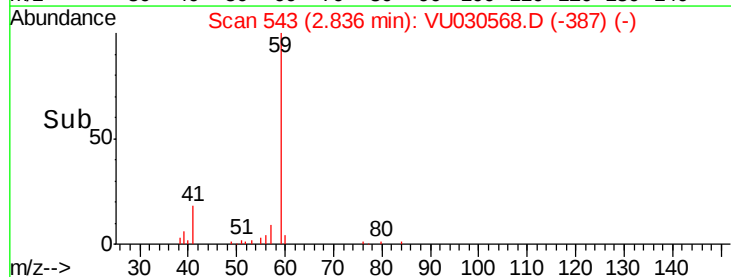
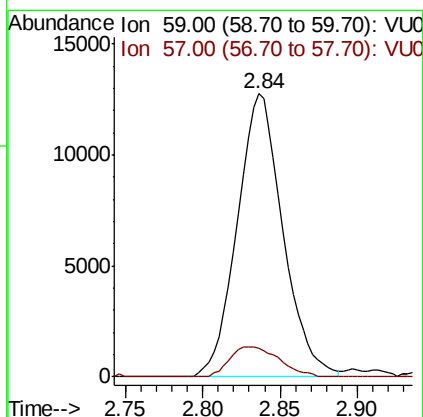
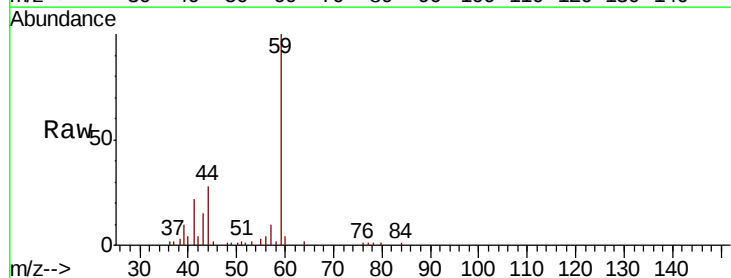
Instrument :
MSVOA_U
ClientSampleId :

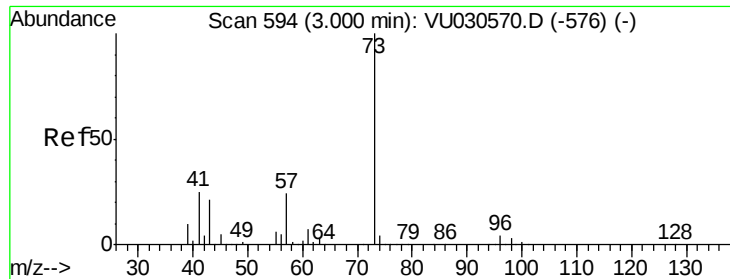
Tot Ion: 59 Resp: 27077
Ion Ratio Lower Upper
59 100
45 80.0 61.6 92.4
74 66.4 53.2 79.8



#24
tert-Butyl Alcohol
Concen: 23.081 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 59 Resp: 26204
Ion Ratio Lower Upper
59 100
57 11.5 8.4 12.6



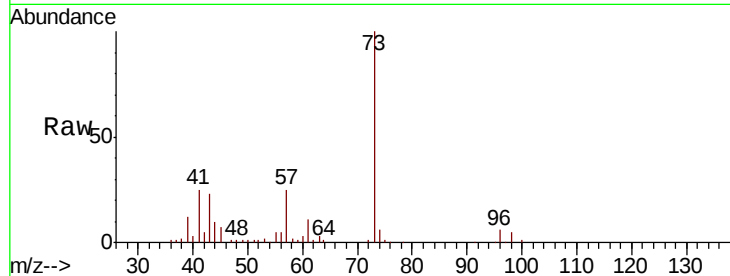


#25

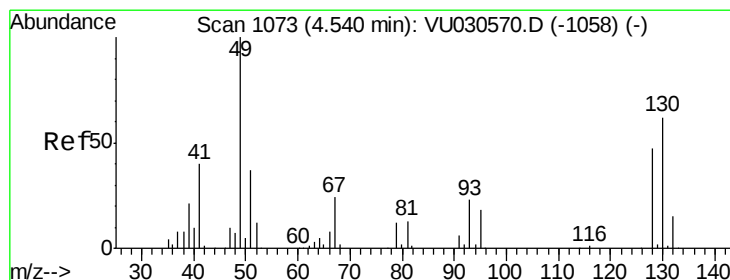
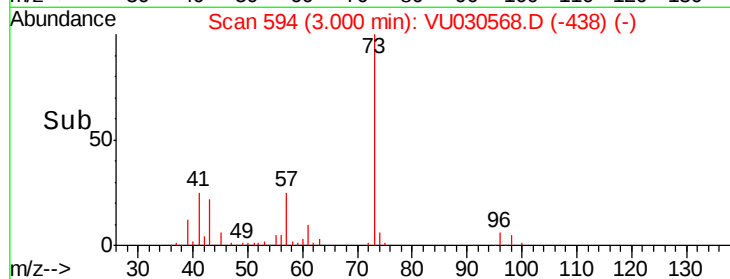
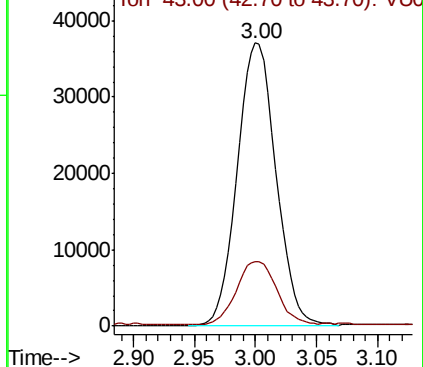
Methyl tert-Butyl Ether
Concen: 2.310 ug/l
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 81670
Ion Ratio Lower Upper
73 100
43 23.3 16.6 24.8



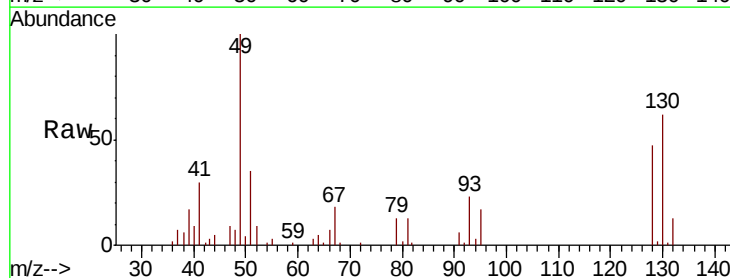
Abundance Ion 73.00 (72.70 to 73.70): VU030570.D (-576) (-)
Ion 43.00 (42.70 to 43.70): VU030570.D (-576) (-)



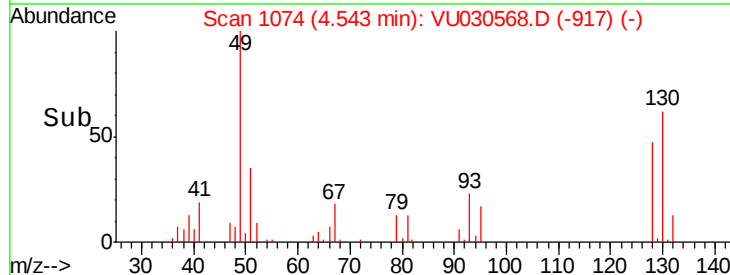
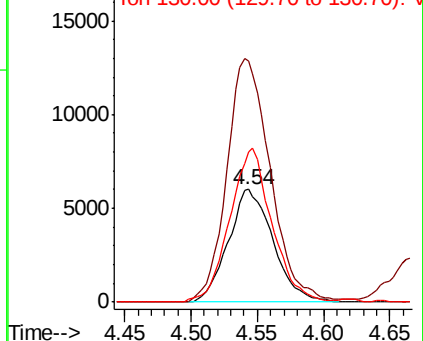
#26

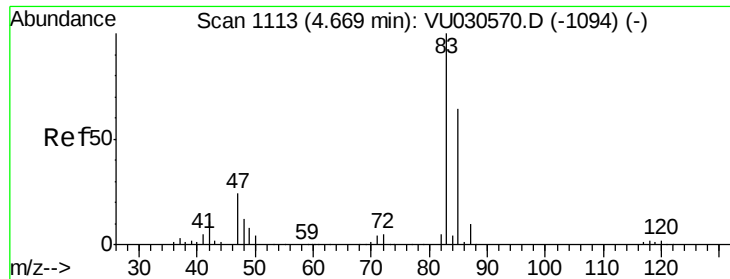
Bromochloromethane
Concen: 1.890 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 128 Resp: 14087
Ion Ratio Lower Upper
128 100
49 210.5 0.0 418.2
130 128.6 103.4 155.0



Abundance Ion 128.00 (127.70 to 128.70): VU030570.D (-1058) (-)
Ion 49.00 (48.70 to 49.70): VU030570.D (-1058) (-)
Ion 130.00 (129.70 to 130.70): VU030570.D (-1058) (-)

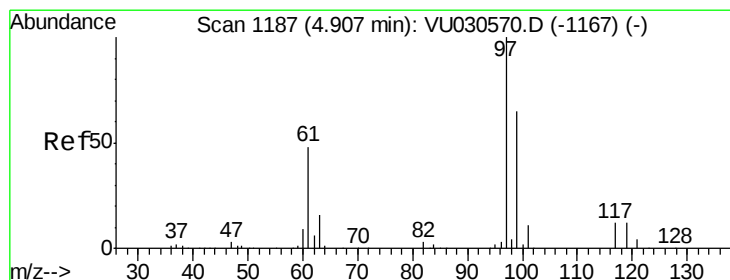
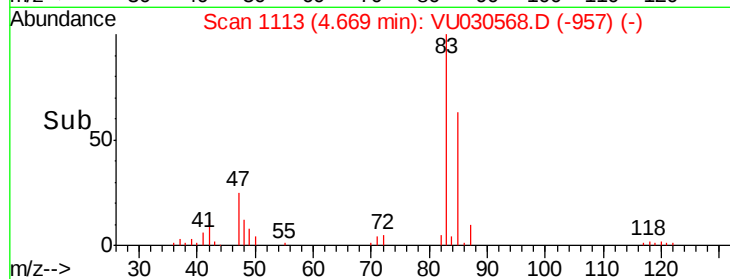
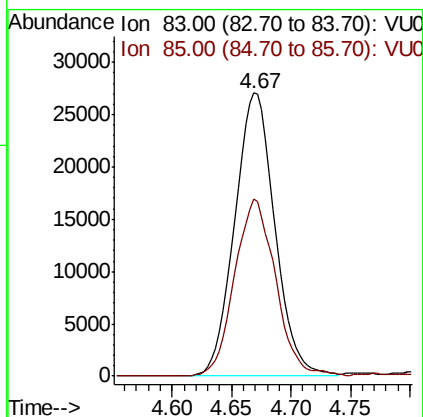
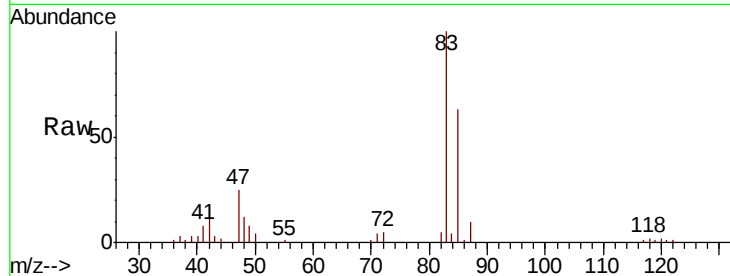




#27
Chloroform
Concen: 2.229 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

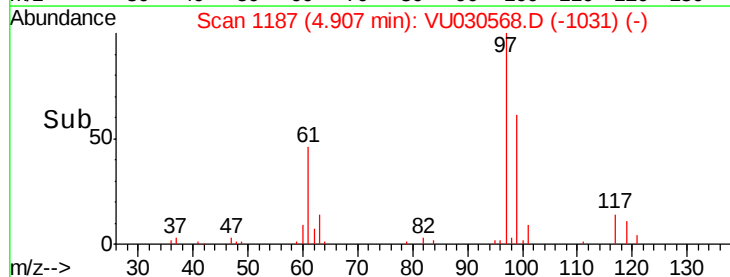
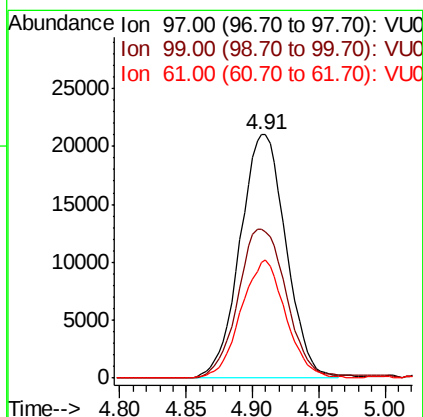
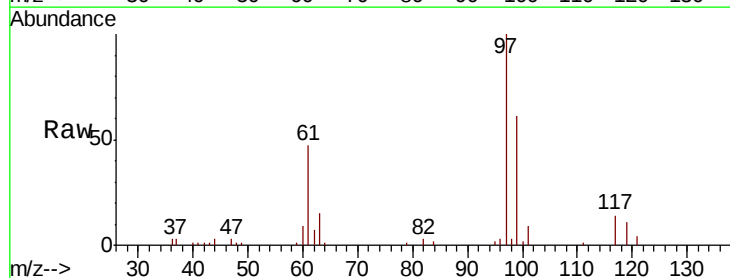
Instrument :
MSVOA_U
ClientSampleId :

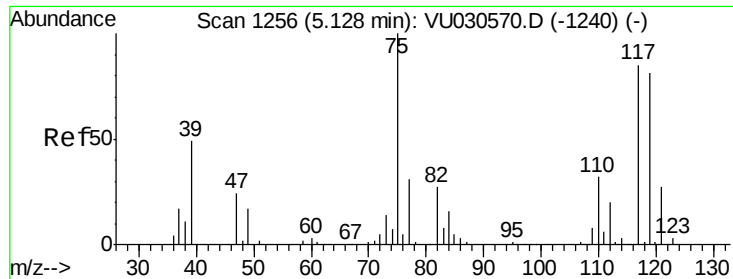
Tot Ion: 83 Resp: 63400
Ion Ratio Lower Upper
83 100
85 62.8 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 2.186 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 97 Resp: 50736
Ion Ratio Lower Upper
97 100
99 64.4 32.0 96.0
61 47.2 24.0 72.0





#29

1,1-Dichloropropene

Concen: 2.075 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampled :

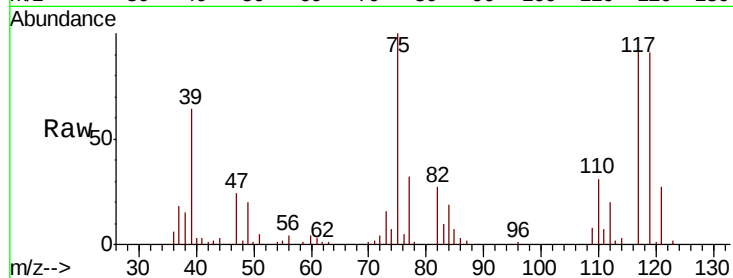
Tot Ion: 75 Resp: 43771

Ion Ratio Lower Upper

75 100

110 33.4 16.0 48.0

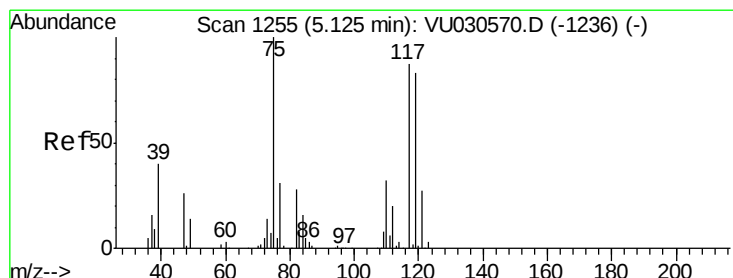
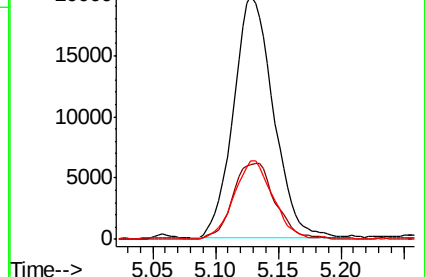
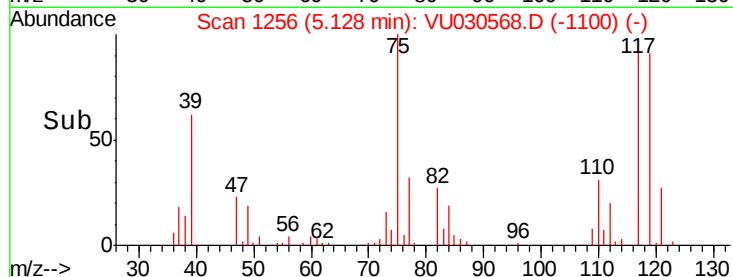
77 31.5 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VU030570.D (-1240) (-)

Ion 110.00 (109.70 to 110.70): VU030570.D (-1240) (-)

Ion 77.00 (76.70 to 77.70): VU030570.D (-1240) (-)



#30

Carbon Tetrachloride

Concen: 2.047 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

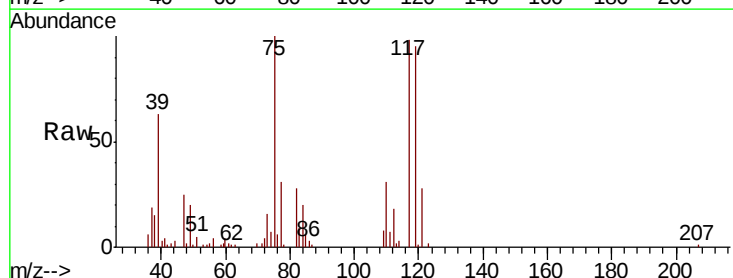
Tgt Ion: 117 Resp: 42120

Ion Ratio Lower Upper

117 100

119 97.1 76.4 114.6

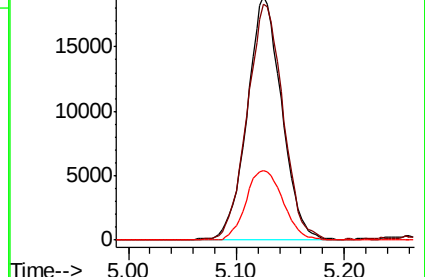
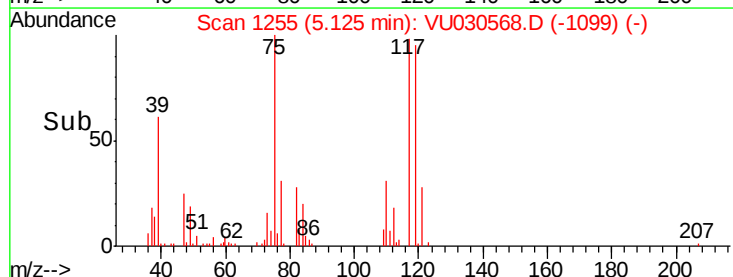
121 28.5 24.7 37.1

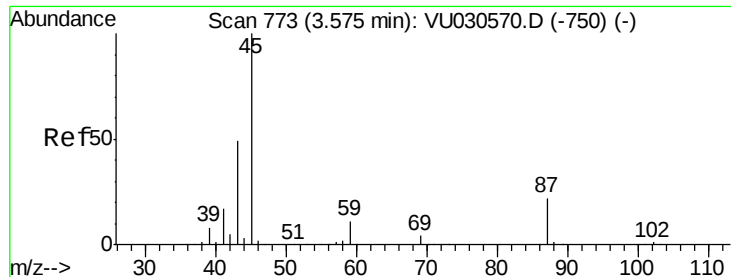


Abundance Ion 117.00 (116.70 to 117.70): VU030570.D (-1236) (-)

Ion 119.00 (118.70 to 119.70): VU030570.D (-1236) (-)

Ion 121.00 (120.70 to 121.70): VU030570.D (-1236) (-)





#31

Isopropyl Ether

Concen: 2.637 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

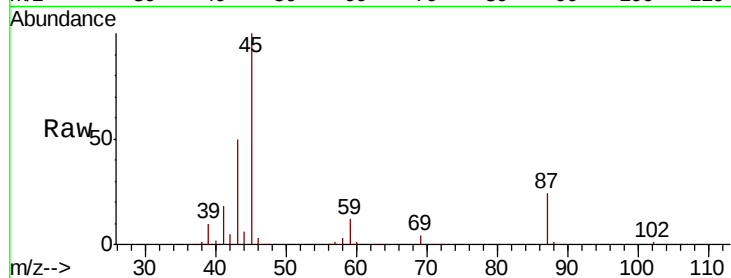
ClientSampled :

Tot Ion: 45 Resp: 105715

Ion Ratio Lower Upper

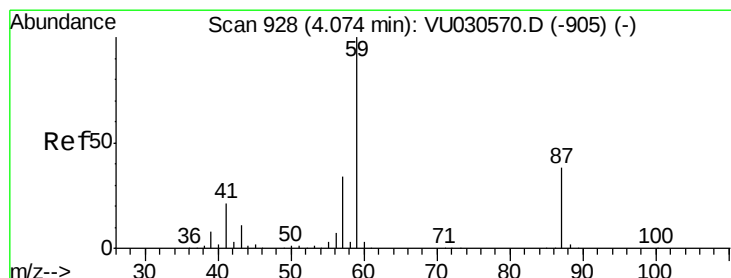
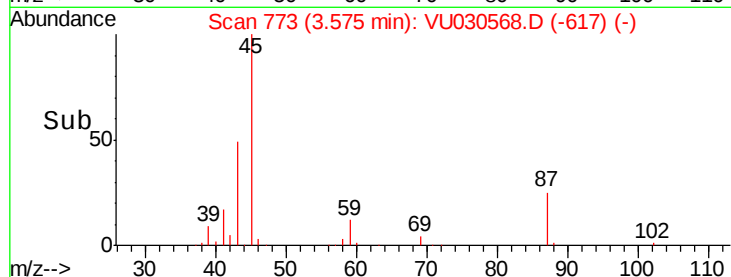
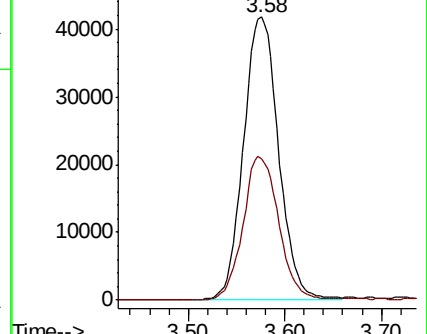
45 100

43 51.5 25.0 75.0



Abundance Ion 45.00 (44.70 to 45.70): VU030570.D (-750) (-)

Ion 43.00 (42.70 to 43.70): VU030570.D (-750) (-)



#32

Ethyl-t-butyl ether

Concen: 2.249 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU030568.D

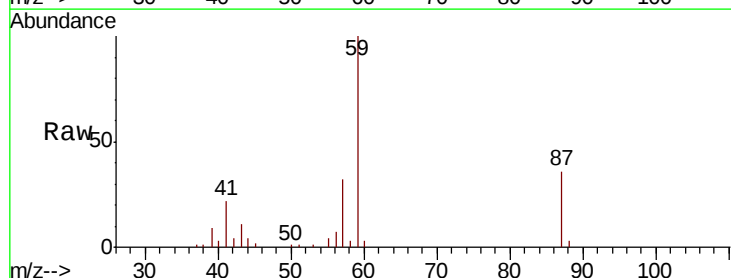
Acq: 30 Mar 2019 10:48

Tgt Ion: 59 Resp: 83468

Ion Ratio Lower Upper

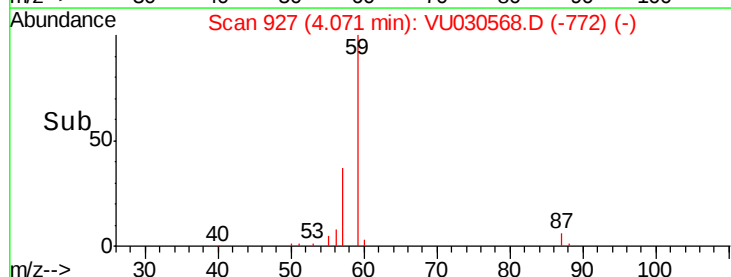
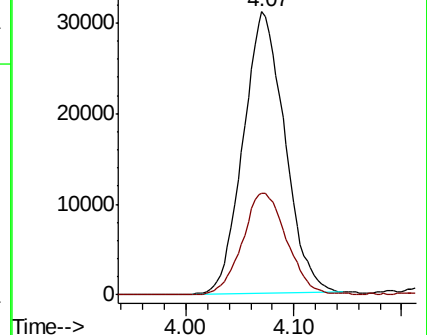
59 100

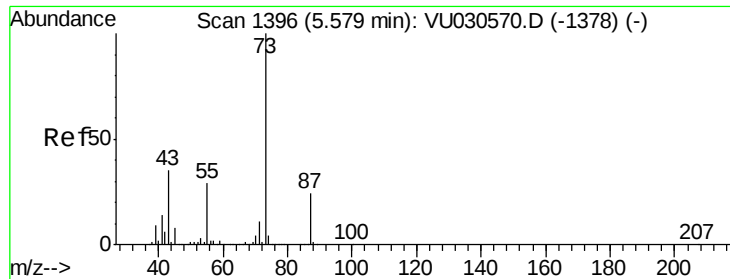
87 37.7 30.1 45.1



Abundance Ion 59.00 (58.70 to 59.70): VU030570.D (-905) (-)

Ion 87.00 (86.70 to 87.70): VU030570.D (-905) (-)

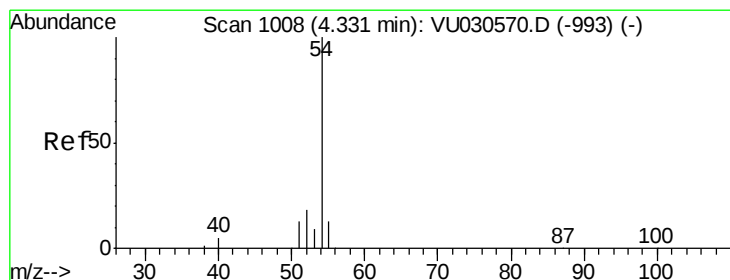
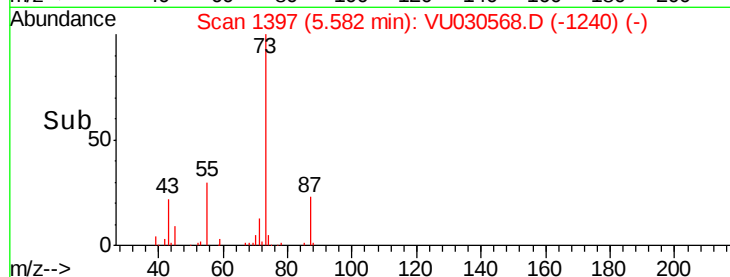
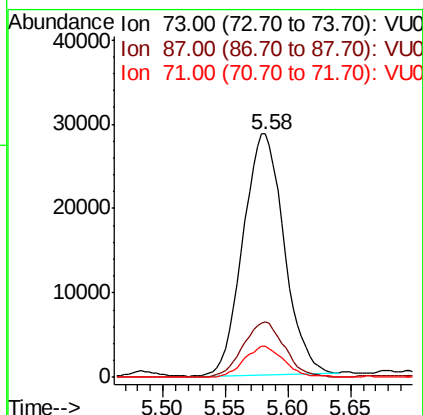
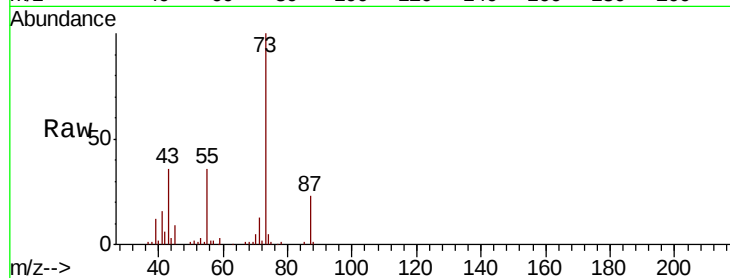




#33
Tert-Butyl methyl ether
Concen: 1.945 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

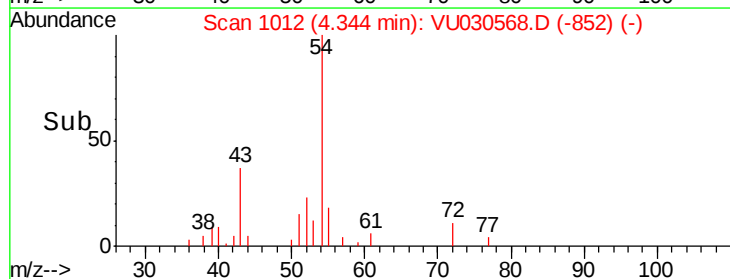
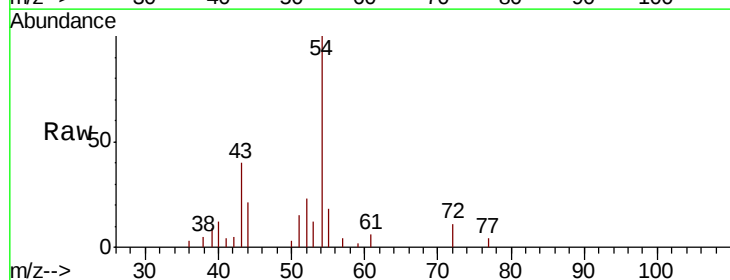
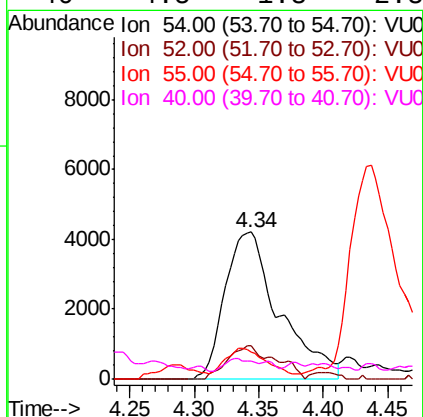
Instrument :
MSVOA_U
ClientSampleId :

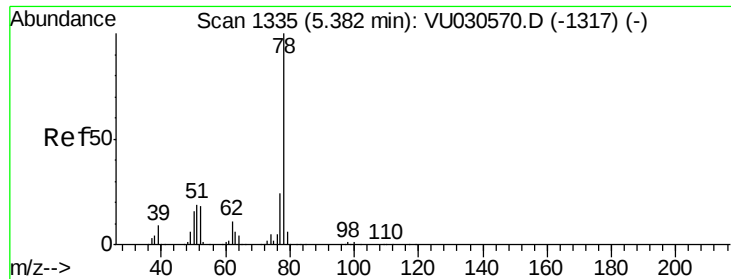
Tot Ion	Ratio	Lower	Upper
73	100		
87	23.3	18.6	27.8
71	12.7	9.0	13.4



#34
Propionitrile
Concen: 11.697 ug/l
RT: 4.34 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.8	14.1	21.1
55	12.2	10.4	15.6
40	4.5	1.8	2.8





#35

Benzene

Concen: 2.190 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

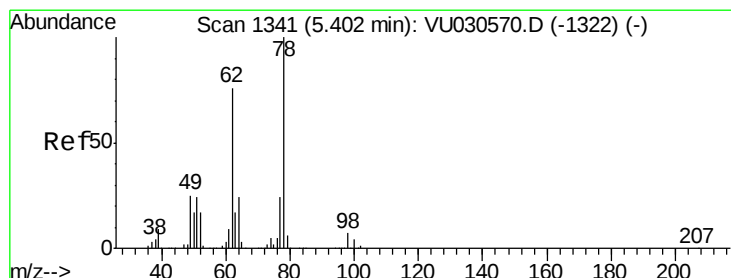
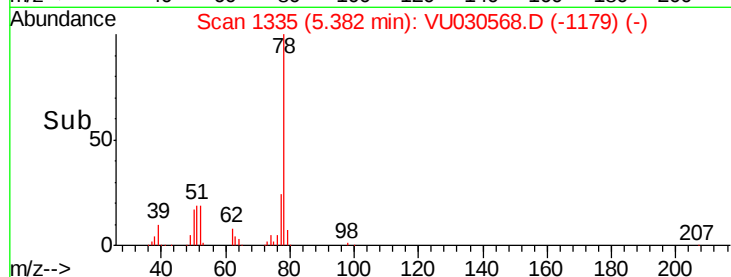
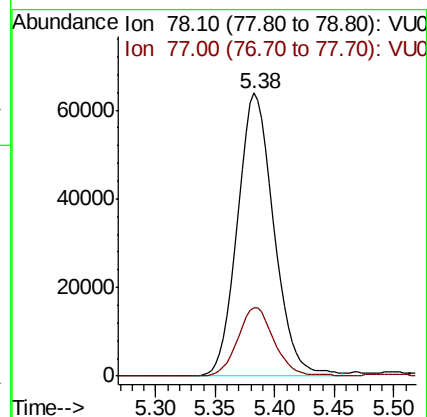
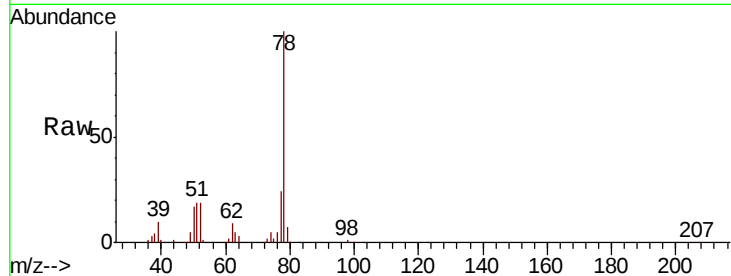
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 135661

Ion Ratio Lower Upper

78 100

77 24.3 19.5 29.3



#36

1,2-Dichloroethane

Concen: 2.444 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030568.D

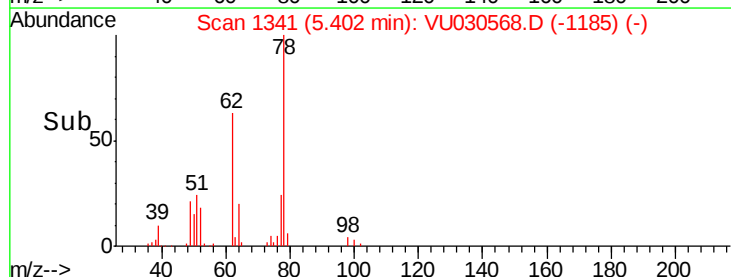
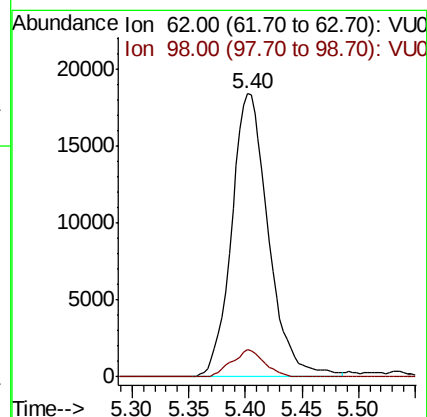
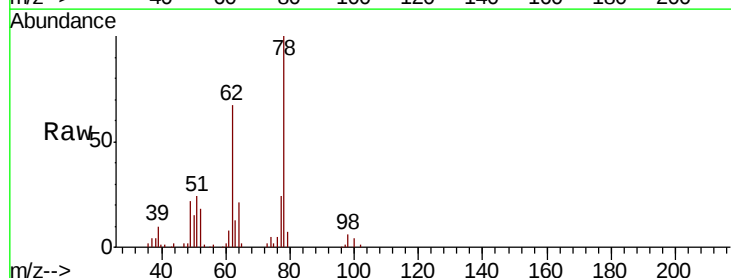
Acq: 30 Mar 2019 10:48

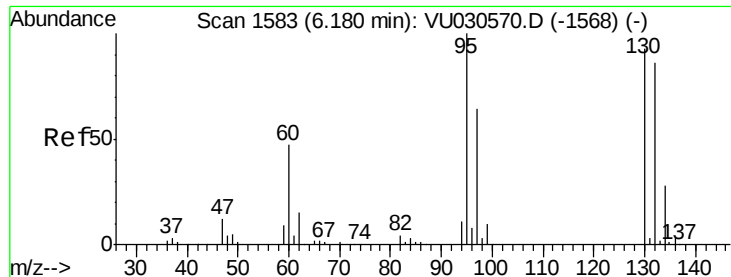
Tgt Ion: 62 Resp: 41602

Ion Ratio Lower Upper

62 100

98 8.4 6.8 10.2

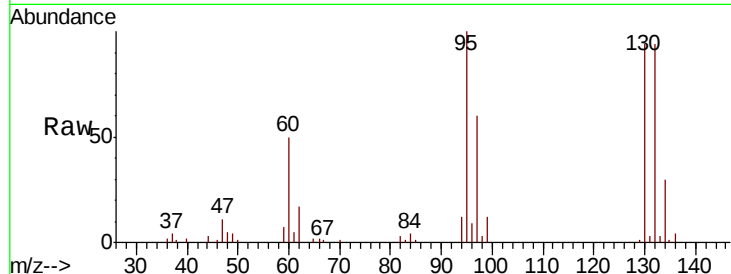




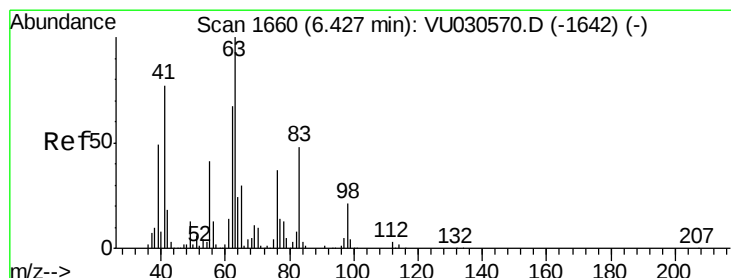
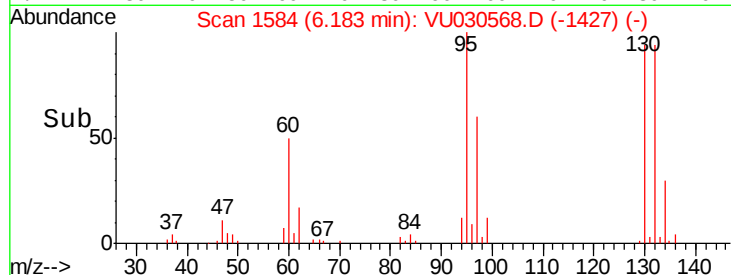
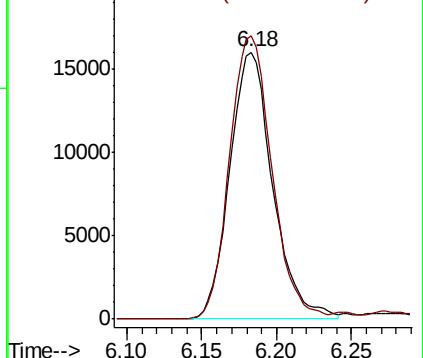
#37
 Trichloroethene
 Concen: 1.855 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:130 Resp: 32043
 Ion Ratio Lower Upper
 130 100
 95 106.1 85.8 128.8

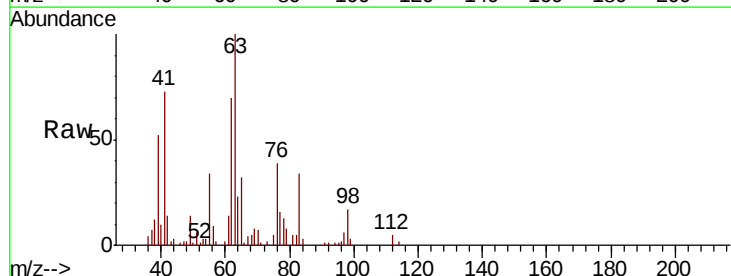


Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)

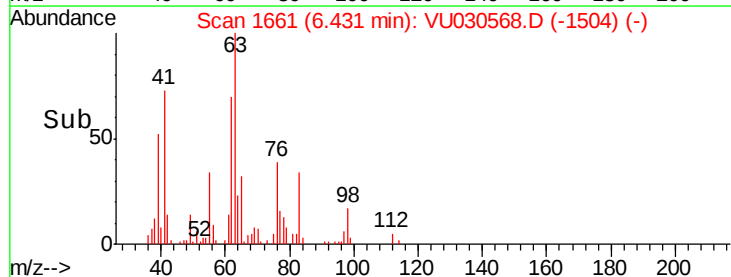
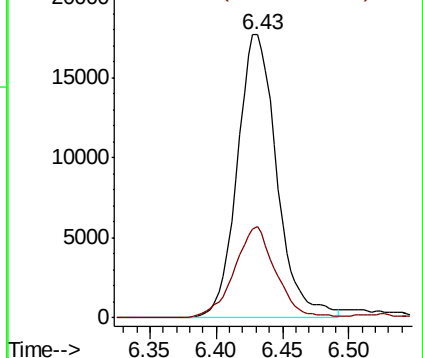


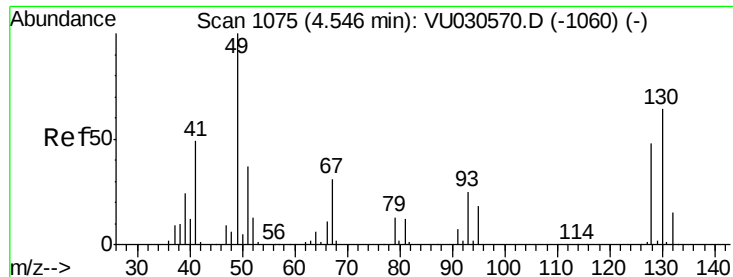
#38
 1,2-Dichloropropane
 Concen: 2.303 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion: 63 Resp: 36873
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU030570.D (-1642) (-)

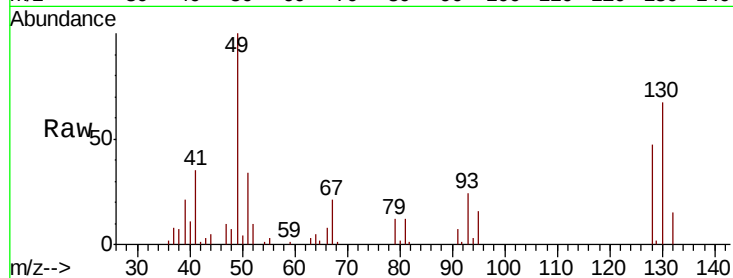




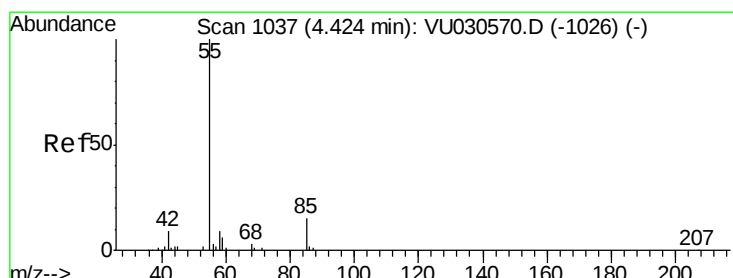
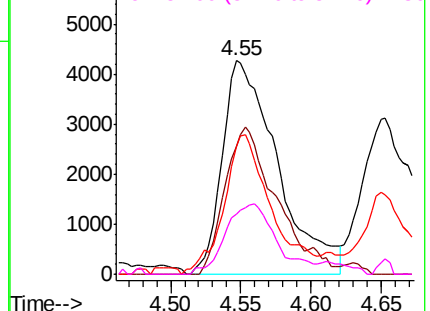
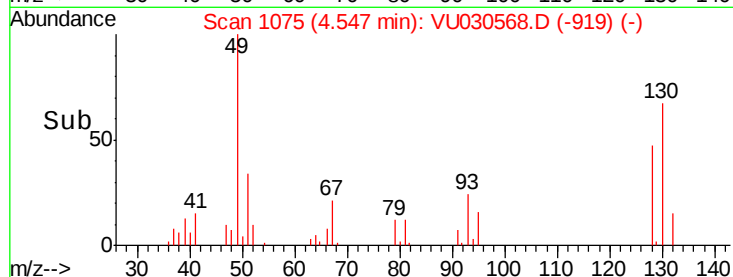
#39
Methacrylonitrile
Concen: 2.496 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 11682
Ion Ratio Lower Upper
41 100
67 64.2 50.2 75.4
39 55.8 40.7 61.1
52 30.3 23.0 34.4

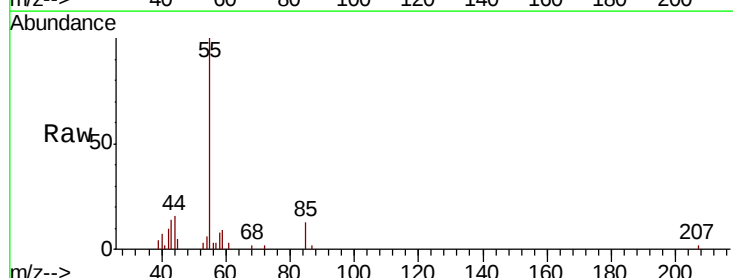


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

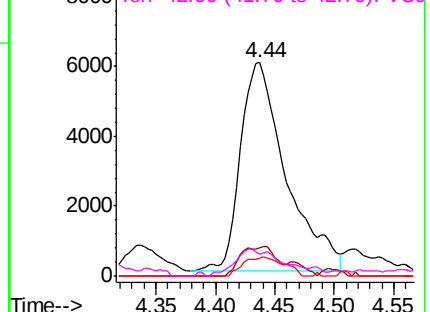
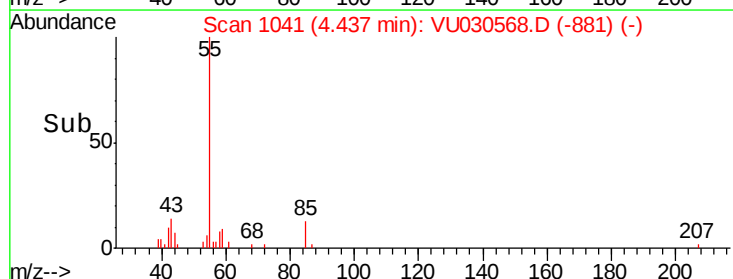


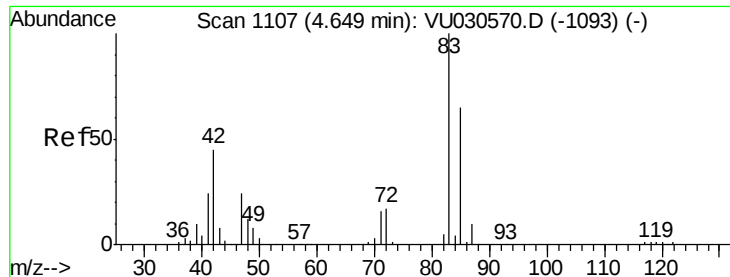
#40
Methyl acrylate
Concen: 2.242 ug/l
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 55 Resp: 15968
Ion Ratio Lower Upper
55 100
85 11.2 12.5 18.7#
58 8.0 6.3 9.5
42 6.9 7.4 11.2#



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 4.846 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampled :

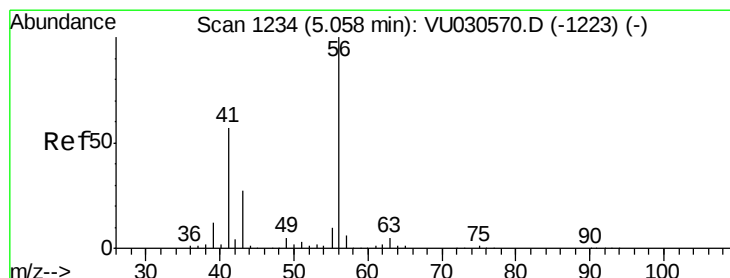
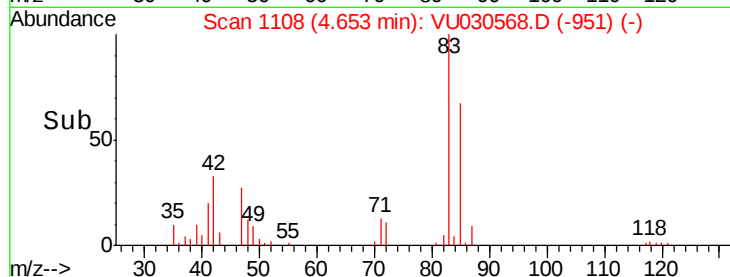
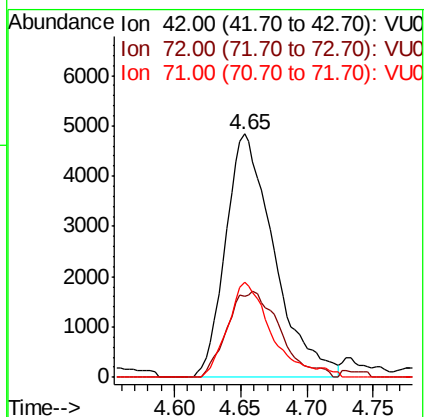
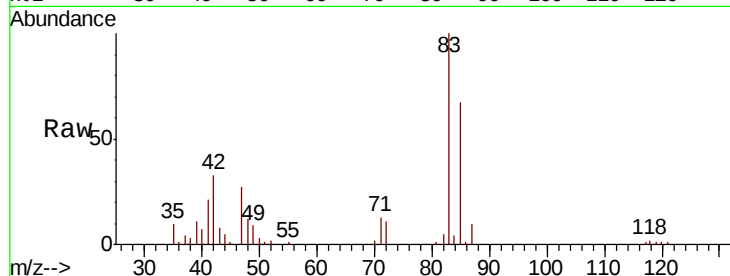
Tot Ion: 42 Resp: 12323

Ion Ratio Lower Upper

42 100

72 38.4 33.4 50.0

71 35.6 28.8 43.2



#42

1-Chlorobutane

Concen: 2.342 ug/l

RT: 5.06 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU030568.D

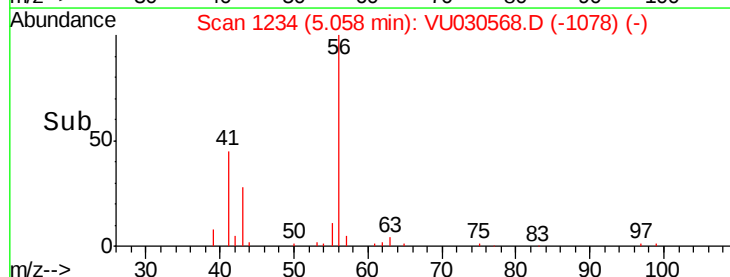
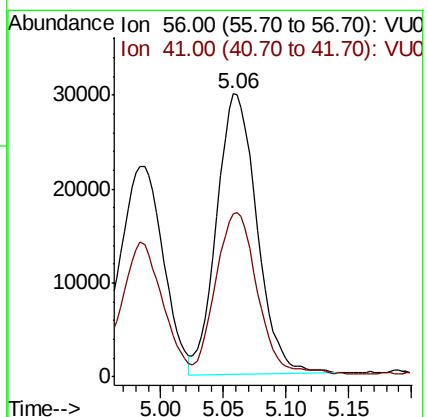
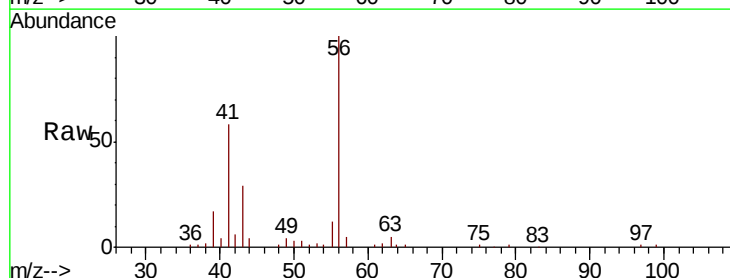
Acq: 30 Mar 2019 10:48

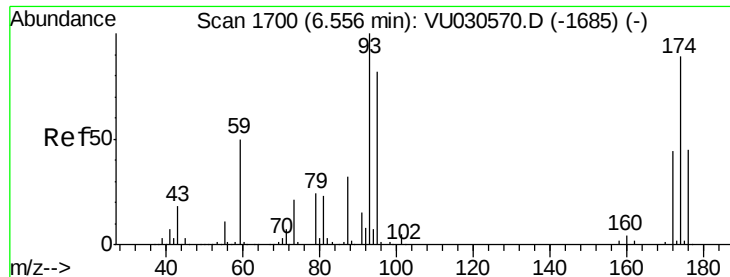
Tgt Ion: 56 Resp: 66837

Ion Ratio Lower Upper

56 100

41 56.5 28.5 85.6

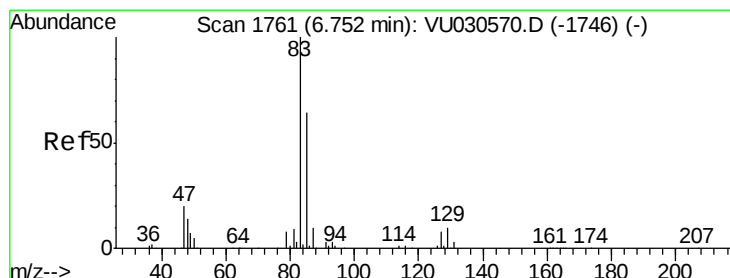
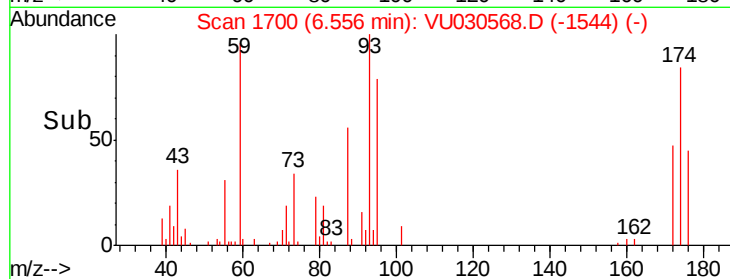
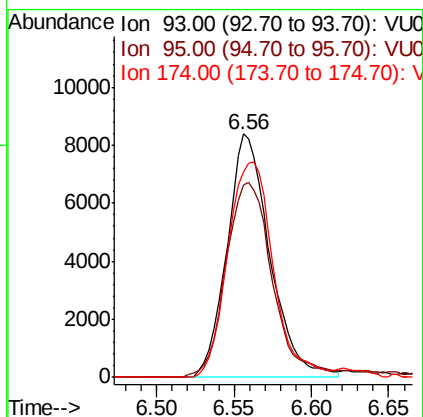
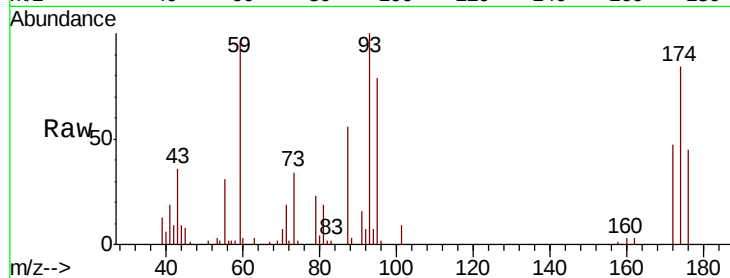




#43
Dibromomethane
Concen: 1.984 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

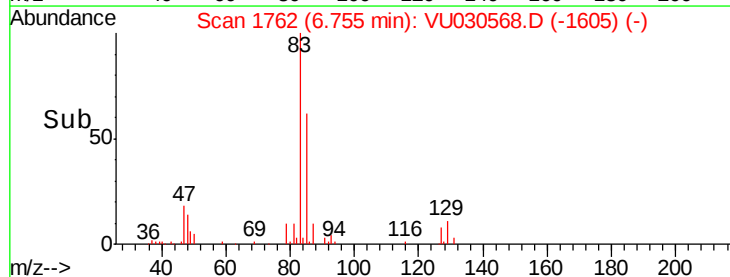
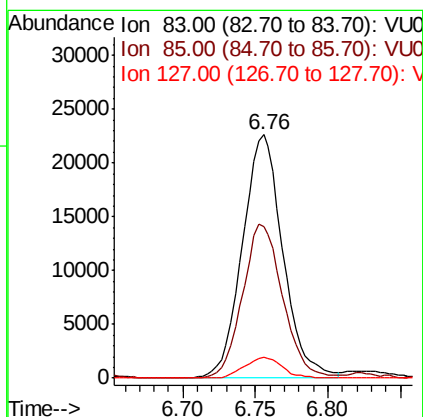
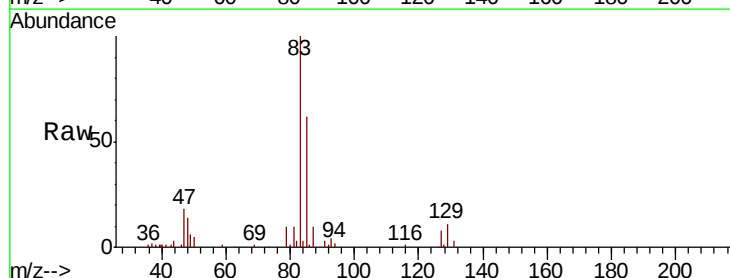
Instrument :
MSVOA_U
ClientSampled :

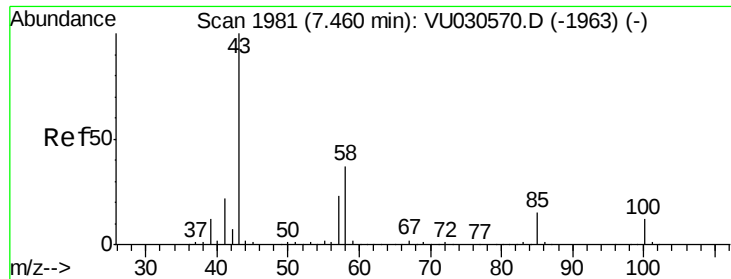
Tot Ion: 93 Resp: 16105
Ion Ratio Lower Upper
93 100
95 87.6 63.9 95.9
174 94.1 71.0 106.4



#44
Bromodichloromethane
Concen: 2.244 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 83 Resp: 43980
Ion Ratio Lower Upper
83 100
85 62.4 51.1 76.7
127 8.4 6.1 9.1





#45

4-Methyl-2-Pentanone

Concen: 12.577 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

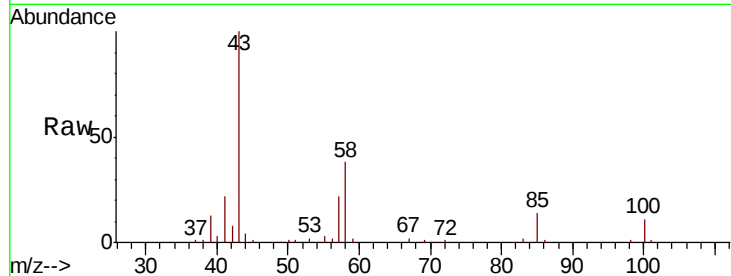
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 107557

Ion	Ratio	Lower	Upper
43	100		
58	35.6	18.6	55.8
85	13.1	11.8	17.6

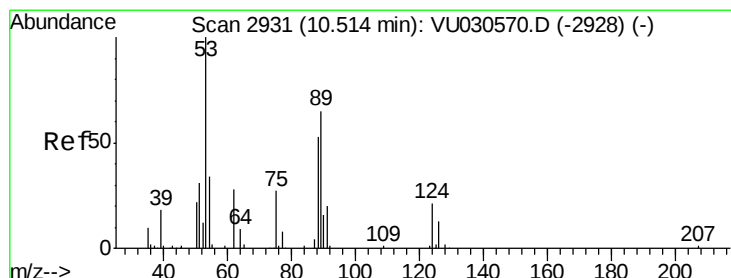
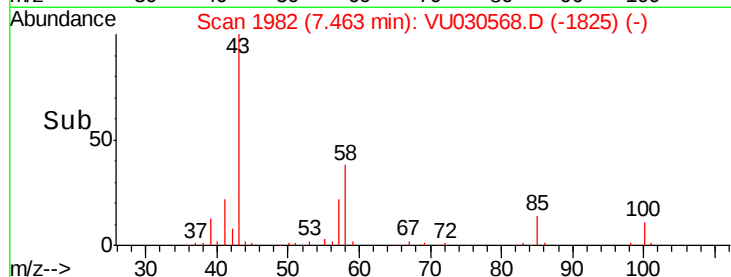
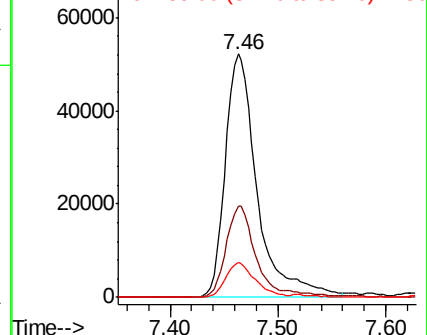


Abundance

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: 11.091 ug/l

RT: 10.49 min Scan# 2924

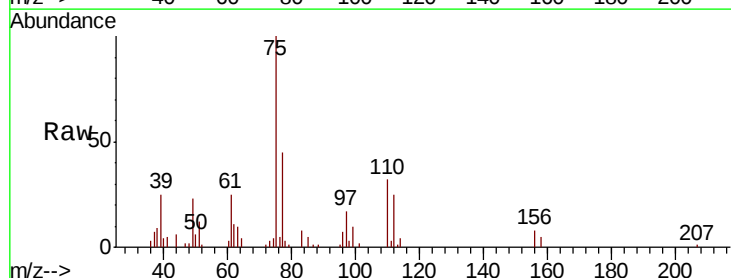
Delta R.T. -0.02 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Tgt Ion: 75 Resp: 34767

Ion	Ratio	Lower	Upper
75	100		
53	32.1	63.4	95.2#
89	16.7	39.1	58.7#
88	14.4	30.4	45.6#



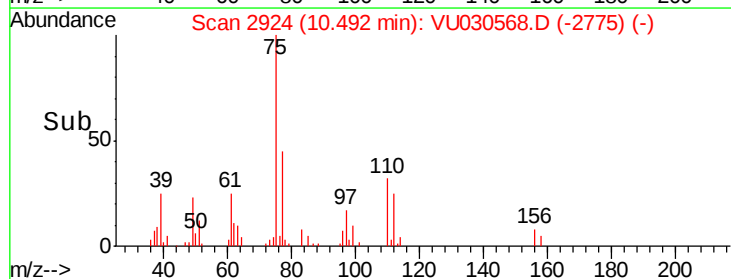
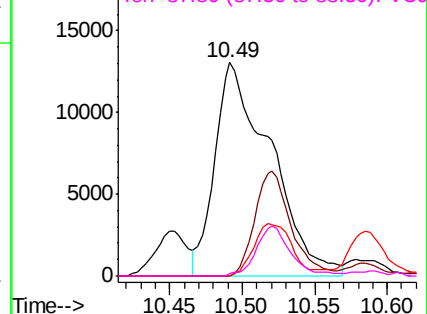
Abundance

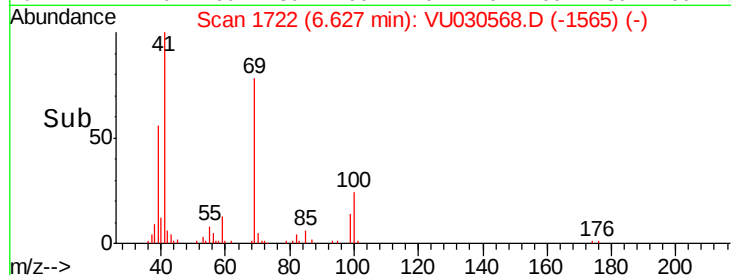
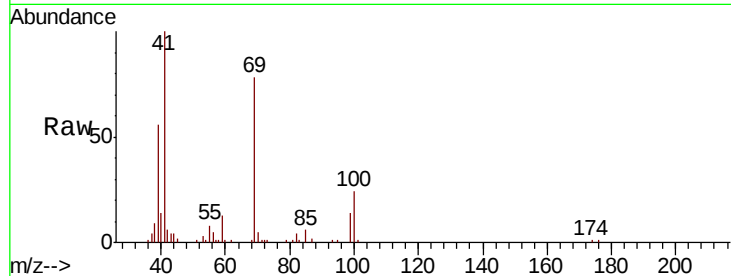
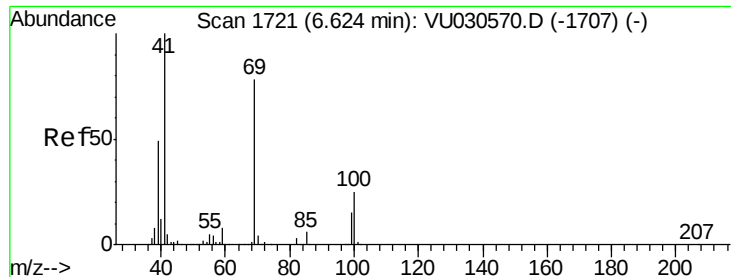
Ion 74.90 (74.60 to 75.60): VU0

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

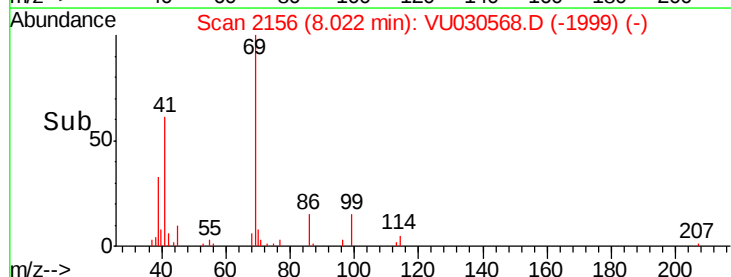
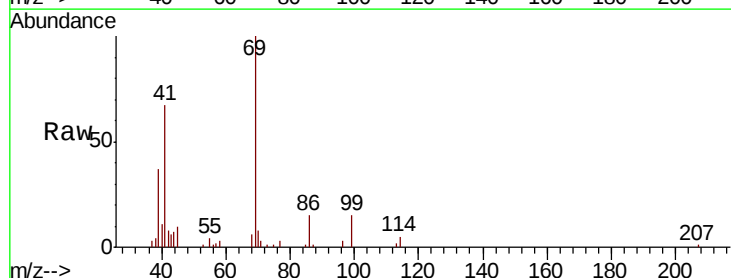
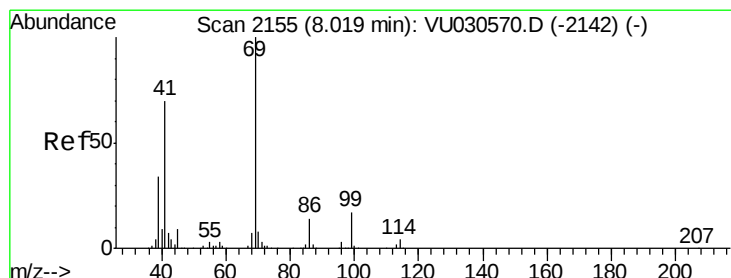
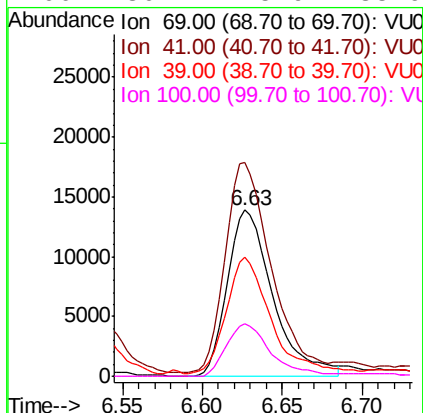




#47
Methyl methacrylate
Concen: 3.930 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

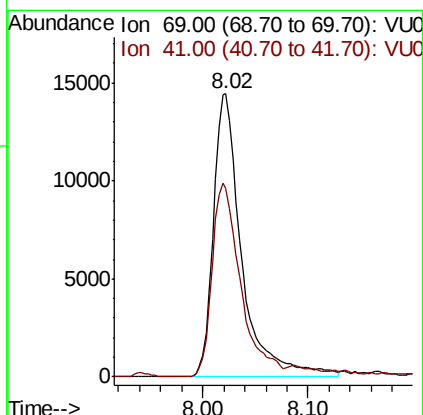
Instrument :
MSVOA_U
ClientSampleId :

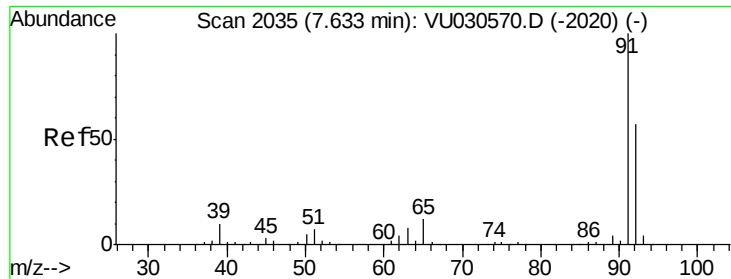
Tot Ion: 69 Resp: 27015
Ion Ratio Lower Upper
69 100
41 127.2 0.0 258.0
39 68.3 51.0 76.4
100 30.7 25.9 38.9



#48
Ethyl methacrylate
Concen: 2.090 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 69 Resp: 26968
Ion Ratio Lower Upper
69 100
41 69.1 36.1 108.5





#49

Toluene

Concen: 2.003 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

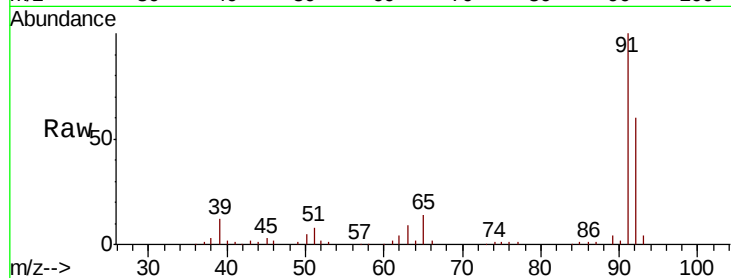
ClientSampleId :

Tot Ion: 92 Resp: 73697

Ion Ratio Lower Upper

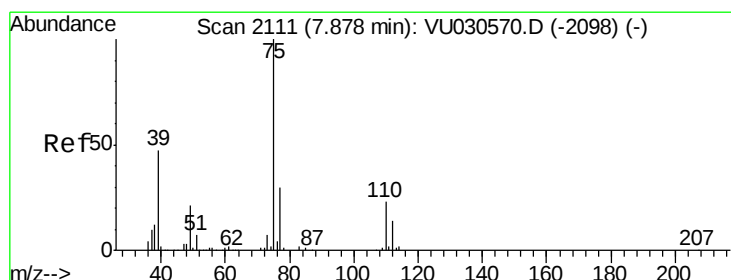
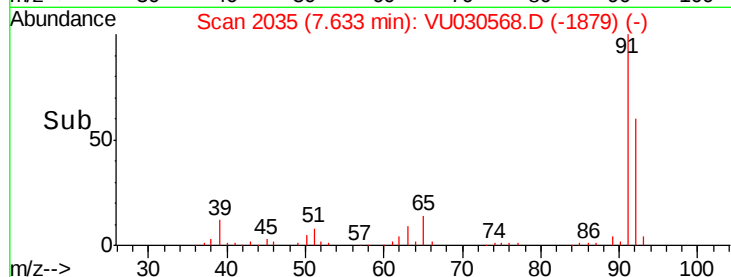
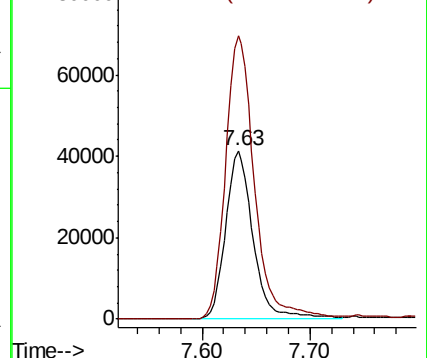
92 100

91 175.7 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU030570.D (-2020) (-)

Ion 91.00 (90.70 to 91.70): VU030570.D (-2020) (-)



#50

t-1,3-Dichloropropene

Concen: 1.997 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030568.D

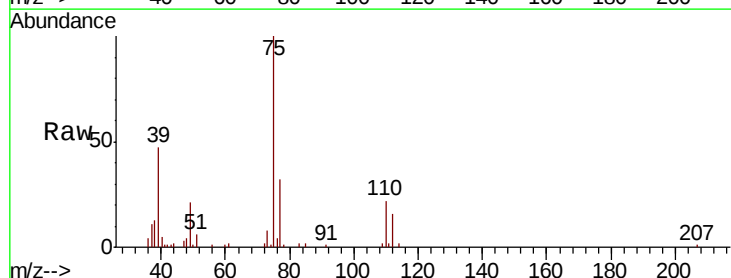
Acq: 30 Mar 2019 10:48

Tgt Ion: 75 Resp: 34877

Ion Ratio Lower Upper

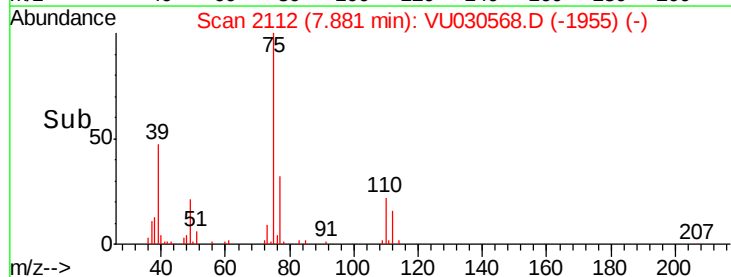
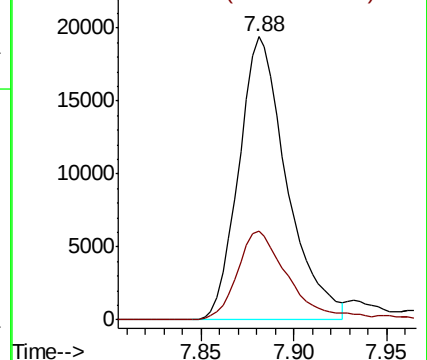
75 100

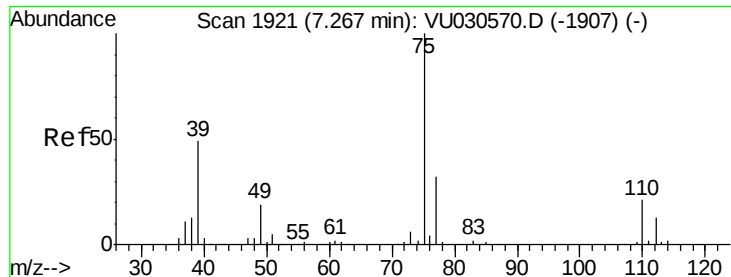
77 31.6 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030570.D (-2098) (-)

Ion 77.00 (76.70 to 77.70): VU030570.D (-2098) (-)



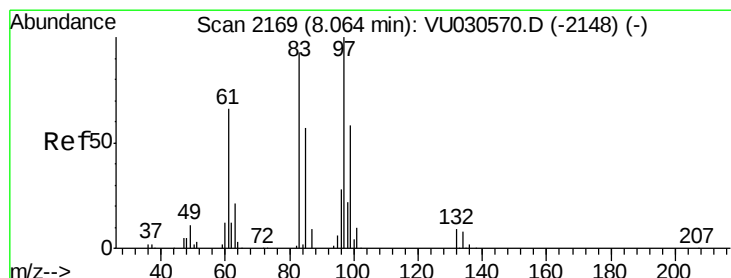
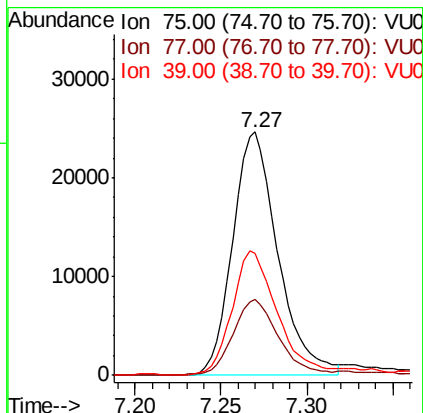
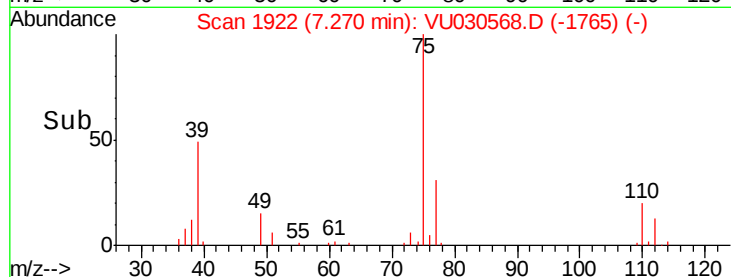
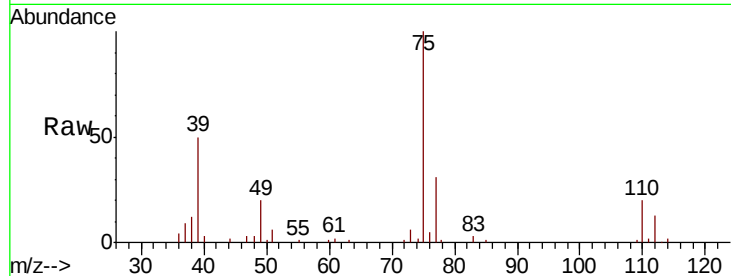


#51

cis-1,3-Dichloropropene
Concen: 2.072 ug/l
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :

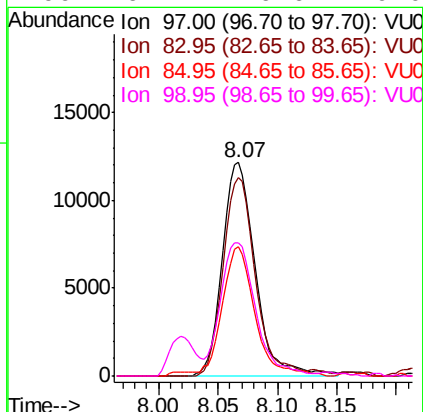
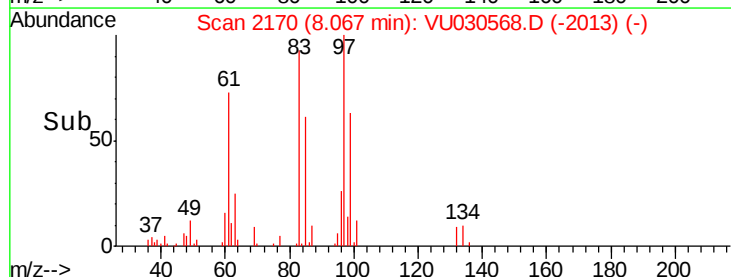
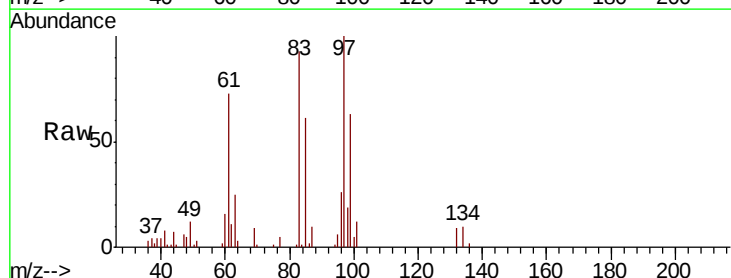
Tot Ion: 75 Resp: 45111
Ion Ratio Lower Upper
75 100
77 30.5 25.8 38.6
39 50.2 39.3 58.9

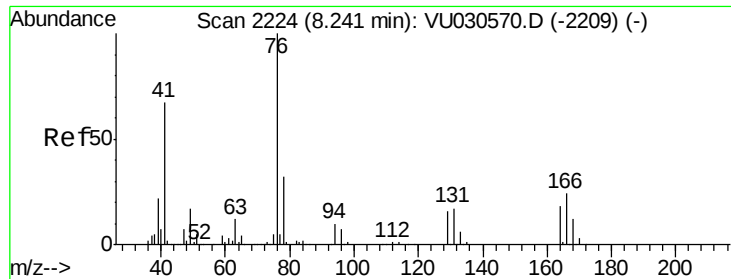


#52

1,1,2-Trichloroethane
Concen: 2.056 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 97 Resp: 23339
Ion Ratio Lower Upper
97 100
83 93.1 74.3 111.5
85 59.9 45.4 68.0
99 61.7 46.6 70.0

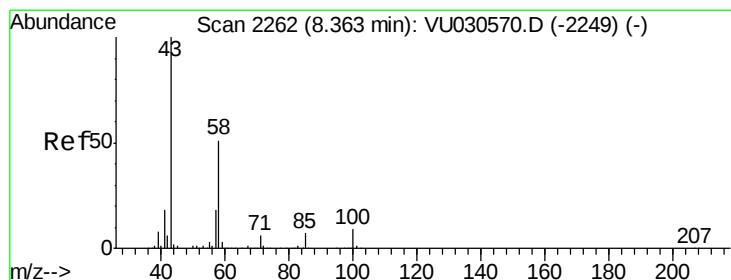
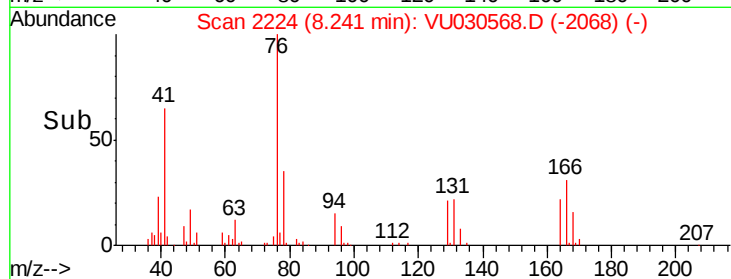
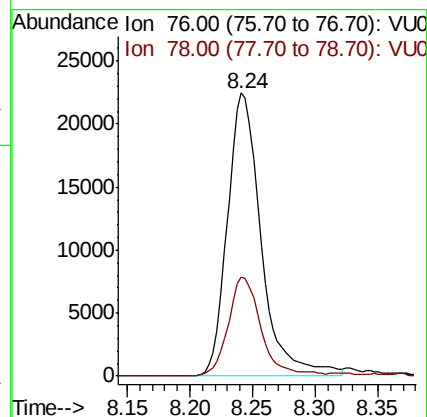
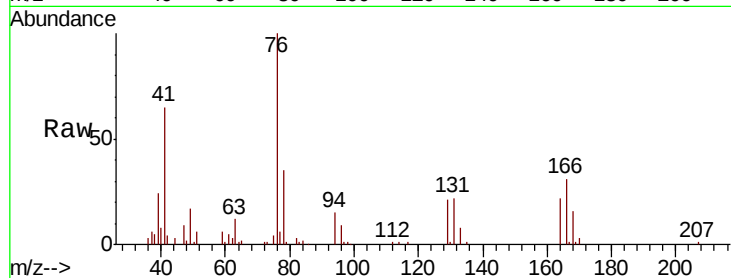




#53
 1,3-Dichloropropane
 Concen: 2.182 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

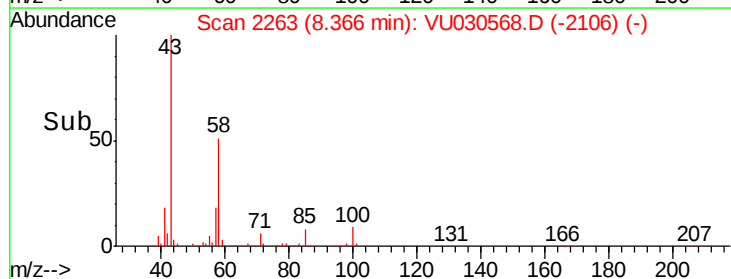
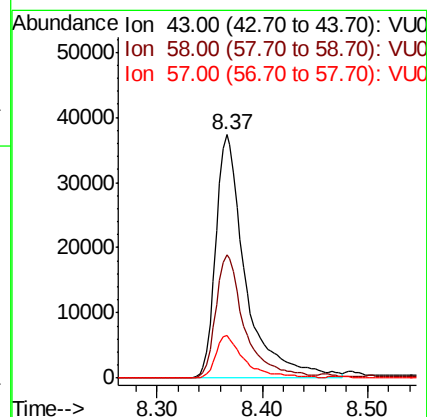
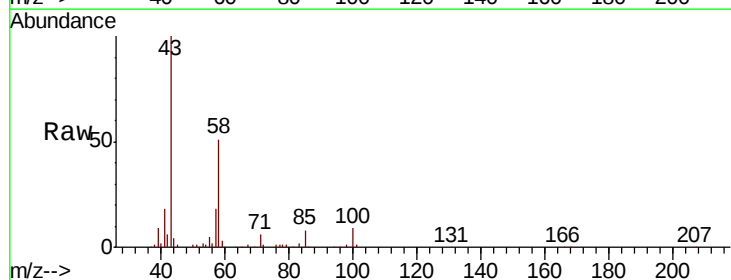
Instrument :
 MSVOA_U
 ClientSampled :

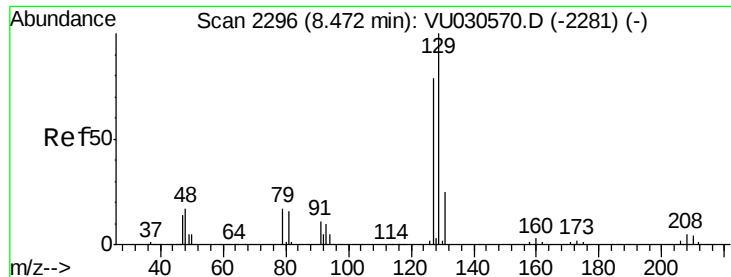
Tot Ion: 76 Resp: 42115
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.3 37.9



#54
 2-Hexanone
 Concen: 12.051 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion: 43 Resp: 73497
 Ion Ratio Lower Upper
 43 100
 58 49.2 32.5 72.5
 57 17.0 0.0 37.6

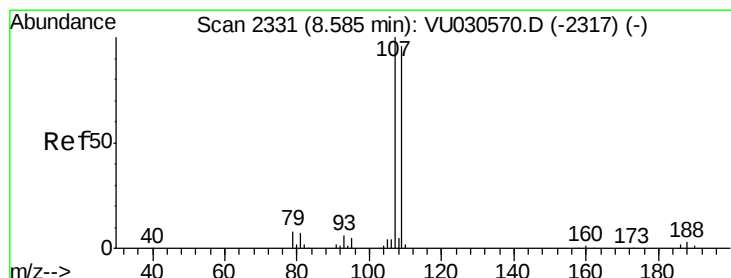
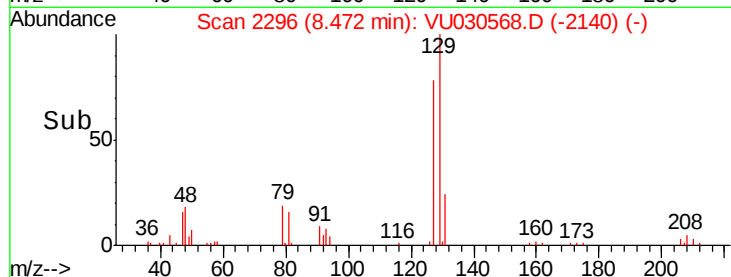
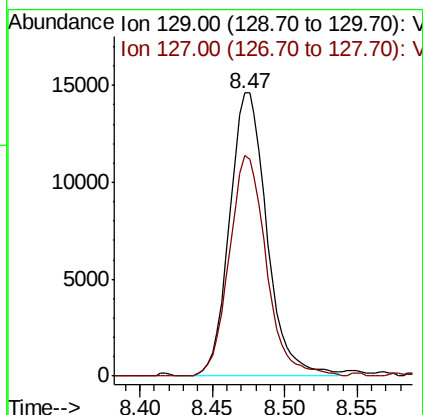
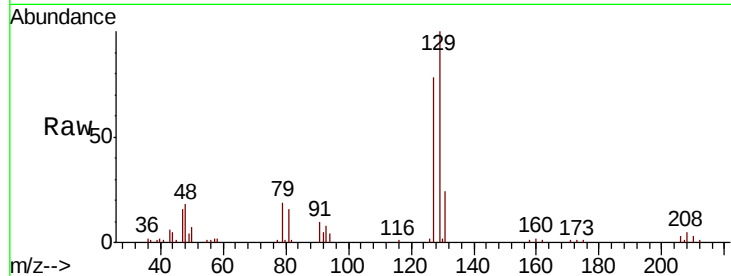




#55
 Dibromochloromethane
 Concen: 1.940 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

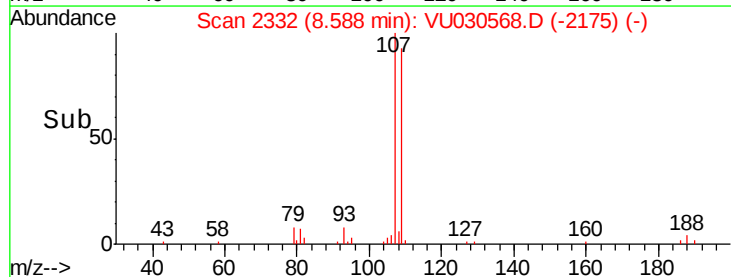
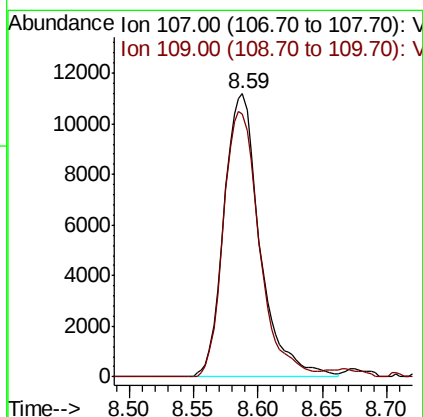
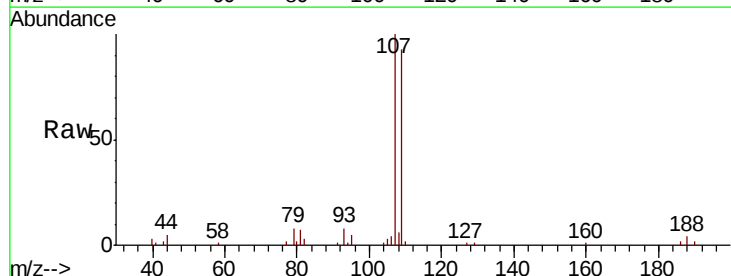
Instrument :
 MSVOA_U
 ClientSampleId :

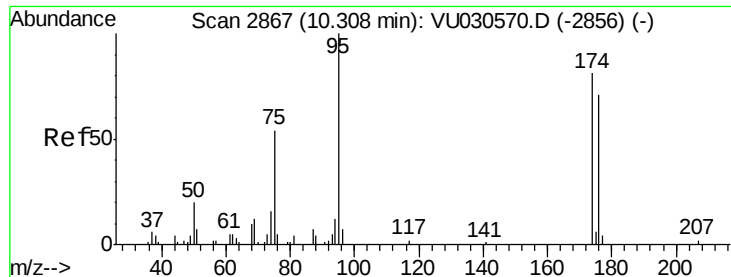
Tot Ion:129 Resp: 26210
 Ion Ratio Lower Upper
 129 100
 127 77.4 62.2 93.4



#56
 1,2-Dibromoethane
 Concen: 2.006 ug/l
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion:107 Resp: 21693
 Ion Ratio Lower Upper
 107 100
 109 93.7 0.0 190.0





#57

4-Bromofluorobenzene

Concen: 2.006 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

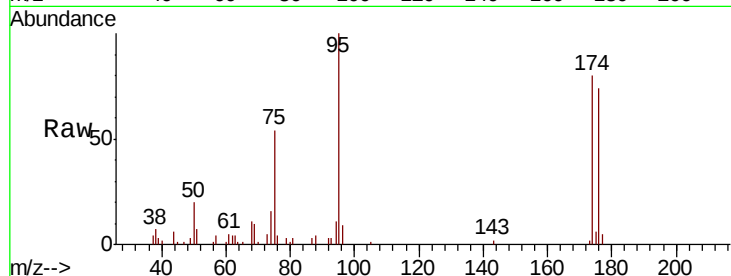
Tot Ion: 95 Resp: 20129

Ion Ratio Lower Upper

95 100

174 78.3 60.5 90.7

176 73.2 57.9 86.9

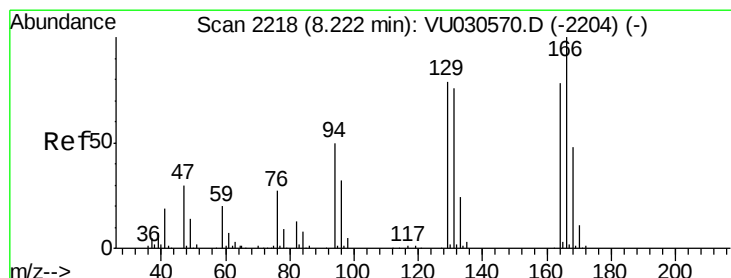
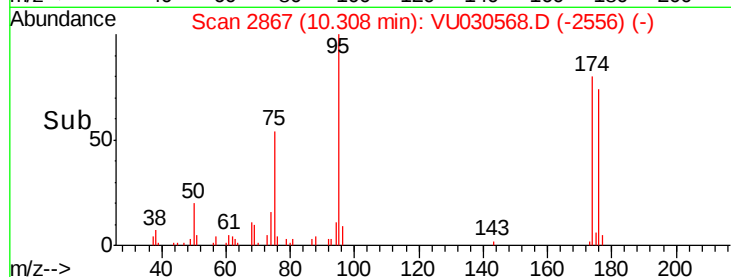
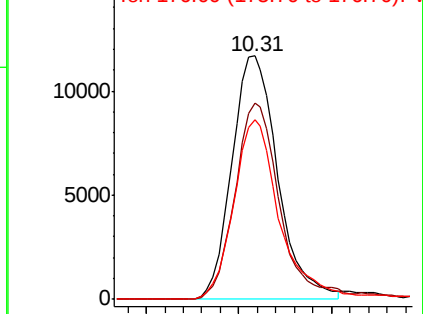


Abundance

Ion 95.00 (94.70 to 95.70): VU030568.D (-2556) (-)

Ion 174.00 (173.70 to 174.70): VU030568.D (-2556) (-)

Ion 176.00 (175.70 to 176.70): VU030568.D (-2556) (-)



#58

Tetrachloroethene

Concen: 1.879 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Tgt Ion: 164 Resp: 29416

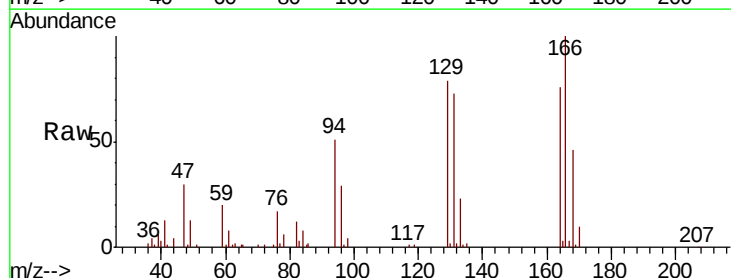
Ion Ratio Lower Upper

164 100

166 131.6 102.4 153.6

129 103.5 81.4 122.0

131 96.1 77.7 116.5



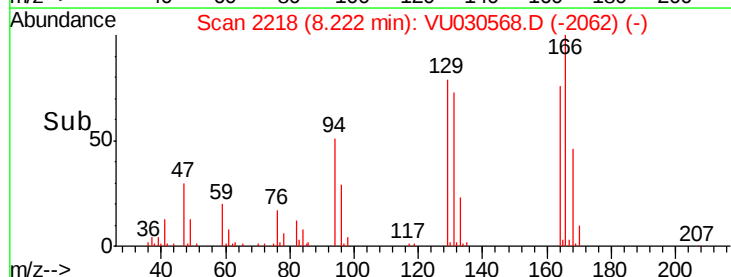
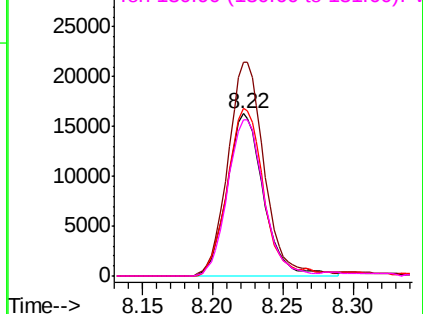
Abundance

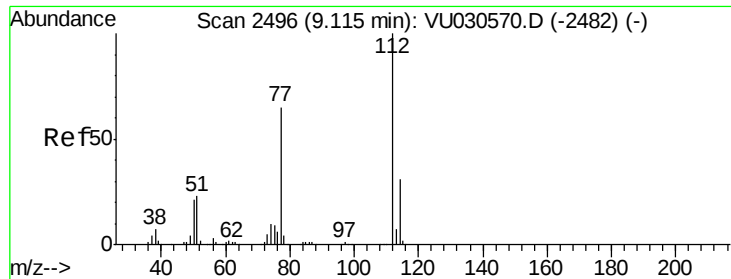
Ion 163.85 (163.55 to 164.55): VU030568.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU030568.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU030568.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU030568.D (-2062) (-)

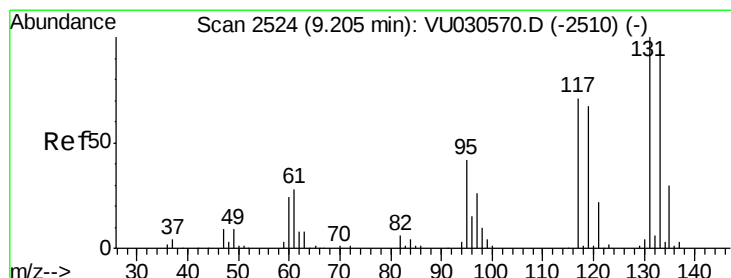
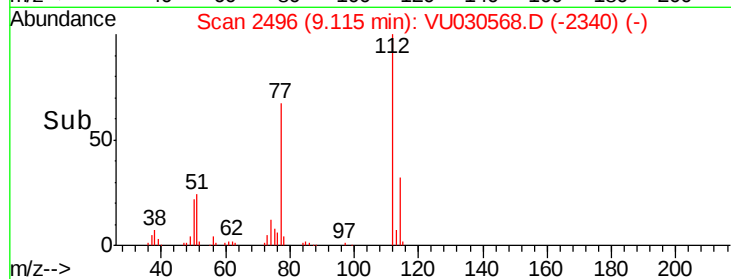
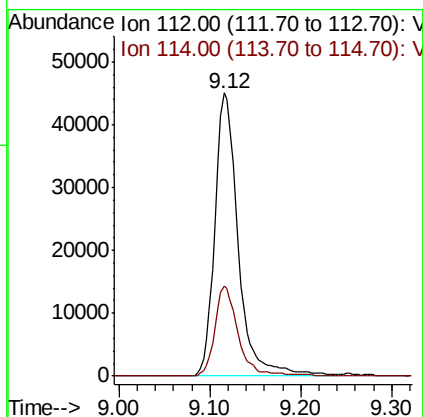
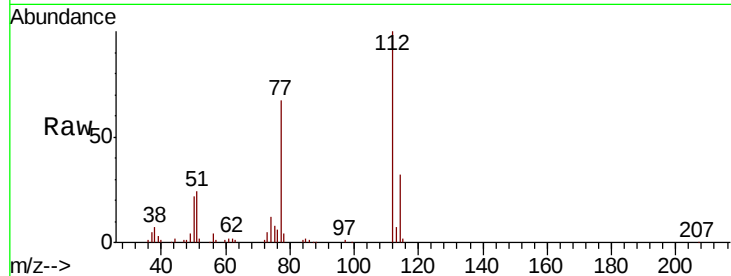




#59
Chlorobenzene
Concen: 1.942 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

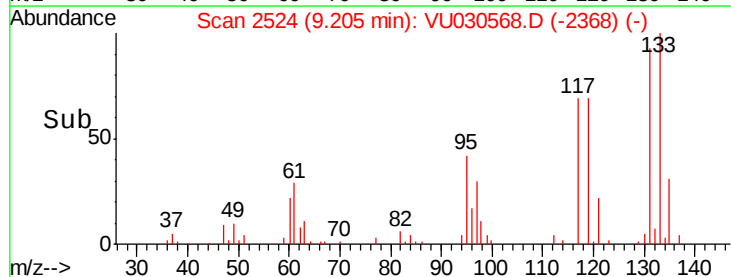
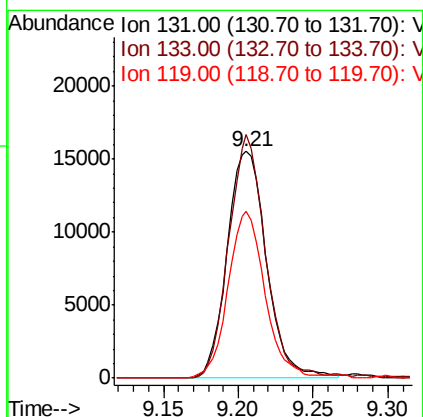
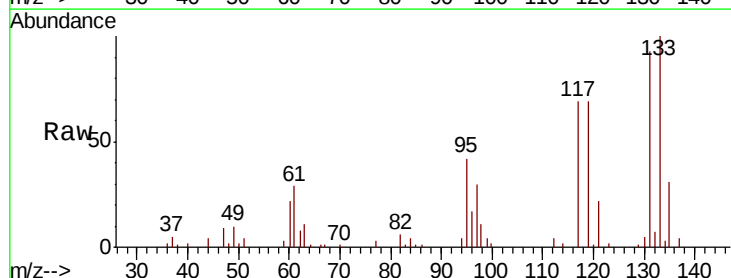
Instrument :
MSVOA_U
ClientSampled :

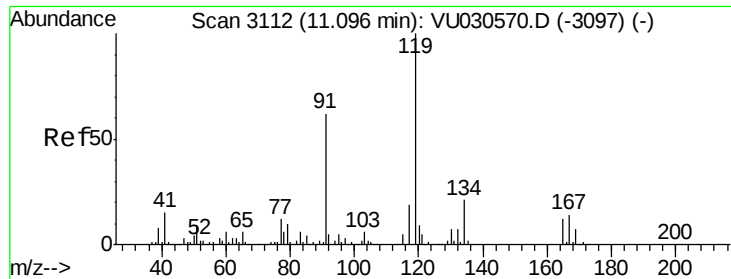
Tot Ion:112 Resp: 80945
Ion Ratio Lower Upper
112 100
114 31.9 24.9 37.3



#60
1,1,1,2-Tetrachloroethane
Concen: 1.952 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion:131 Resp: 28555
Ion Ratio Lower Upper
131 100
133 99.5 77.5 116.3
119 68.6 53.2 79.8

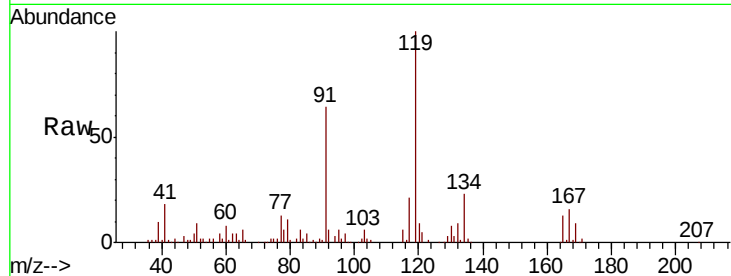




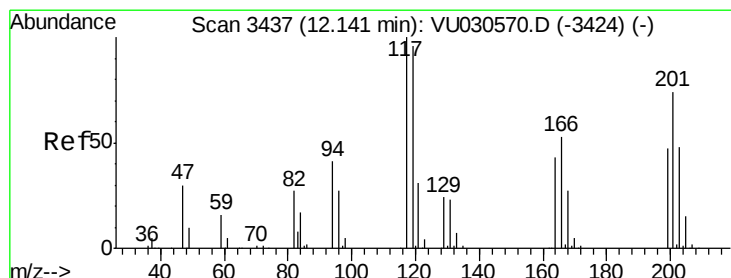
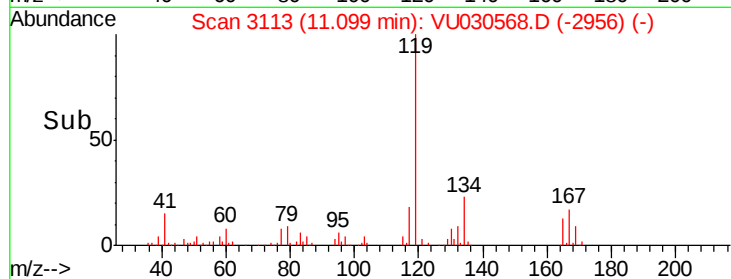
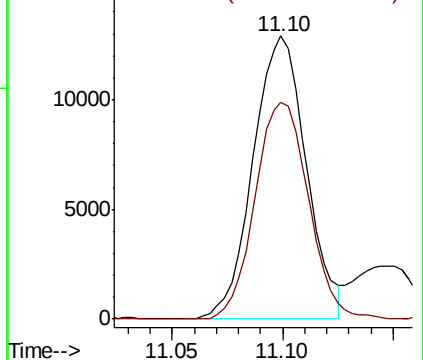
#61
 Pentachloroethane
 Concen: 1.886 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:117 Resp: 21478
 Ion Ratio Lower Upper
 117 100
 167 77.3 62.6 93.8

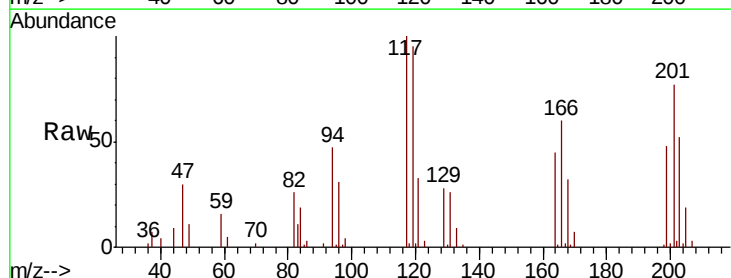


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

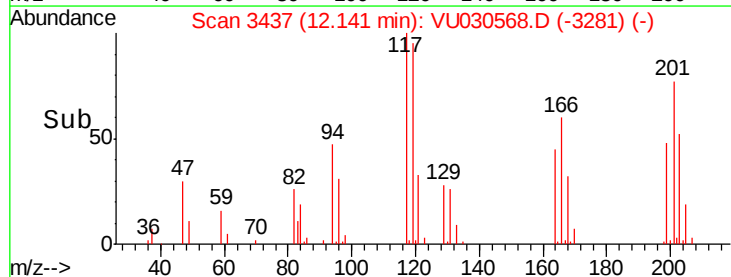
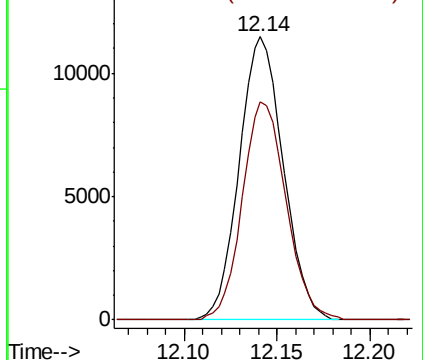


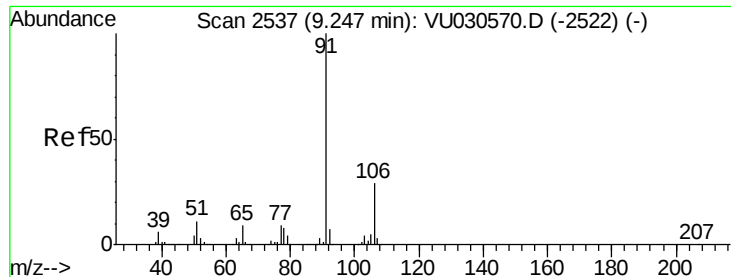
#62
 Hexachloroethane
 Concen: 1.694 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion:117 Resp: 18875
 Ion Ratio Lower Upper
 117 100
 201 77.0 59.1 88.7



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V

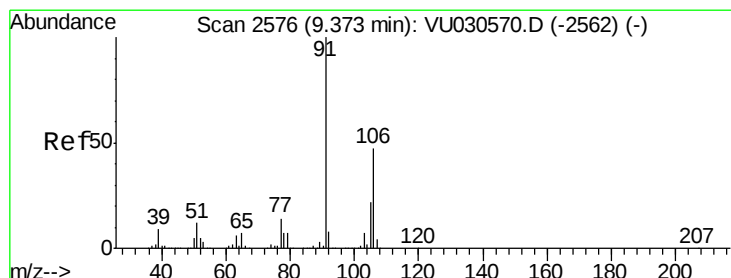
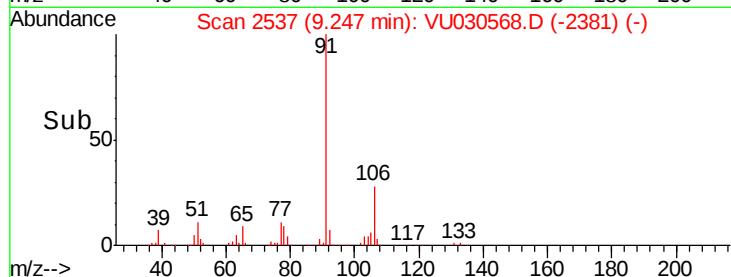
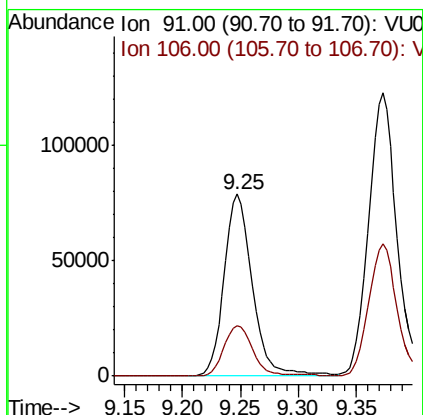
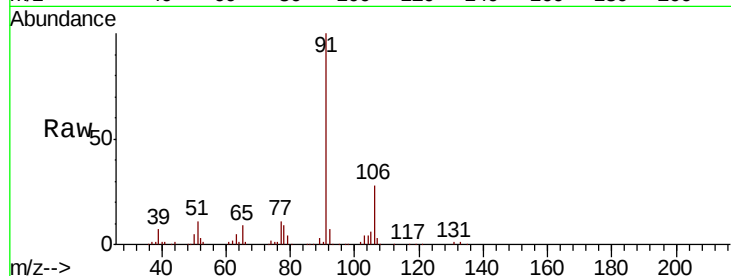




#63
Ethyl Benzene
Concen: 1.919 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

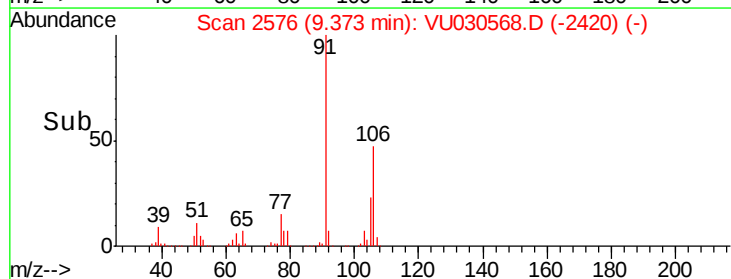
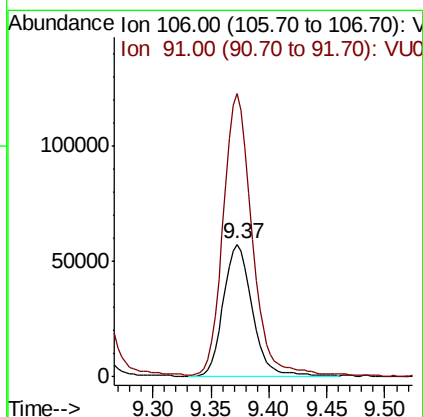
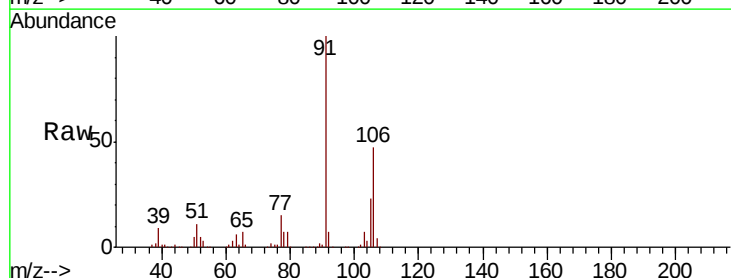
Instrument :
MSVOA_U
ClientSampled :

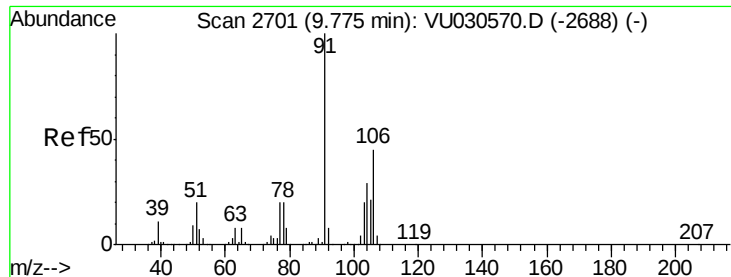
Tot Ion: 91 Resp: 133344
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7



#64
m/p-Xylenes
Concen: 3.659 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 106 Resp: 98216
Ion Ratio Lower Upper
106 100
91 211.2 179.4 269.0





#65

o-Xylene

Concen: 1.803 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

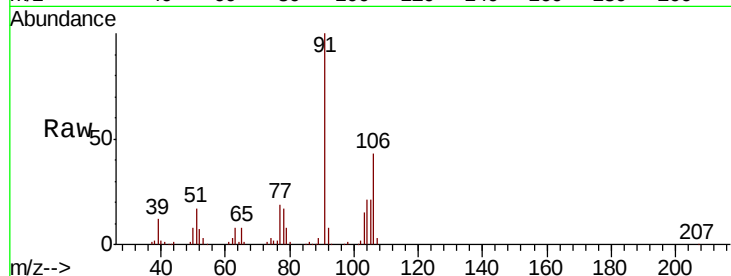
ClientSampled :

Tot Ion:106 Resp: 47424

Ion Ratio Lower Upper

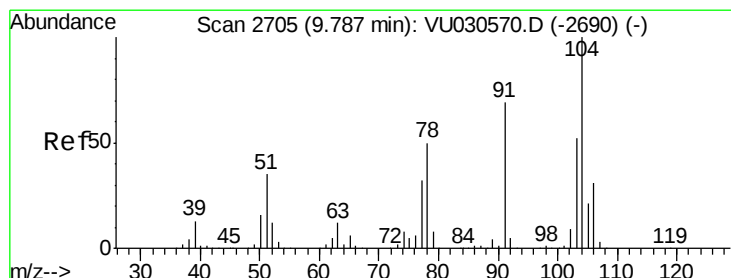
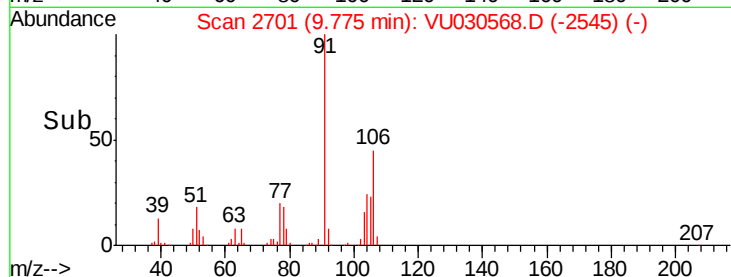
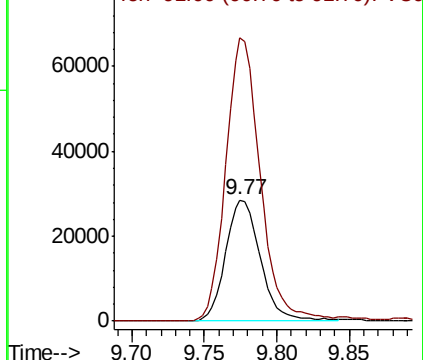
106 100

91 231.4 115.5 346.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.845 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

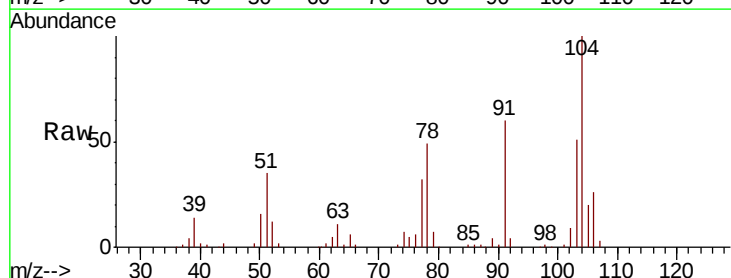
Tgt Ion:104 Resp: 80193

Ion Ratio Lower Upper

104 100

78 56.0 42.3 63.5

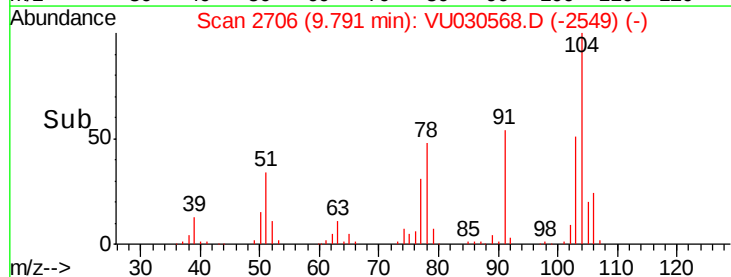
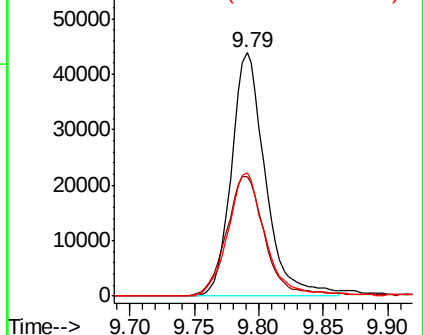
103 55.6 44.7 67.1

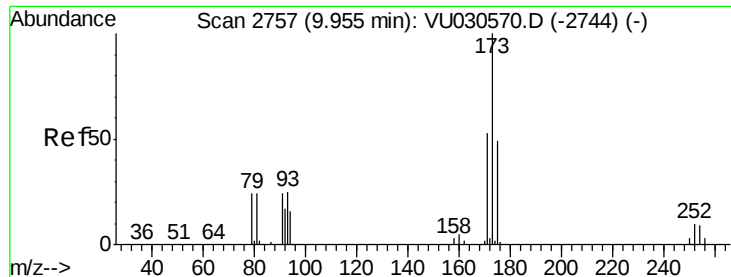


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

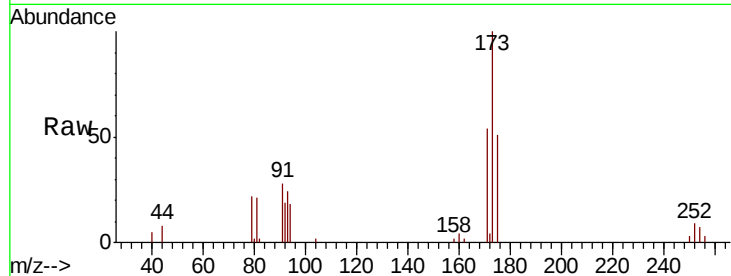




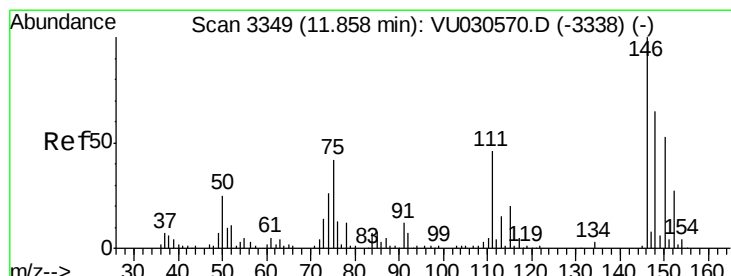
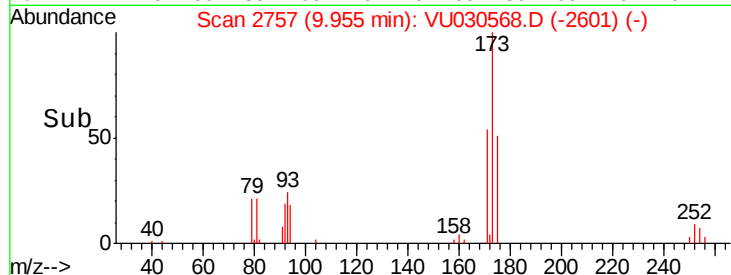
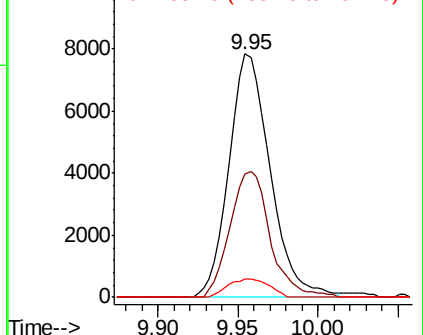
#67
Bromoform
Concen: 1.803 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:173 Resp: 13803
Ion Ratio Lower Upper
173 100
175 50.1 38.6 57.8
254 7.6 6.9 10.3

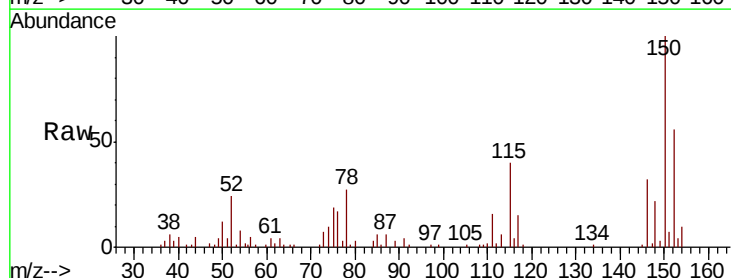


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

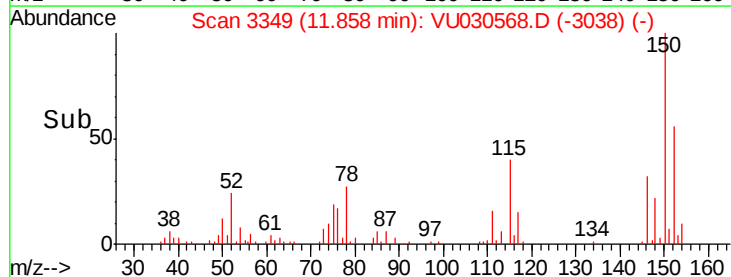
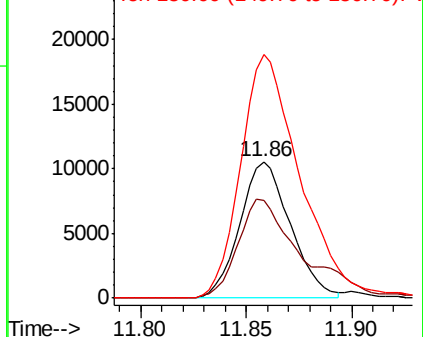


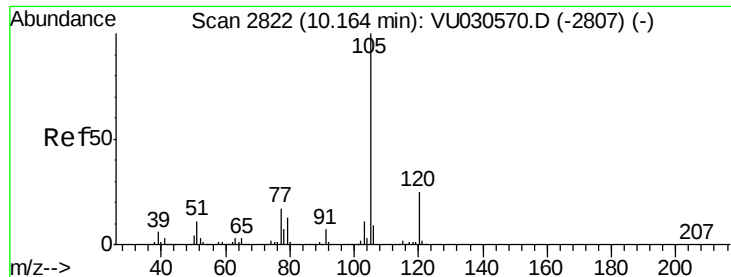
#68
1,2-Dichlorobenzene-d4
Concen: 1.803 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion:152 Resp: 17536
Ion Ratio Lower Upper
152 100
115 92.1 0.0 136.2
150 212.1 0.0 634.6



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





#69

Isopropylbenzene

Concen: 1.851 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

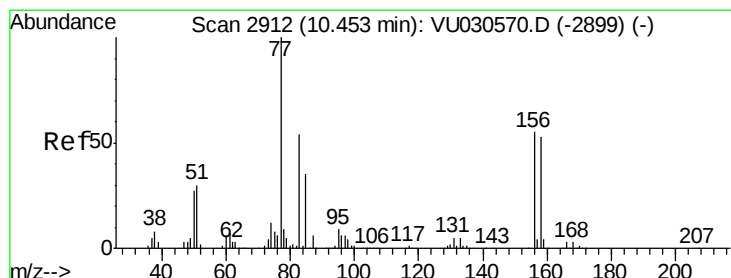
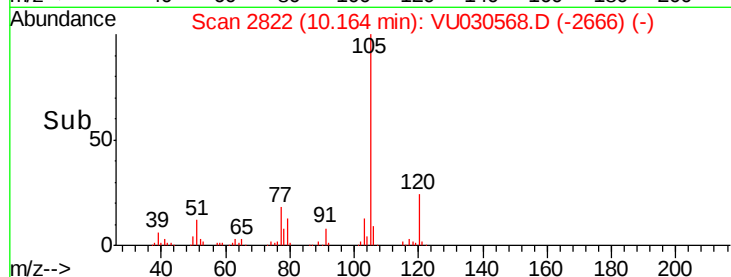
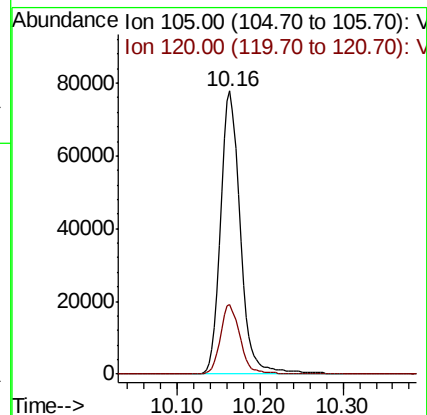
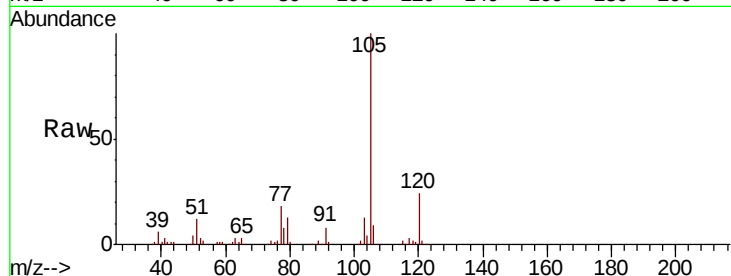
ClientSampleId :

Tot Ion:105 Resp: 128172

Ion Ratio Lower Upper

105 100

120 24.6 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 2.238 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

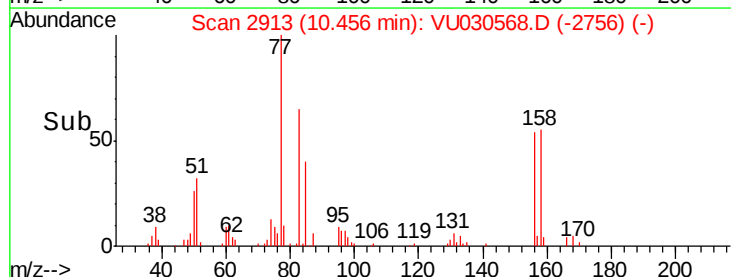
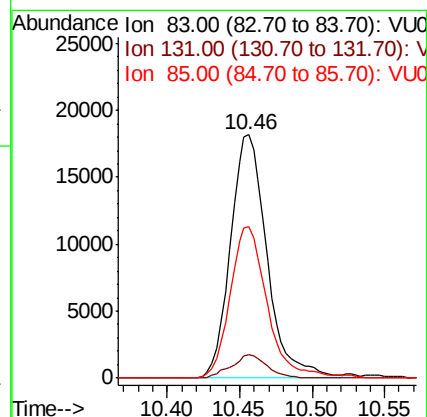
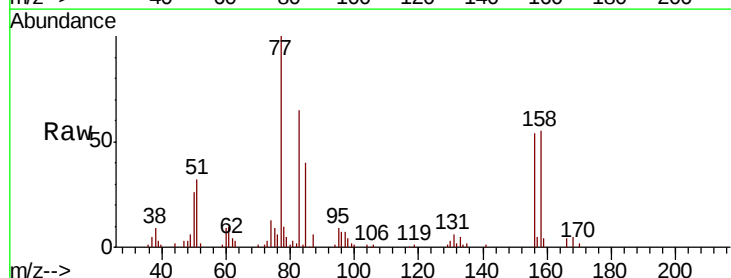
Tgt Ion: 83 Resp: 31817

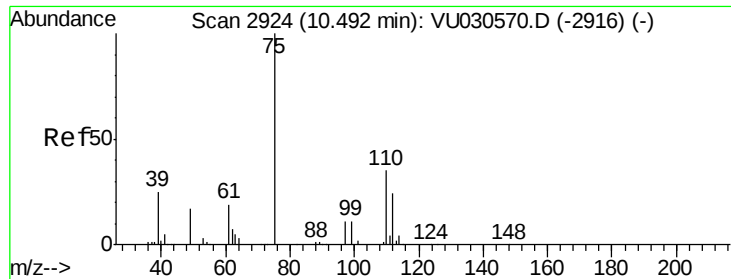
Ion Ratio Lower Upper

83 100

131 9.3 7.0 10.6

85 63.2 51.0 76.4





#71

1,2,3-Trichloropropane

Concen: 3.371 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 34767

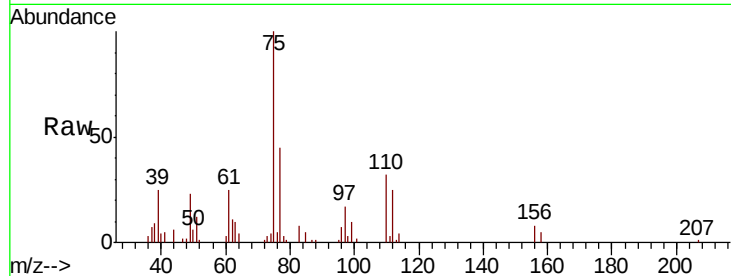
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 20.4 0.0 83.8

97 11.1 0.0 42.8

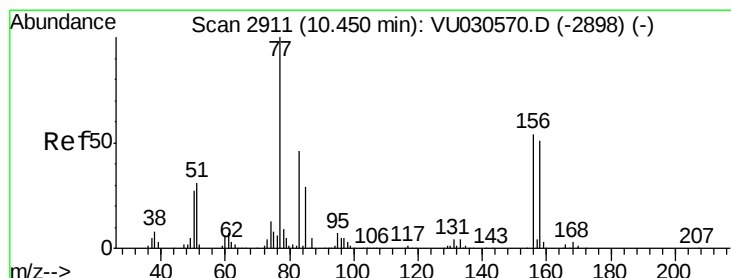
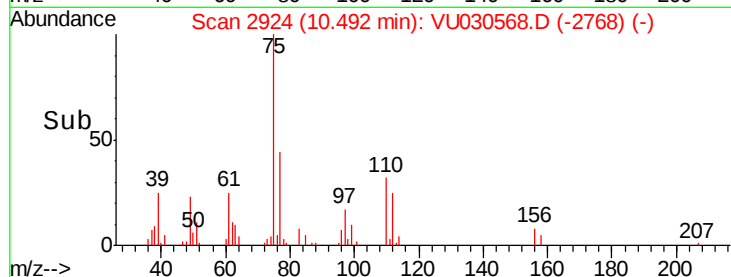
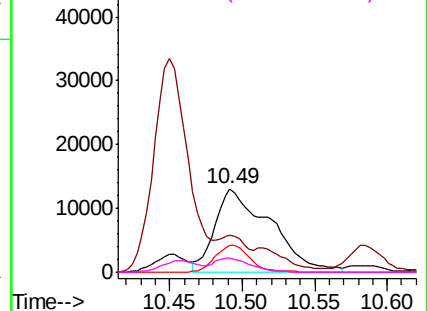


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 1.772 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

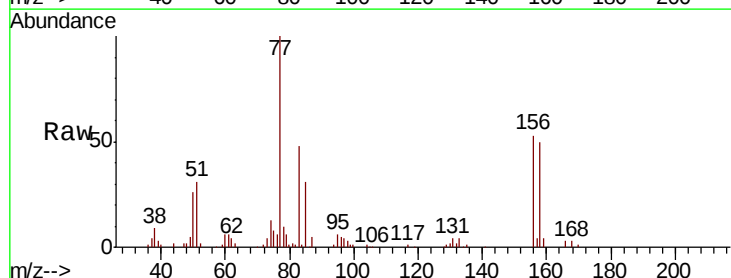
Tgt Ion: 156 Resp: 31489

Ion Ratio Lower Upper

156 100

77 179.1 0.0 363.0

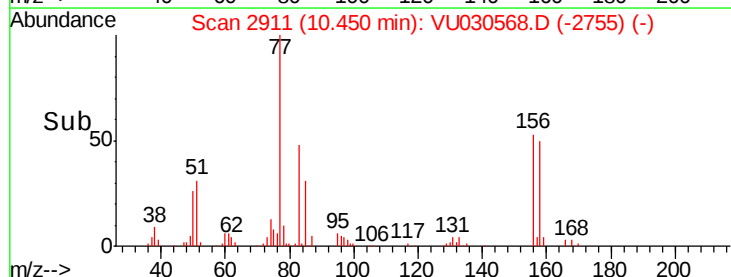
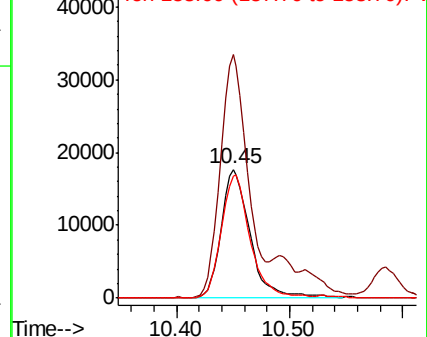
158 94.0 0.0 193.2

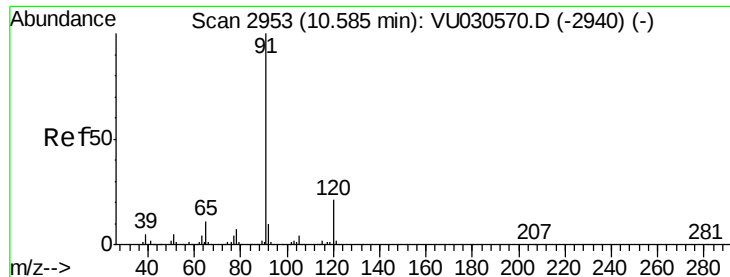


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.704 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

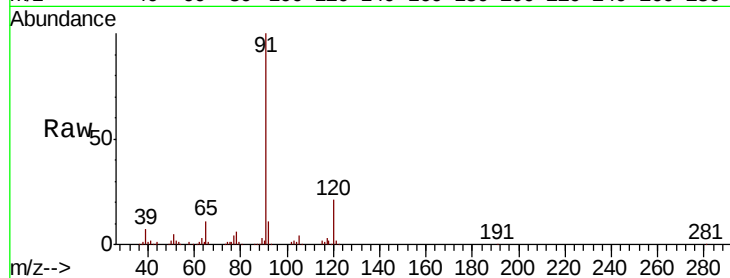
ClientSampled :

Tot Ion:120 Resp: 33063

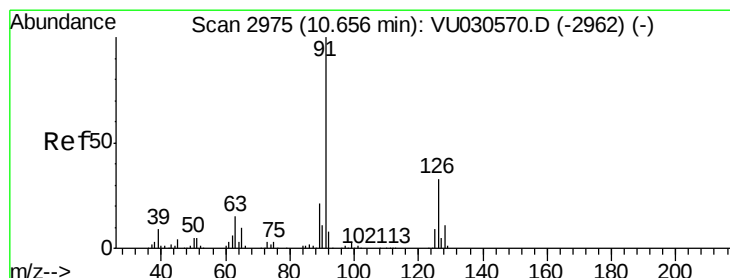
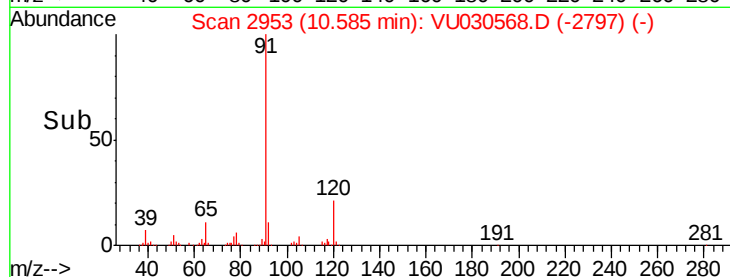
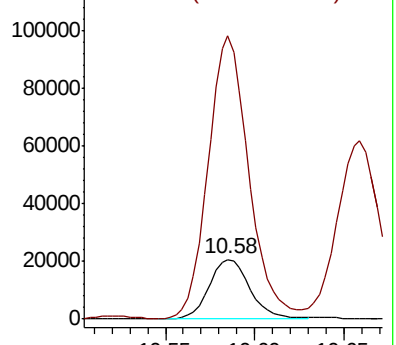
Ion Ratio Lower Upper

120 100

91 466.5 371.6 557.4



Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 1.868 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030568.D

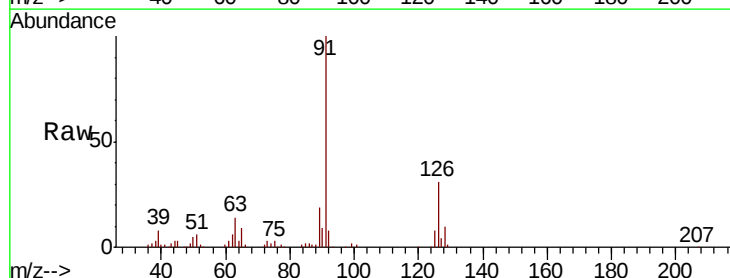
Acq: 30 Mar 2019 10:48

Tgt Ion:126 Resp: 31857

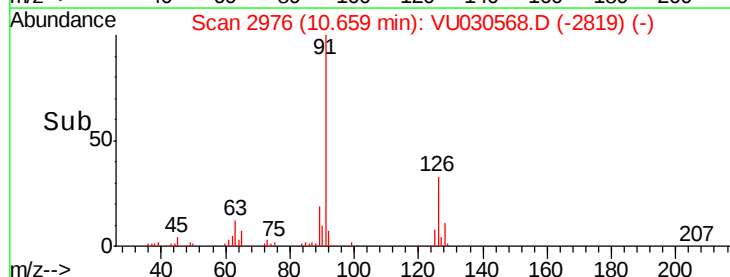
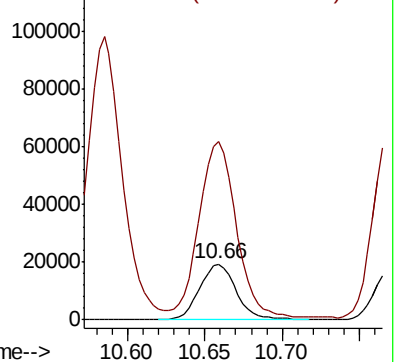
Ion Ratio Lower Upper

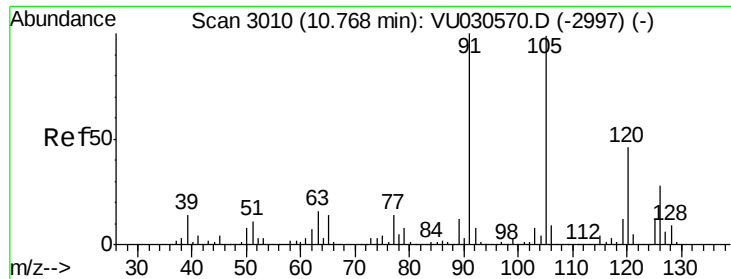
126 100

91 323.0 0.0 656.8



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 1.851 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

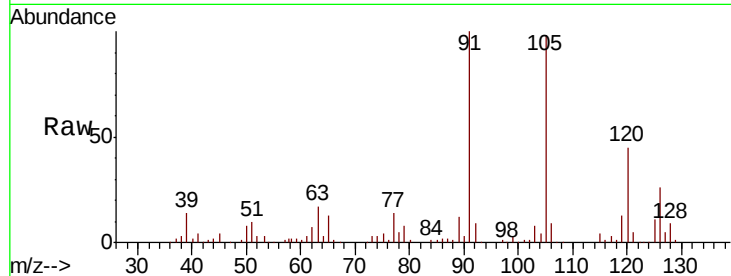
ClientSampleId :

Tot Ion:105 Resp: 108786

Ion Ratio Lower Upper

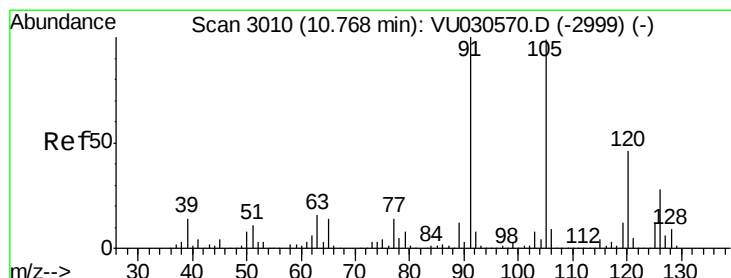
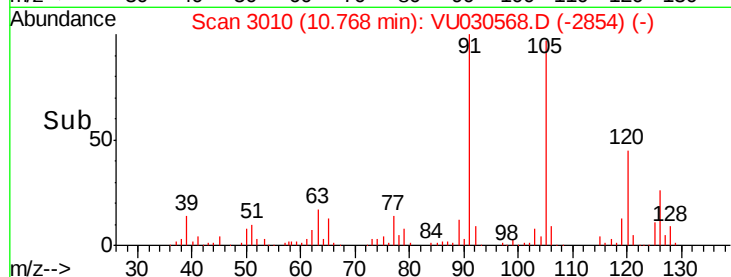
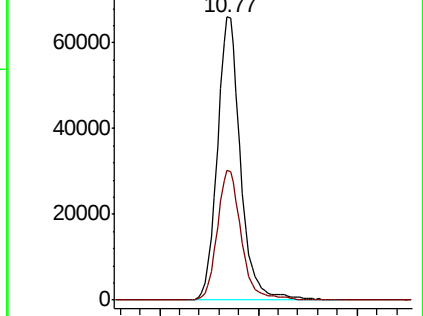
105 100

120 47.4 37.6 56.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.722 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030568.D

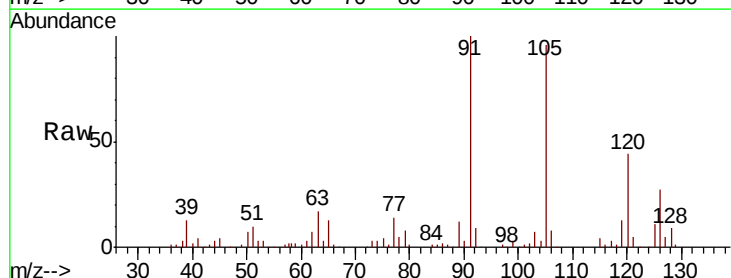
Acq: 30 Mar 2019 10:48

Tgt Ion:126 Resp: 29874

Ion Ratio Lower Upper

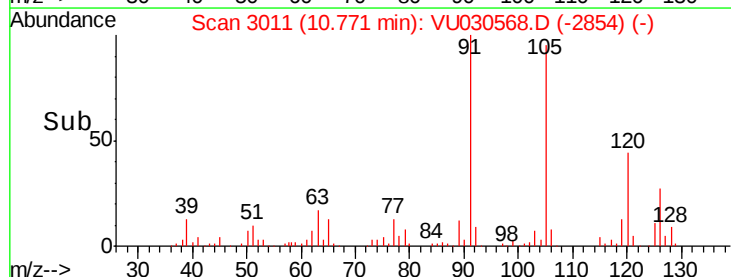
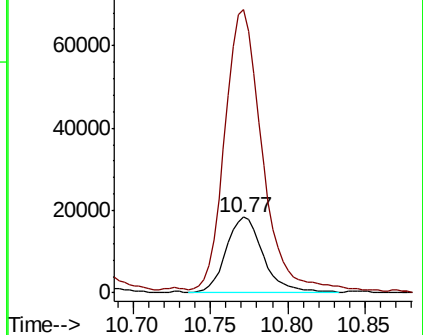
126 100

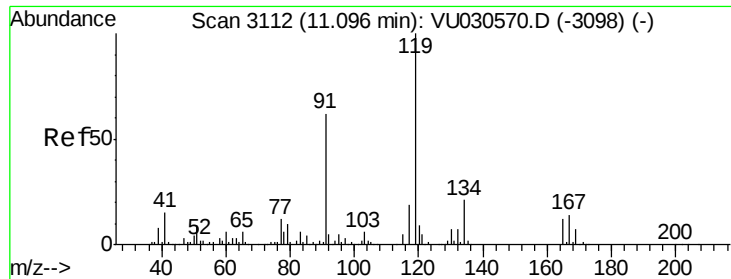
91 381.4 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

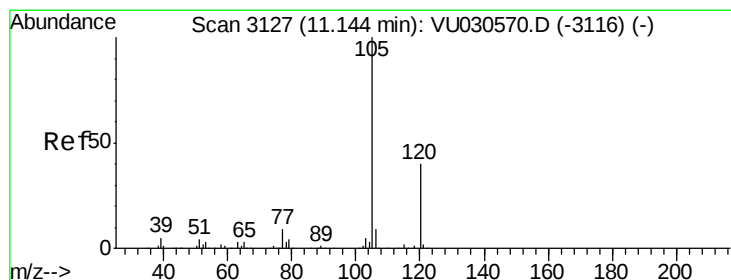
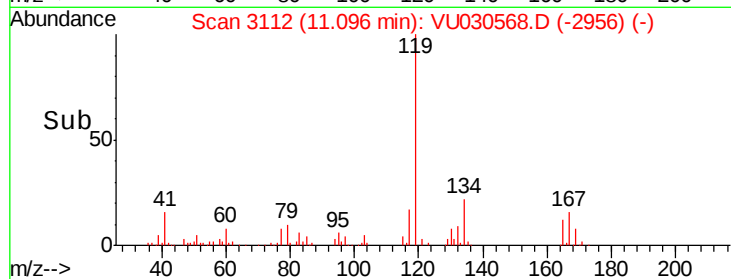
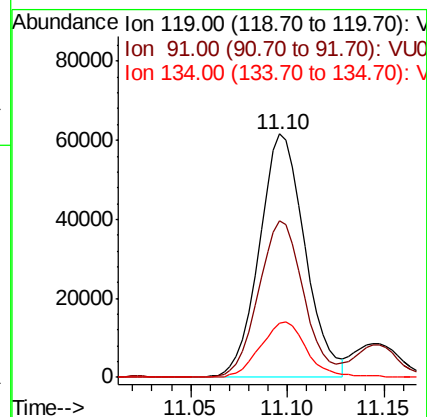
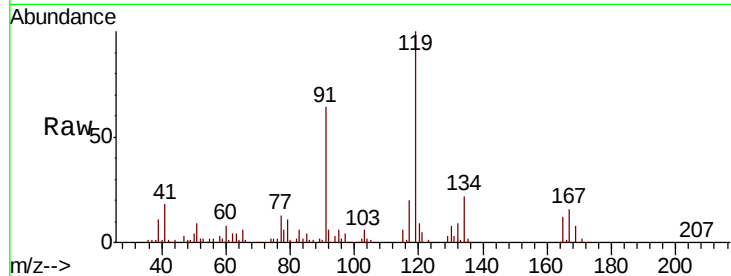




#77
tert-Butylbenzene
Concen: 1.770 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

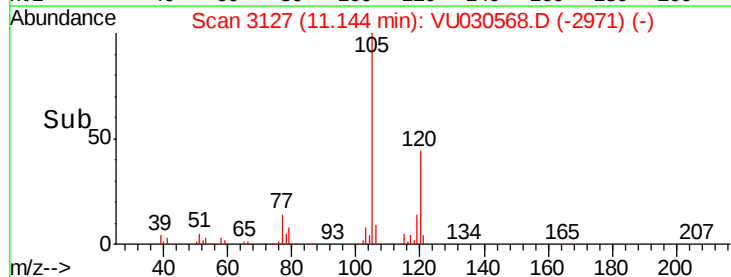
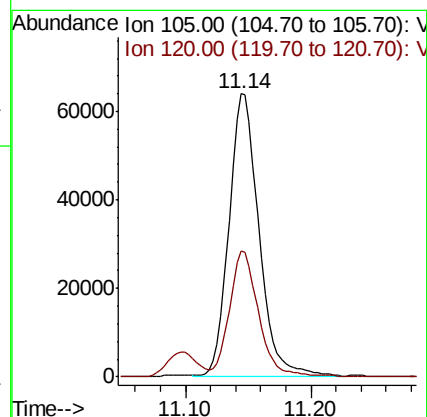
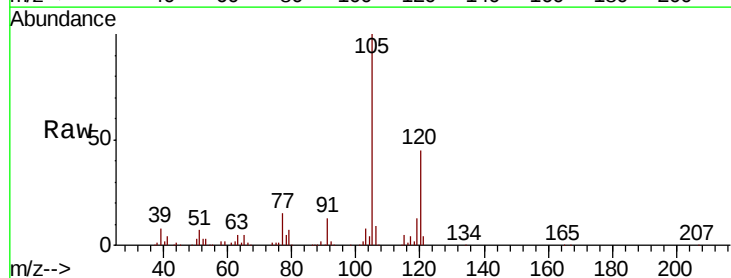
Instrument :
MSVOA_U
ClientSampleId :

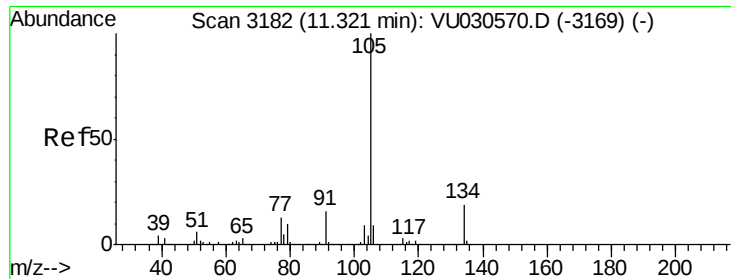
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	30.9	92.8
134	23.1	17.6	26.4



#78
1,2,4-Trimethylbenzene
Concen: 1.777 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	22.1	66.5





#79

sec-Butylbenzene

Concen: 1.843 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

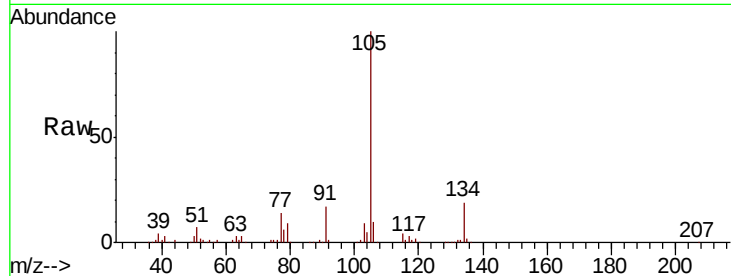
ClientSampleId :

Tot Ion:105 Resp: 141445

Ion Ratio Lower Upper

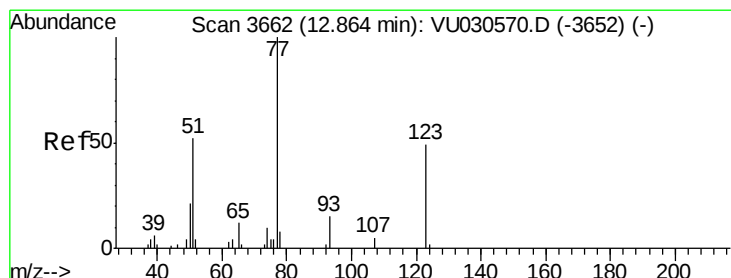
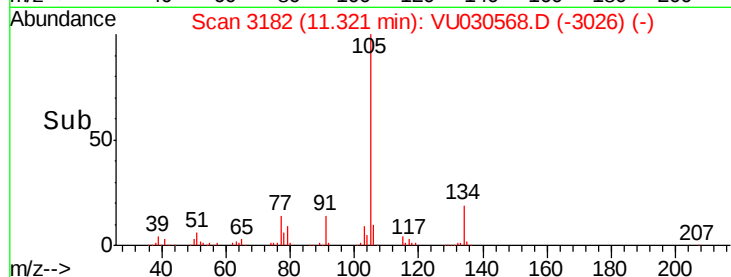
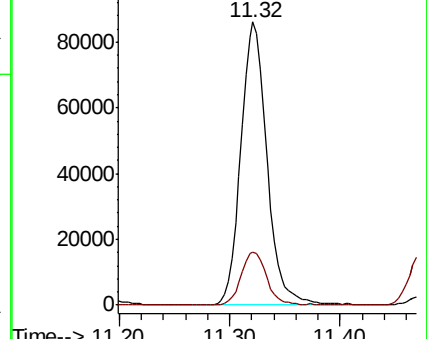
105 100

134 18.2 14.7 22.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 2.999 ug/l

RT: 12.89 min Scan# 3671

Delta R.T. 0.03 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

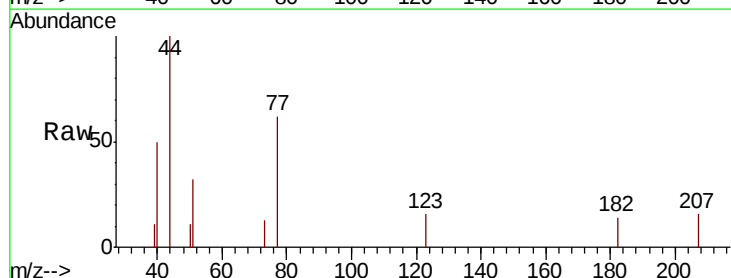
Tgt Ion: 77 Resp: 734

Ion Ratio Lower Upper

77 100

123 29.8 17.5 62.1

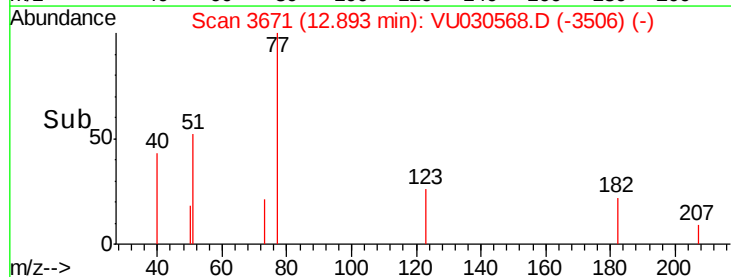
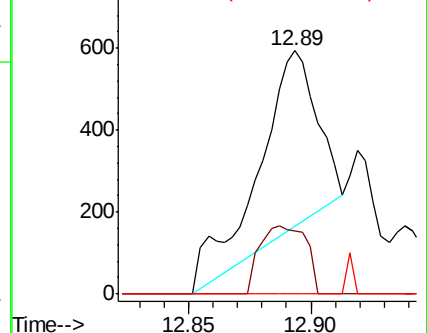
65 2.6 8.1 10.3#

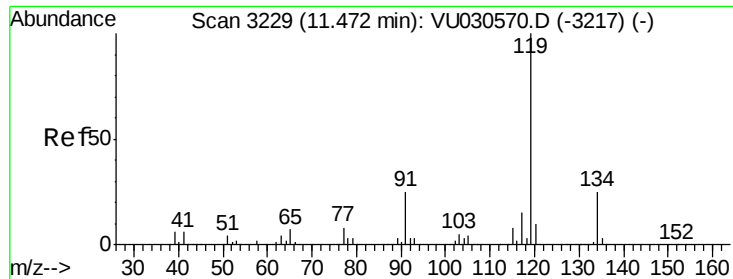


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

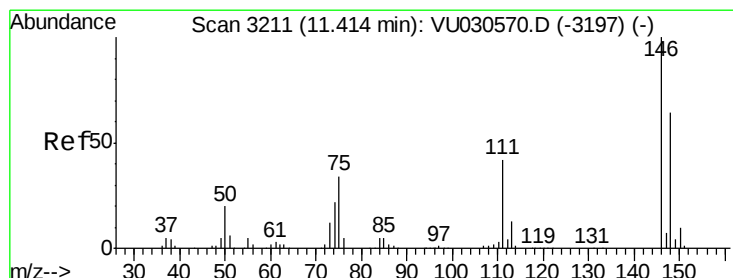
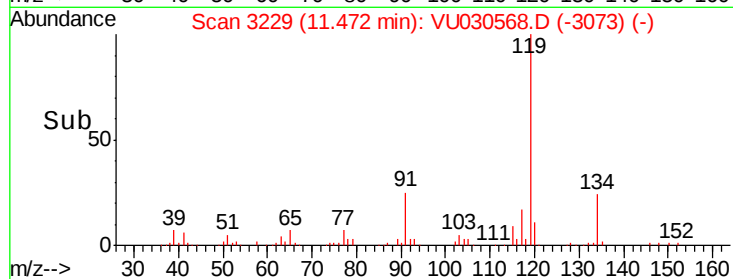
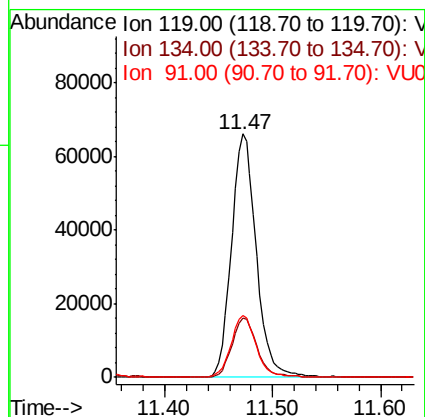
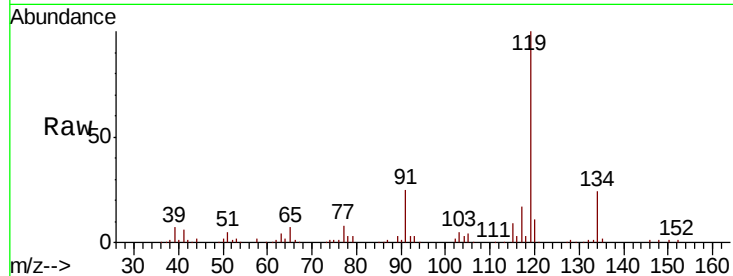




#81
 p-Isopropyltoluene
 Concen: 1.643 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

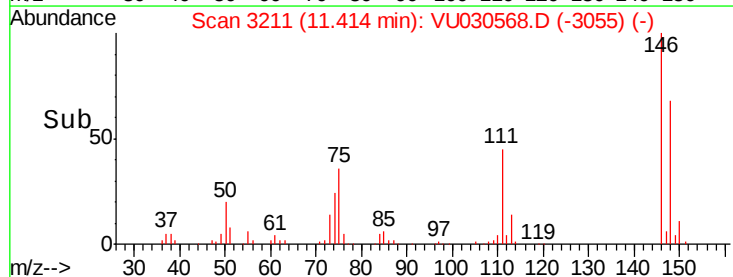
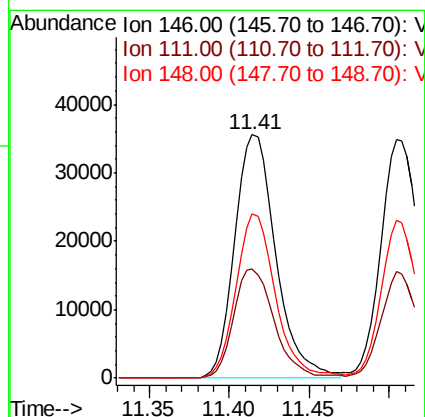
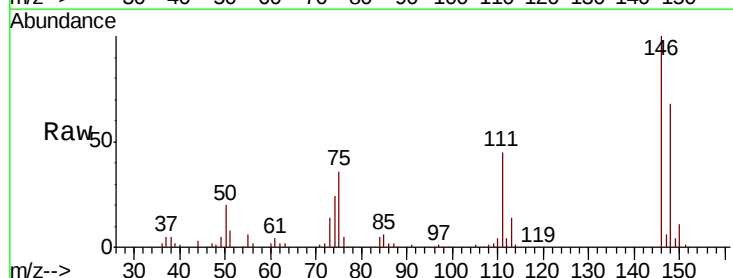
Instrument :
 MSVOA_U
 ClientSampled :

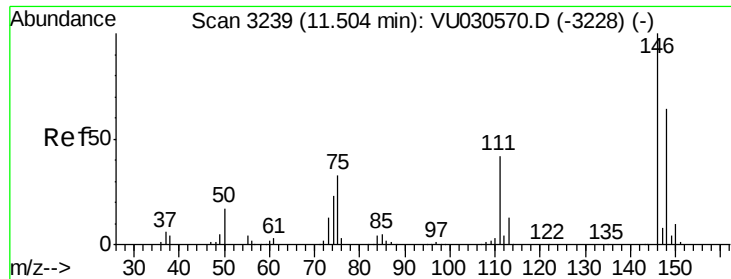
Tot Ion:119 Resp: 104311
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.6 31.0
 91 26.2 20.4 30.6



#82
 1,3-Dichlorobenzene
 Concen: 1.742 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion:146 Resp: 62431
 Ion Ratio Lower Upper
 146 100
 111 43.8 34.0 51.0
 148 64.6 51.0 76.6

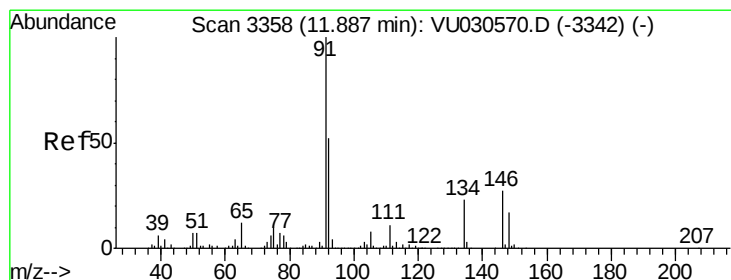
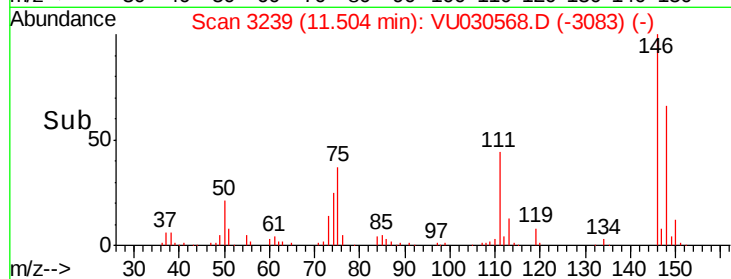
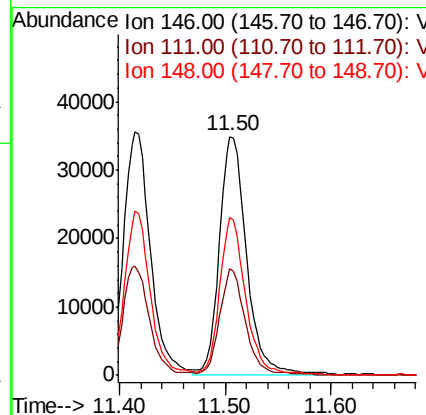
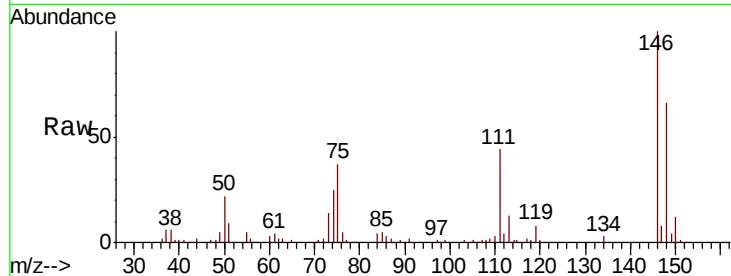




#83
 1,4-Dichlorobenzene
 Concen: 1.730 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

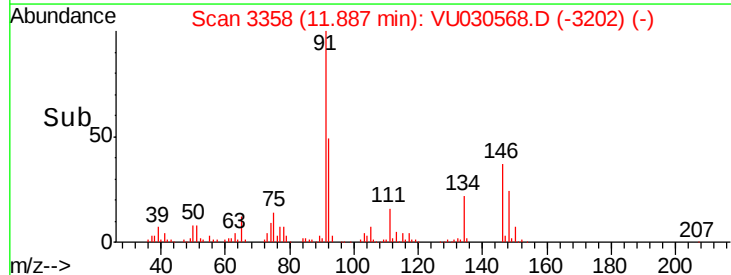
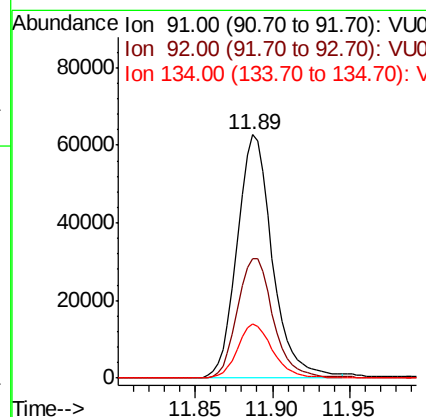
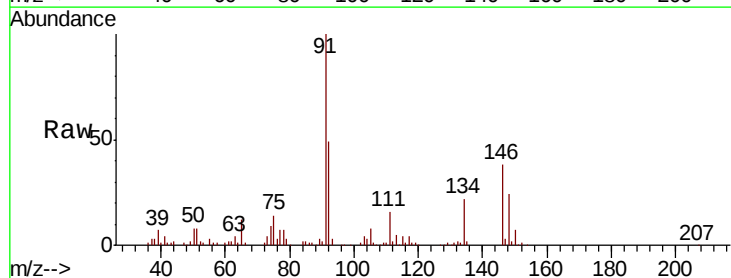
Instrument :
 MSVOA_U
 ClientSampleId :

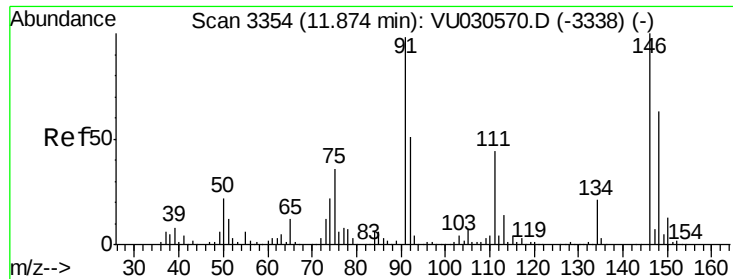
Tot Ion:146 Resp: 62302
 Ion Ratio Lower Upper
 146 100
 111 41.7 32.8 49.2
 148 60.1 50.5 75.7



#84
 n-Butylbenzene
 Concen: 1.663 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion: 91 Resp: 99337
 Ion Ratio Lower Upper
 91 100
 92 50.6 41.7 62.5
 134 22.1 18.3 27.5

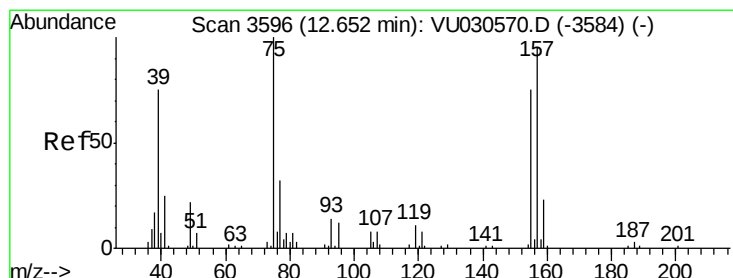
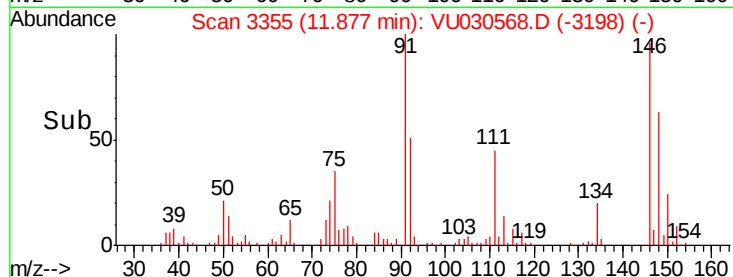
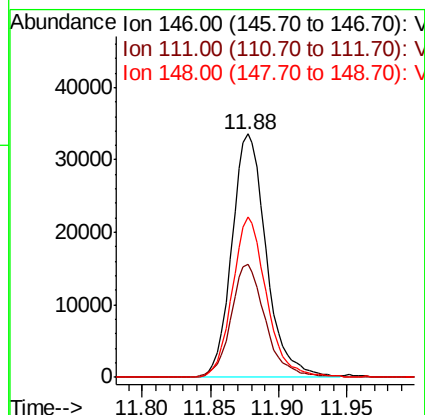
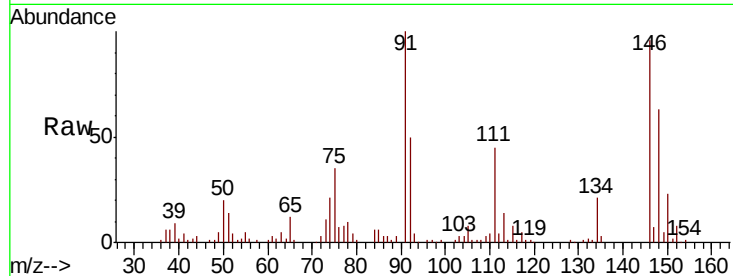




#85
 1,2-Dichlorobenzene
 Concen: 1.762 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

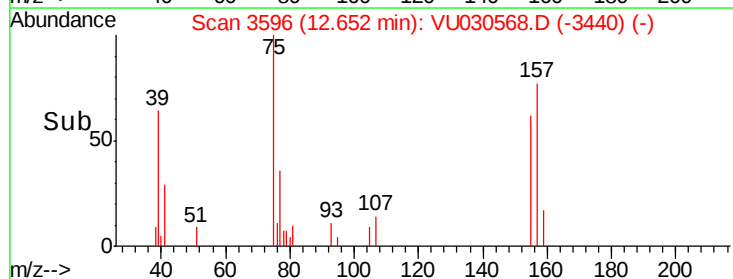
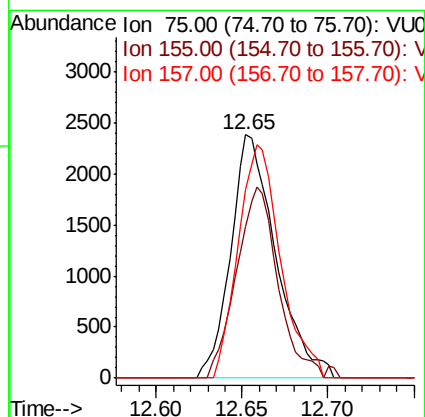
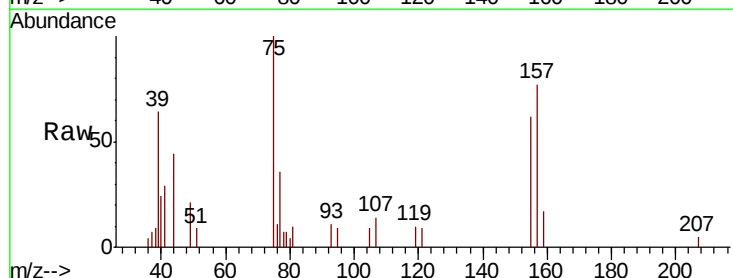
Instrument :
 MSVOA_U
 ClientSampled :

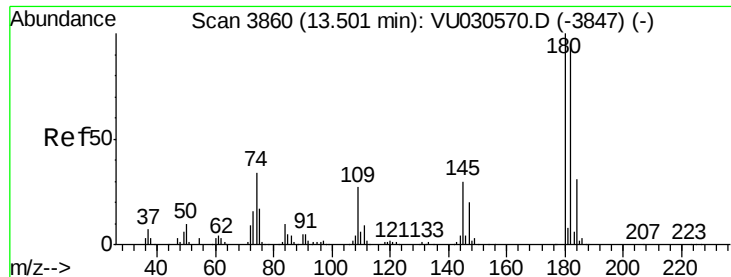
Tot Ion:146 Resp: 58853
 Ion Ratio Lower Upper
 146 100
 111 46.7 21.9 65.5
 148 65.2 31.5 94.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.131 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion: 75 Resp: 4364
 Ion Ratio Lower Upper
 75 100
 155 71.9 59.7 89.5
 157 89.8 73.7 110.5

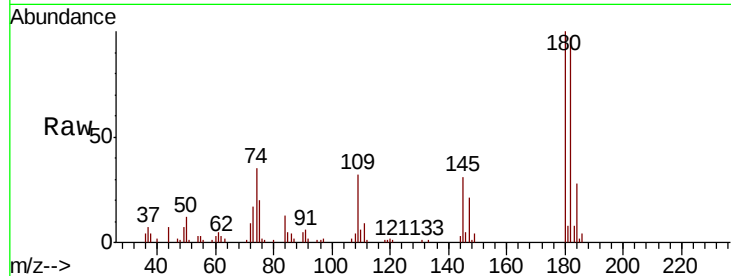




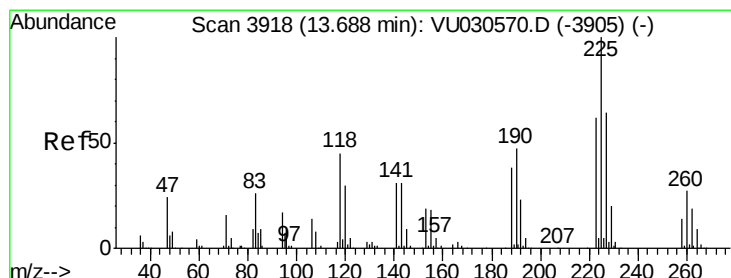
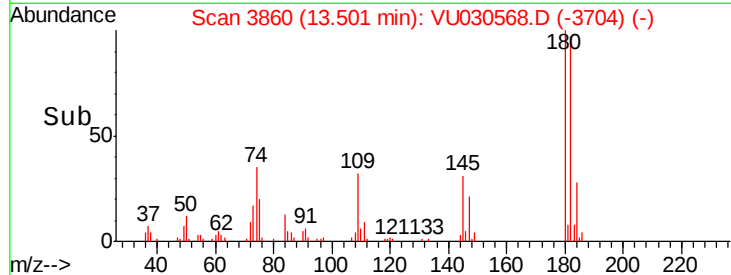
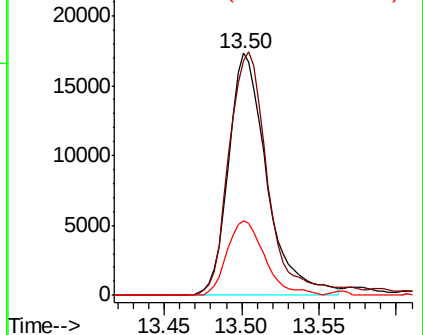
#87
 1,2,4-Trichlorobenzene
 Concen: 1.274 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 29805
 Ion Ratio Lower Upper
 180 100
 182 103.2 76.0 114.0
 145 30.3 24.3 36.5

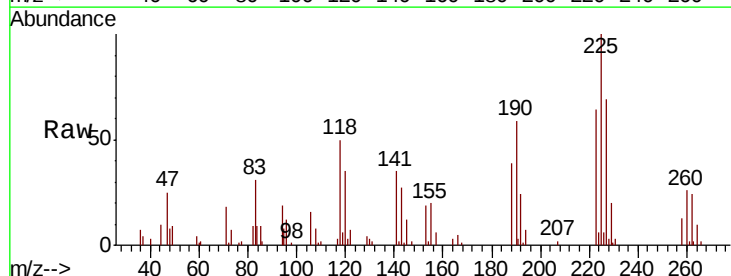


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

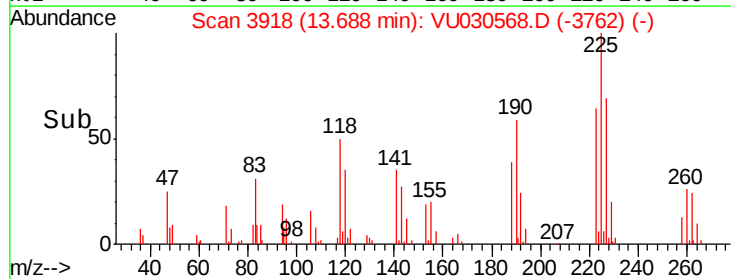
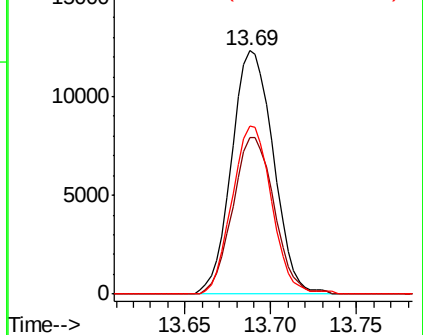


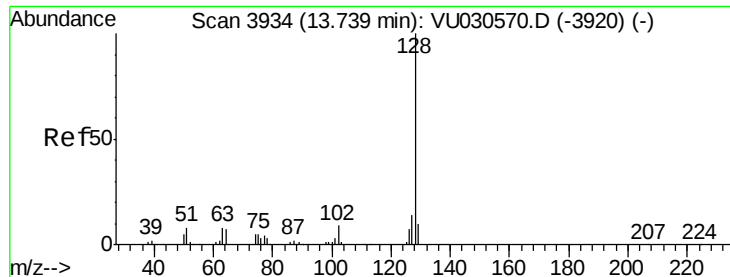
#88
 Hexachlorobutadiene
 Concen: 1.605 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion:225 Resp: 20779
 Ion Ratio Lower Upper
 225 100
 223 63.9 50.7 76.1
 227 65.3 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: 1.251 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

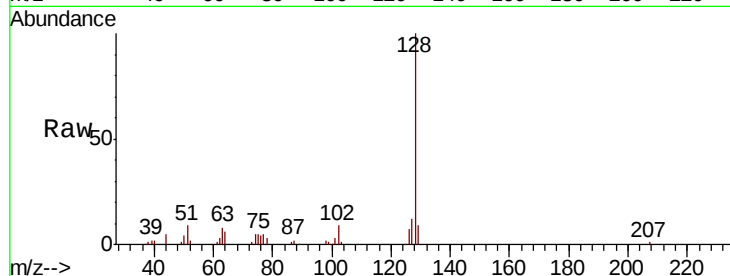
Tot Ion:128 Resp: 45931

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

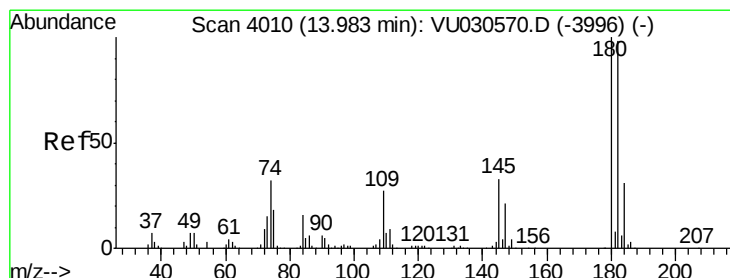
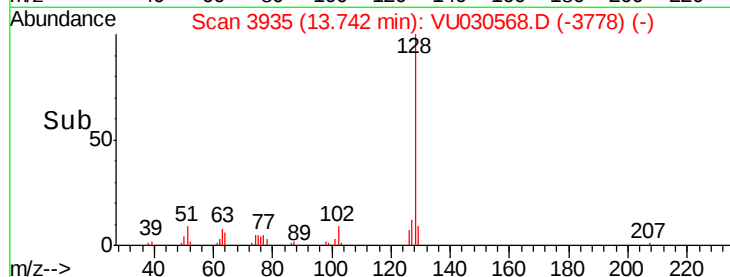
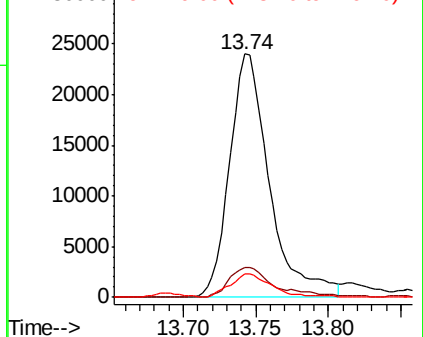
129 10.1 7.8 11.8



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: 1.423 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

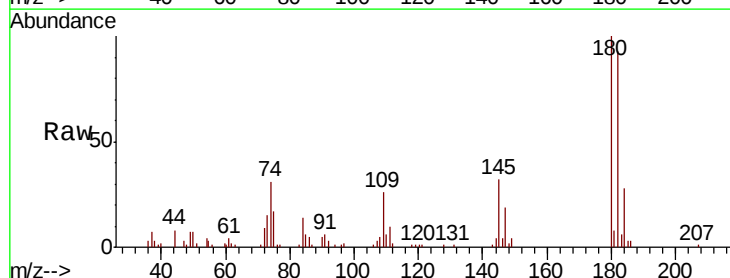
Tgt Ion:180 Resp: 30331

Ion Ratio Lower Upper

180 100

182 90.9 76.6 114.8

145 29.6 25.9 38.9



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

