

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030013.D
 Acq On : 12 Mar 2019 18:07
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Mar 13 05:55:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:21:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	62178	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	23646	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	27225	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	225861	9.905 ug/l	99
3) Chloromethane	1.33	50	246940	9.545 ug/l	97
4) Vinyl Chloride	1.40	62	221518	9.990 ug/l	100
5) Bromomethane	1.62	94	120951	9.544 ug/l	98
6) Chloroethane	1.70	64	128295	10.022 ug/l	99
7) Trichlorofluoromethane	1.88	101	284975	9.907 ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	154796	9.893 ug/l	99
9) 1,1-Dichloroethene	2.28	96	155513	10.024 ug/l	99
10) Iodomethane	2.41	142	159460	11.863 ug/l	99
11) Allyl Chloride	2.59	41	213486	9.731 ug/l	99
12) Acrylonitrile	2.93	53	65647	19.537 ug/l	99
13) Acetone	2.32	43	126144	43.123 ug/l	100
14) Carbon Disulfide	2.48	76	520276	9.625 ug/l	99
15) Methylene Chloride	2.70	84	174894	9.468 ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	174607	9.747 ug/l	99
17) 1,1-Dichloroethane	3.44	63	300172	9.911 ug/l	99
18) 2-Butanone	4.27	43	207837	51.319 ug/l	98
19) Cyclohexane	4.99	56	226607	8.733 ug/l	85
20) Methylcyclohexane	6.41	83	299157	10.447 ug/l	99
21) 2,2-Dichloropropane	4.22	77	238870	9.379 ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	197483	9.916 ug/l	99
23) Diethyl Ether	2.10	59	115695	9.981 ug/l	99
24) tert-Butyl Alcohol	2.83	59	121892	98.258 ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	393321	10.039 ug/l	99
26) Bromochloromethane	4.54	128	86214	9.895 ug/l	99
27) Chloroform	4.67	83	307157	9.639 ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	266600	10.168 ug/l	99
29) 1,1-Dichloropropene	5.13	75	238393	9.987 ug/l	99
30) Carbon Tetrachloride	5.13	117	236042	10.071 ug/l	100
31) Isopropyl Ether	3.57	45	437734	10.270 ug/l	99
32) Ethyl-t-butyl ether	4.07	59	422926	10.299 ug/l	99
33) Tert-Amyl methyl ether	5.58	73	392315	10.437 ug/l	99
34) Propionitrile	4.33	54	65157	57.716 ug/l #	94
35) Benzene	5.38	78	705001	10.095 ug/l	99
36) 1,2-Dichloroethane	5.40	62	182841	9.792 ug/l	100
37) Trichloroethene	6.18	130	200127	9.949 ug/l	99
38) 1,2-Dichloropropane	6.43	63	177776	10.014 ug/l	97
39) Methacrylonitrile	4.55	41	50315	10.220 ug/l #	93
40) Methyl acrylate	4.42	55	83280	10.706 ug/l	97
41) Tetrahydrofuran	4.65	42	52342	19.222 ug/l	98
42) 1-Chlorobutane	5.06	56	318663	10.193 ug/l	99

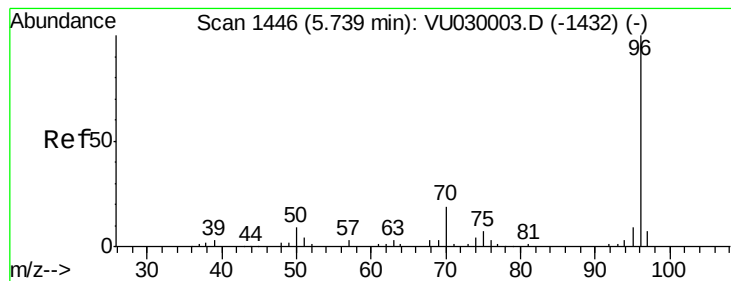
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030013.D
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Quant Time: Mar 13 05:55:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:21:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	90437	9.846	ug/l	99
44) Bromodichloromethane	6.75	83	224796	10.259	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	481253	53.034	ug/l	99
46) t-1,4-Dichloro-2-butene	10.49	75	98028	21.901	ug/l	93
47) Methyl methacrylate	6.62	69	168729	21.929	ug/l	98
48) Ethyl methacrylate	8.02	69	166157	11.450	ug/l	99
49) Toluene	7.63	92	444932	10.574	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	210912	10.749	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	257664	10.446	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	135159	10.409	ug/l	99
53) 1,3-Dichloropropane	8.24	76	221417	10.196	ug/l	99
54) 2-Hexanone	8.36	43	336692	51.497	ug/l	99
55) Dibromochloromethane	8.47	129	165037	10.566	ug/l	99
56) 1,2-Dibromoethane	8.58	107	128357	10.272	ug/l	98
58) Tetrachloroethene	8.22	164	185094	10.133	ug/l	98
59) Chlorobenzene	9.12	112	498614	10.370	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	174556	10.278	ug/l	99
61) Pentachloroethane	11.10	117	132954	10.144	ug/l	100
62) Hexachloroethane	12.14	117	139707	10.579	ug/l	99
63) Ethyl Benzene	9.25	91	844092	10.689	ug/l	100
64) m/p-Xylenes	9.37	106	674260	21.702	ug/l	99
65) o-Xylene	9.77	106	324686	10.655	ug/l	100
66) Styrene	9.79	104	550226	11.016	ug/l	99
67) Bromoform	9.95	173	98629	11.047	ug/l	97
69) Isopropylbenzene	10.16	105	851150	10.713	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	166035	10.375	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	98028	8.148	ug/l	91
72) Bromobenzene	10.45	156	217613	10.443	ug/l	99
73) n-propylbenzene	10.58	120	245984	10.913	ug/l	99
74) 2-Chlorotoluene	10.66	126	207652	10.520	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	730793	10.796	ug/l	100
76) 4-Chlorotoluene	10.77	126	210834	10.464	ug/l	97
77) tert-Butylbenzene	11.10	119	714778	10.788	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	757167	10.999	ug/l	99
79) sec-Butylbenzene	11.32	105	959536	10.811	ug/l	100
80) Nitrobenzene	12.86	77	15162	53.039	ug/l #	98
81) p-Isopropyltoluene	11.47	119	809528	10.873	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	431111	10.245	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	429759	10.159	ug/l	99
84) n-Butylbenzene	11.89	91	756308	10.876	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	400744	10.232	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	24692	10.711	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	295356	10.449	ug/l	99
88) Hexachlorobutadiene	13.69	225	158304	10.333	ug/l	98
89) Naphthalene	13.74	128	509513	11.503	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	270434	10.560	ug/l	99

(#) = 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: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 96 Resp: 62178

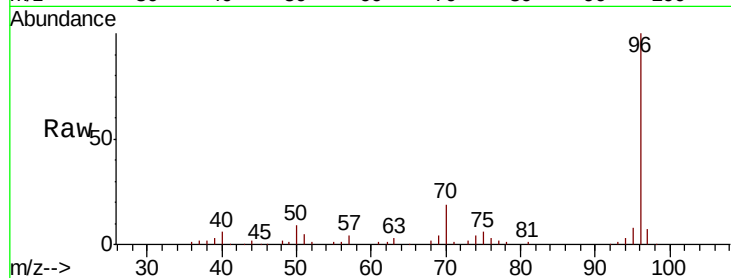
Ion Ratio Lower Upper

96 100

70 18.5 15.5 23.3

95 7.9 6.6 9.8

97 0.0 0.0 0.0

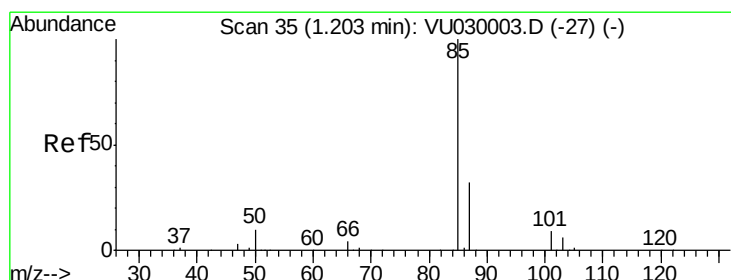
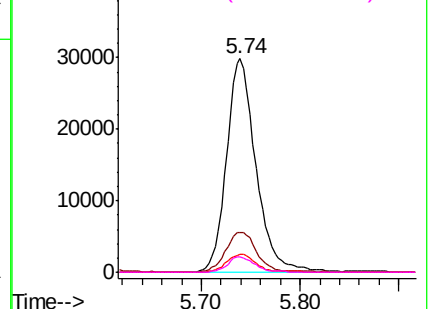
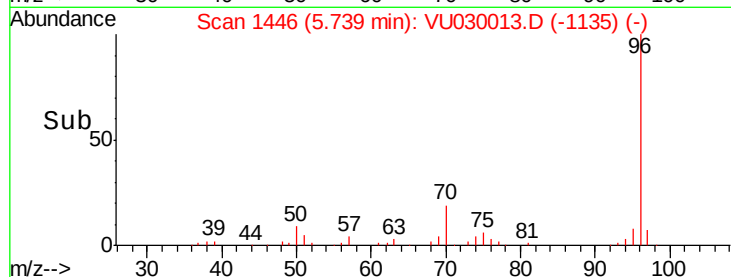


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 9.905 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030013.D

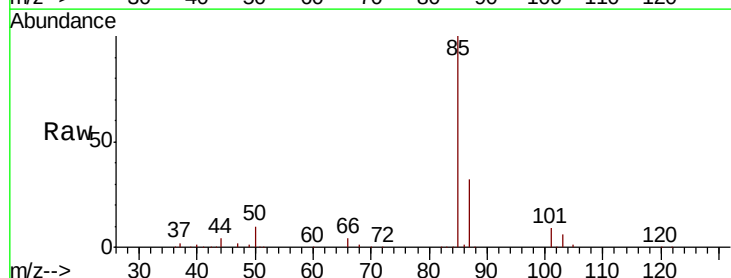
Acq: 12 Mar 2019 18:07

Tgt Ion: 85 Resp: 225861

Ion Ratio Lower Upper

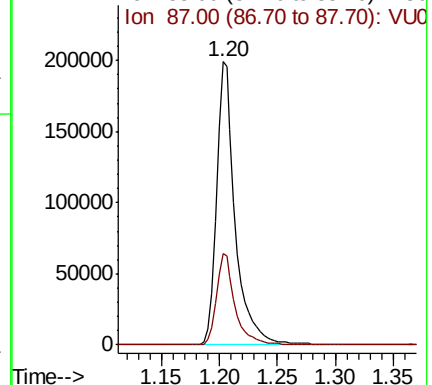
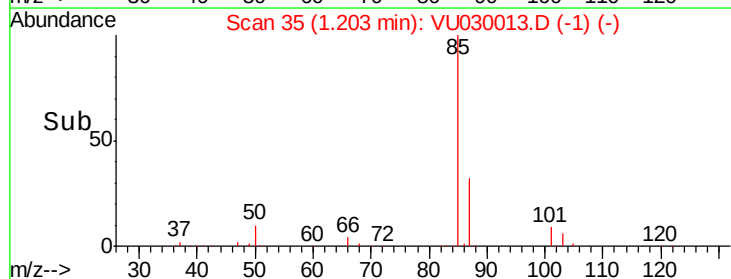
85 100

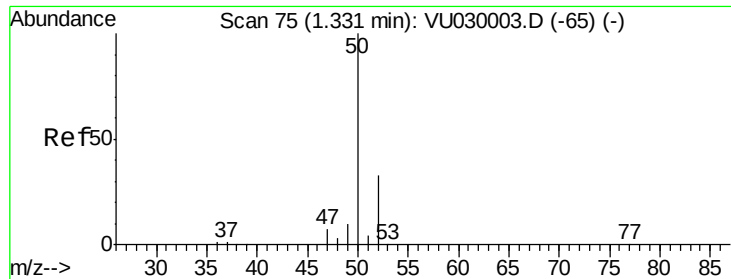
87 32.1 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

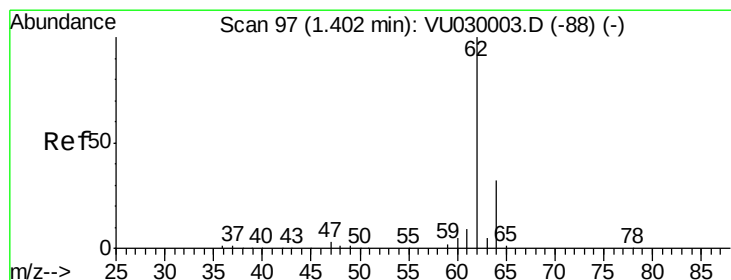
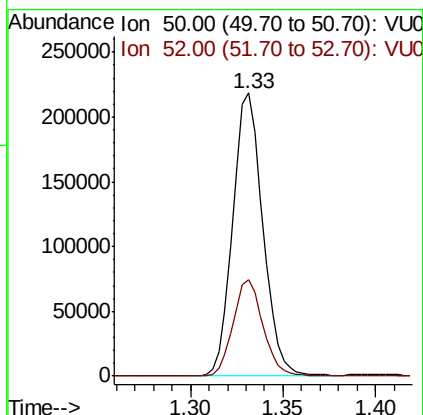
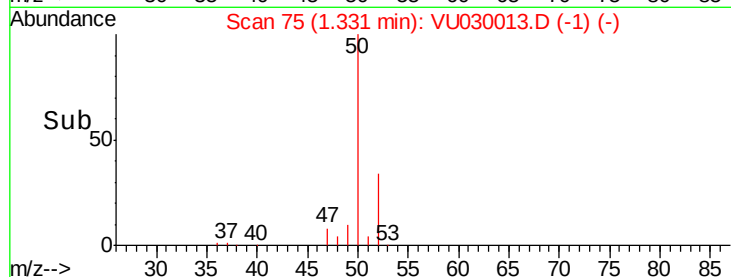
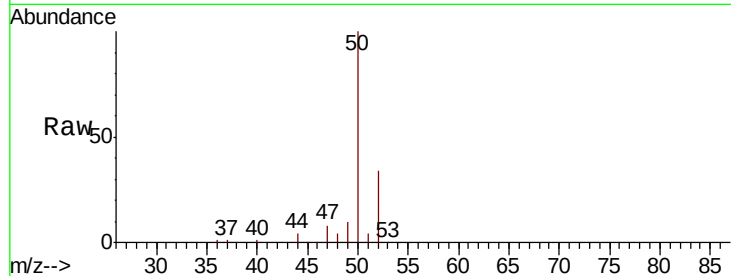




#3
Chloromethane
Concen: 9.545 ug/l
RT: 1.33 min Scan# 75
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

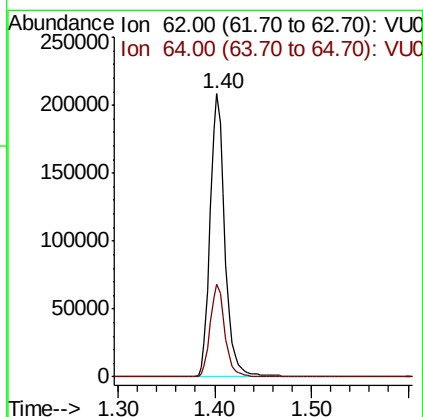
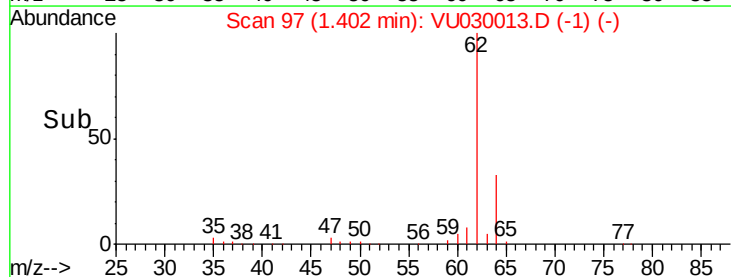
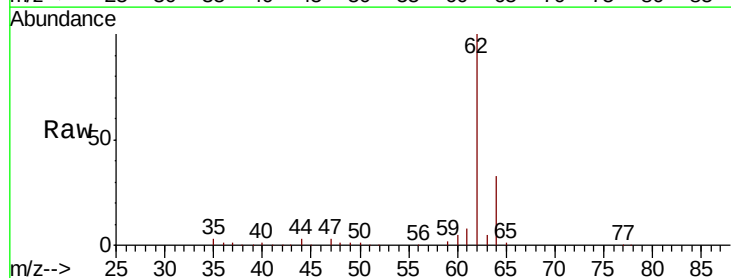
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

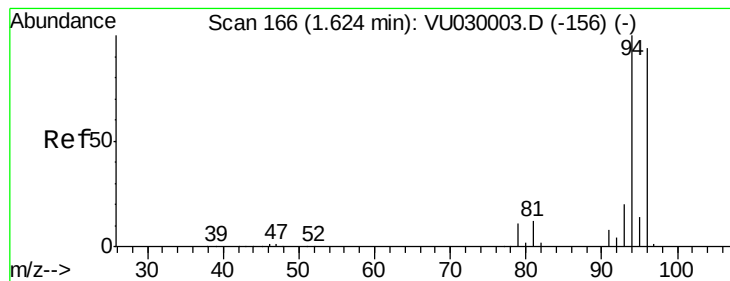
Tgt Ion: 50 Resp: 246940
Ion Ratio Lower Upper
50 100
52 34.1 26.1 39.1



#4
Vinyl Chloride
Concen: 9.990 ug/l
RT: 1.40 min Scan# 97
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion: 62 Resp: 221518
Ion Ratio Lower Upper
62 100
64 32.6 26.0 39.0





#5

Bromomethane

Concen: 9.544 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

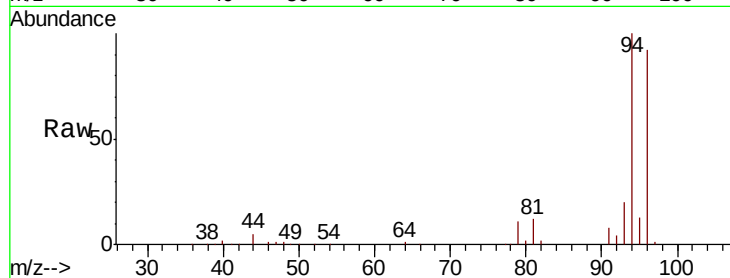
VSTDCCC010EC

Tgt Ion: 94 Resp: 120951

Ion Ratio Lower Upper

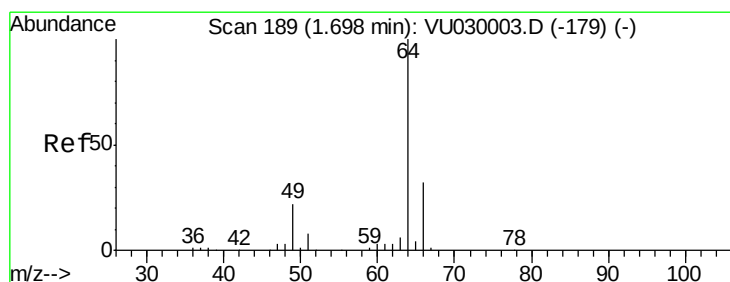
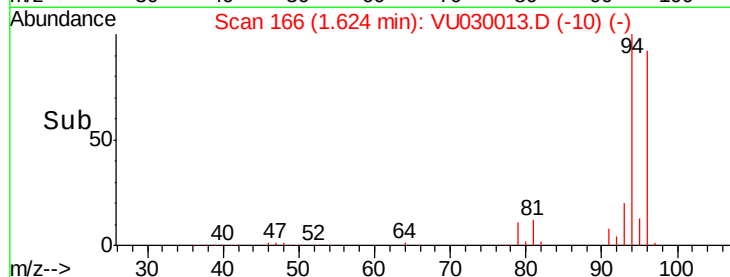
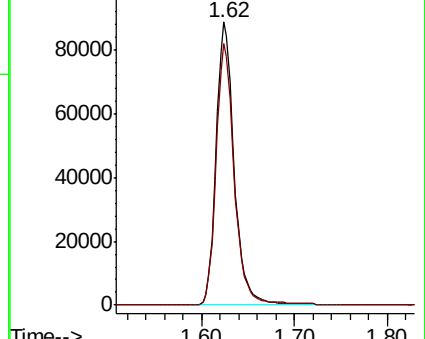
94 100

96 92.4 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VU030013.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030013.D (-156) (-)



#6

Chloroethane

Concen: 10.022 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030013.D

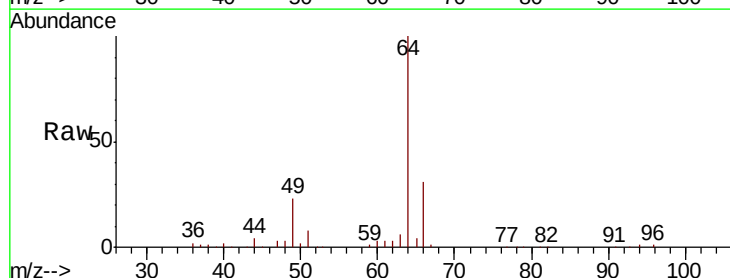
Acq: 12 Mar 2019 18:07

Tgt Ion: 64 Resp: 128295

Ion Ratio Lower Upper

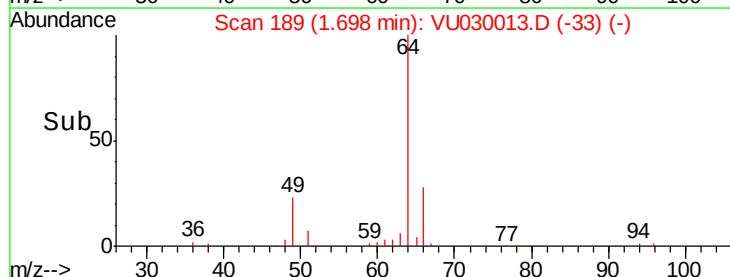
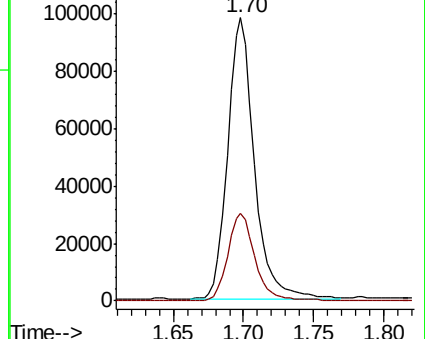
64 100

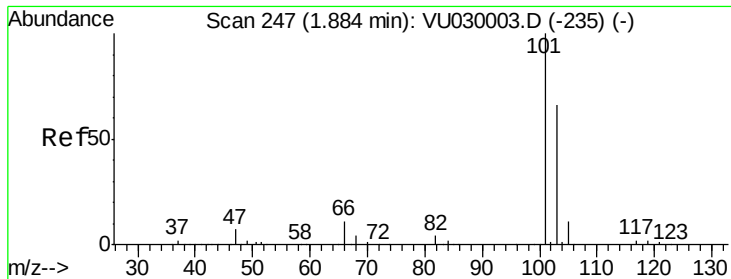
66 31.4 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VU030013.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030013.D (-179) (-)



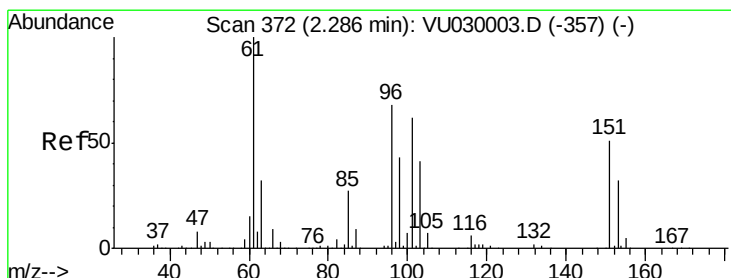
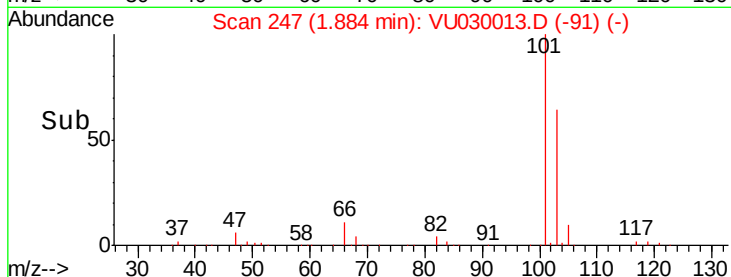
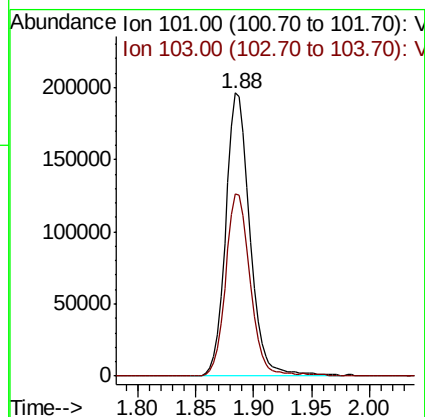
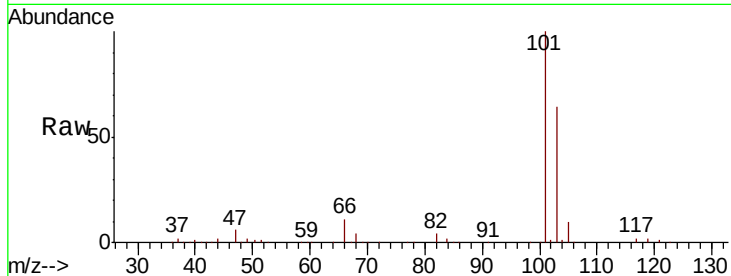


#7

Trichlorofluoromethane
Concen: 9.907 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Instrument :
MSVOA_U
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VSTDCCC010EC

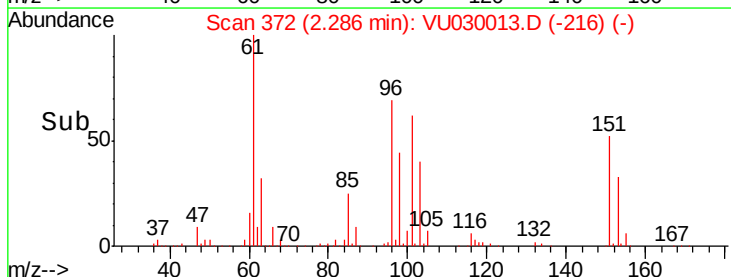
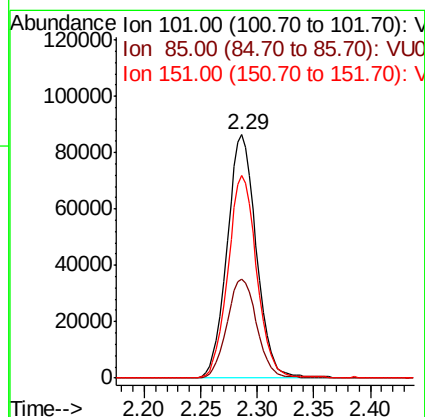
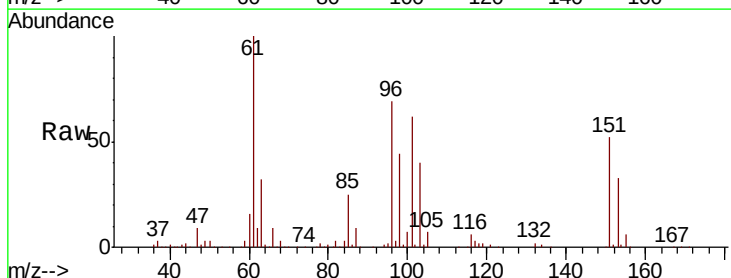
Tgt Ion:101 Resp: 284975
Ion Ratio Lower Upper
101 100
103 64.4 52.6 79.0

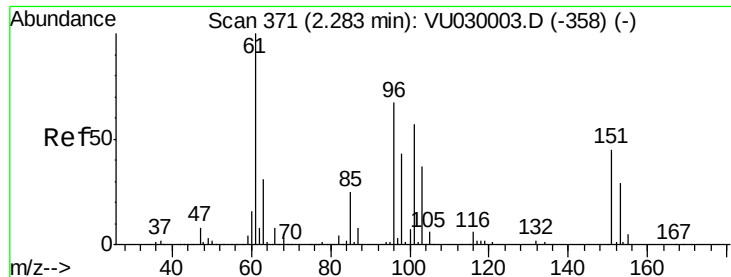


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.893 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion:101 Resp: 154796
Ion Ratio Lower Upper
101 100
85 41.2 33.6 50.4
151 82.0 65.0 97.4





#9

1,1-Dichloroethene

Concen: 10.024 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

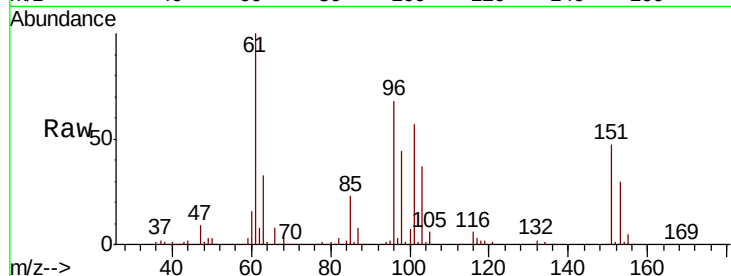
Tgt Ion: 96 Resp: 155513

Ion Ratio Lower Upper

96 100

61 146.6 0.0 447.0

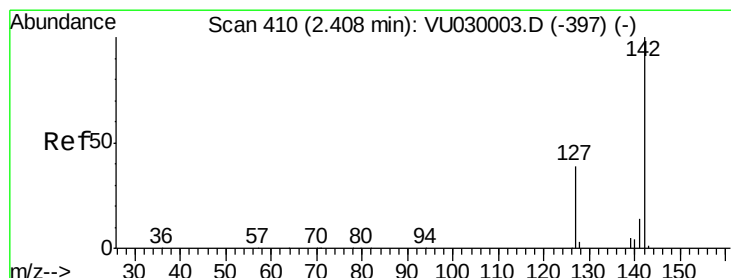
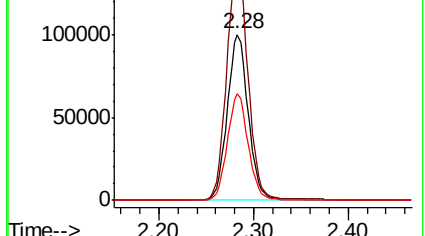
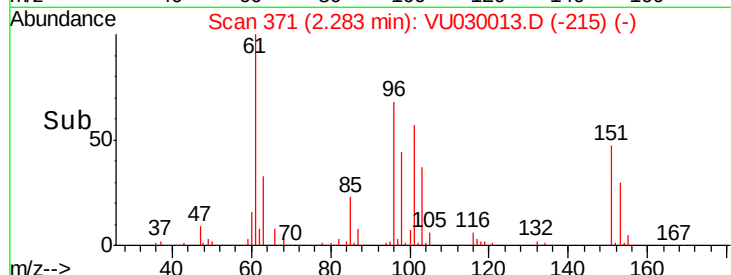
98 64.2 0.0 129.2



Abundance Ion 96.00 (95.70 to 96.70): VU030013.D (-215) (-)

Ion 61.00 (60.70 to 61.70): VU030013.D (-215) (-)

Ion 98.00 (97.70 to 98.70): VU030013.D (-215) (-)



#10

Iodomethane

Concen: 11.863 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030013.D

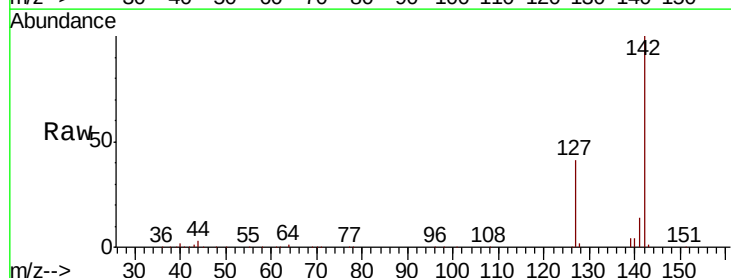
Acq: 12 Mar 2019 18:07

Tgt Ion: 142 Resp: 159460

Ion Ratio Lower Upper

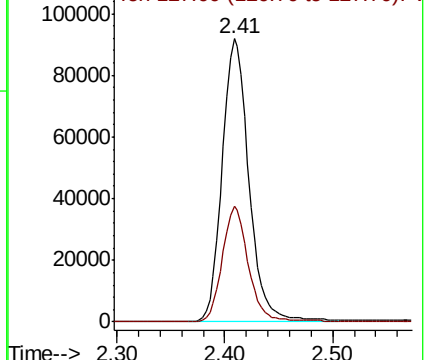
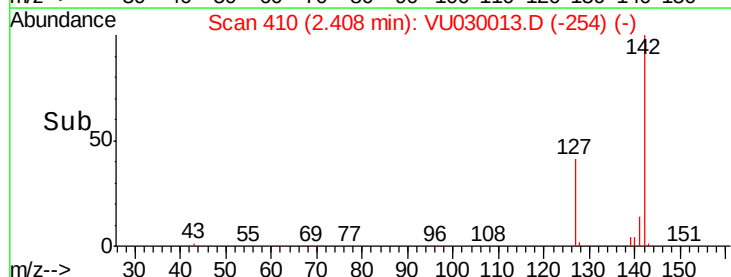
142 100

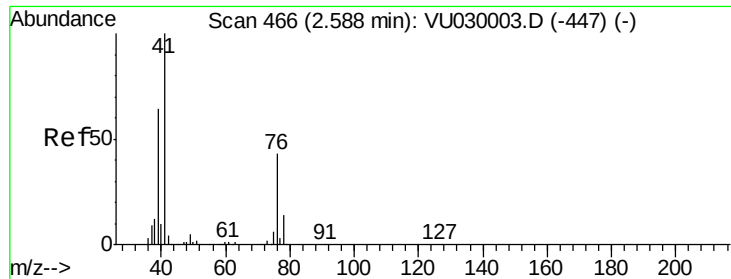
127 39.5 32.2 48.4



Abundance Ion 142.00 (141.70 to 142.70): VU030013.D (-254) (-)

Ion 127.00 (126.70 to 127.70): VU030013.D (-254) (-)

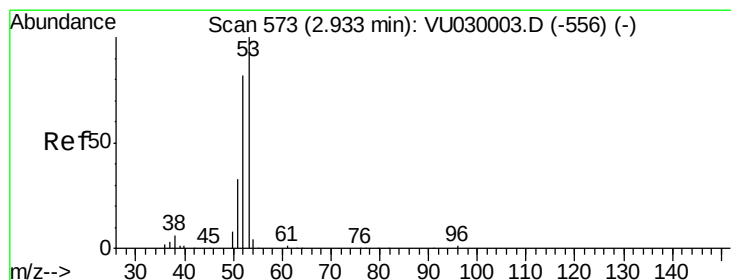
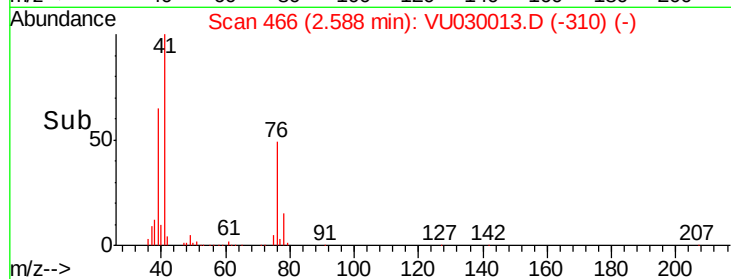
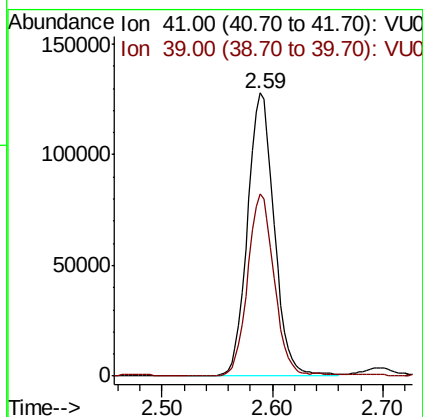
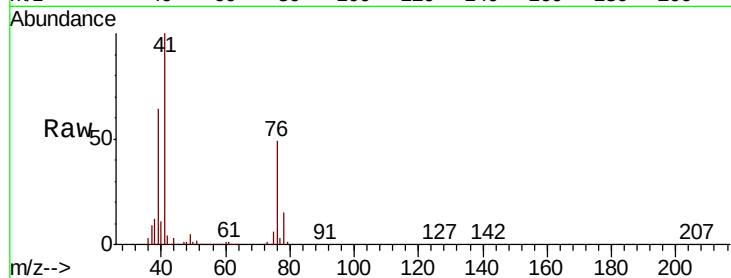




#11
 Allyl Chloride
 Concen: 9.731 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

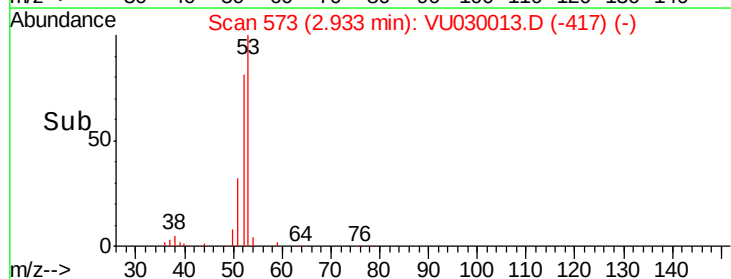
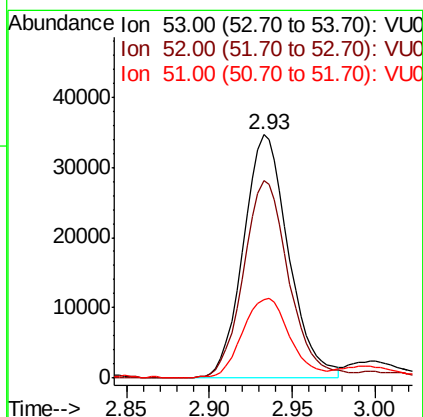
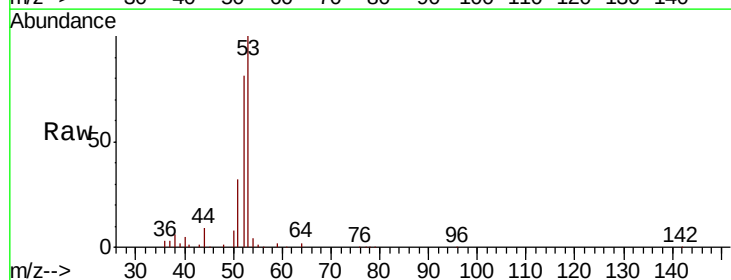
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

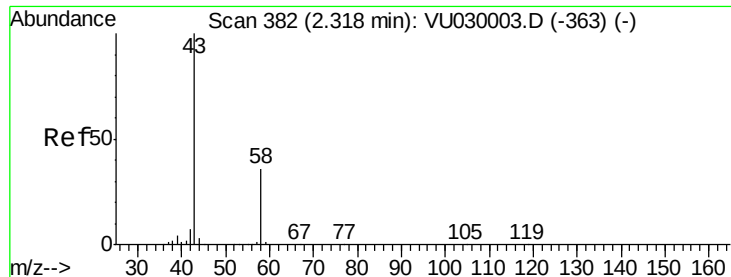
Tgt Ion: 41 Resp: 213486
 Ion Ratio Lower Upper
 41 100
 39 64.0 50.8 76.2



#12
 Acrylonitrile
 Concen: 19.537 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion: 53 Resp: 65647
 Ion Ratio Lower Upper
 53 100
 52 81.7 66.3 99.5
 51 34.4 26.9 40.3





#13

Acetone

Concen: 43.123 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

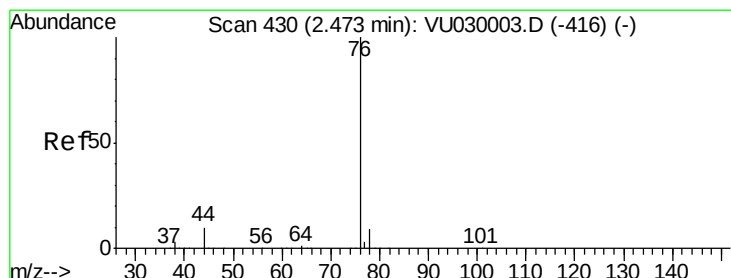
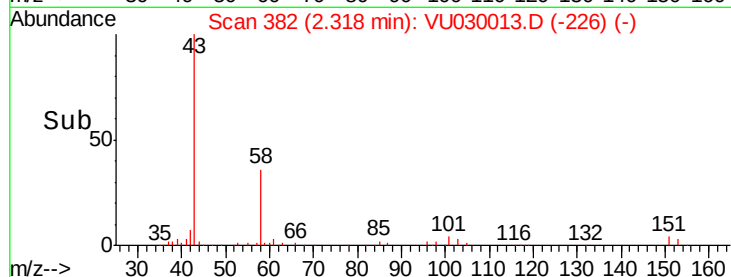
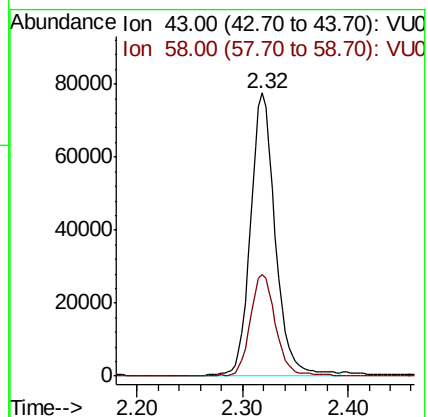
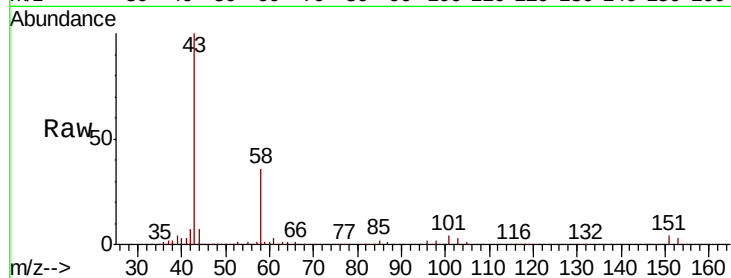
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 126144

Ion Ratio Lower Upper

43 100

58 36.0 28.6 43.0



#14

Carbon Disulfide

Concen: 9.625 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030013.D

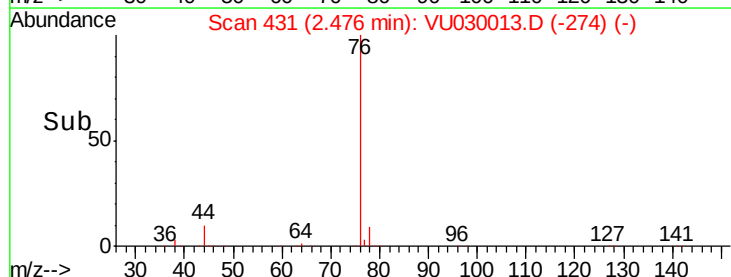
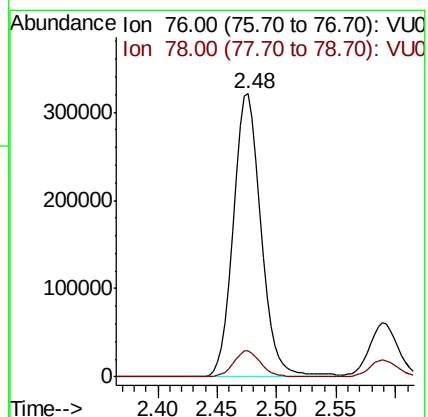
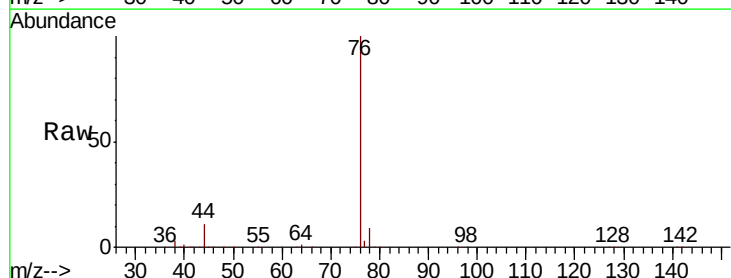
Acq: 12 Mar 2019 18:07

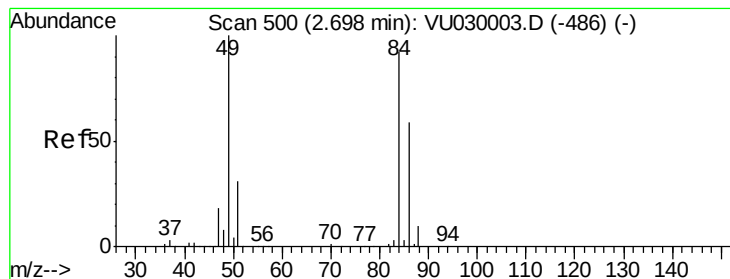
Tgt Ion: 76 Resp: 520276

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methylene Chloride

Concen: 9.468 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 84 Resp: 174894

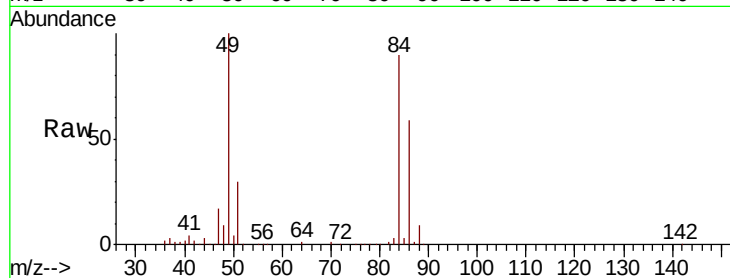
Ion Ratio Lower Upper

84 100

49 111.1 86.5 129.7

51 33.8 0.0 66.8

86 65.4 51.2 76.8

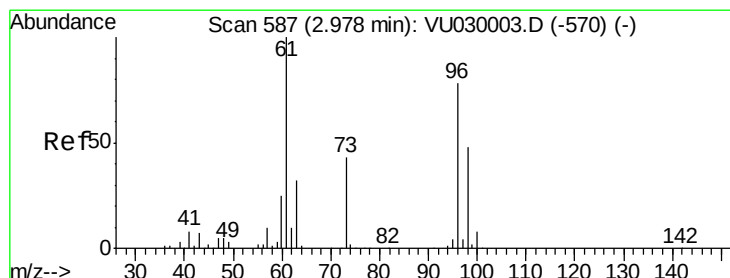
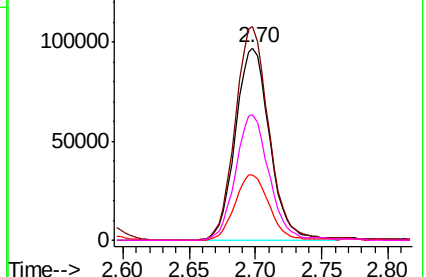
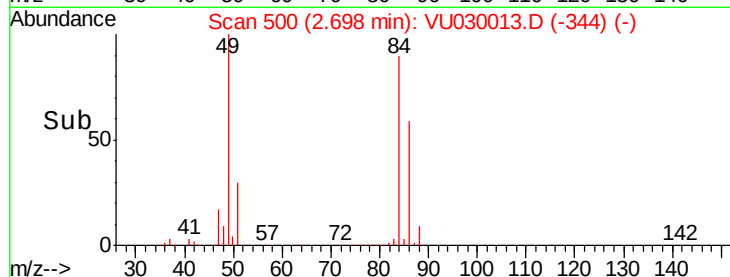


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 9.747 ug/l

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

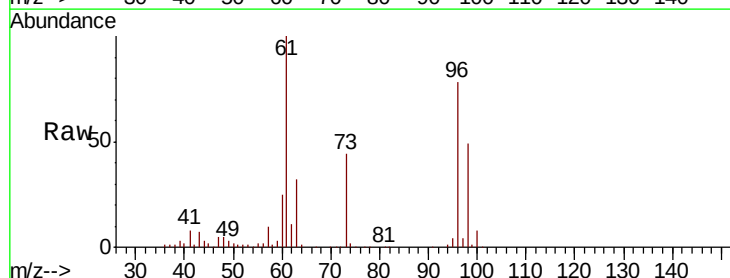
Tgt Ion: 96 Resp: 174607

Ion Ratio Lower Upper

96 100

61 128.3 103.0 154.6

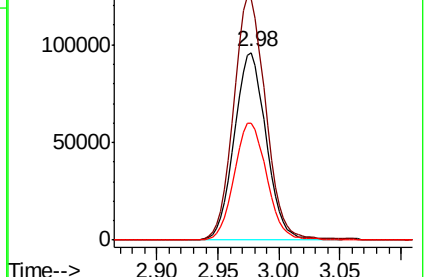
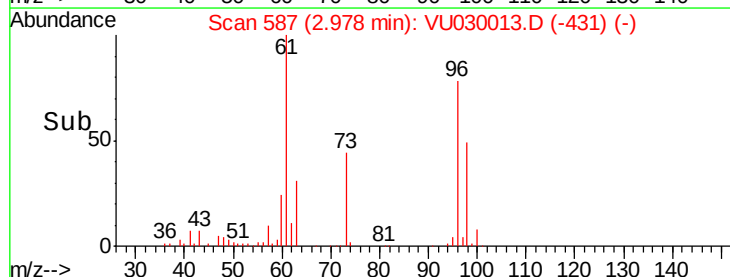
98 62.4 49.5 74.3

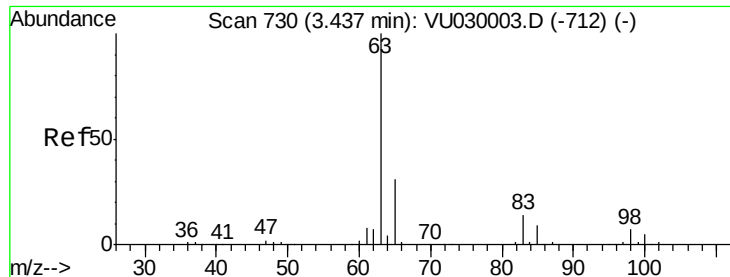


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

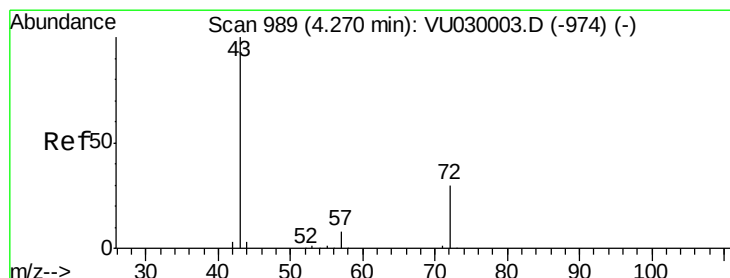
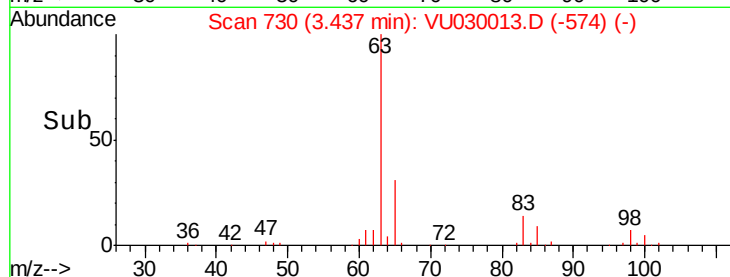
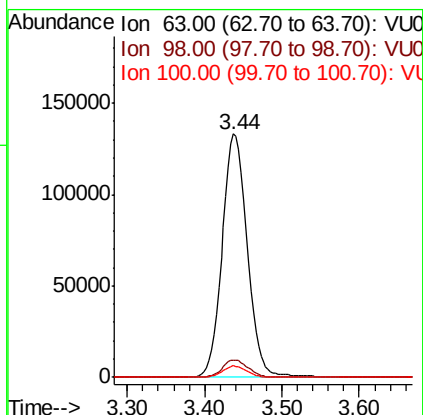
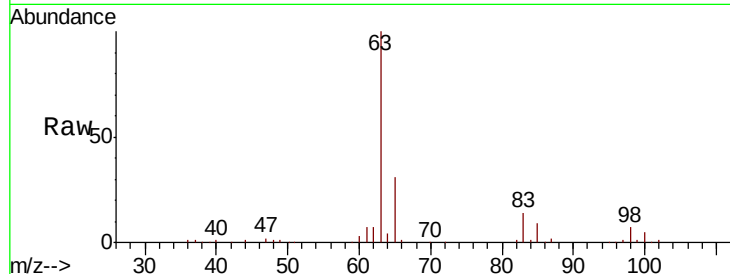




#17
 1,1-Dichloroethane
 Concen: 9.911 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

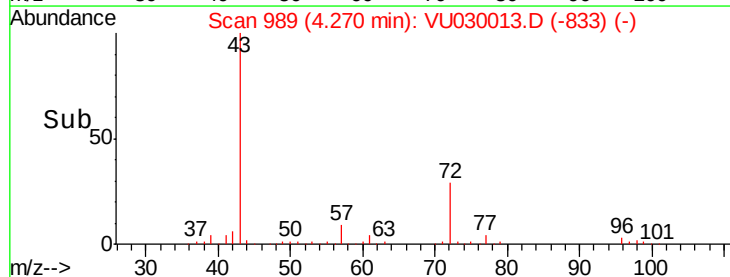
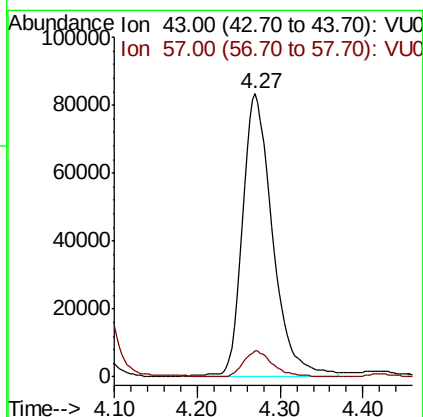
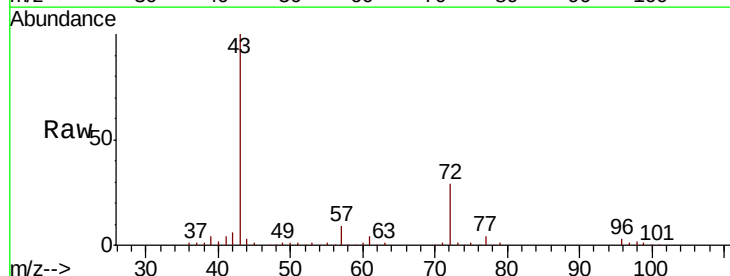
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

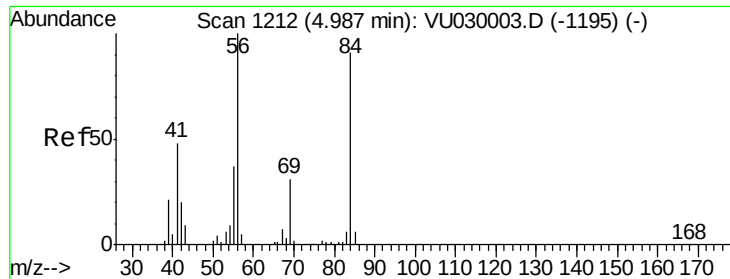
Tgt Ion: 63 Resp: 300172
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.2
 100 4.7 2.3 6.8



#18
 2-Butanone
 Concen: 51.319 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion: 43 Resp: 207837
 Ion Ratio Lower Upper
 43 100
 57 9.0 0.0 16.8

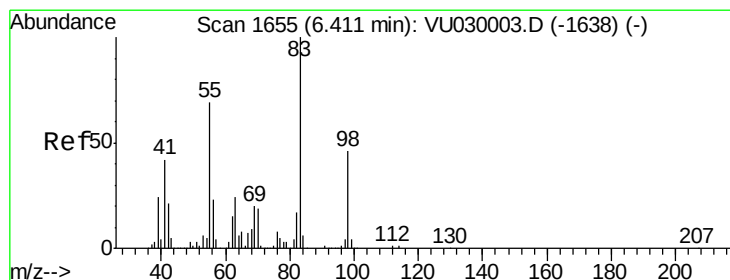
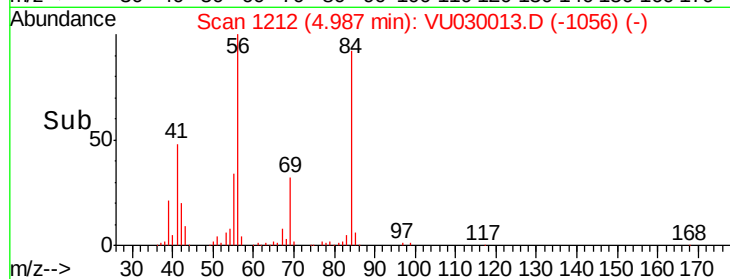
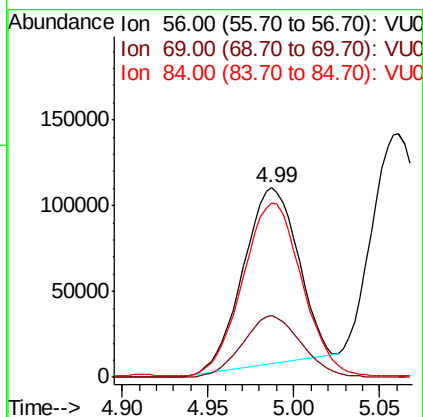
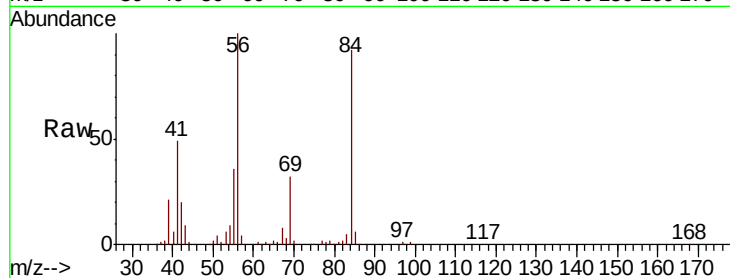




#19
Cyclohexane
Concen: 8.733 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

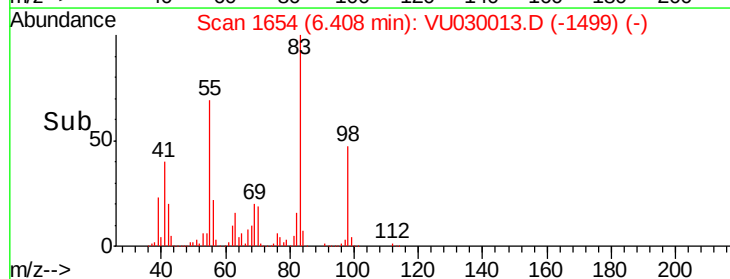
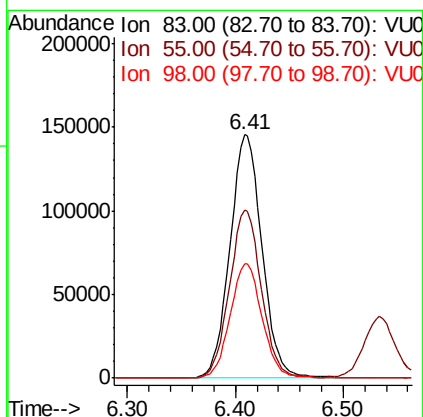
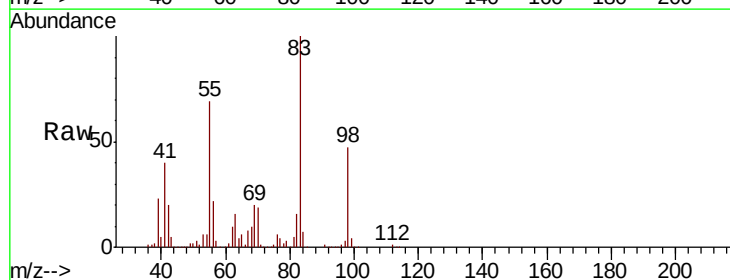
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

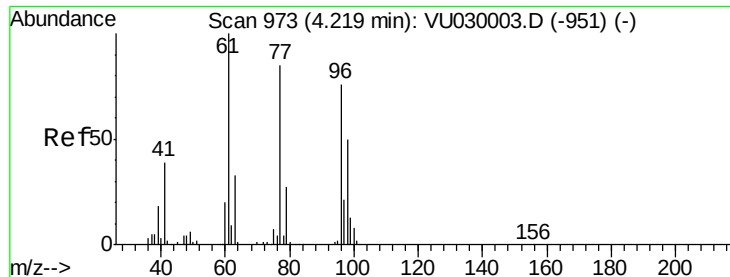
Tgt Ion: 56 Resp: 226607
Ion Ratio Lower Upper
56 100
69 37.5 25.7 38.5
84 106.9 72.9 109.3



#20
Methylcyclohexane
Concen: 10.447 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion: 83 Resp: 299157
Ion Ratio Lower Upper
83 100
55 68.7 55.6 83.4
98 46.9 37.4 56.0





#21

2,2-Dichloropropane

Concen: 9.379 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

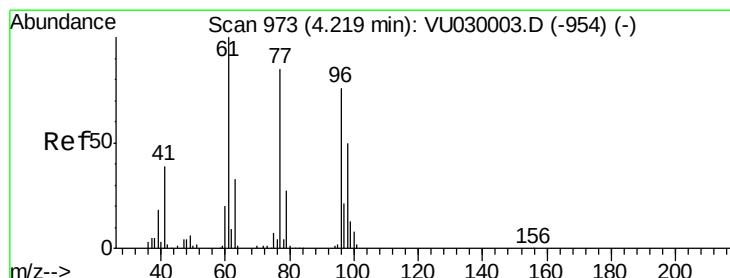
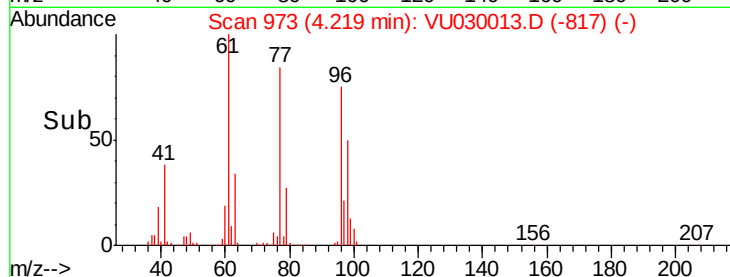
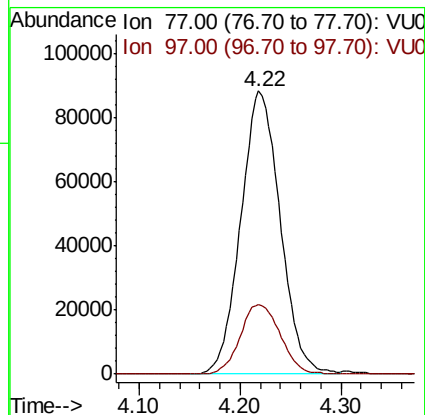
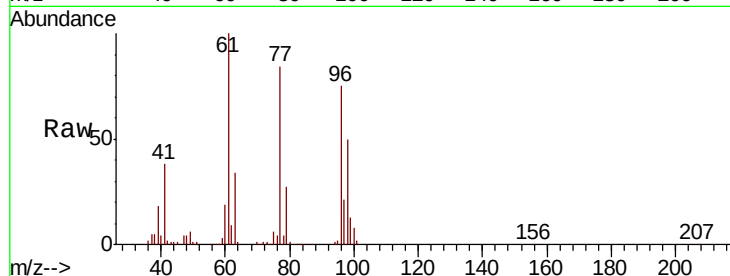
VSTDCCC010EC

Tgt Ion: 77 Resp: 238870

Ion Ratio Lower Upper

77 100

97 25.1 20.2 30.4



#22

cis-1,2-Dichloroethene

Concen: 9.916 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

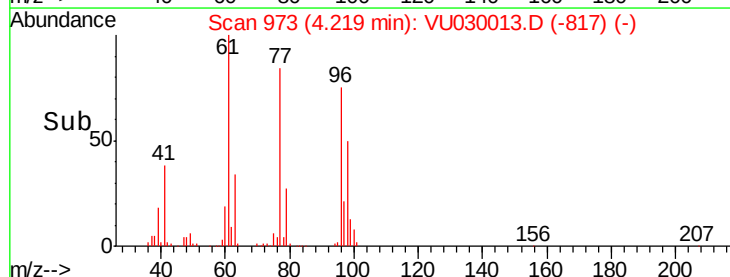
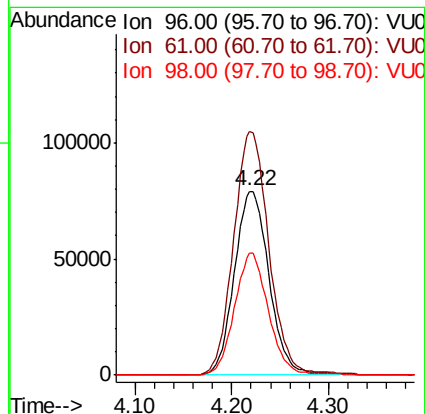
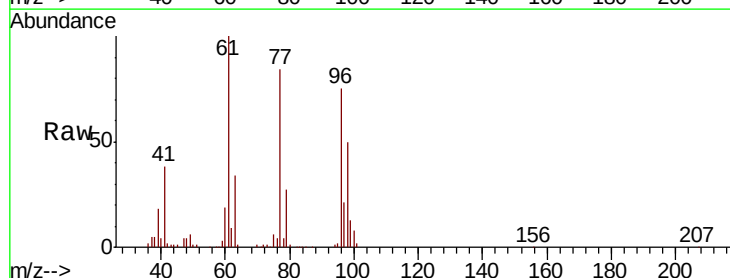
Tgt Ion: 96 Resp: 197483

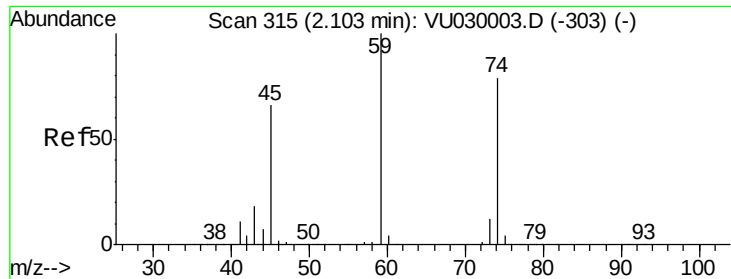
Ion Ratio Lower Upper

96 100

61 135.3 0.0 335.8

98 65.0 32.6 97.7

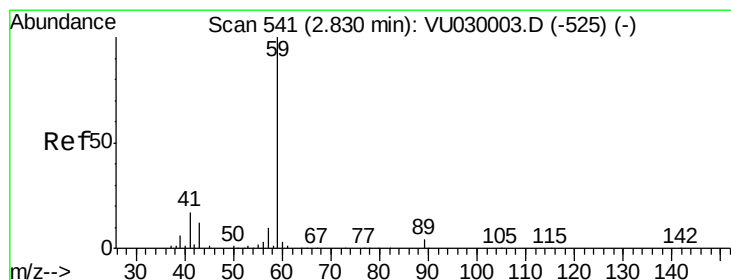
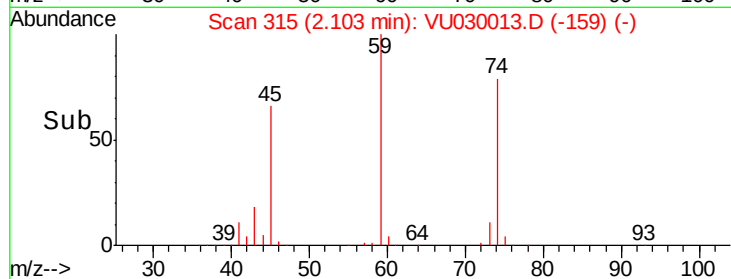
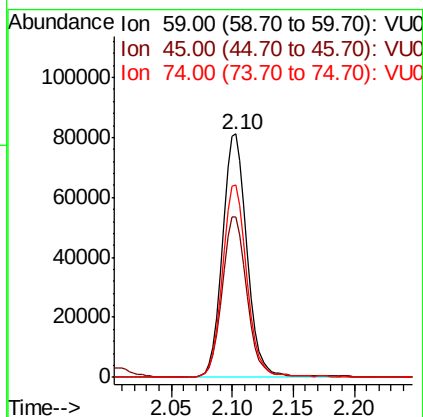
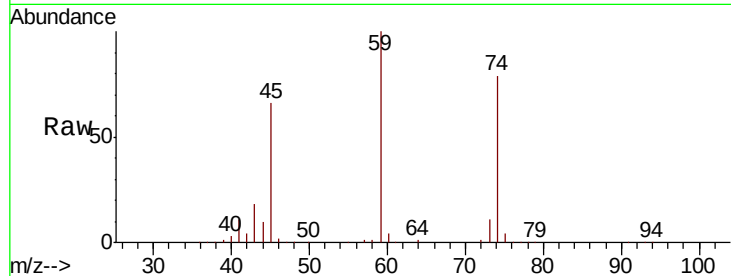




#23
 Diethyl Ether
 Concen: 9.981 ug/l
 RT: 2.10 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

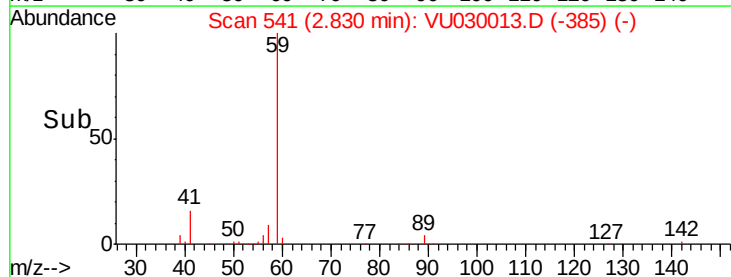
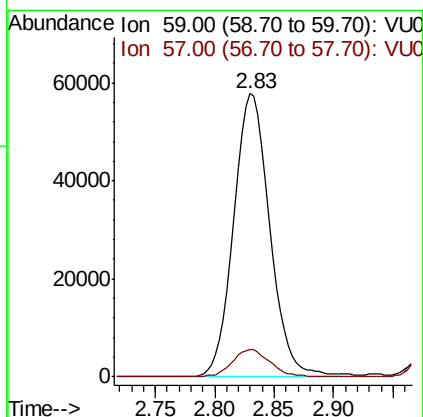
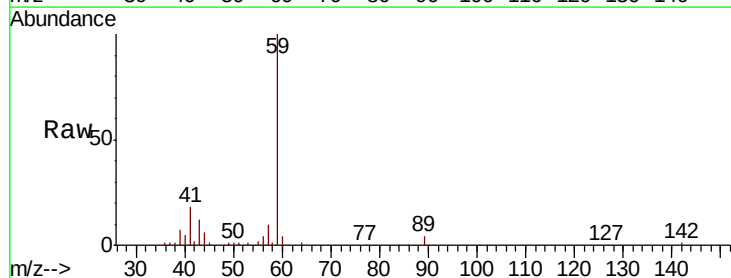
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

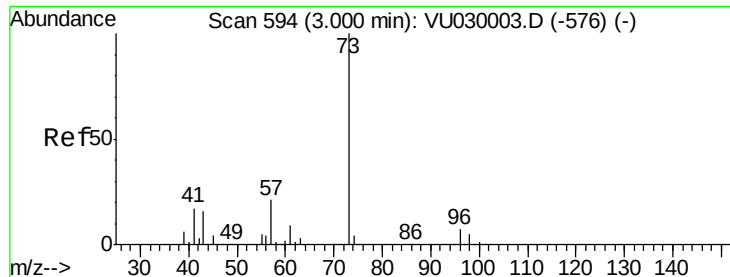
Tgt Ion:	59	Resp:	115695
Ion	Ratio	Lower	Upper
59	100		
45	65.4	52.3	78.5
74	78.6	61.1	91.7



#24
 tert-Butyl Alcohol
 Concen: 98.258 ug/l
 RT: 2.83 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion:	59	Resp:	121892
Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.7	11.5



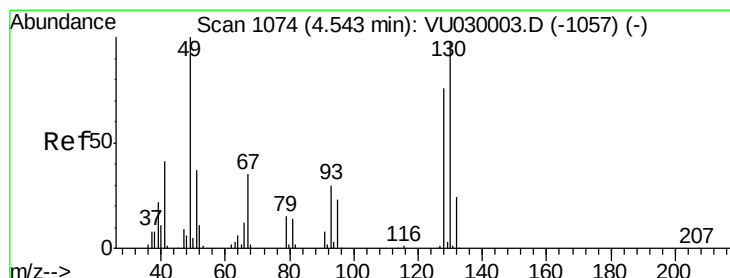
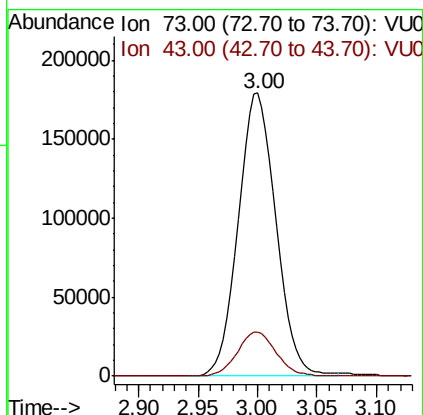
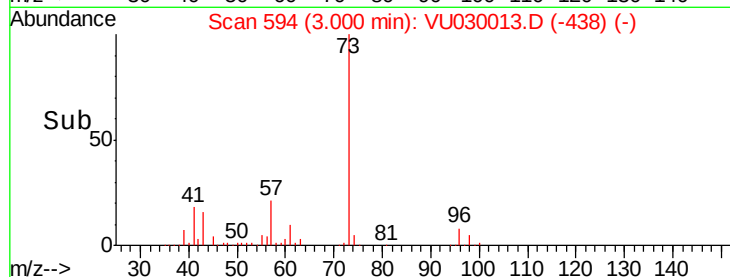
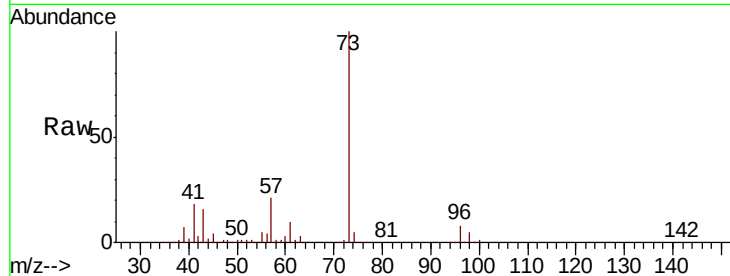


#25

Methyl tert-Butyl Ether
 Concen: 10.039 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

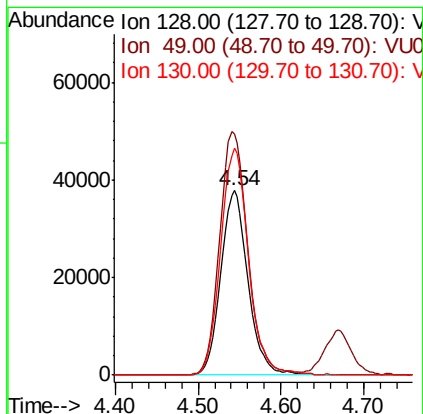
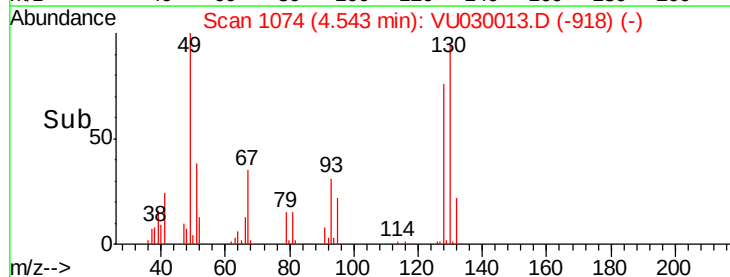
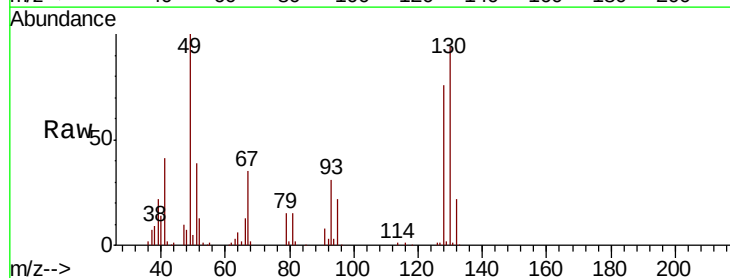
Tgt Ion: 73 Resp: 393321
 Ion Ratio Lower Upper
 73 100
 43 15.9 13.1 19.7

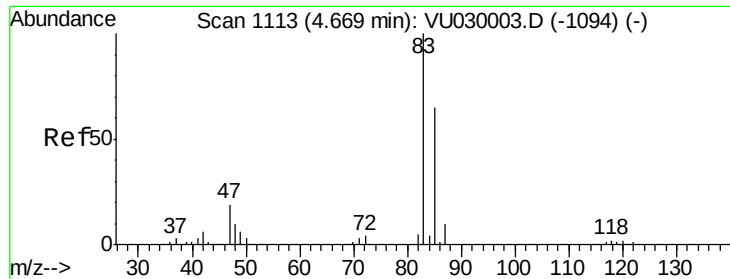


#26

Bromochloromethane
 Concen: 9.895 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion: 128 Resp: 86214
 Ion Ratio Lower Upper
 128 100
 49 135.9 0.0 270.4
 130 126.1 102.6 153.8

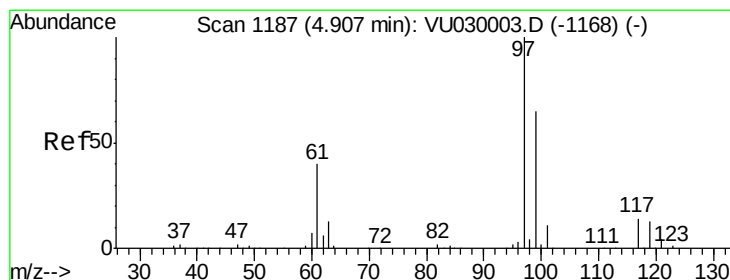
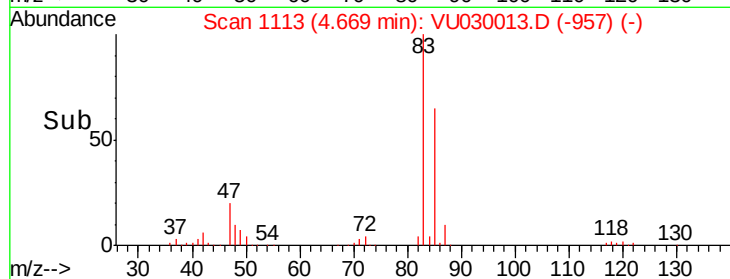
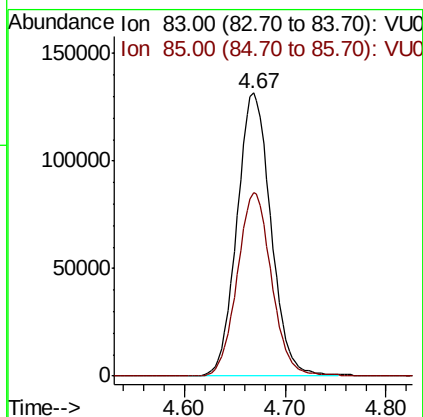
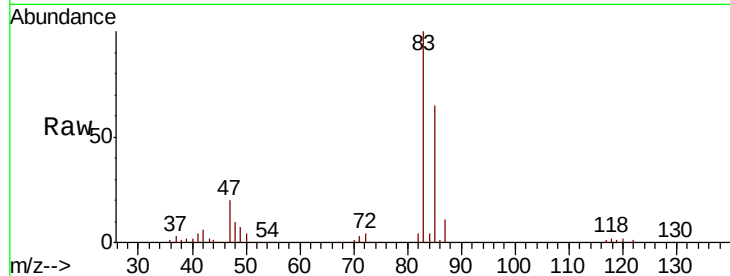




#27
Chloroform
Concen: 9.639 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

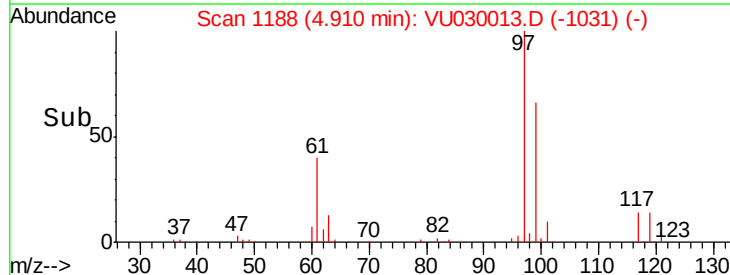
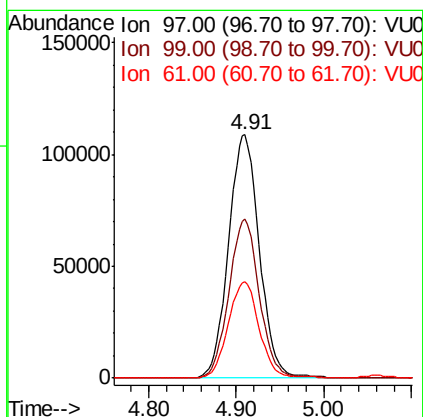
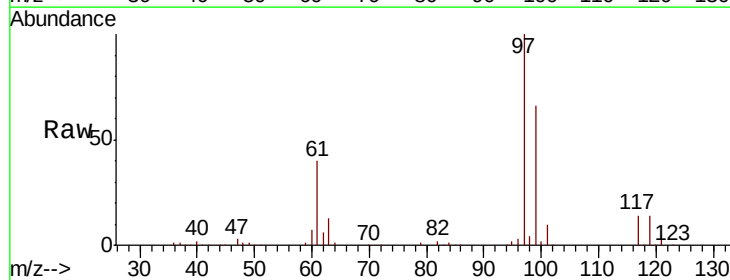
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

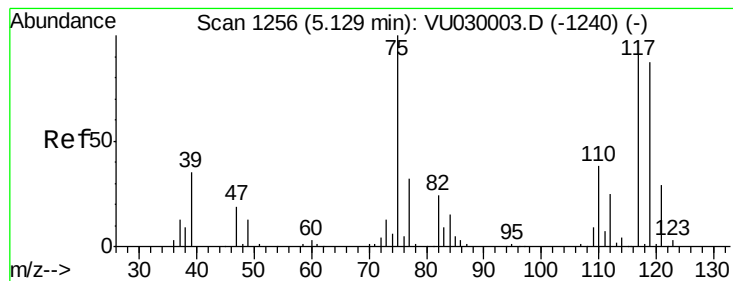
Tgt Ion: 83 Resp: 307157
Ion Ratio Lower Upper
83 100
85 64.9 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 10.168 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion: 97 Resp: 266600
Ion Ratio Lower Upper
97 100
99 64.6 32.4 97.0
61 40.0 20.4 61.2





#29

1,1-Dichloropropene

Concen: 9.987 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

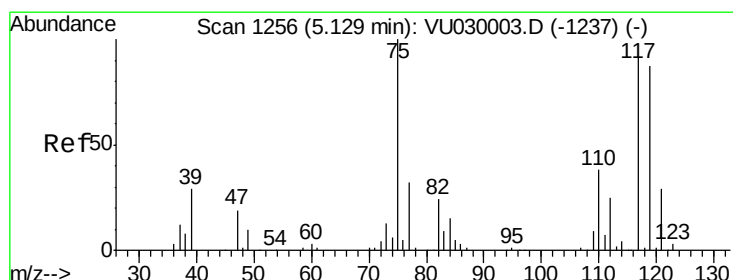
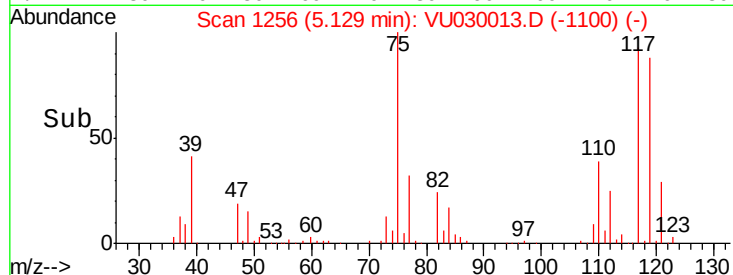
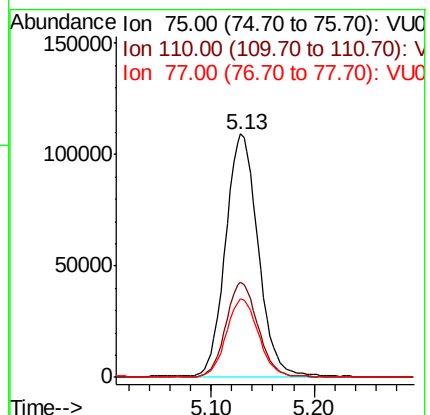
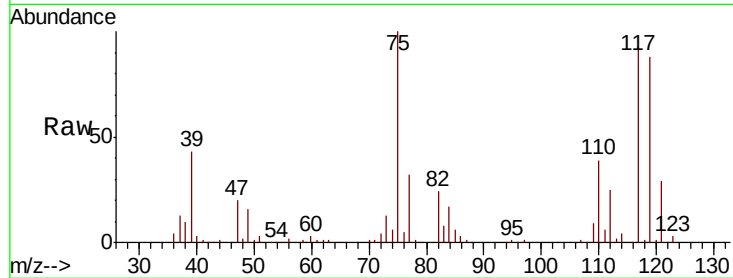
Tgt Ion: 75 Resp: 238393

Ion Ratio Lower Upper

75 100

110 39.1 19.1 57.3

77 31.7 25.2 37.8



#30

Carbon Tetrachloride

Concen: 10.071 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

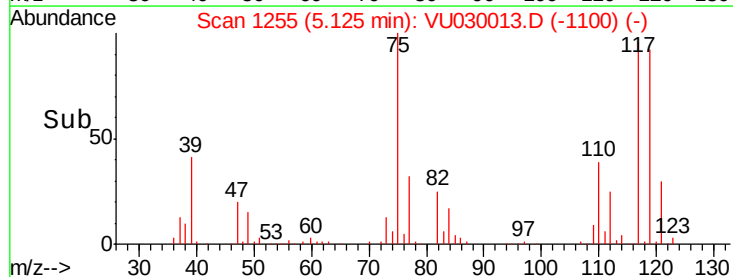
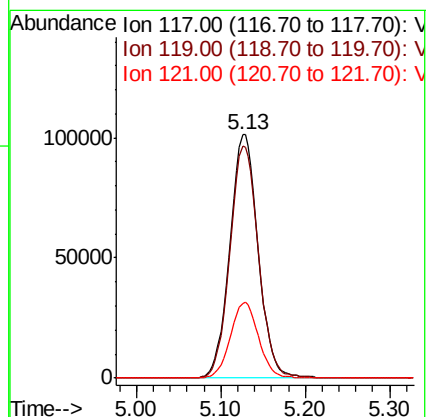
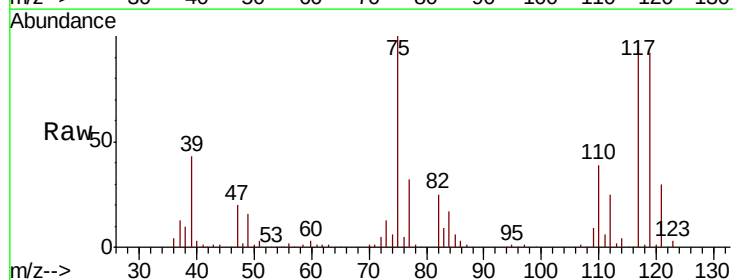
Tgt Ion: 117 Resp: 236042

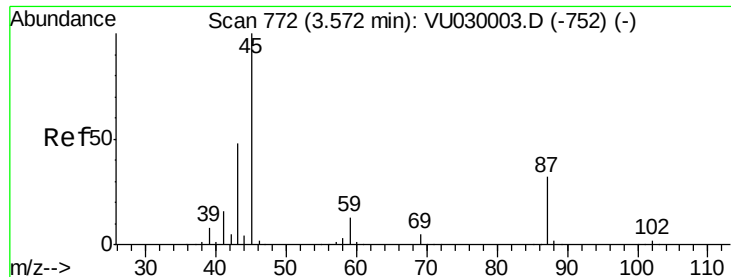
Ion Ratio Lower Upper

117 100

119 95.2 76.3 114.5

121 30.7 25.1 37.7





#31

Isopropyl Ether

Concen: 10.270 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

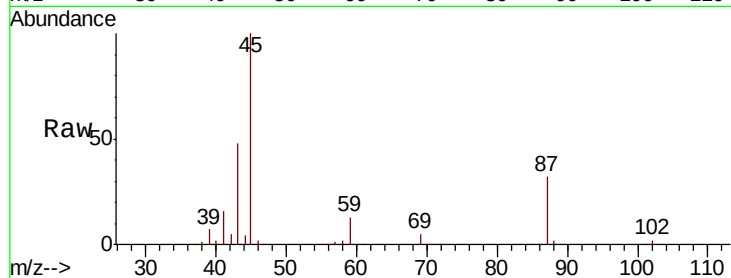
VSTDCCC010EC

Tgt Ion: 45 Resp: 437734

Ion Ratio Lower Upper

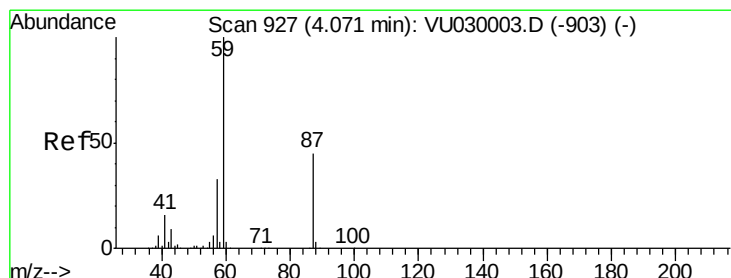
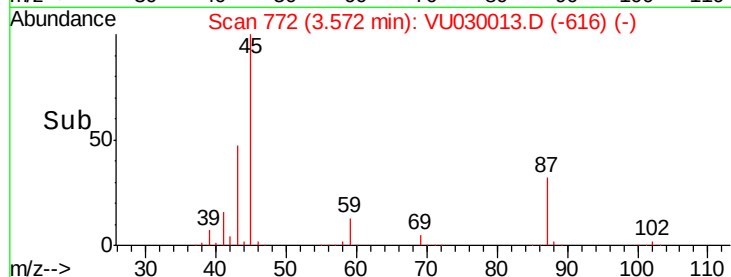
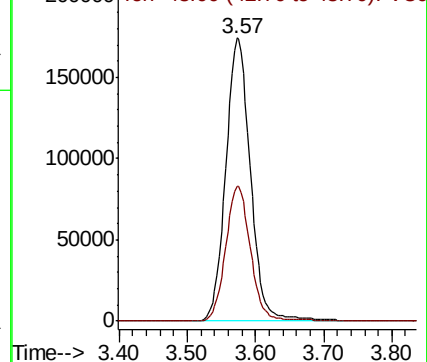
45 100

43 48.3 24.5 73.5



Abundance Ion 45.00 (44.70 to 45.70): VU030013.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VU030013.D (-616) (-)



#32

Ethyl-t-butyl ether

Concen: 10.299 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU030013.D

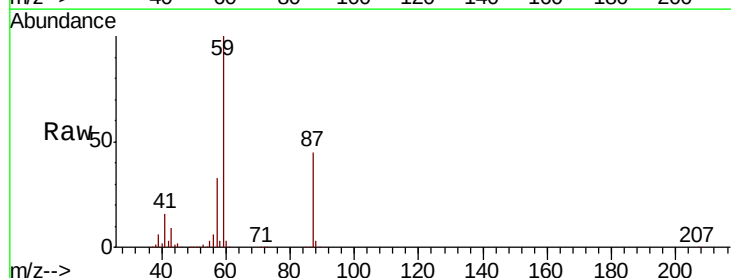
Acq: 12 Mar 2019 18:07

Tgt Ion: 59 Resp: 422926

Ion Ratio Lower Upper

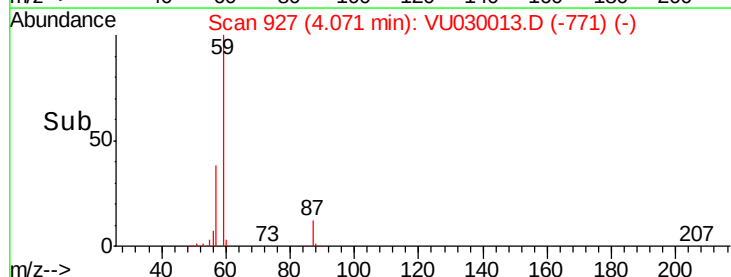
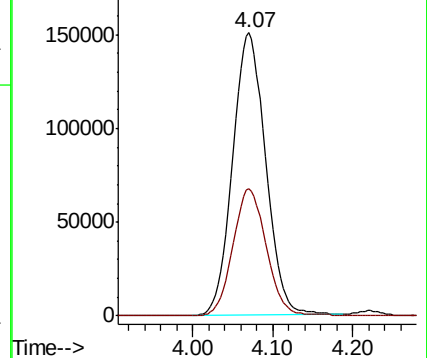
59 100

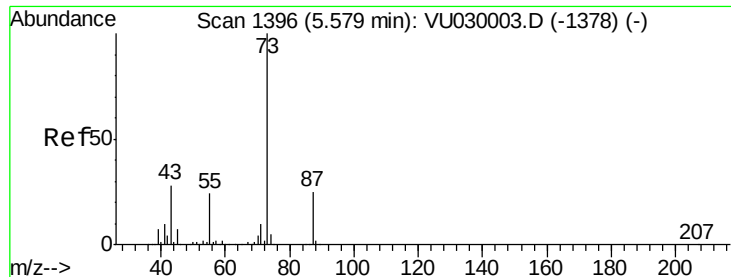
87 44.9 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU030013.D (-771) (-)

Ion 87.00 (86.70 to 87.70): VU030013.D (-771) (-)

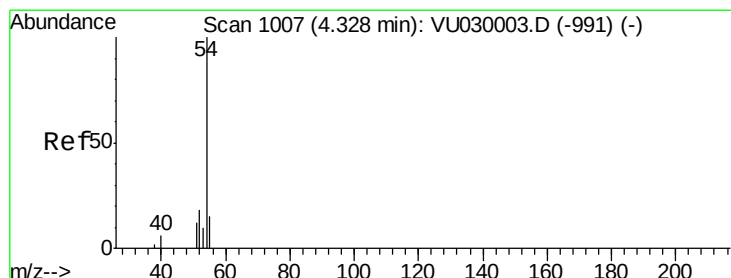
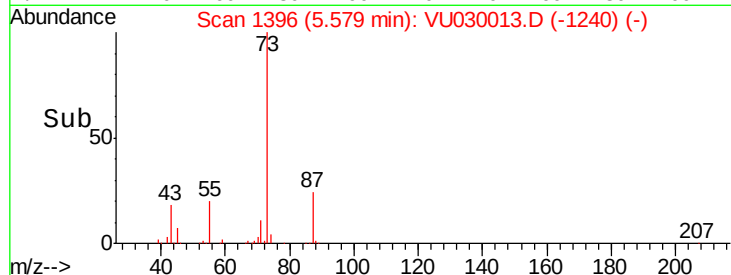
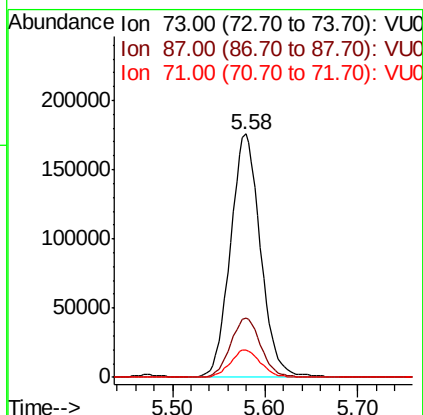
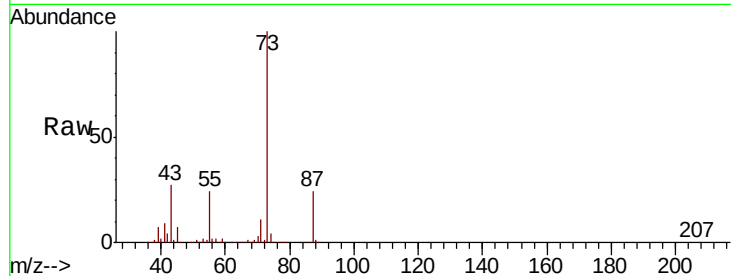




#33
Tert-Amyl methyl ether
Concen: 10.437 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

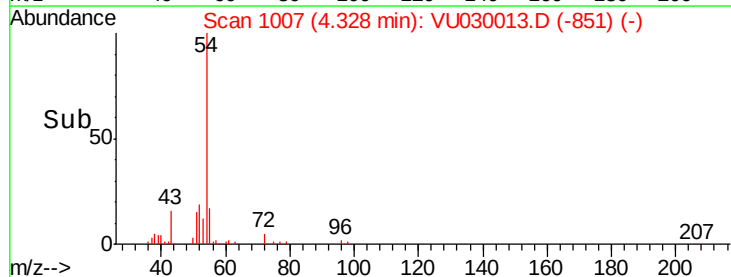
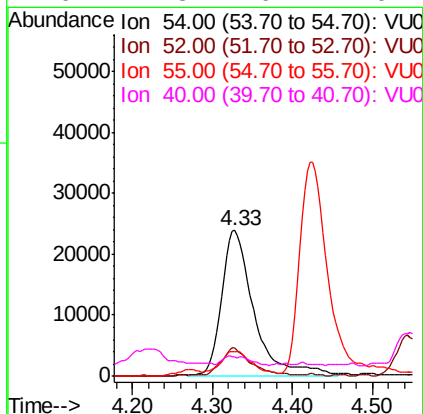
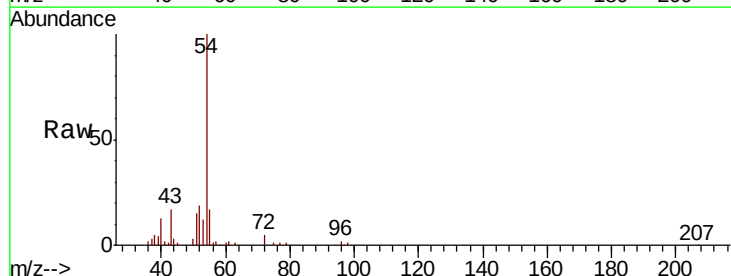
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

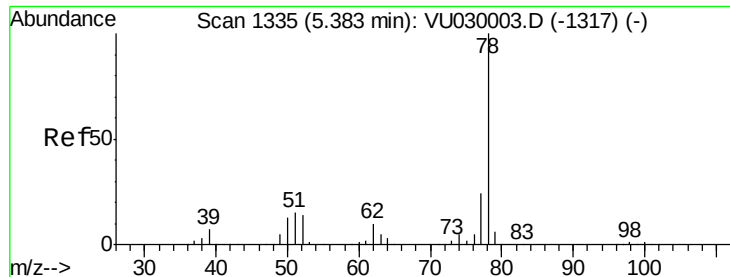
Tgt Ion: 73 Resp: 392315
Ion Ratio Lower Upper
73 100
87 24.8 19.7 29.5
71 11.5 8.6 13.0



#34
Propionitrile
Concen: 57.716 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion: 54 Resp: 65157
Ion Ratio Lower Upper
54 100
52 17.7 15.8 23.6
55 14.1 12.5 18.7
40 2.3 6.1 9.1#





#35

Benzene

Concen: 10.095 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

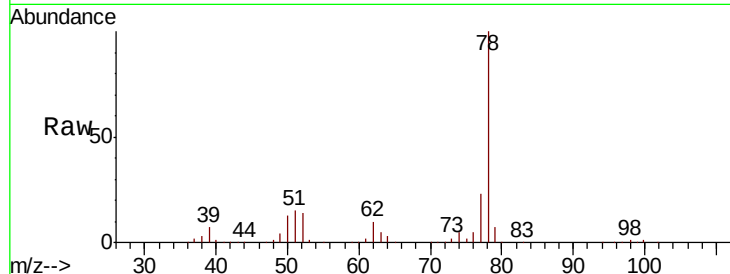
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 78 Resp: 705001

Ion Ratio Lower Upper

78 100

77 23.2 18.9 28.3



Abundance Ion 78.10 (77.80 to 78.80): VU030013.D (-1317) (-)

Ion 77.00 (76.70 to 77.70): VU030013.D (-1317) (-)

5.38

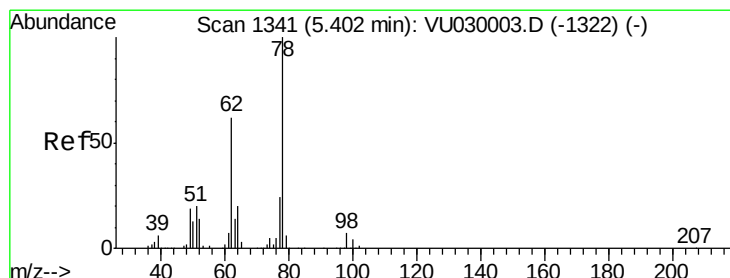
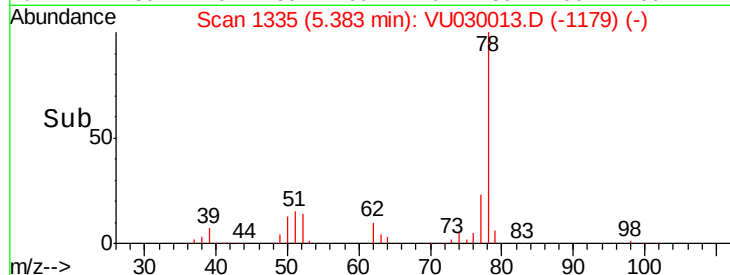
300000

200000

100000

0

Time-->



#36

1,2-Dichloroethane

Concen: 9.792 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU030013.D

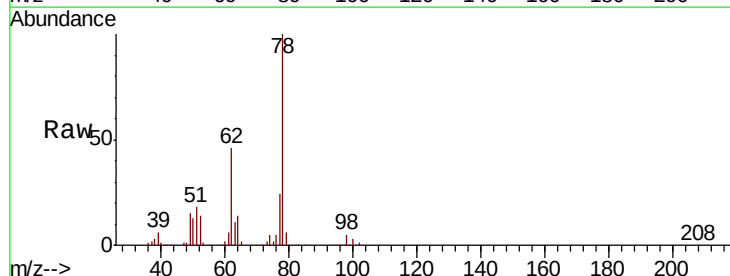
Acq: 12 Mar 2019 18:07

Tgt Ion: 62 Resp: 182841

Ion Ratio Lower Upper

62 100

98 10.6 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU030013.D (-1341) (-)

Ion 98.00 (97.70 to 98.70): VU030013.D (-1341) (-)

5.40

80000

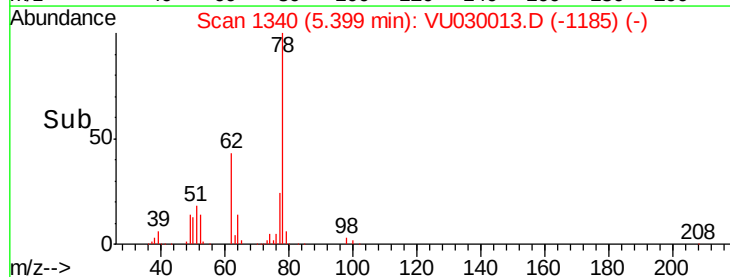
60000

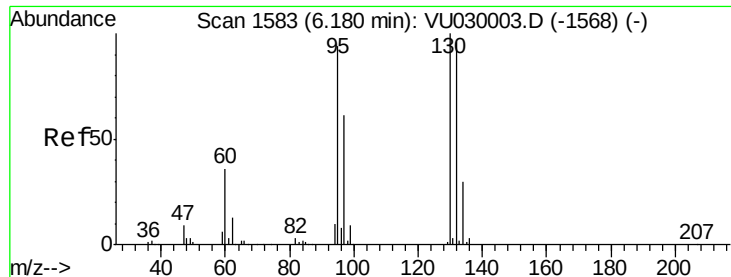
40000

20000

0

Time-->





#37

Trichloroethene

Concen: 9.949 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

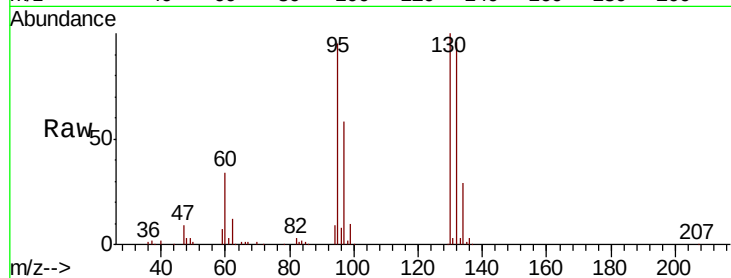
VSTDCCC010EC

Tgt Ion:130 Resp: 200127

Ion Ratio Lower Upper

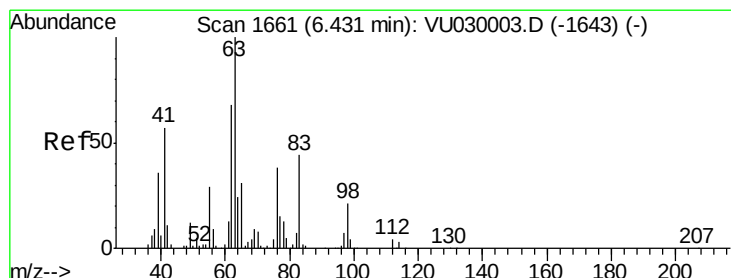
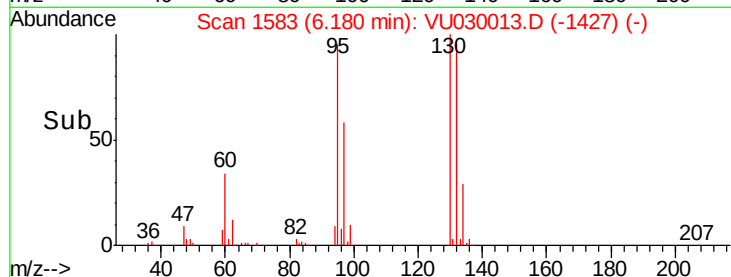
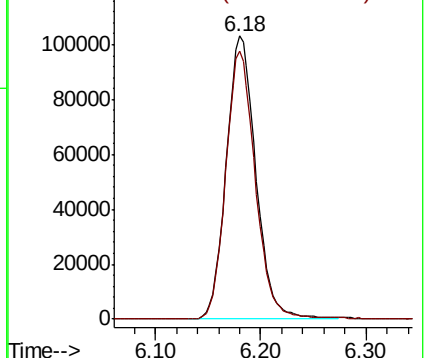
130 100

95 94.8 75.2 112.8



Abundance Ion 129.90 (129.60 to 130.60): VU030003.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU030003.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 10.014 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU030013.D

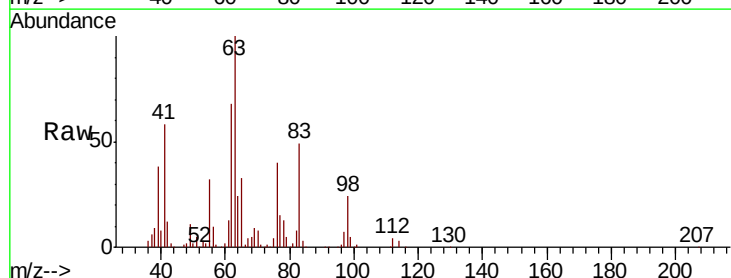
Acq: 12 Mar 2019 18:07

Tgt Ion: 63 Resp: 177776

Ion Ratio Lower Upper

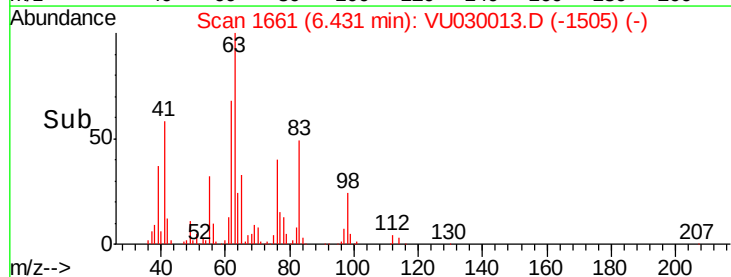
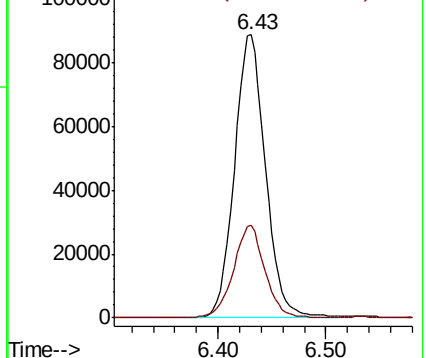
63 100

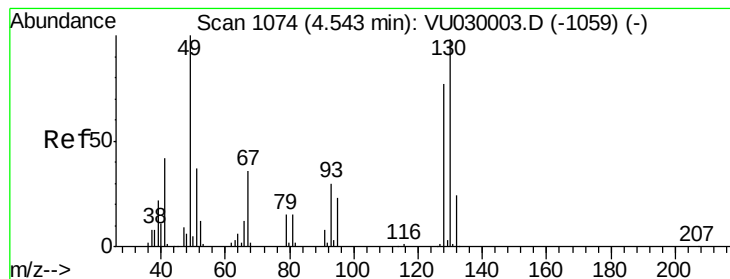
65 32.6 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU030003.D (-1643) (-)

Ion 65.00 (64.70 to 65.70): VU030003.D (-1643) (-)





#39

Methacrylonitrile

Concen: 10.220 ug/l

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 50315

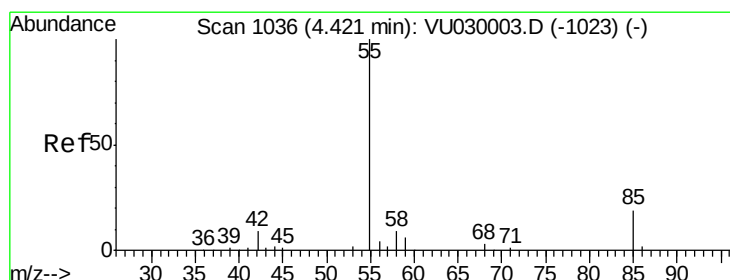
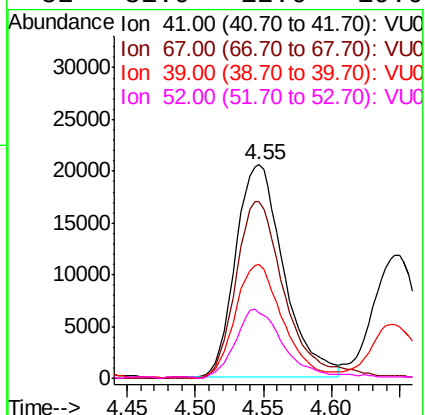
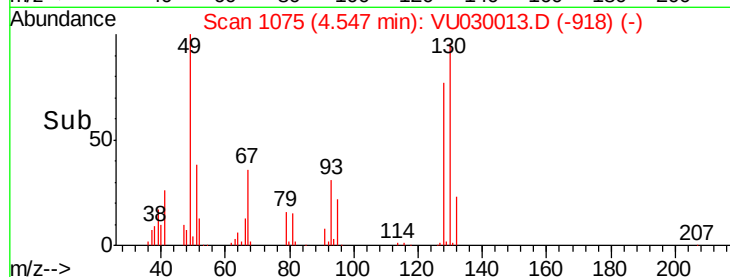
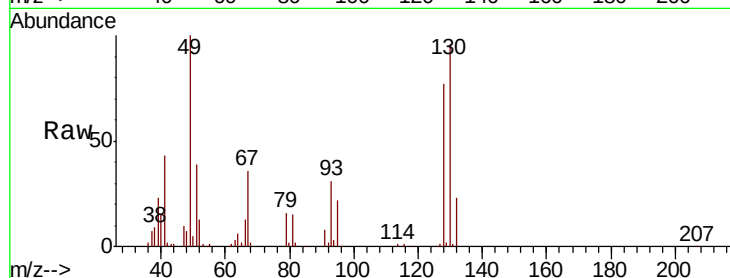
Ion Ratio Lower Upper

41 100

67 84.4 71.4 107.0

39 53.0 41.9 62.9

52 31.9 12.6 19.0#



#40

Methyl acrylate

Concen: 10.706 ug/l

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Tgt Ion: 55 Resp: 83280

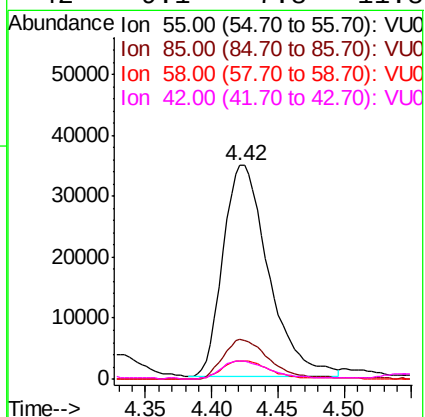
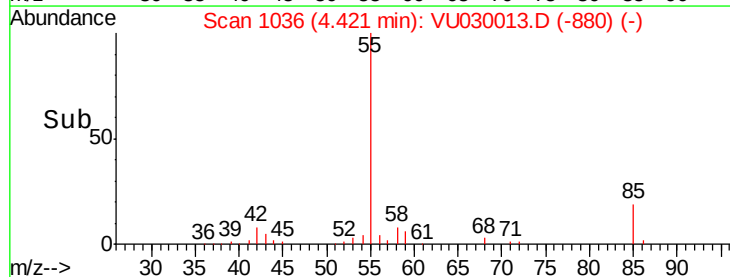
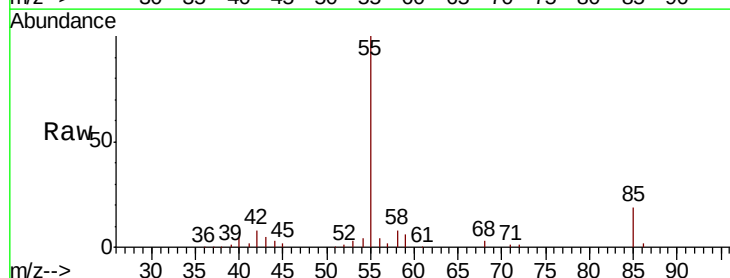
Ion Ratio Lower Upper

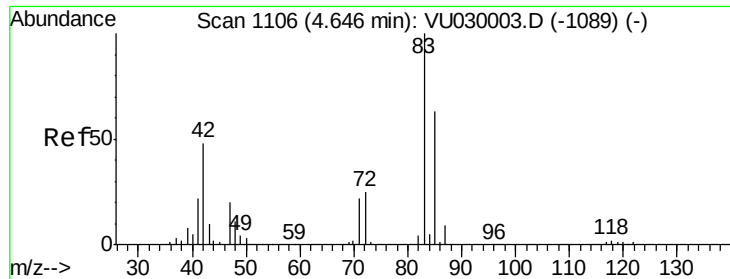
55 100

85 18.4 16.2 24.2

58 9.2 7.0 10.6

42 9.1 7.8 11.8

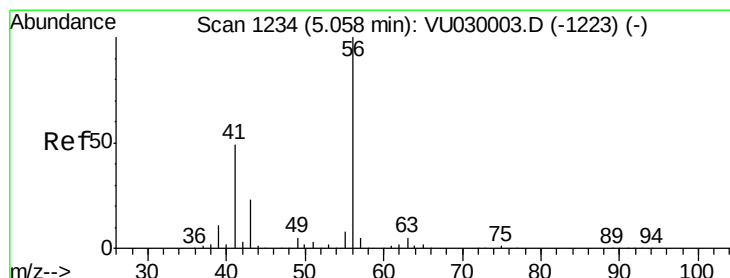
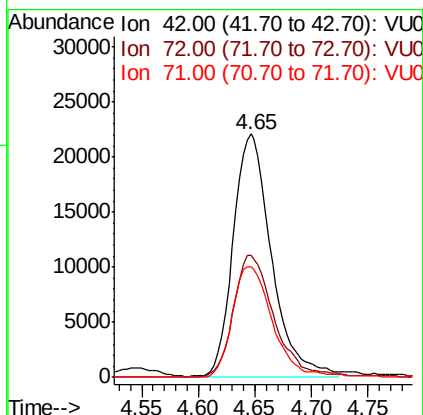
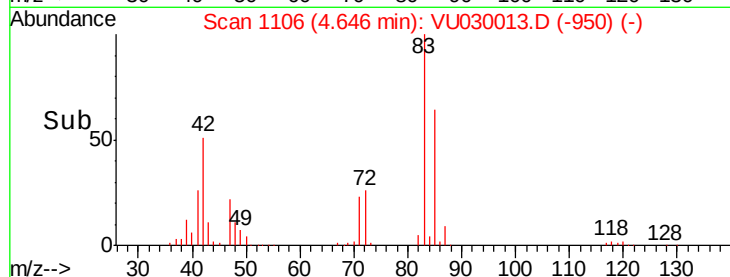
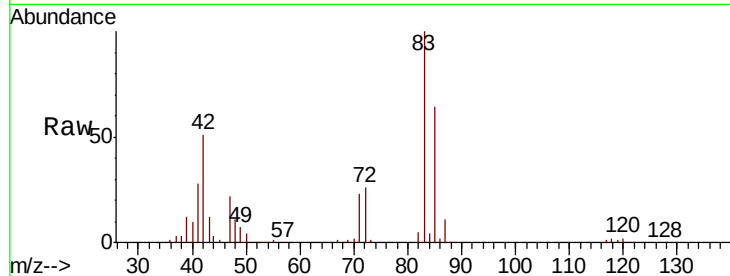




#41
Tetrahydrofuran
Concen: 19.222 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

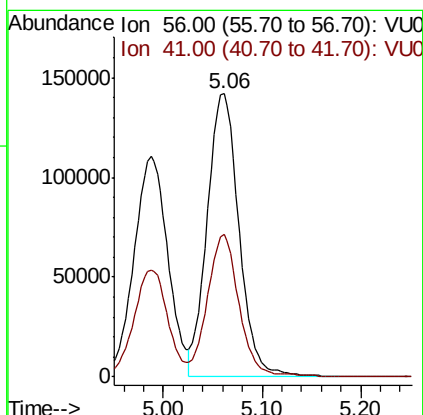
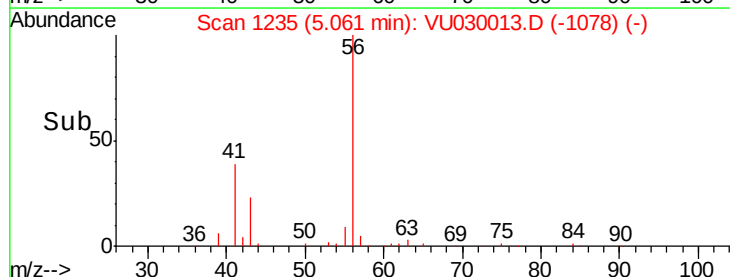
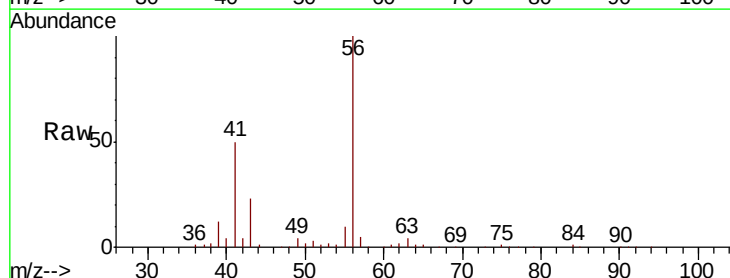
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

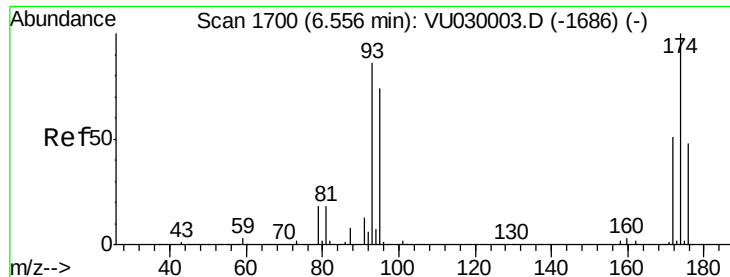
Tgt Ion: 42 Resp: 52342
Ion Ratio Lower Upper
42 100
72 53.4 44.9 67.3
71 47.5 37.8 56.8



#42
1-Chlorobutane
Concen: 10.193 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion: 56 Resp: 318663
Ion Ratio Lower Upper
56 100
41 48.9 24.7 74.1





#43

Dibromomethane

Concen: 9.846 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

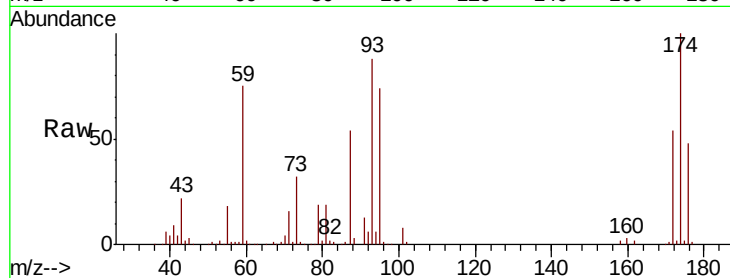
Tgt Ion: 93 Resp: 90437

Ion Ratio Lower Upper

93 100

95 85.4 68.6 102.8

174 116.0 91.8 137.8



Abundance Ion 93.00 (92.70 to 93.70): VU030013.D (-1686) (-)

Ion 95.00 (94.70 to 95.70): VU030013.D (-1686) (-)

Ion 174.00 (173.70 to 174.70): VU030013.D (-1686) (-)

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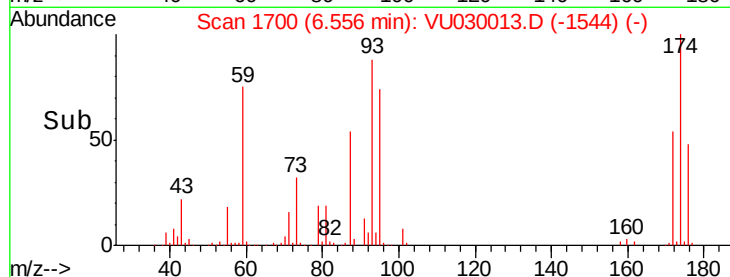
6.56

6.56

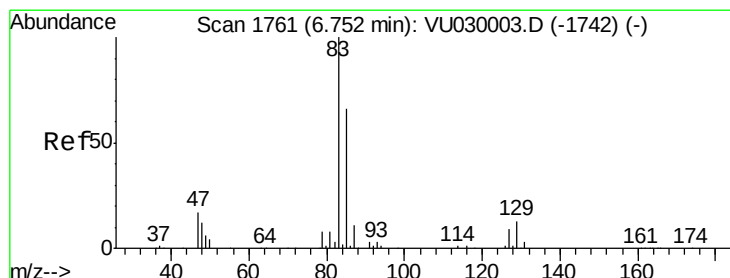
6.56

6.56

6.56



Time-->



#44

Bromodichloromethane

Concen: 10.259 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

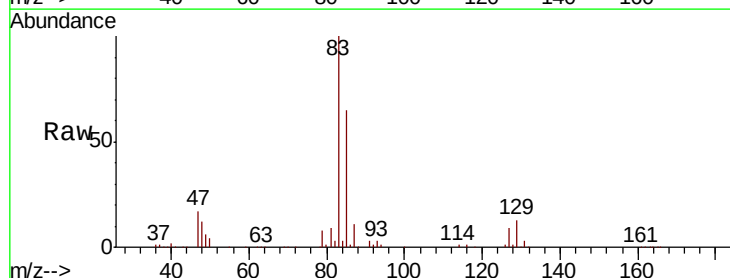
Tgt Ion: 83 Resp: 224796

Ion Ratio Lower Upper

83 100

85 65.4 53.2 79.8

127 9.0 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VU030013.D (-1742) (-)

Ion 85.00 (84.70 to 85.70): VU030013.D (-1742) (-)

Ion 127.00 (126.70 to 127.70): VU030013.D (-1742) (-)

6.75

6.75

6.75

6.75

6.75

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6.75

6.75

6.75

6.75

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6.75

6.75

6.75

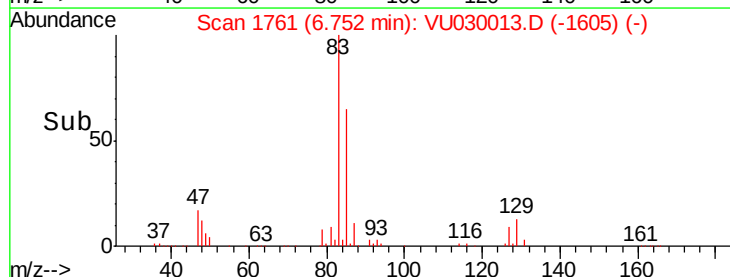
6.75

6.75

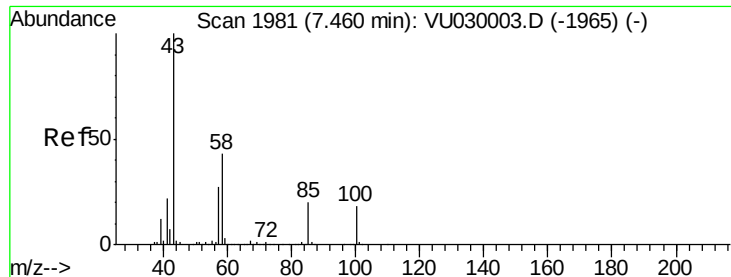
6.75

6.75

6.75



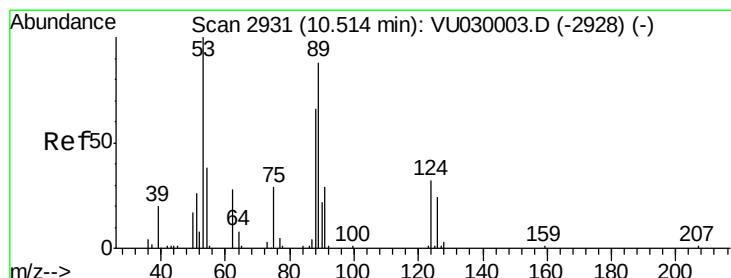
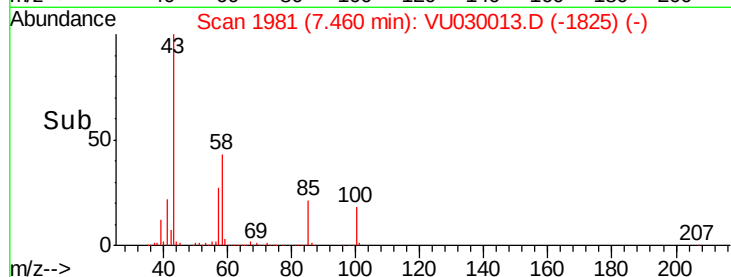
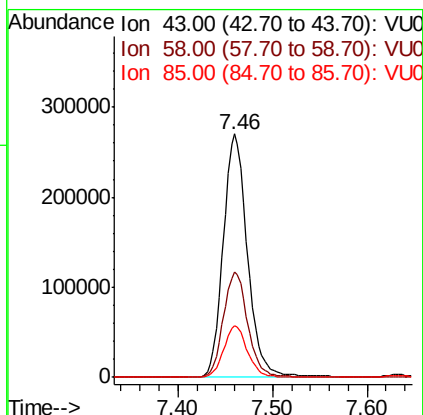
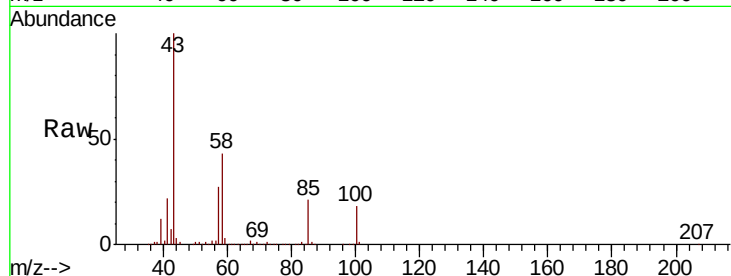
Time-->



#45
 4-Methyl-2-Pentanone
 Concen: 53.034 ug/l
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

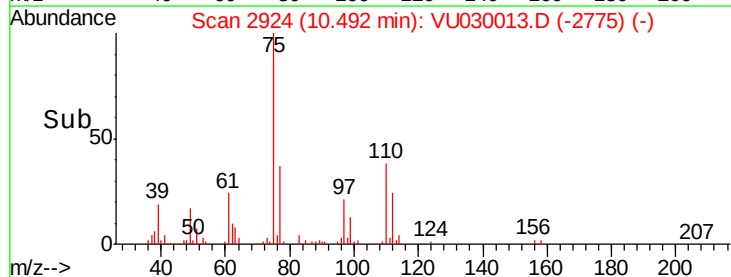
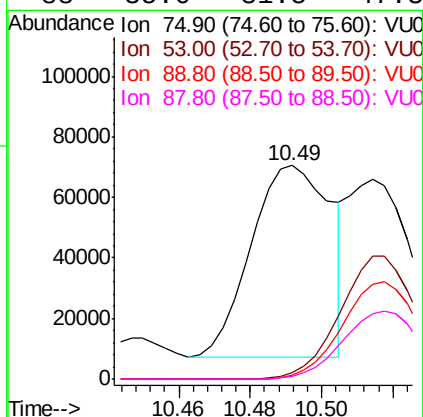
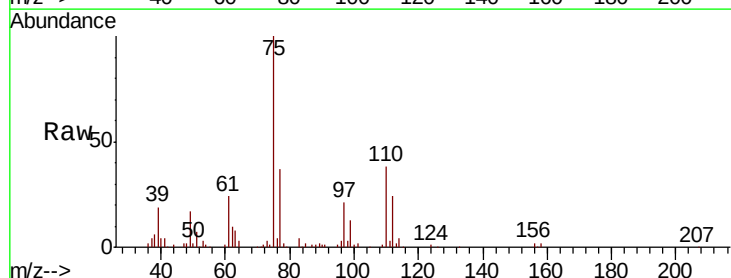
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

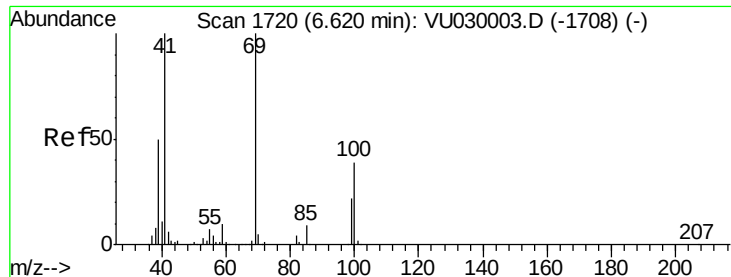
Tgt Ion: 43 Resp: 481253
 Ion Ratio Lower Upper
 43 100
 58 43.9 21.6 64.6
 85 20.8 16.3 24.5



#46
 t-1,4-Dichloro-2-butene
 Concen: 21.901 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.02 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion: 75 Resp: 98028
 Ion Ratio Lower Upper
 75 100
 53 63.5 57.0 85.6
 89 50.3 43.6 65.4
 88 35.6 31.5 47.3





#47

Methyl methacrylate

Concen: 21.929 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 69 Resp: 168729

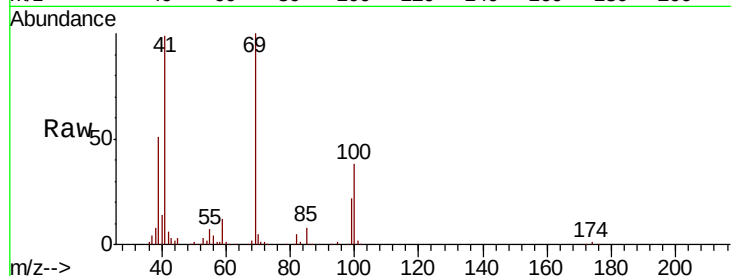
Ion Ratio Lower Upper

69 100

41 101.2 0.0 197.8

39 51.6 40.2 60.4

100 38.6 31.0 46.6

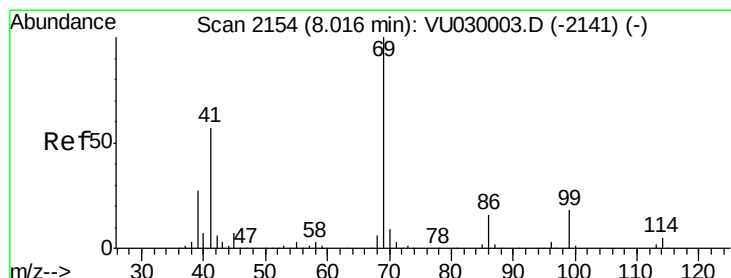
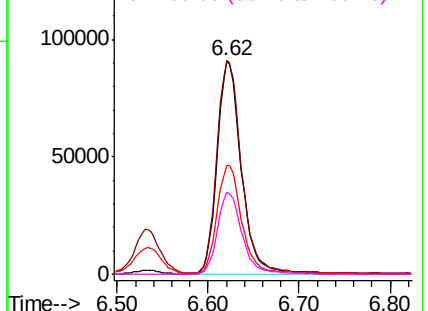
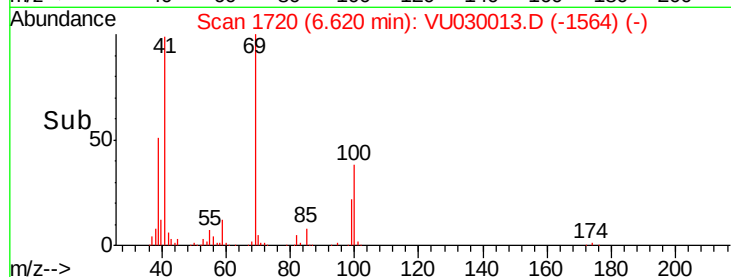


Abundance Ion 69.00 (68.70 to 69.70): VU030013.D (-1564) (-)

Ion 41.00 (40.70 to 41.70): VU030013.D (-1564) (-)

Ion 39.00 (38.70 to 39.70): VU030013.D (-1564) (-)

Ion 100.00 (99.70 to 100.70): VU030013.D (-1564) (-)



#48

Ethyl methacrylate

Concen: 11.450 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VU030013.D

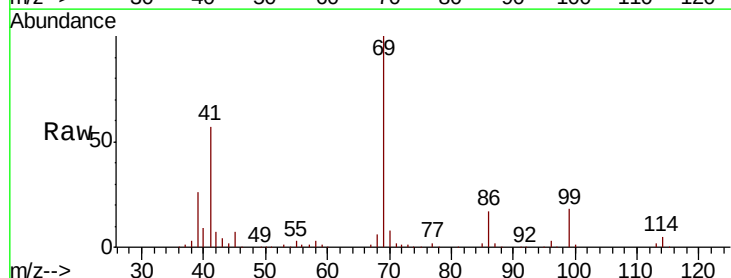
Acq: 12 Mar 2019 18:07

Tgt Ion: 69 Resp: 166157

Ion Ratio Lower Upper

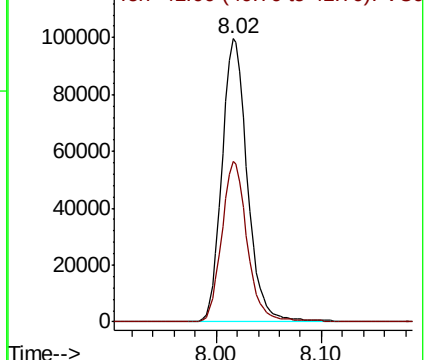
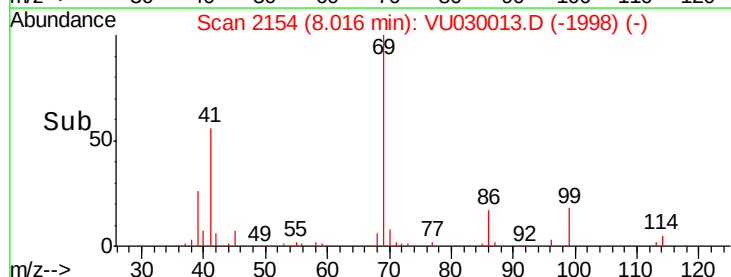
69 100

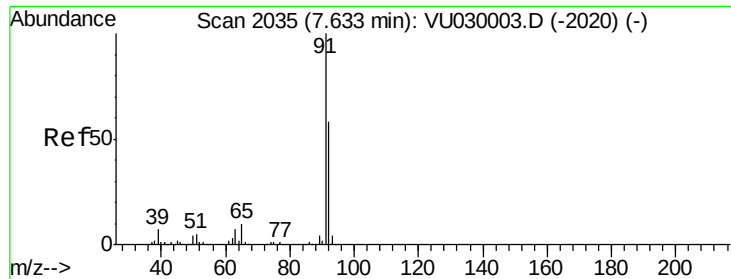
41 56.9 28.1 84.4



Abundance Ion 69.00 (68.70 to 69.70): VU030013.D (-1998) (-)

Ion 41.00 (40.70 to 41.70): VU030013.D (-1998) (-)





#49

Toluene

Concen: 10.574 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

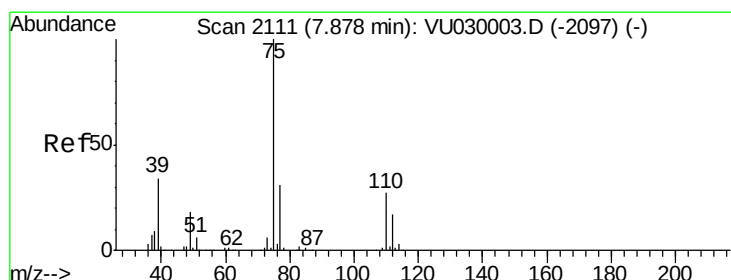
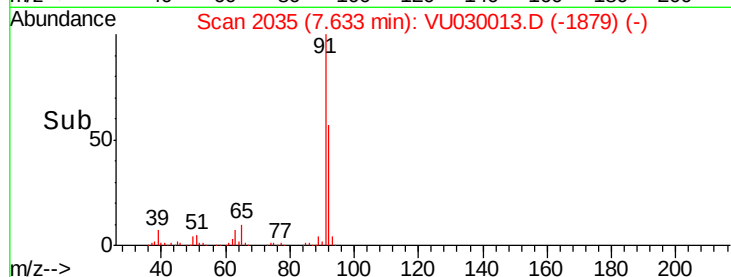
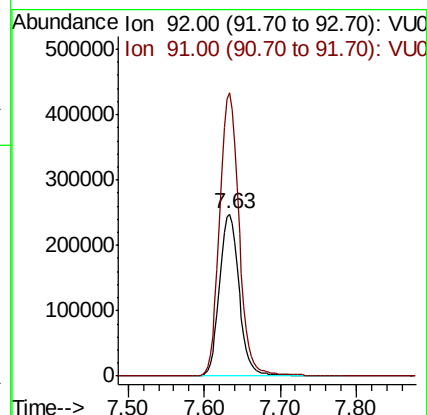
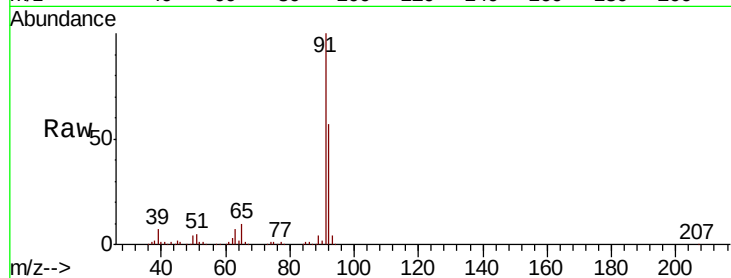
VSTDCCC010EC

Tgt Ion: 92 Resp: 444932

Ion Ratio Lower Upper

92 100

91 172.7 140.1 210.1



#50

t-1,3-Dichloropropene

Concen: 10.749 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030013.D

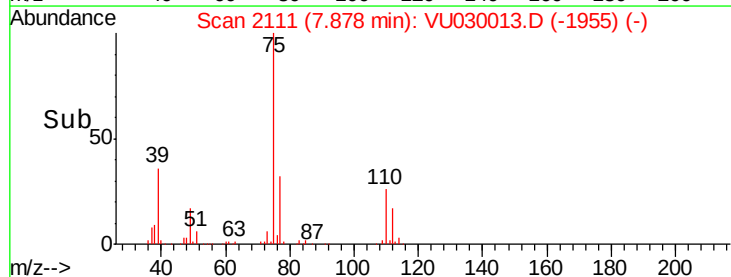
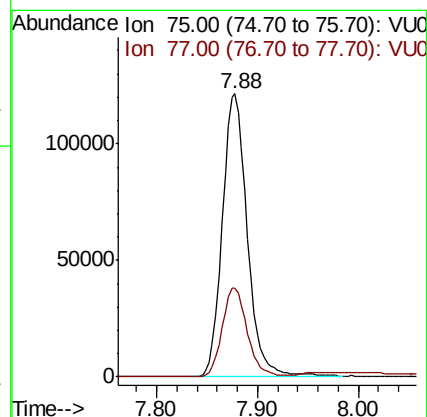
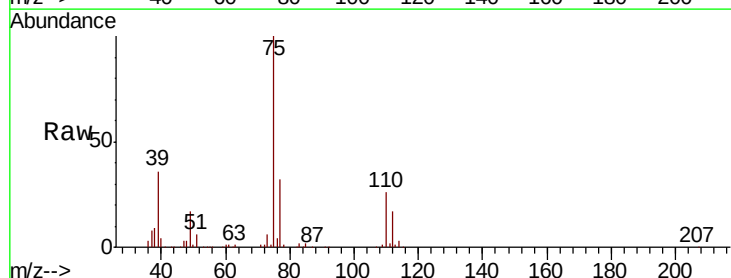
Acq: 12 Mar 2019 18:07

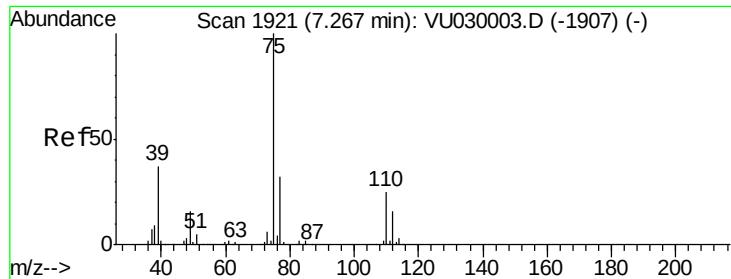
Tgt Ion: 75 Resp: 210912

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

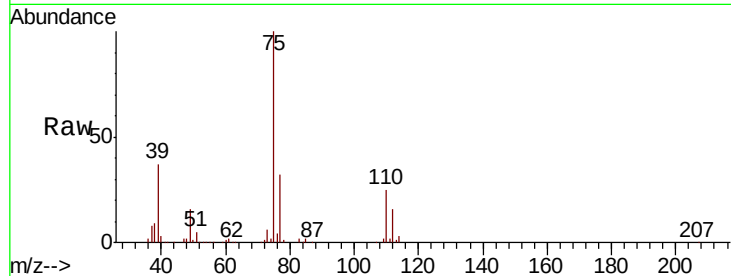




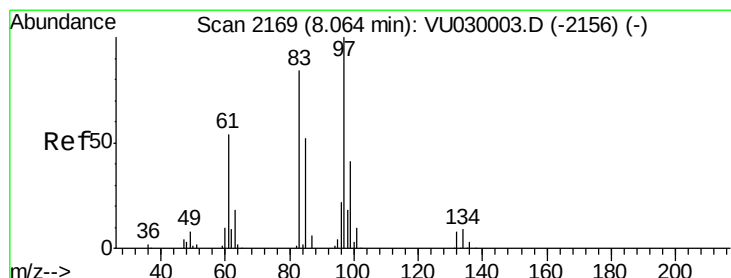
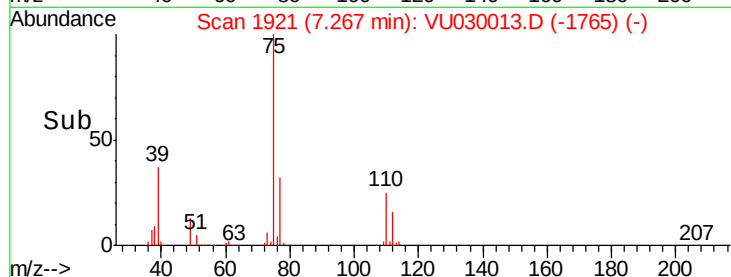
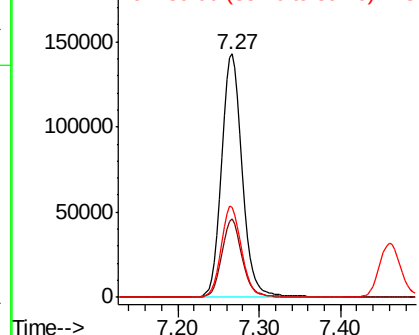
#51
 cis-1,3-Dichloropropene
 Concen: 10.446 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 257664
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0
 39 36.8 29.5 44.3

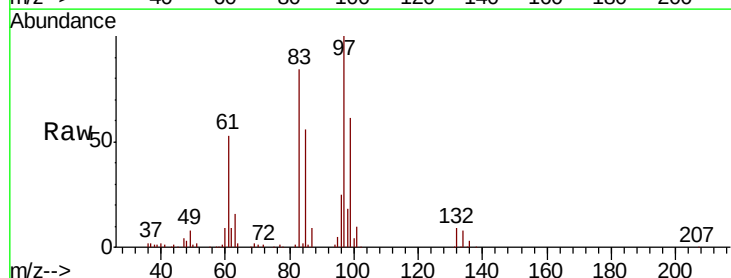


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

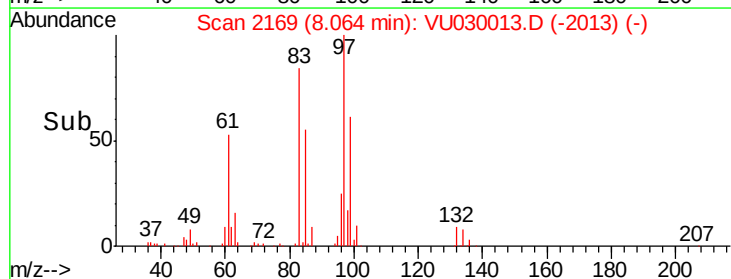
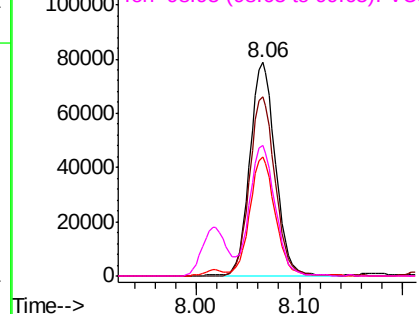


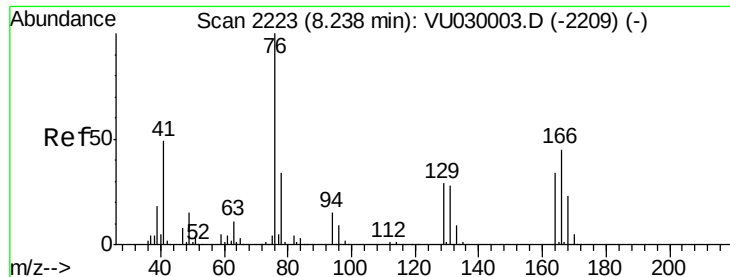
#52
 1,1,2-Trichloroethane
 Concen: 10.409 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion: 97 Resp: 135159
 Ion Ratio Lower Upper
 97 100
 83 84.2 67.4 101.0
 85 55.4 42.6 64.0
 99 61.0 48.9 73.3



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





#53

1,3-Dichloropropane

Concen: 10.196 ug/l

RT: 8.24 min Scan# 2223

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

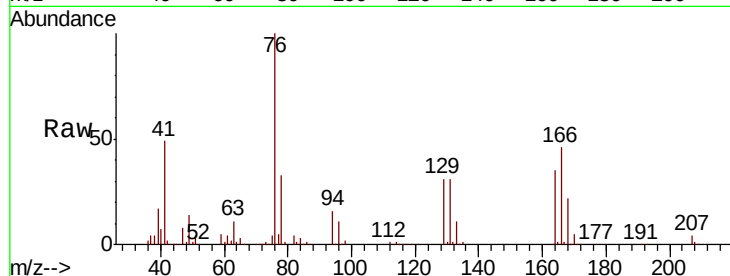
VSTDCCC010EC

Tgt Ion: 76 Resp: 221417

Ion Ratio Lower Upper

76 100

78 32.6 26.4 39.6



Abundance Ion 76.00 (75.70 to 76.70): VU030003.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030003.D (-2209) (-)

8.24

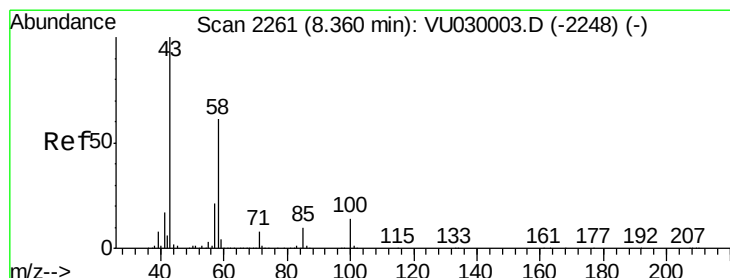
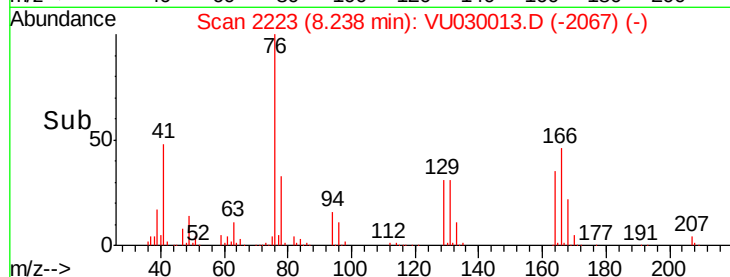
150000

100000

50000

0

Time-->



#54

2-Hexanone

Concen: 51.497 ug/l

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

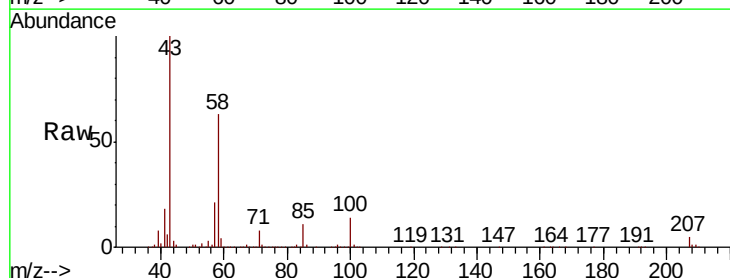
Tgt Ion: 43 Resp: 336692

Ion Ratio Lower Upper

43 100

58 61.3 40.3 80.3

57 21.1 0.6 40.6



Abundance Ion 43.00 (42.70 to 43.70): VU030003.D (-2248) (-)

Ion 58.00 (57.70 to 58.70): VU030003.D (-2248) (-)

Ion 57.00 (56.70 to 57.70): VU030003.D (-2248) (-)

8.36

250000

200000

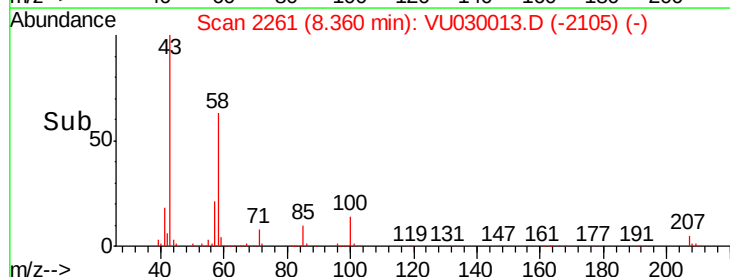
150000

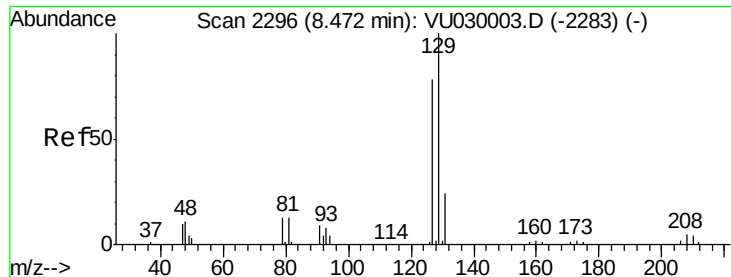
100000

50000

0

Time-->

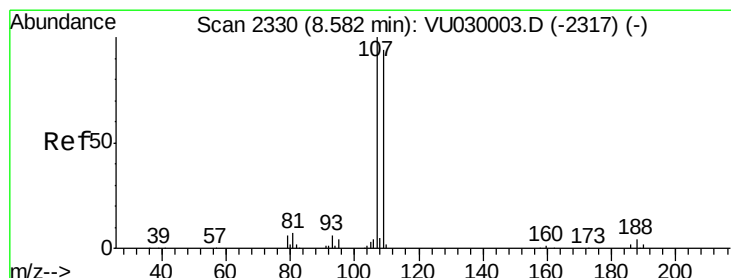
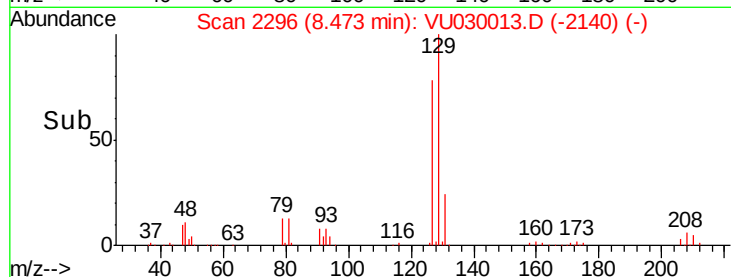
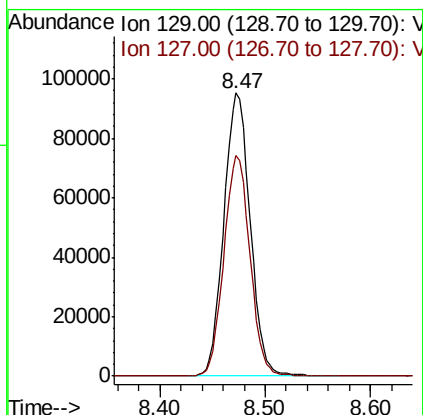
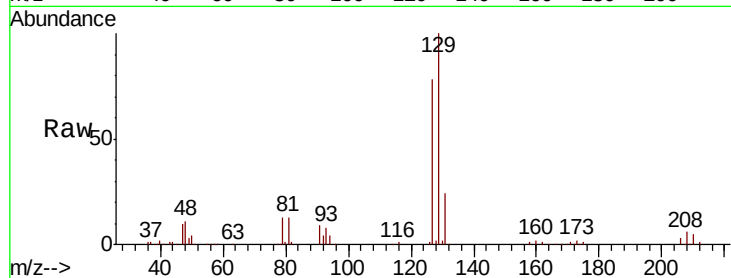




#55
 Dibromochloromethane
 Concen: 10.566 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

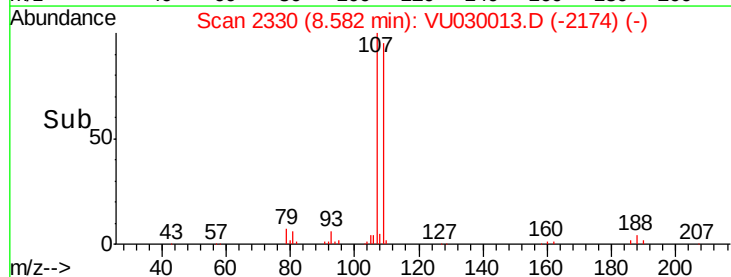
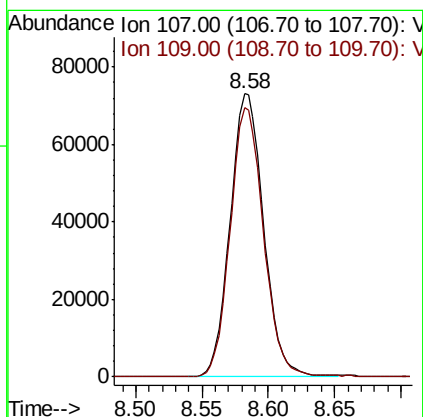
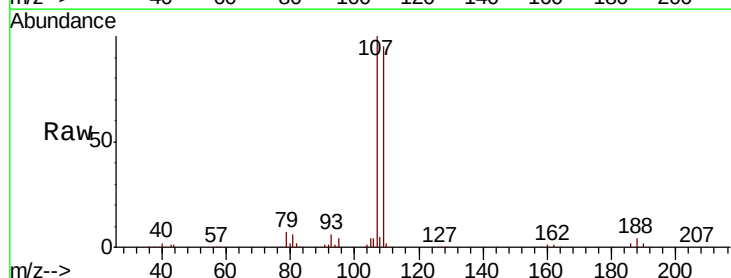
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

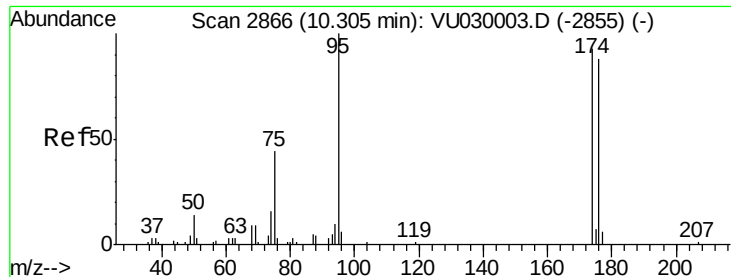
Tgt Ion:129 Resp: 165037
 Ion Ratio Lower Upper
 129 100
 127 77.0 62.4 93.6



#56
 1,2-Dibromoethane
 Concen: 10.272 ug/l
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion:107 Resp: 128357
 Ion Ratio Lower Upper
 107 100
 109 94.9 0.0 186.8

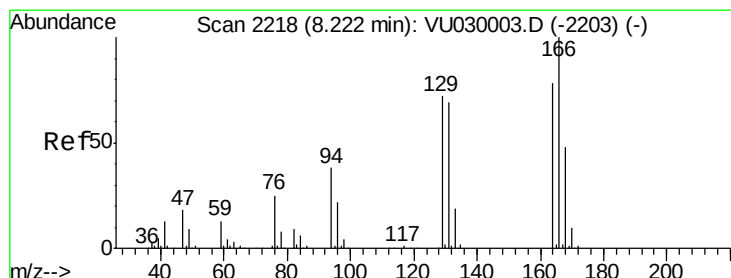
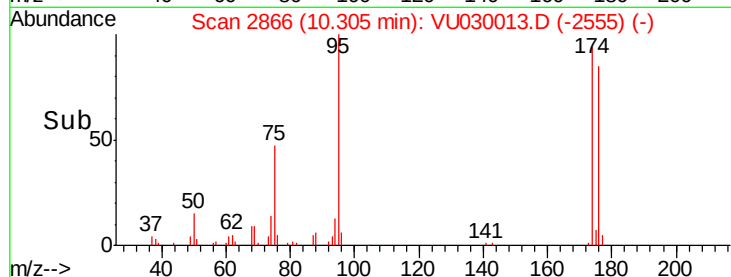
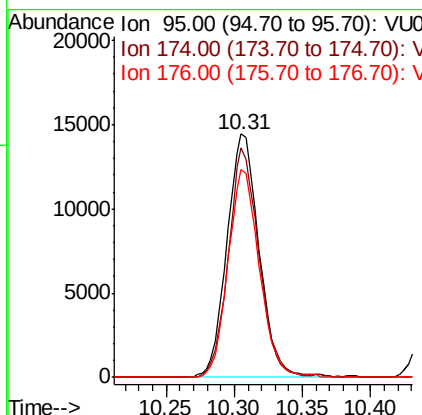
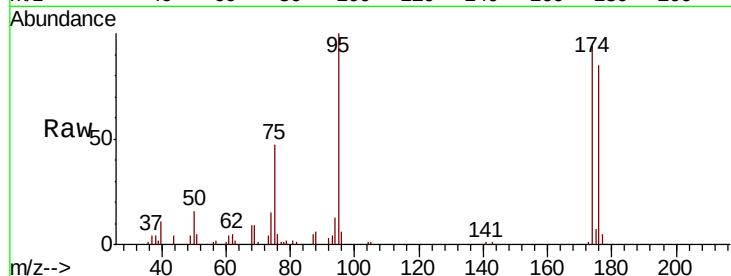




#57
4-Bromofluorobenzene
Concen: 10.272 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

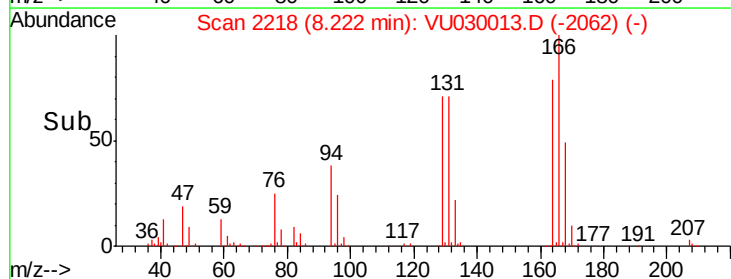
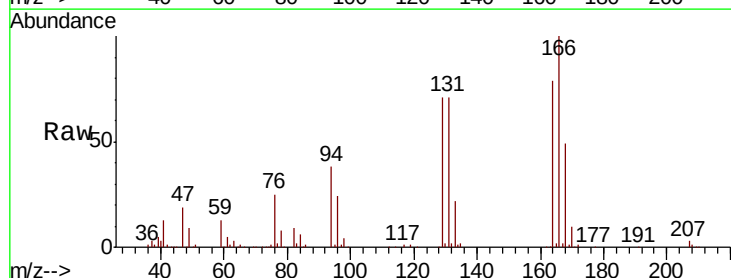
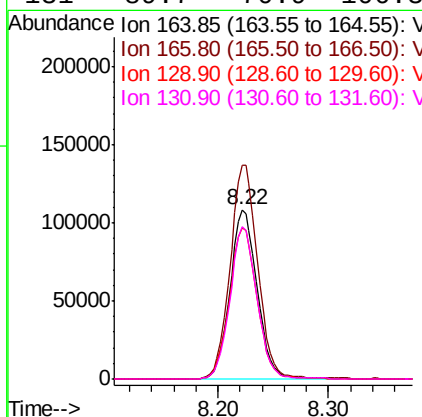
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

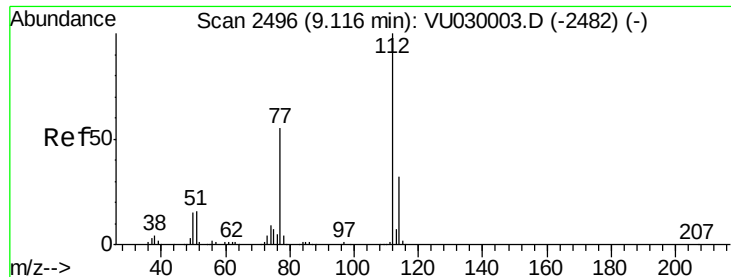
Tgt Ion: 95 Resp: 23646
Ion Ratio Lower Upper
95 100
174 89.5 78.1 117.1
176 83.2 70.8 106.2



#58
Tetrachloroethene
Concen: 10.133 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion: 164 Resp: 185094
Ion Ratio Lower Upper
164 100
166 126.3 103.2 154.8
129 89.6 74.5 111.7
131 89.7 70.9 106.3





#59

Chlorobenzene

Concen: 10.370 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

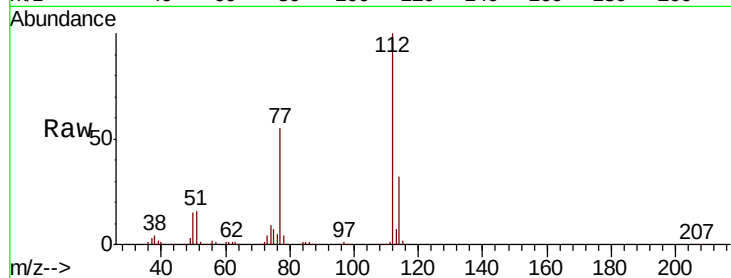
VSTDCCC010EC

Tgt Ion:112 Resp: 498614

Ion Ratio Lower Upper

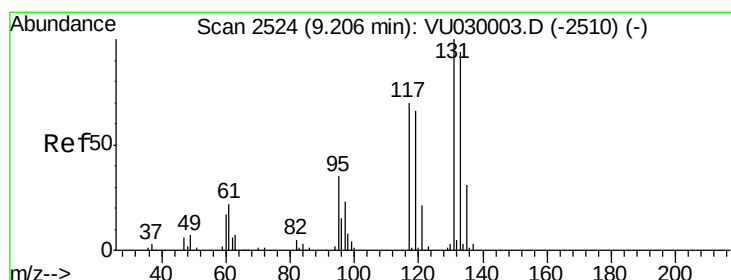
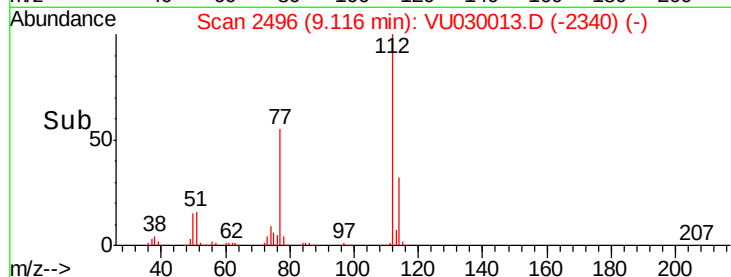
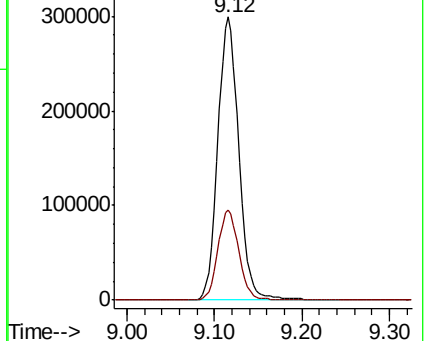
112 100

114 32.0 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 10.278 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

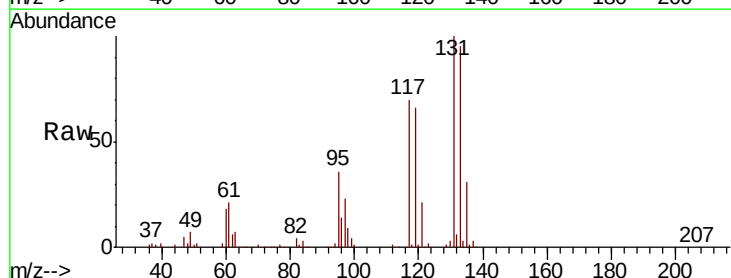
Tgt Ion:131 Resp: 174556

Ion Ratio Lower Upper

131 100

133 96.2 75.6 113.4

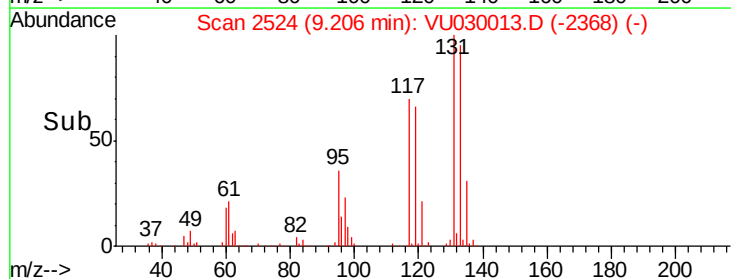
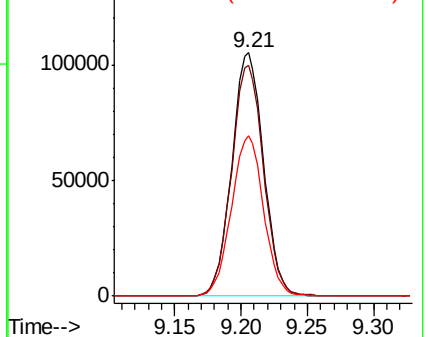
119 66.9 53.3 79.9

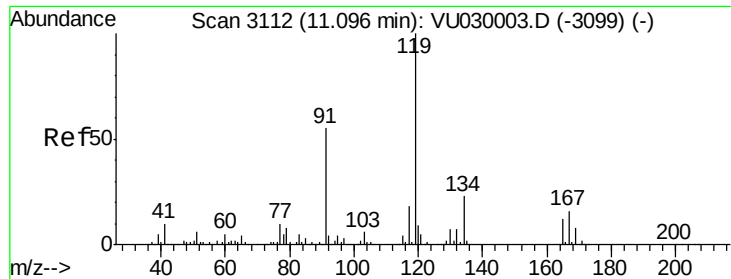


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

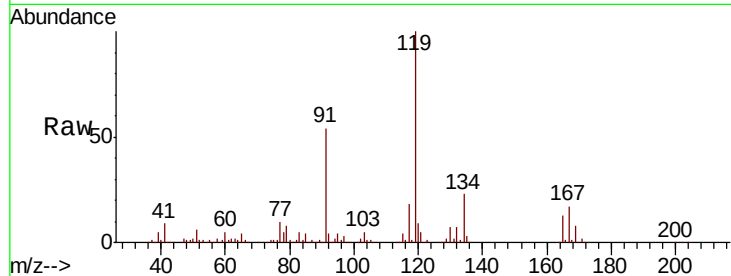




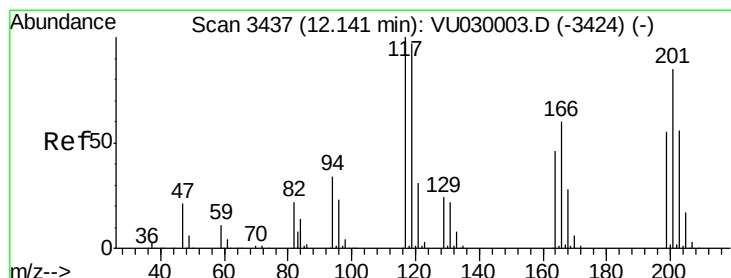
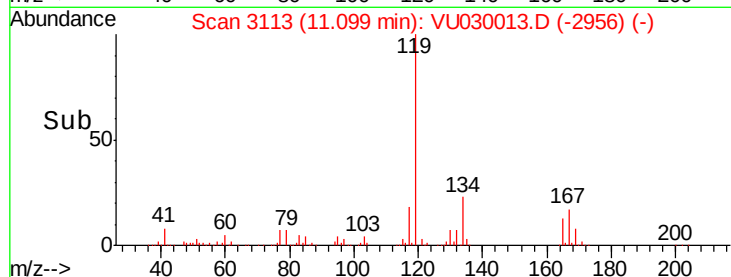
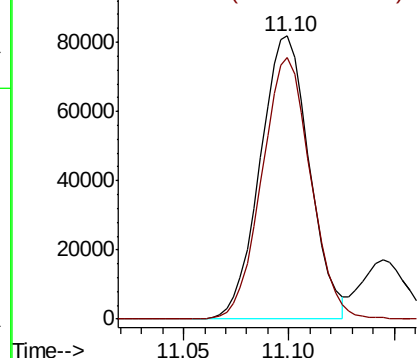
#61
 Pentachloroethane
 Concen: 10.144 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:117 Resp: 132954
 Ion Ratio Lower Upper
 117 100
 167 91.6 73.1 109.7

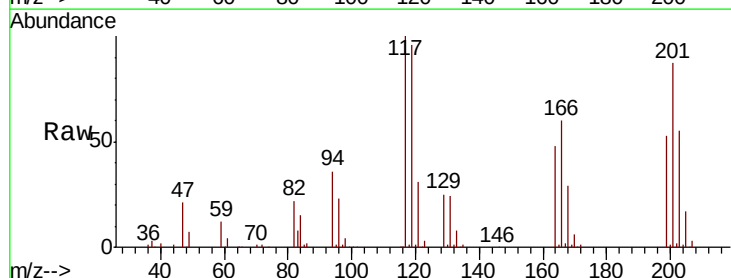


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

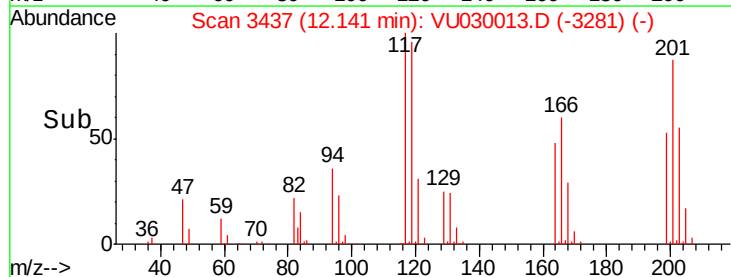
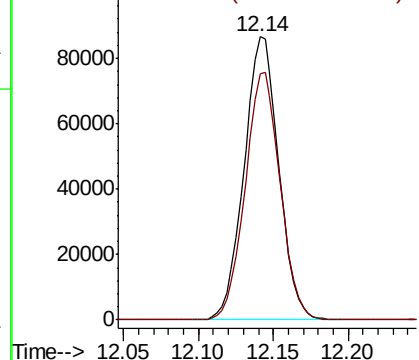


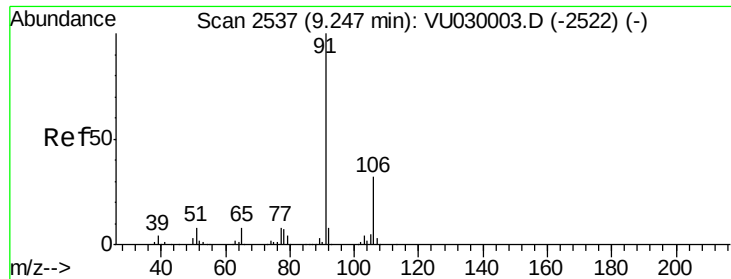
#62
 Hexachloroethane
 Concen: 10.579 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion:117 Resp: 139707
 Ion Ratio Lower Upper
 117 100
 201 88.0 69.5 104.3



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

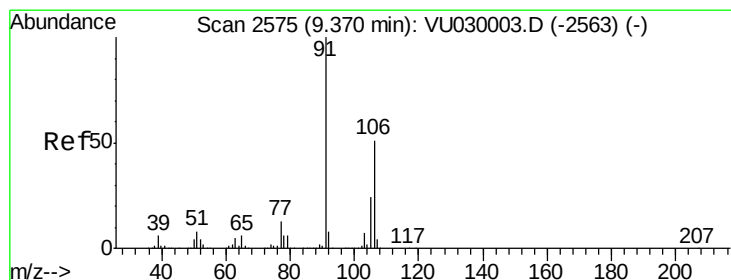
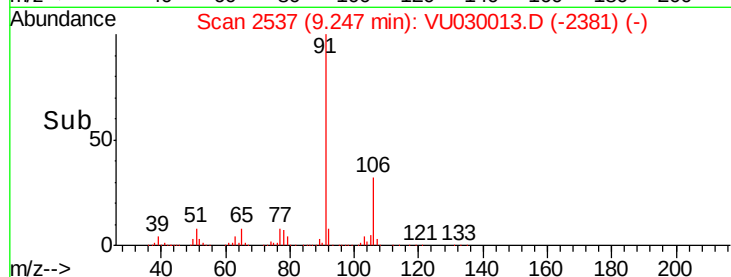
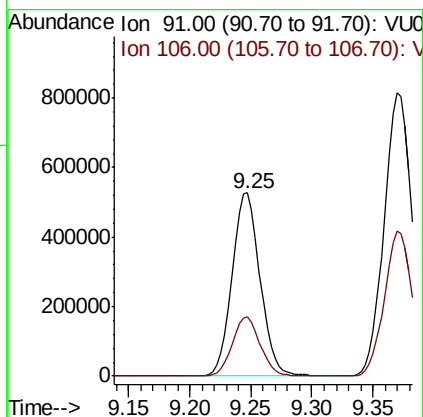
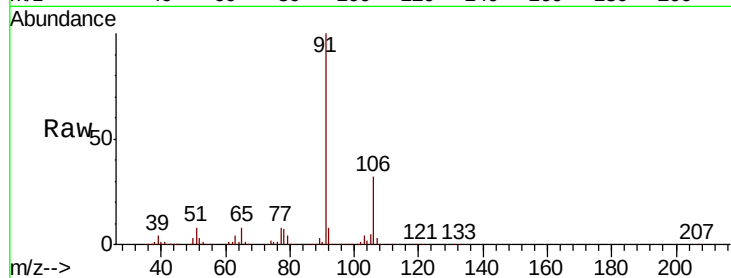




#63
Ethyl Benzene
Concen: 10.689 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

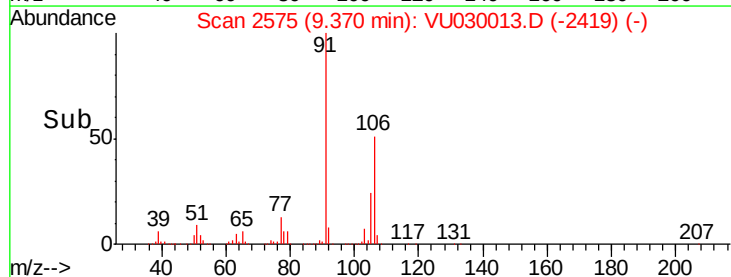
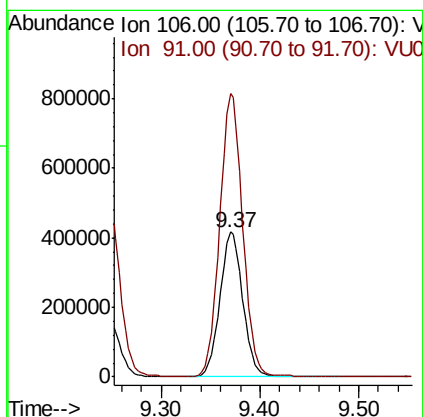
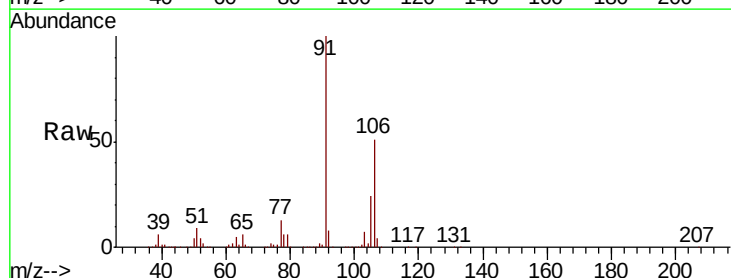
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

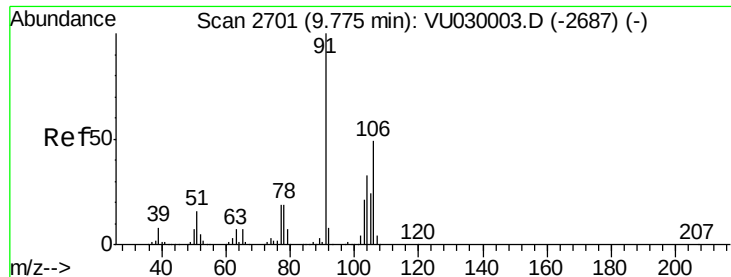
Tgt Ion: 91 Resp: 844092
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5



#64
m/p-Xylenes
Concen: 21.702 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion: 106 Resp: 674260
Ion Ratio Lower Upper
106 100
91 196.6 157.9 236.9

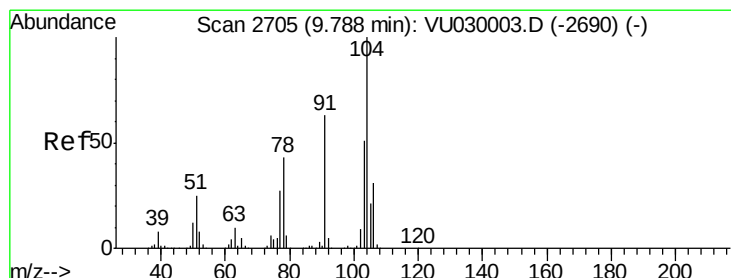
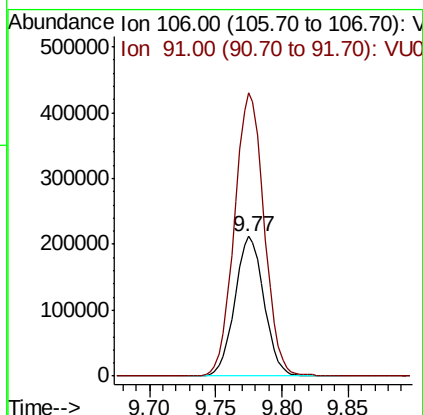
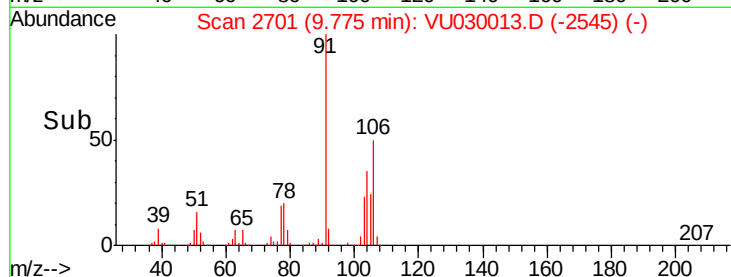
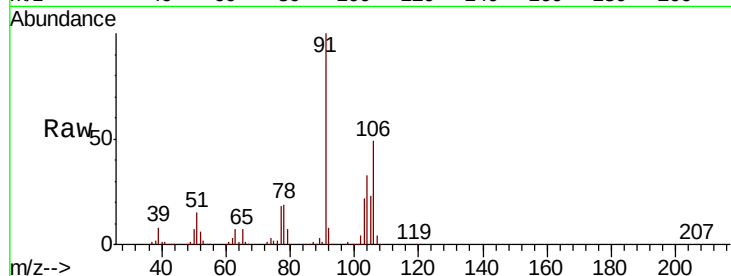




#65
o-Xylene
Concen: 10.655 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

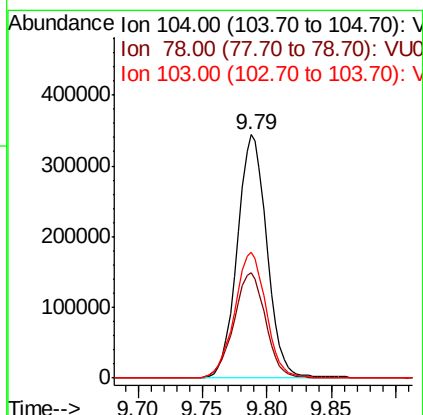
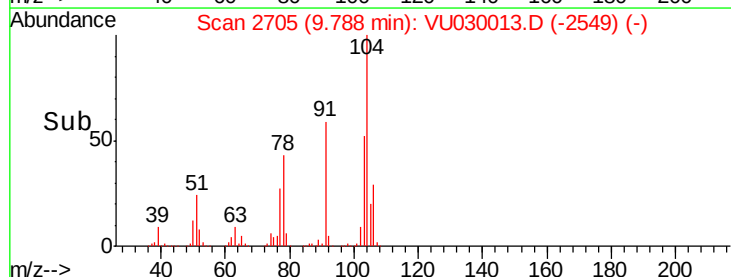
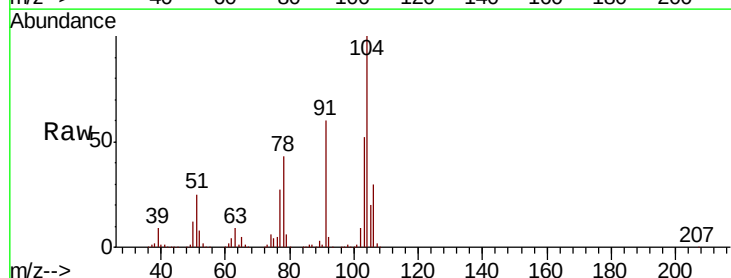
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

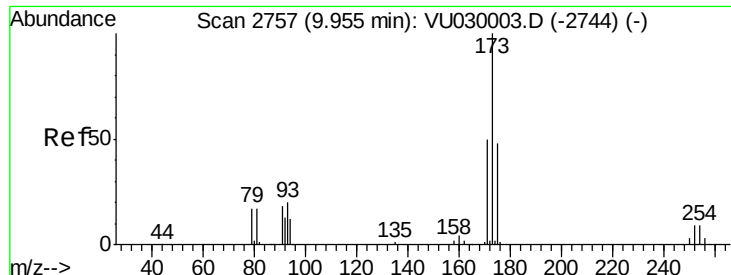
Tgt Ion:106 Resp: 324686
Ion Ratio Lower Upper
106 100
91 206.1 103.2 309.4



#66
Styrene
Concen: 11.016 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion:104 Resp: 550226
Ion Ratio Lower Upper
104 100
78 46.6 37.0 55.4
103 55.3 43.8 65.6

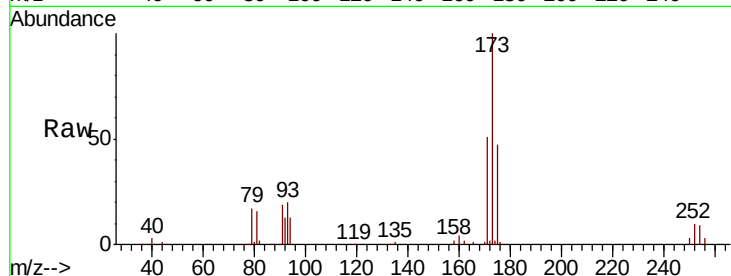




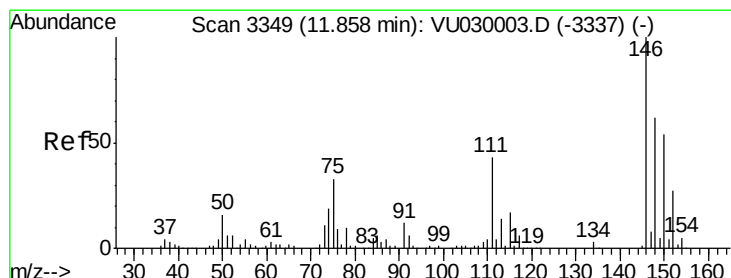
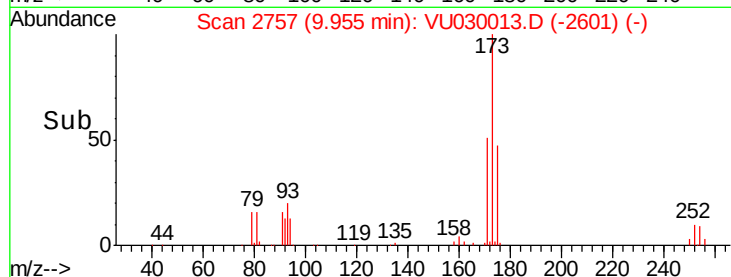
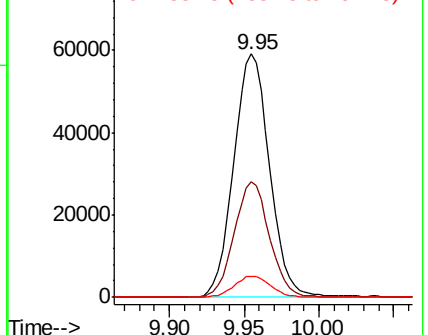
#67
Bromoform
Concen: 11.047 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 98629
Ion Ratio Lower Upper
173 100
175 46.7 39.0 58.4
254 9.0 7.0 10.4

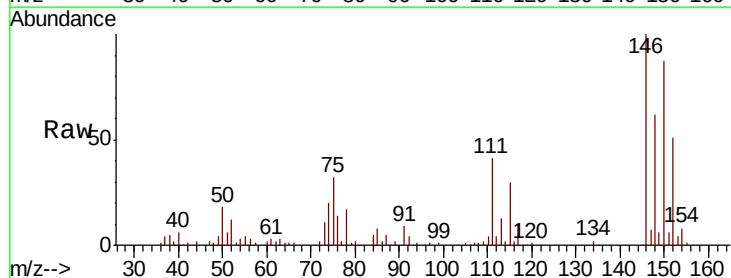


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

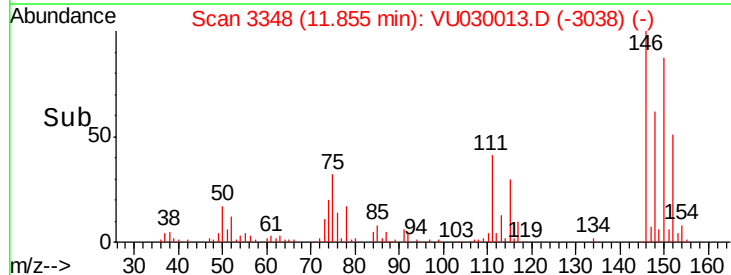
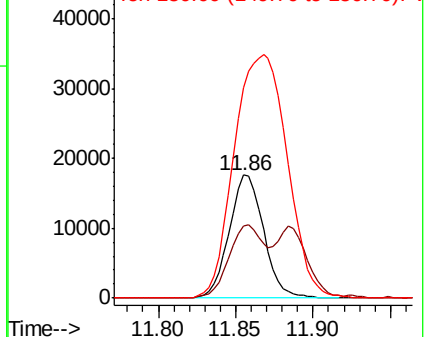


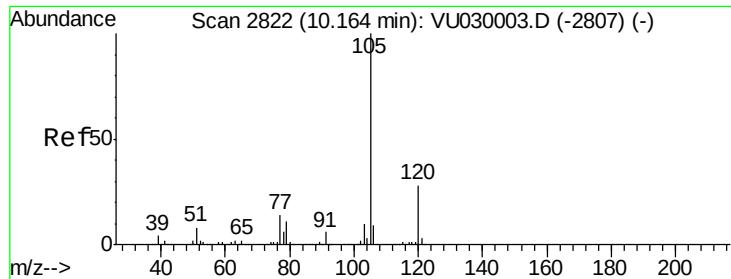
#68
1,2-Dichlorobenzene-d4
Concen: 11.047 ug/l
RT: 11.86 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion:152 Resp: 27225
Ion Ratio Lower Upper
152 100
115 60.2 0.0 126.8
150 304.4 0.0 634.2



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





#69

Isopropylbenzene

Concen: 10.713 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

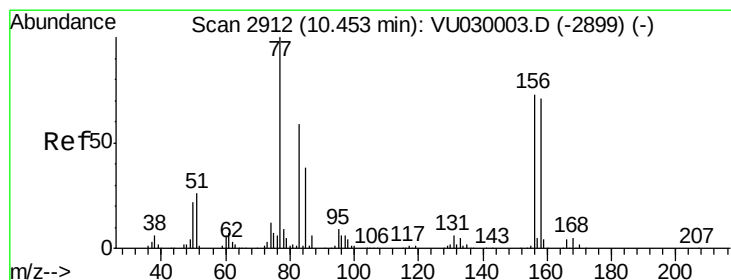
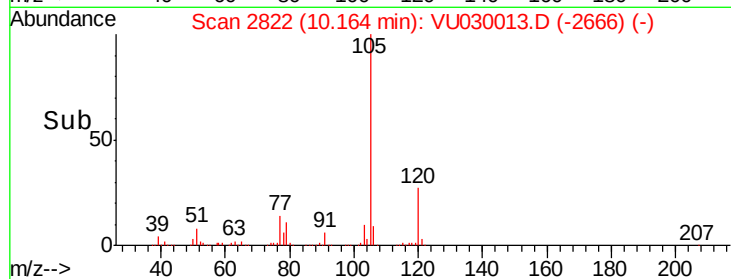
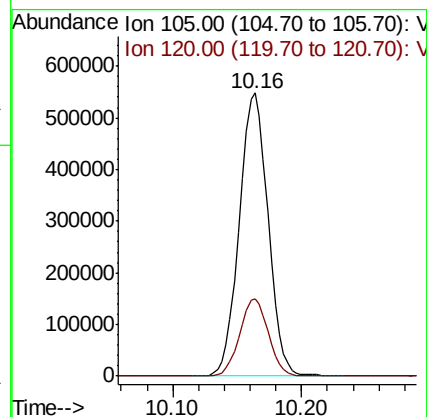
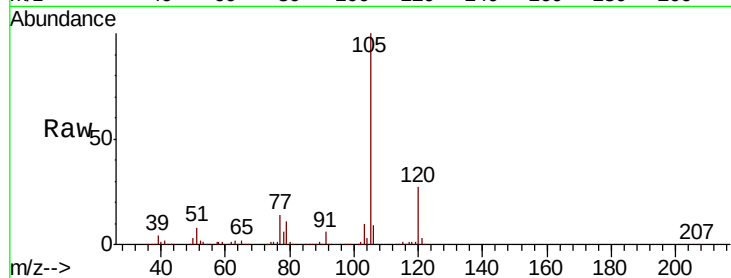
VSTDCCC010EC

Tgt Ion:105 Resp: 851150

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 10.375 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

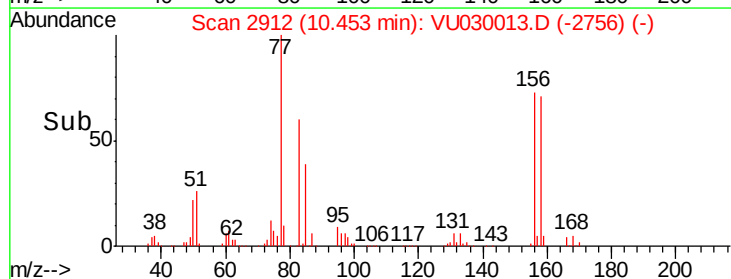
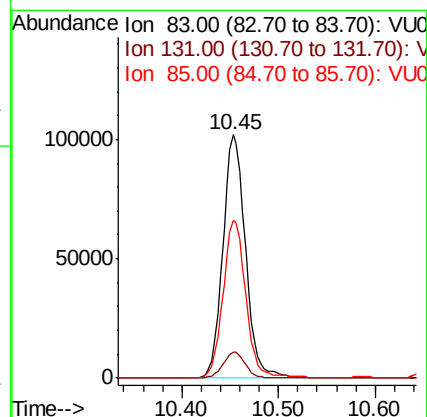
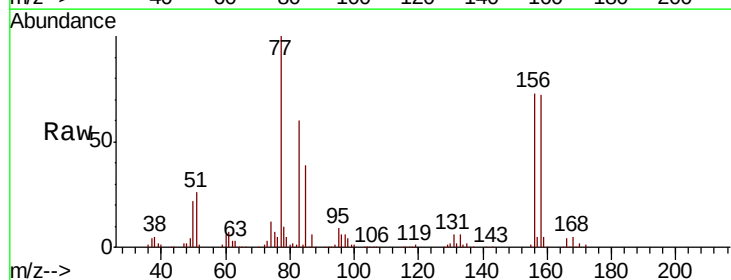
Tgt Ion: 83 Resp: 166035

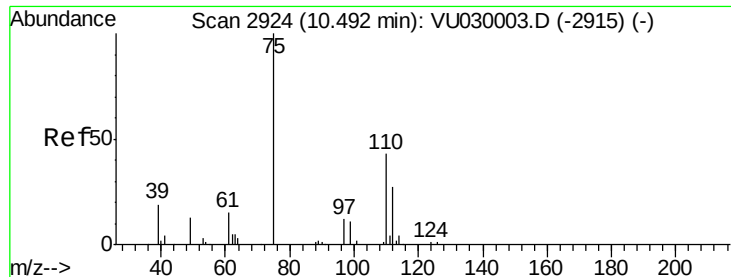
Ion Ratio Lower Upper

83 100

131 10.4 8.4 12.6

85 65.2 52.6 78.8





#71

1,2,3-Trichloropropane

Concen: 8.148 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 98028

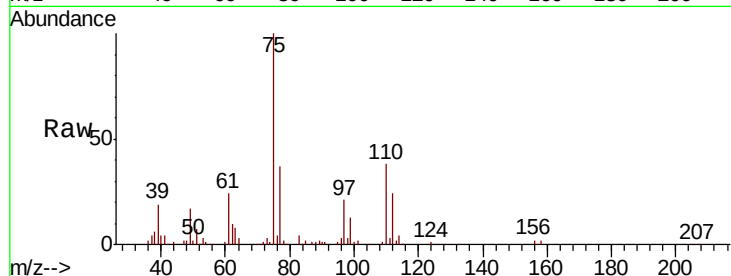
Ion Ratio Lower Upper

75 100

77 9.5 0.0 16.8

110 44.8 0.0 76.8

97 23.8 0.0 40.8

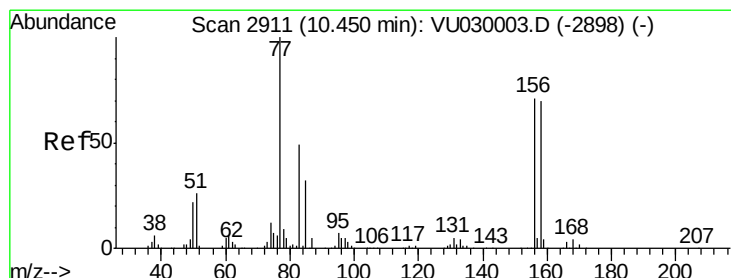
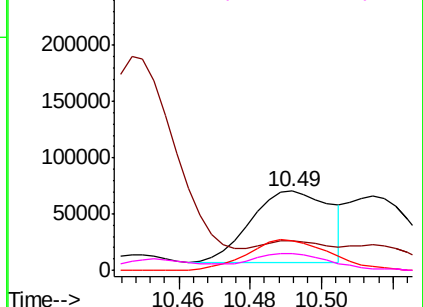
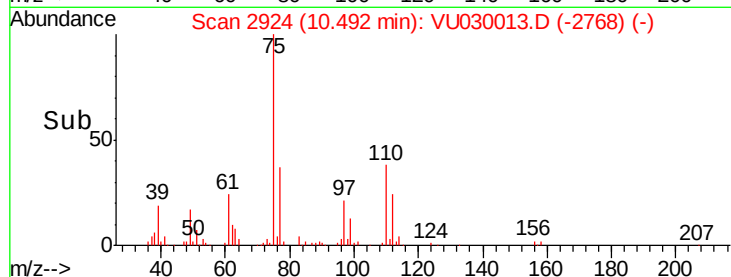


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 10.443 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

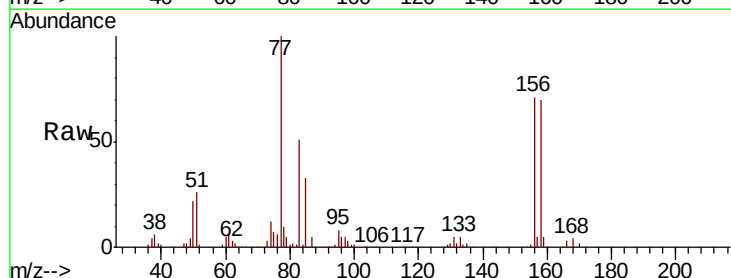
Tgt Ion: 156 Resp: 217613

Ion Ratio Lower Upper

156 100

77 139.4 0.0 278.6

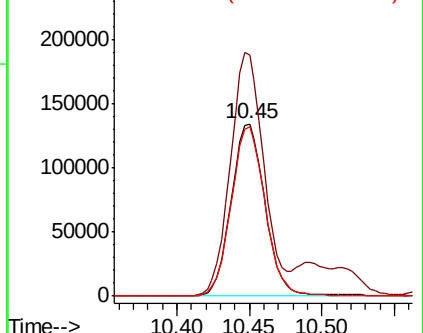
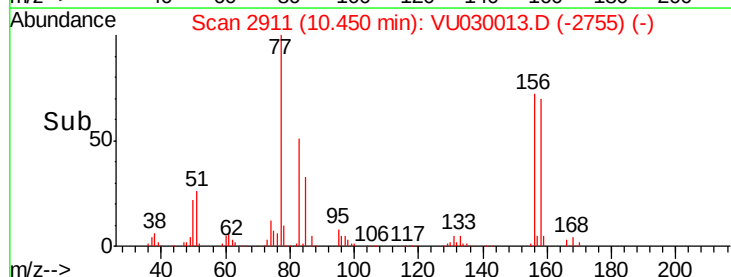
158 98.7 0.0 195.2

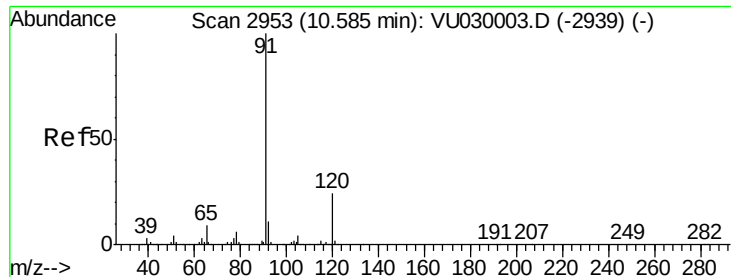


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 10.913 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

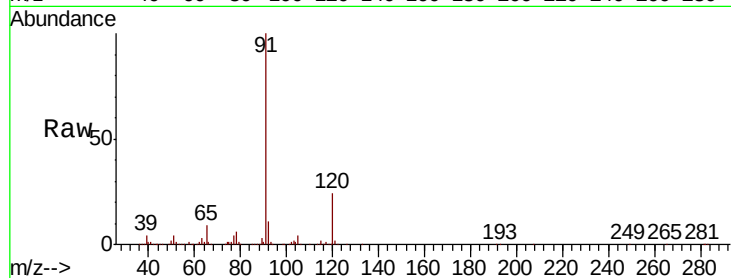
VSTDCCC010EC

Tgt Ion:120 Resp: 245984

Ion Ratio Lower Upper

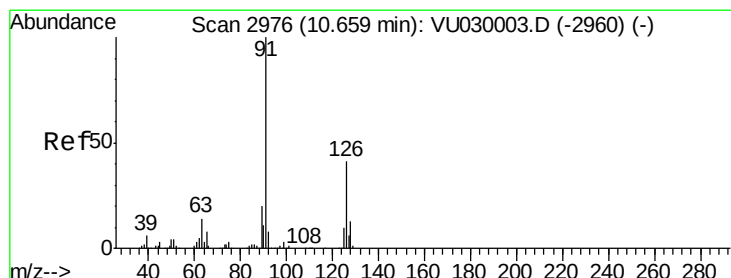
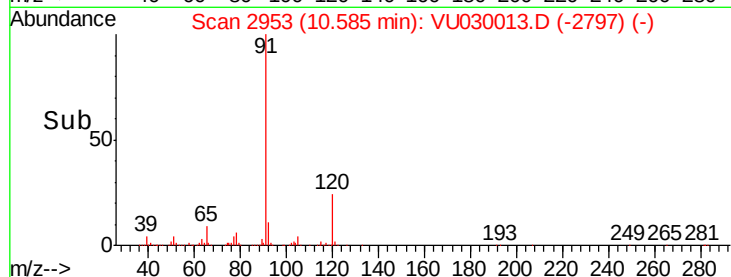
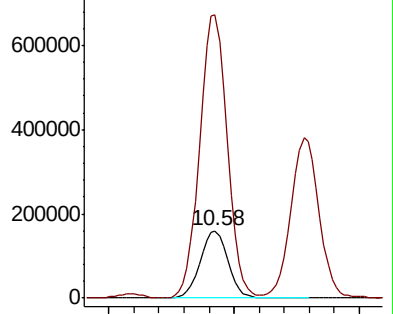
120 100

91 416.0 335.4 503.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.520 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU030013.D

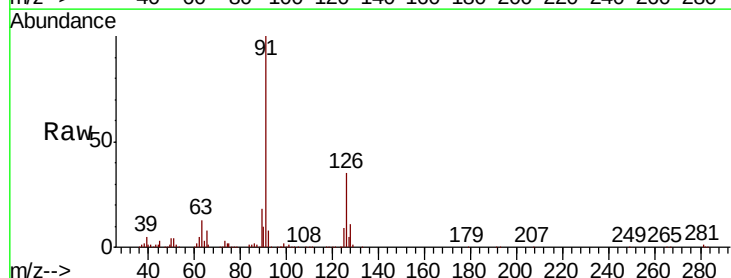
Acq: 12 Mar 2019 18:07

Tgt Ion:126 Resp: 207652

Ion Ratio Lower Upper

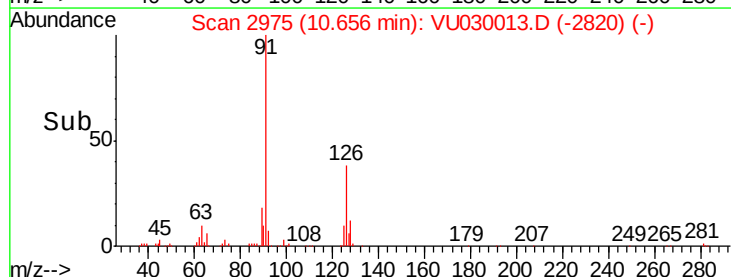
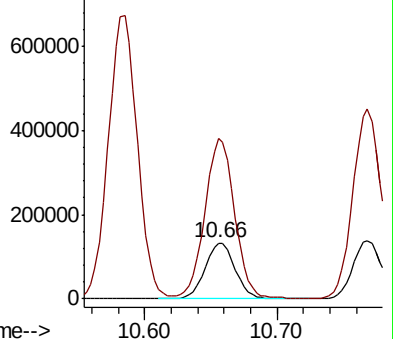
126 100

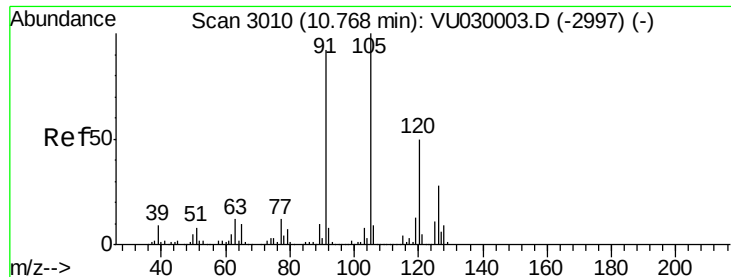
91 282.2 0.0 561.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 10.796 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

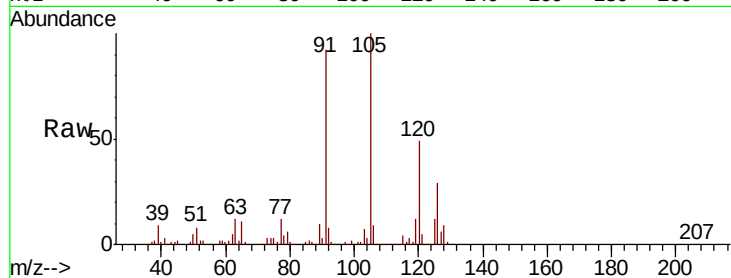
VSTDCCC010EC

Tgt Ion:105 Resp: 730793

Ion Ratio Lower Upper

105 100

120 49.9 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

500000

400000

300000

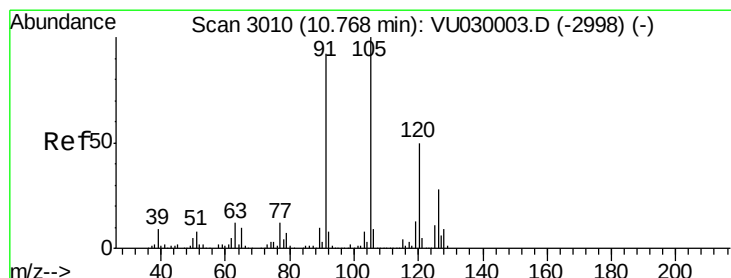
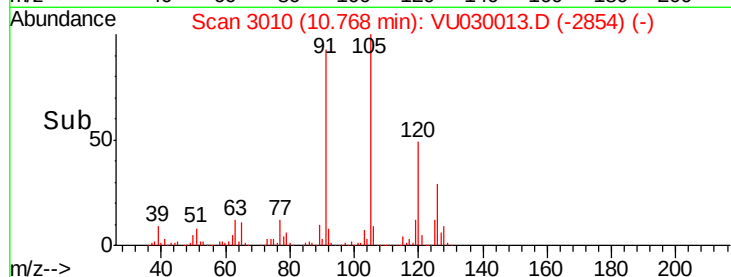
200000

100000

0

Time-->

10.70 10.75 10.80 10.85



#76

4-Chlorotoluene

Concen: 10.464 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030013.D

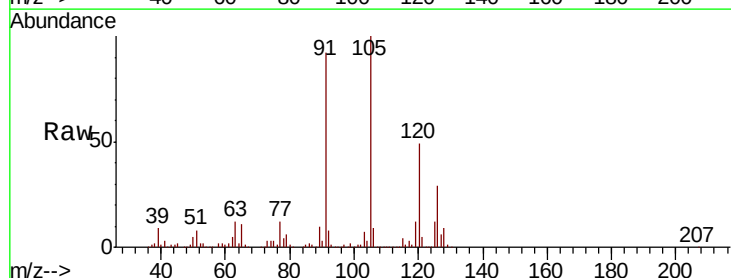
Acq: 12 Mar 2019 18:07

Tgt Ion:126 Resp: 210834

Ion Ratio Lower Upper

126 100

91 327.7 0.0 641.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

500000

400000

300000

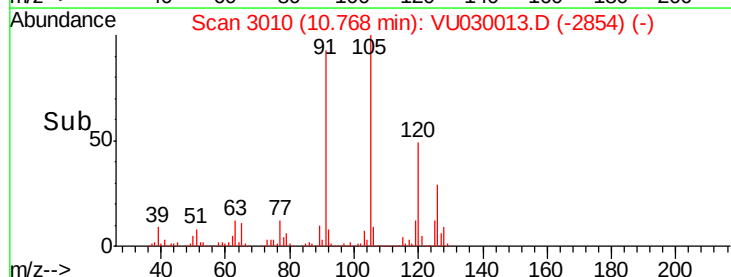
200000

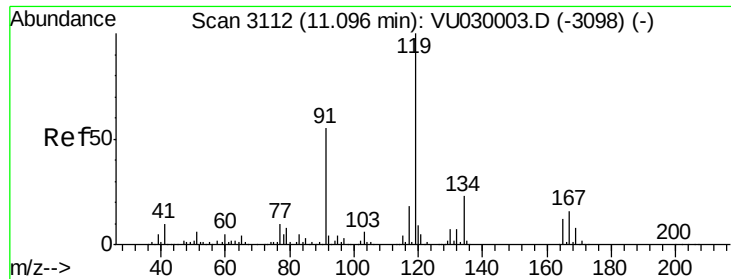
100000

0

Time-->

10.70 10.75 10.80 10.85

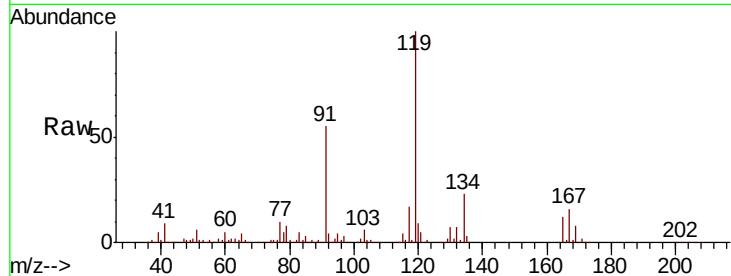




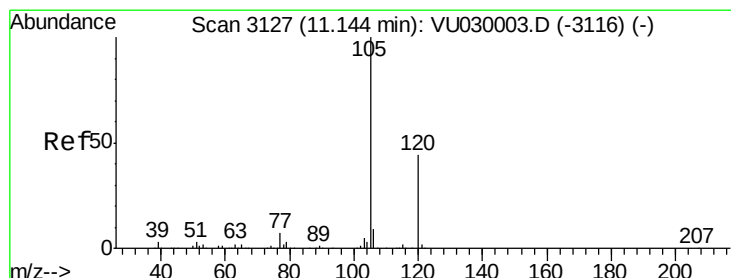
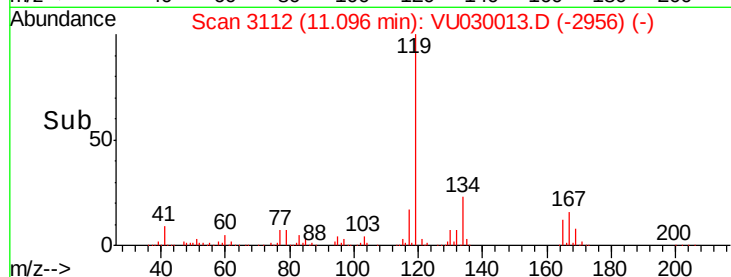
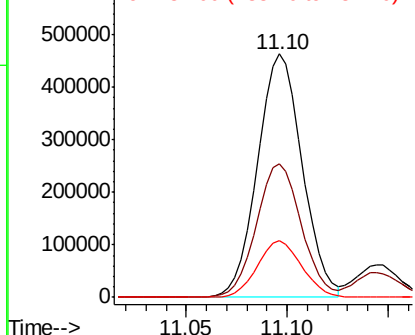
#77
 tert-Butylbenzene
 Concen: 10.788 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:119 Resp: 714778
 Ion Ratio Lower Upper
 119 100
 91 55.3 27.6 82.8
 134 23.4 18.7 28.1

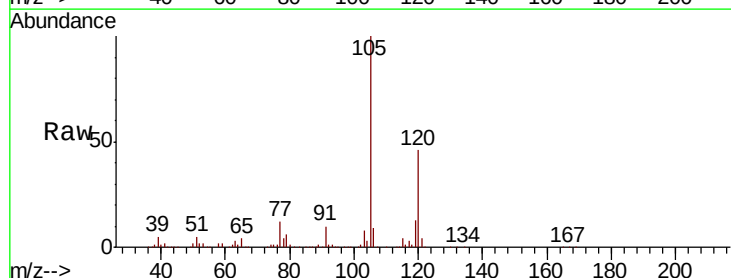


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

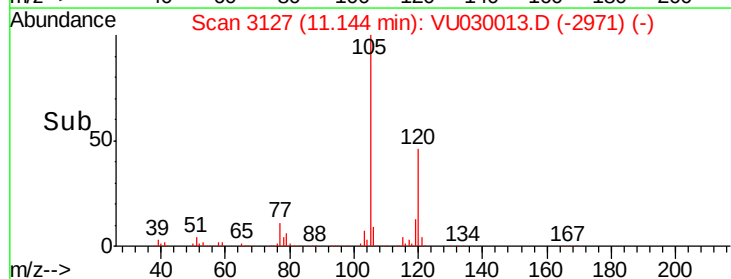
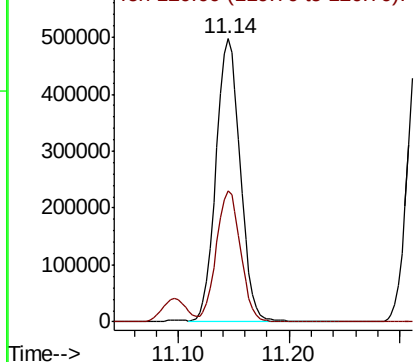


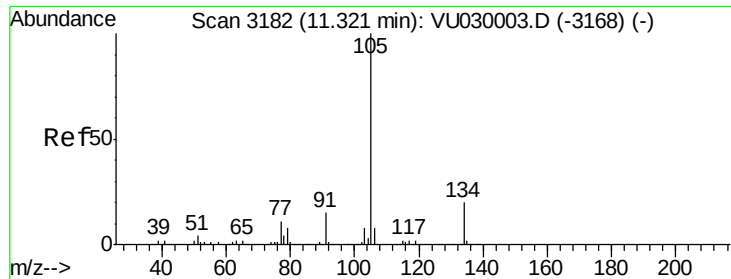
#78
 1,2,4-Trimethylbenzene
 Concen: 10.999 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion:105 Resp: 757167
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.5 70.6



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





#79

sec-Butylbenzene

Concen: 10.811 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

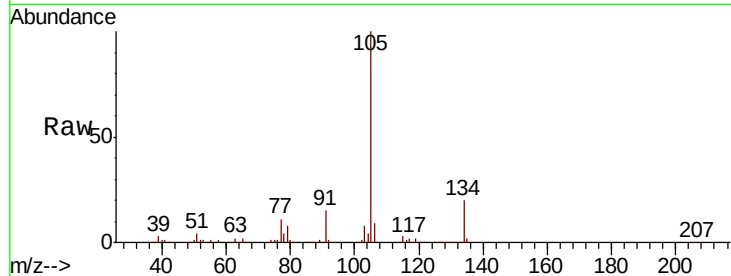
VSTDCCC010EC

Tgt Ion:105 Resp: 959536

Ion Ratio Lower Upper

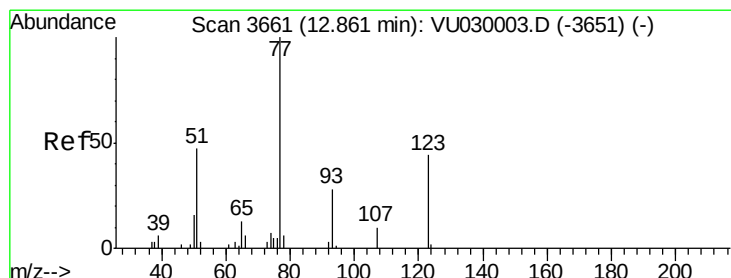
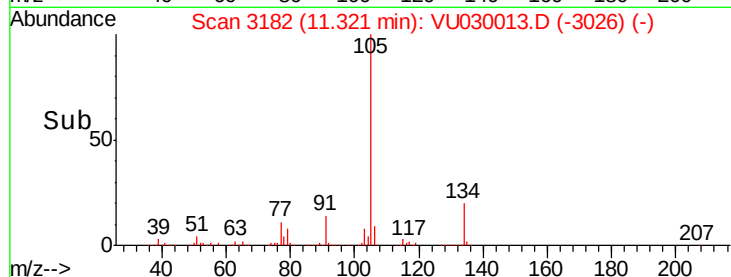
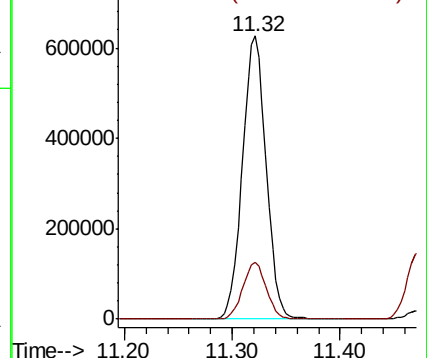
105 100

134 20.0 16.1 24.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 53.039 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

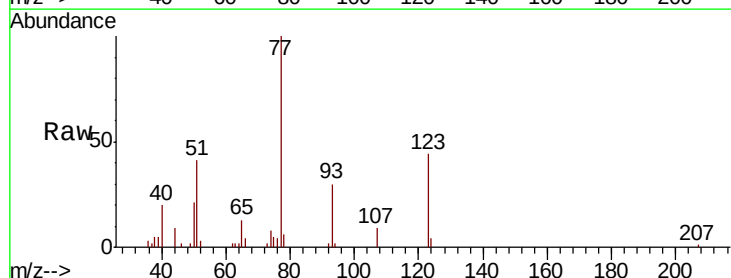
Tgt Ion: 77 Resp: 15162

Ion Ratio Lower Upper

77 100

123 44.7 19.9 70.5

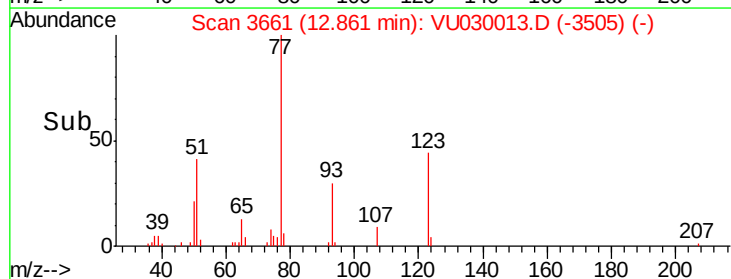
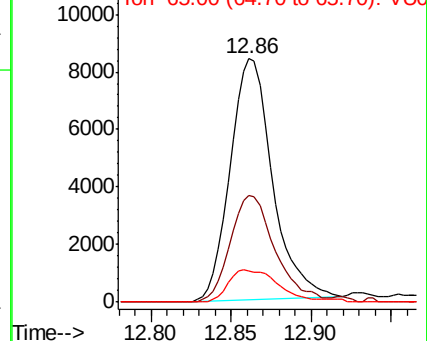
65 13.9 10.8 13.8#

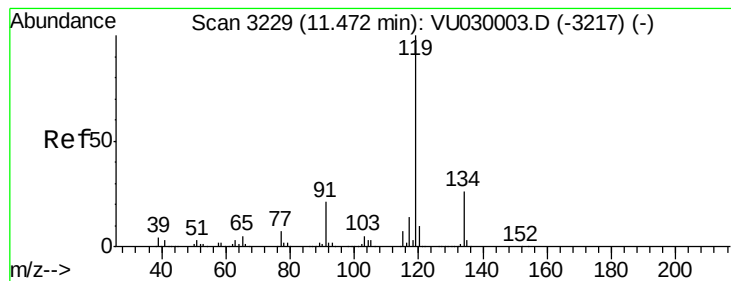


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 10.873 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

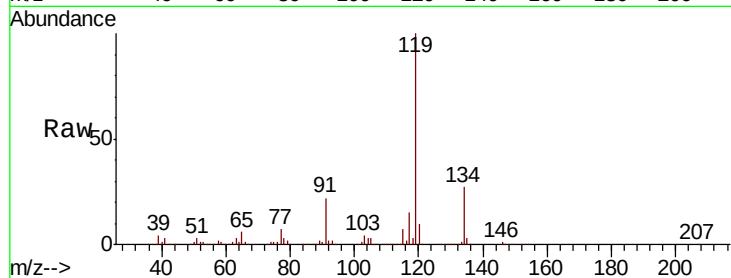
Tgt Ion:119 Resp: 809528

Ion Ratio Lower Upper

119 100

134 26.8 21.2 31.8

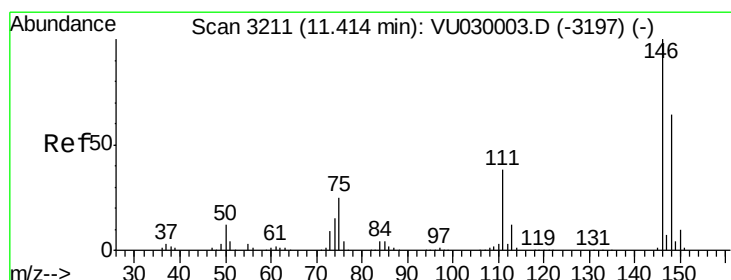
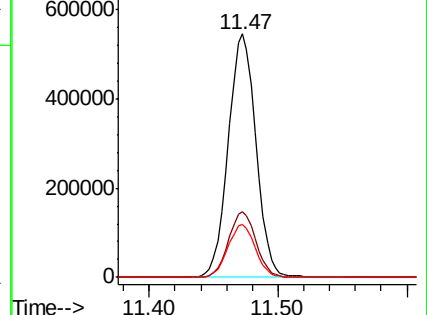
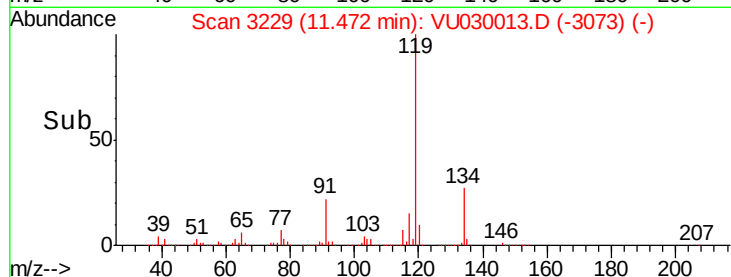
91 21.7 17.0 25.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU



#82

1,3-Dichlorobenzene

Concen: 10.245 ug/l

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

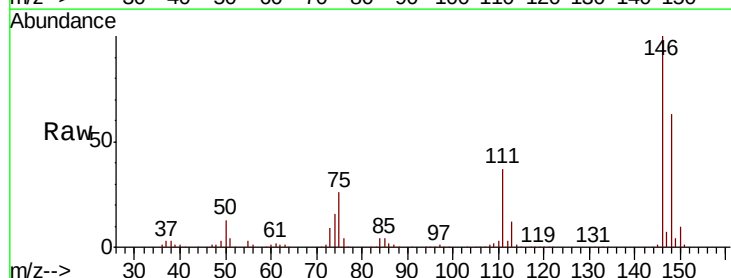
Tgt Ion:146 Resp: 431111

Ion Ratio Lower Upper

146 100

111 38.2 30.3 45.5

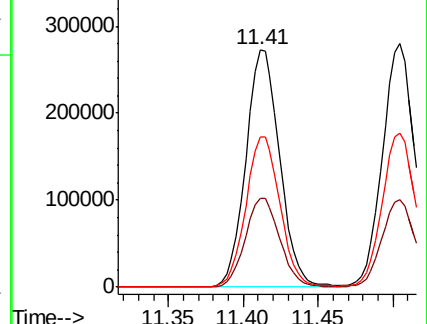
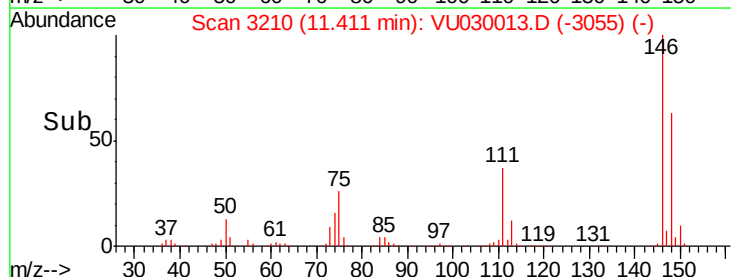
148 63.7 51.1 76.7

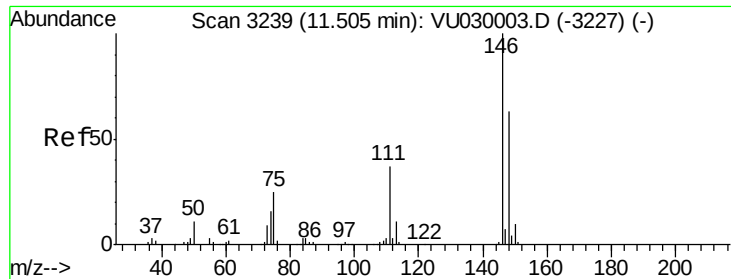


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

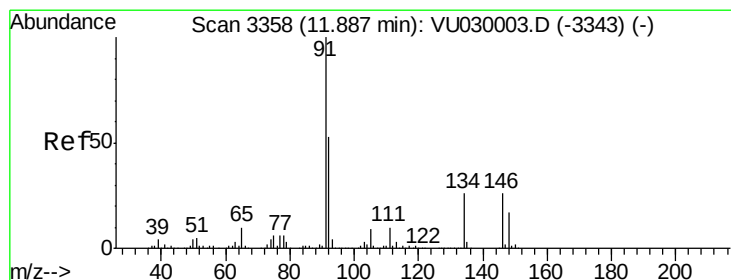
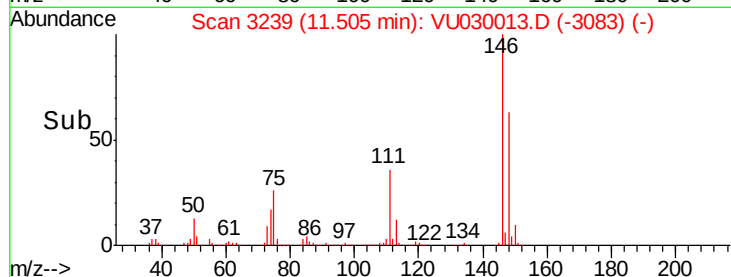
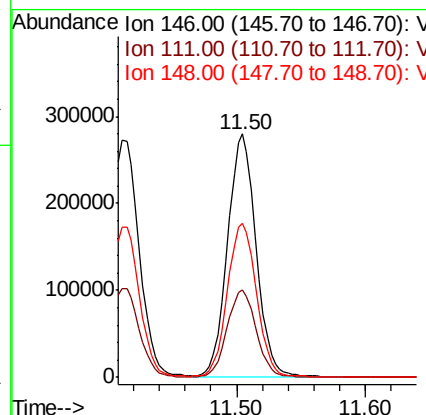
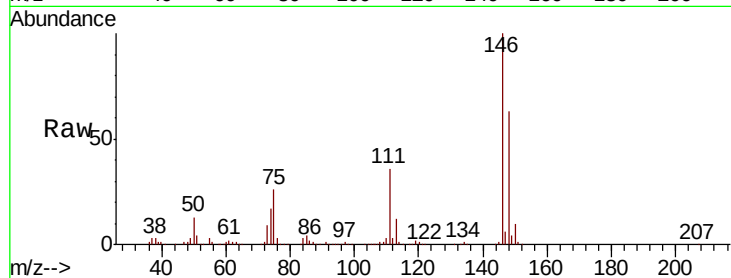




#83
 1,4-Dichlorobenzene
 Concen: 10.159 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

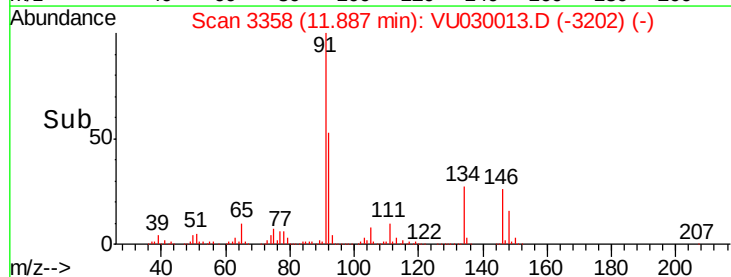
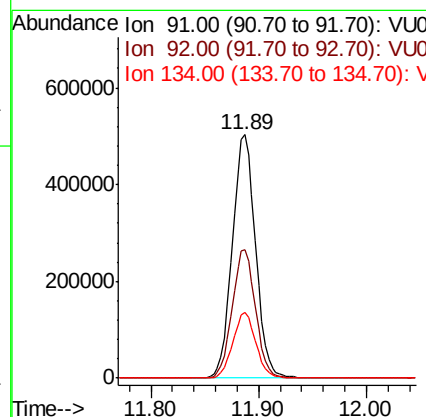
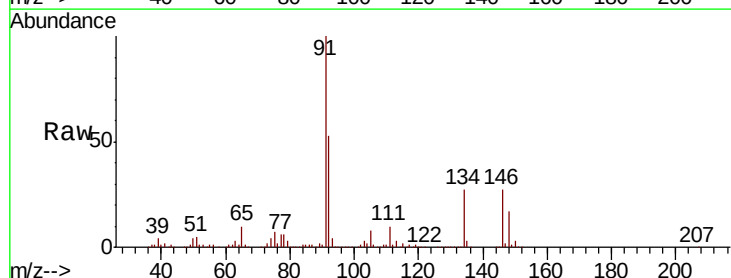
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

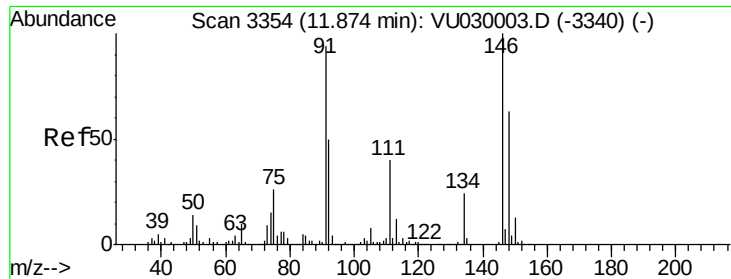
Tgt Ion:146 Resp: 429759
 Ion Ratio Lower Upper
 146 100
 111 36.7 29.3 43.9
 148 64.6 50.6 76.0



#84
 n-Butylbenzene
 Concen: 10.876 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion: 91 Resp: 756308
 Ion Ratio Lower Upper
 91 100
 92 52.9 42.4 63.6
 134 26.7 21.4 32.0

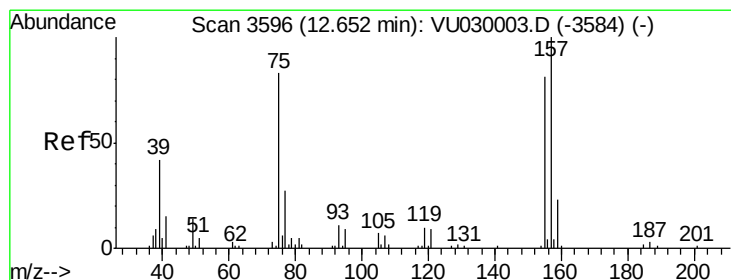
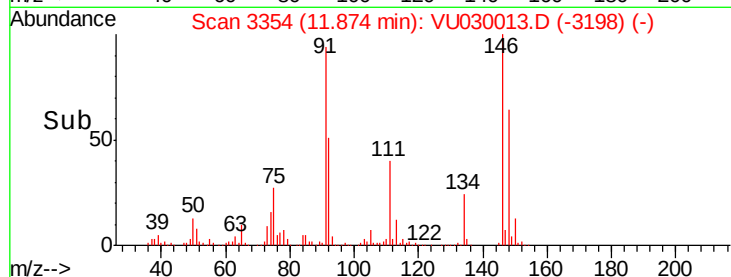
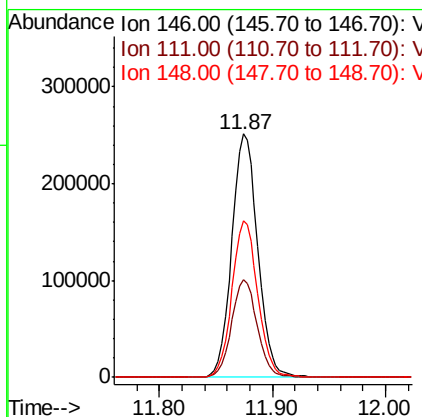
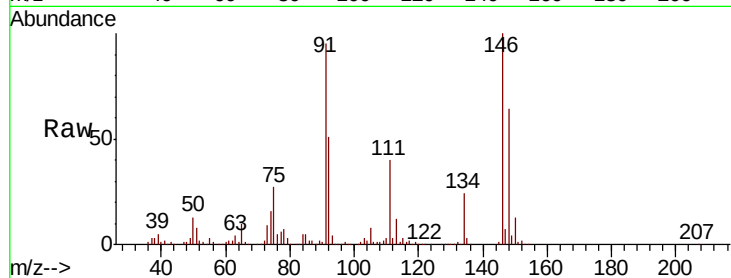




#85
 1,2-Dichlorobenzene
 Concen: 10.232 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

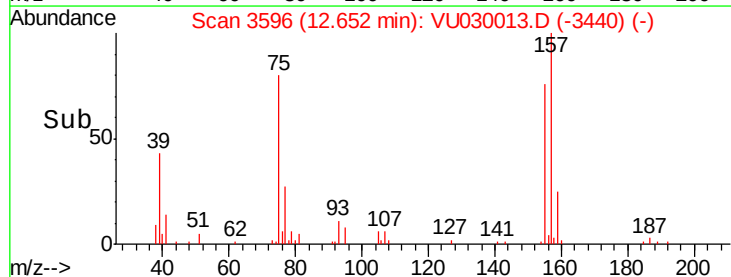
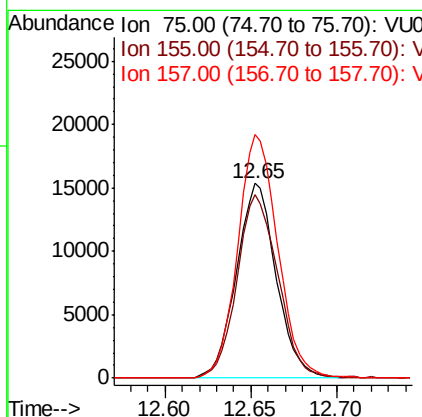
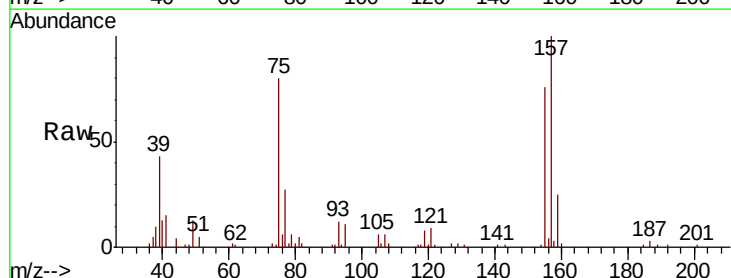
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

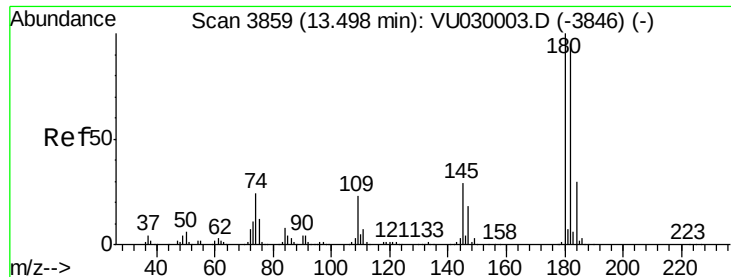
Tgt Ion: 146 Resp: 400744
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.9 59.7
 148 63.9 31.7 95.1



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.711 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030013.D
 Acq: 12 Mar 2019 18:07

Tgt Ion: 75 Resp: 24692
 Ion Ratio Lower Upper
 75 100
 155 96.6 78.2 117.4
 157 126.0 97.2 145.8

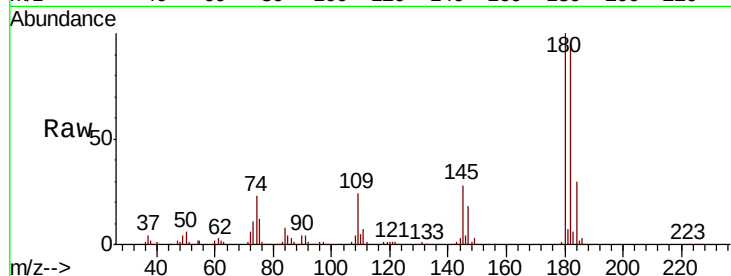




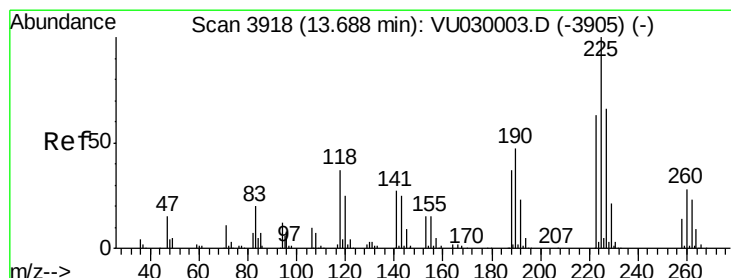
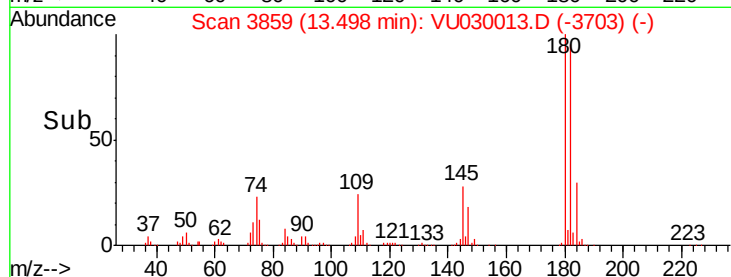
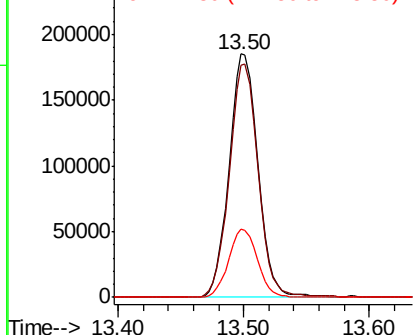
#87
1,2,4-Trichlorobenzene
Concen: 10.449 ug/l
RT: 13.50 min Scan# 3859
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 295356
Ion Ratio Lower Upper
180 100
182 96.0 76.2 114.2
145 28.4 23.0 34.6

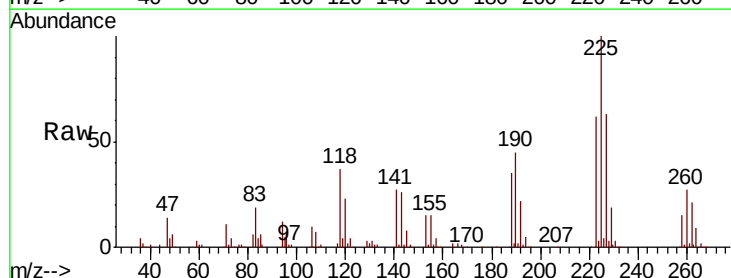


Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

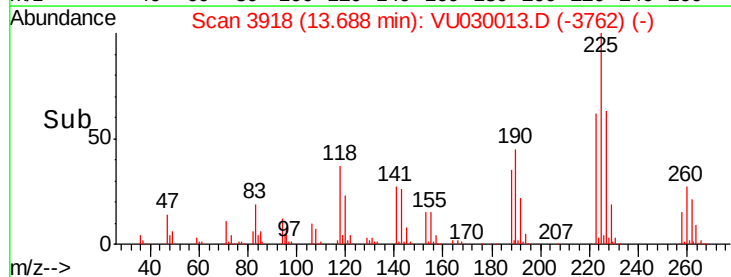
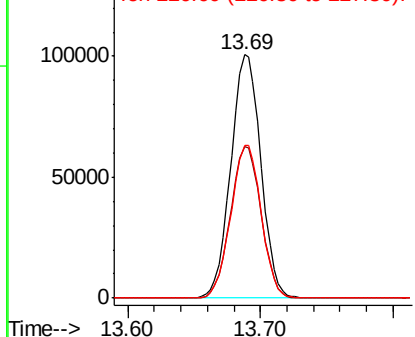


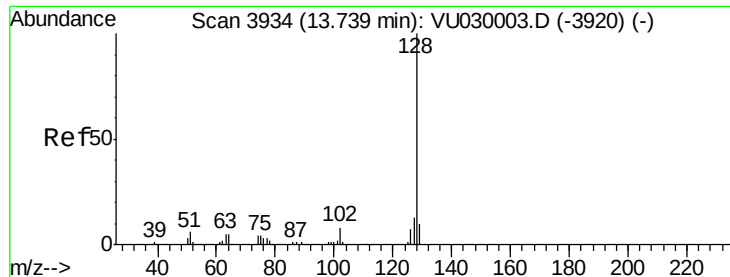
#88
Hexachlorobutadiene
Concen: 10.333 ug/l
RT: 13.69 min Scan# 3918
Delta R.T. 0.00 min
Lab File: VU030013.D
Acq: 12 Mar 2019 18:07

Tgt Ion:225 Resp: 158304
Ion Ratio Lower Upper
225 100
223 63.5 50.7 76.1
227 63.4 52.6 78.8



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: 11.503 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

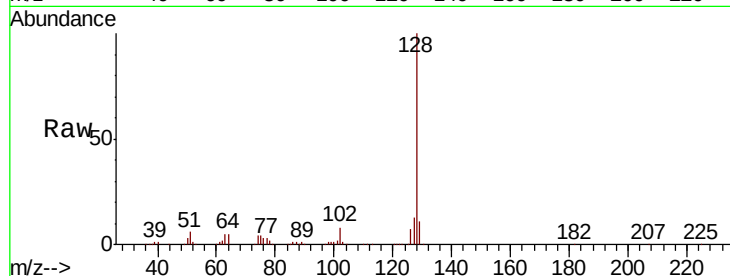
Tgt Ion:128 Resp: 509513

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

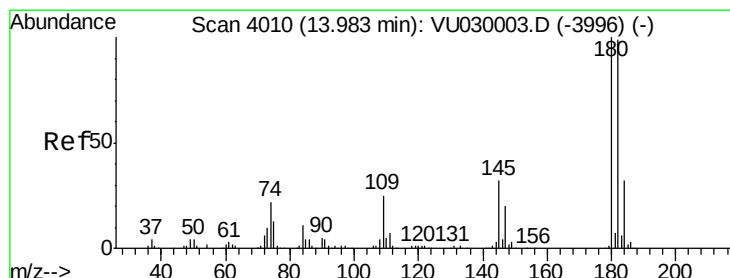
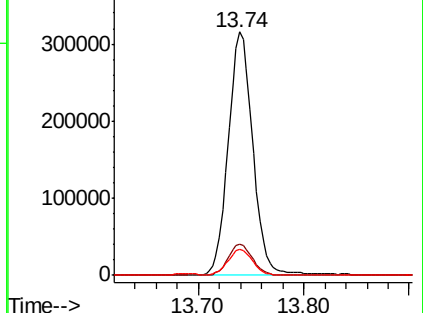
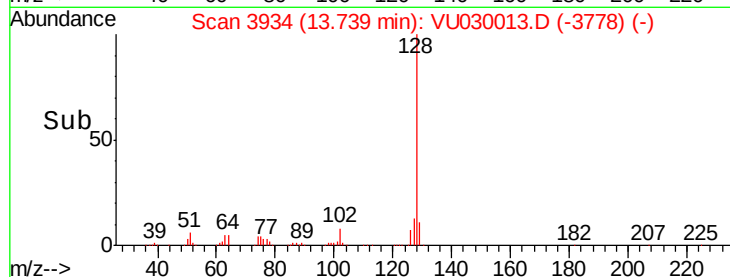
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 10.560 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030013.D

Acq: 12 Mar 2019 18:07

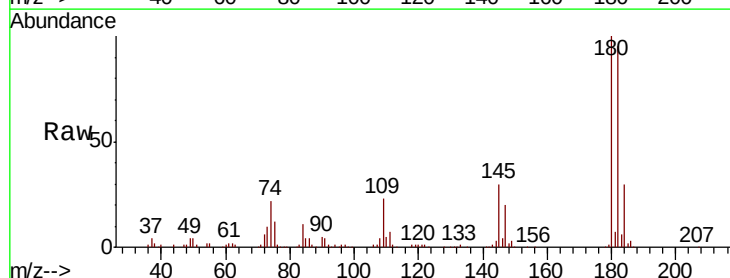
Tgt Ion:180 Resp: 270434

Ion Ratio Lower Upper

180 100

182 96.2 77.6 116.4

145 30.7 24.7 37.1



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

