

Data File : VU030001.D
Acq On : 12 Mar 2019 10:54
Operator : JC/SP
Sample : VSTDIC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Quant Time: Mar 13 04:05:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Mar 13 04:00:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	61234	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	21806	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25237	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	43516	1.938 ug/l	100
3) Chloromethane	1.33	50	49205	1.931 ug/l	98
4) Vinyl Chloride	1.40	62	41425	1.897 ug/l	97
5) Bromomethane	1.63	94	24735	1.982 ug/l	98
6) Chloroethane	1.70	64	23783	1.887 ug/l	99
7) Trichlorofluoromethane	1.88	101	54582	1.927 ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	30278	1.965 ug/l	99
9) 1,1-Dichloroethene	2.28	96	28647	1.875 ug/l	95
10) Iodomethane	2.41	142	18623	1.407 ug/l	96
11) Allyl Chloride	2.59	41	40970	1.896 ug/l	98
12) Acrylonitrile	2.94	53	12770	3.859 ug/l	95
13) Acetone	2.32	43	26654	9.252 ug/l	95
14) Carbon Disulfide	2.48	76	98787	1.856 ug/l	98
15) Methylene Chloride	2.70	84	33360	1.834 ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	34426	1.951 ug/l	99
17) 1,1-Dichloroethane	3.44	63	57276	1.920 ug/l	99
18) 2-Butanone	4.28	43	39339	9.863 ug/l	99
19) Cyclohexane	4.99	56	41963	1.648 ug/l	87
20) Methylcyclohexane	6.41	83	54439	1.930 ug/l	97
21) 2,2-Dichloropropane	4.22	77	47277	1.885 ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	37522	1.913 ug/l	99
23) Diethyl Ether	2.10	59	22148	1.940 ug/l	97
24) tert-Butyl Alcohol	2.83	59	23458	19.201 ug/l #	84
25) Methyl tert-Butyl Ether	3.00	73	72833	1.888 ug/l	99
26) Bromochloromethane	4.54	128	16862	1.965 ug/l	98
27) Chloroform	4.67	83	57765	1.841 ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	49025	1.899 ug/l	98
29) 1,1-Dichloropropene	5.13	75	42479	1.807 ug/l	97
30) Carbon Tetrachloride	5.13	117	43635	1.890 ug/l	97
31) Isopropyl Ether	3.58	45	77411	1.844 ug/l	97
32) Ethyl-t-butyl ether	4.07	59	74890	1.852 ug/l	100
33) Tert-Amyl methyl ether	5.58	73	69575	1.879 ug/l	99
34) Propionitrile	4.34	54	9911	8.759 ug/l #	95
35) Benzene	5.39	78	131289	1.909 ug/l	99
36) 1,2-Dichloroethane	5.40	62	34067	1.853 ug/l	99
37) Trichloroethene	6.18	130	37887	1.913 ug/l	94
38) 1,2-Dichloropropane	6.43	63	33331	1.906 ug/l	97
39) Methacrylonitrile	4.55	41	8798	1.815 ug/l #	91
40) Methyl acrylate	4.43	55	14731	1.923 ug/l #	96
41) Tetrahydrofuran	4.65	42	9686	3.612 ug/l	93
42) 1-Chlorobutane	5.06	56	57710	1.874 ug/l	98

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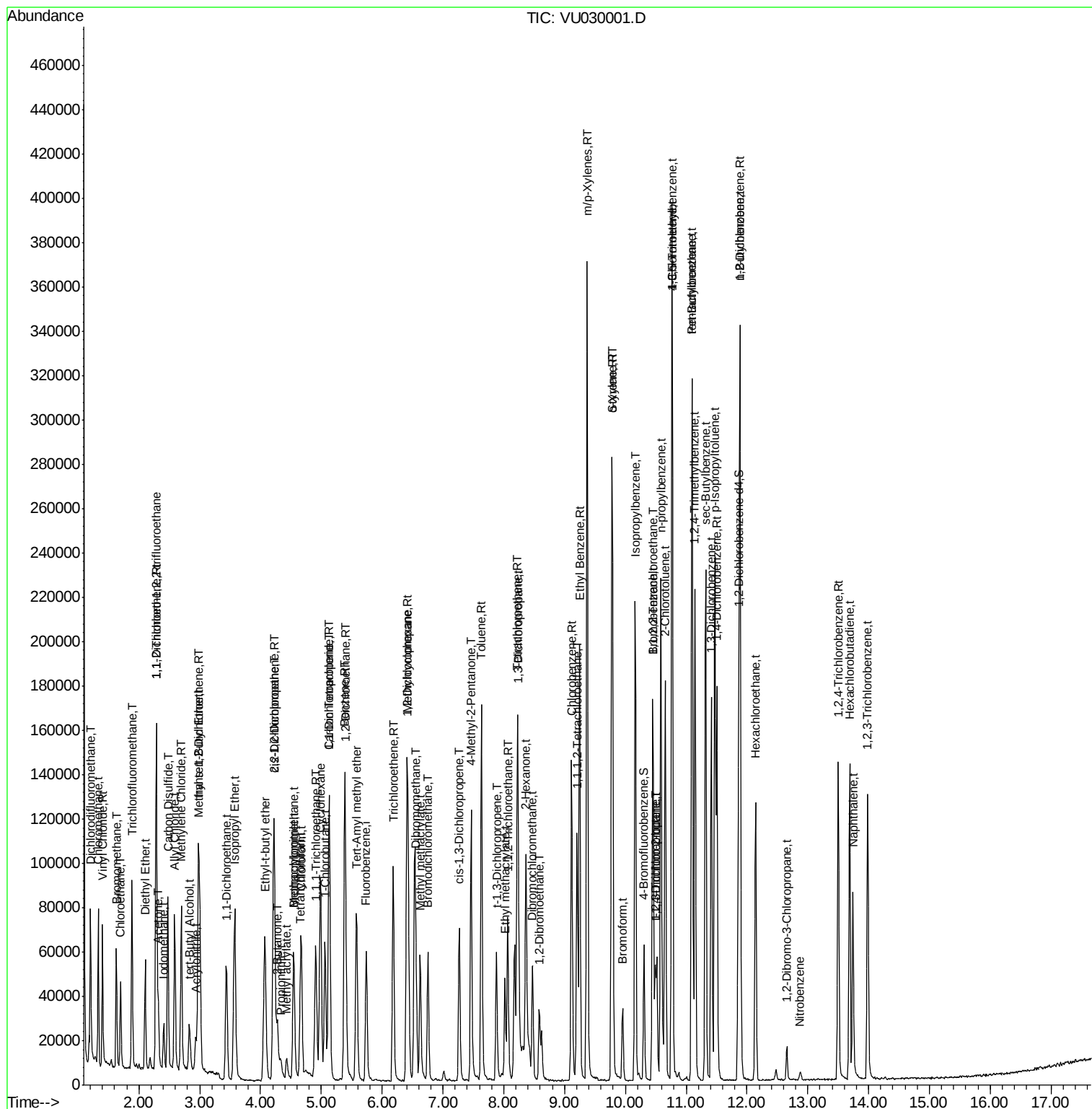
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	17301	1.913	ug/l	94
44) Bromodichloromethane	6.75	83	40726	1.887	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	84297	9.433	ug/l	99
46) t-1,4-Dichloro-2-butene	10.49	75	34405	9.905	ug/l #	54
47) Methyl methacrylate	6.63	69	28685	3.785	ug/l	98
48) Ethyl methacrylate	8.02	69	26963	1.887	ug/l	98
49) Toluene	7.63	92	79650	1.922	ug/l	94
50) t-1,3-Dichloropropene	7.88	75	36407	1.884	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	44920	1.849	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	24373	1.906	ug/l	99
53) 1,3-Dichloropropane	8.24	76	40551	1.896	ug/l	98
54) 2-Hexanone	8.36	43	59472	9.236	ug/l	98
55) Dibromochloromethane	8.48	129	28183	1.832	ug/l	100
56) 1,2-Dibromoethane	8.58	107	22994	1.868	ug/l	99
58) Tetrachloroethene	8.22	164	34482	1.917	ug/l	98
59) Chlorobenzene	9.12	112	89216	1.884	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	30644	1.832	ug/l	97
61) Pentachloroethane	11.10	117	23773	1.842	ug/l	96
62) Hexachloroethane	12.14	117	23258	1.788	ug/l	99
63) Ethyl Benzene	9.25	91	145244	1.868	ug/l	98
64) m/p-Xylenes	9.37	106	113346	3.704	ug/l	99
65) o-Xylene	9.78	106	55697	1.856	ug/l	99
66) Styrene	9.79	104	90513	1.840	ug/l	99
67) Bromoform	9.96	173	15851	1.803	ug/l	99
69) Isopropylbenzene	10.16	105	146402	1.871	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	30119	1.911	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	34405	2.941	ug/l #	78
72) Bromobenzene	10.45	156	39063	1.904	ug/l	98
73) n-propylbenzene	10.58	120	42377	1.909	ug/l	95
74) 2-Chlorotoluene	10.66	126	36921	1.899	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	125572	1.884	ug/l	99
76) 4-Chlorotoluene	10.77	126	36444	1.837	ug/l	99
77) tert-Butylbenzene	11.10	119	121401	1.861	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	125913	1.857	ug/l	99
79) sec-Butylbenzene	11.32	105	164523	1.882	ug/l	100
80) Nitrobenzene	12.87	77	1595	5.418	ug/l #	85
81) p-Isopropyltoluene	11.47	119	139680	1.905	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	76814	1.853	ug/l	98
83) 1,4-Dichlorobenzene	11.50	146	78205	1.877	ug/l	99
84) n-Butylbenzene	11.89	91	127342	1.859	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	71658	1.858	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3998	1.761	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	50090	1.799	ug/l	99
88) Hexachlorobutadiene	13.69	225	29059	1.926	ug/l	96
89) Naphthalene	13.74	128	77835	1.784	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	46263	1.834	ug/l	99

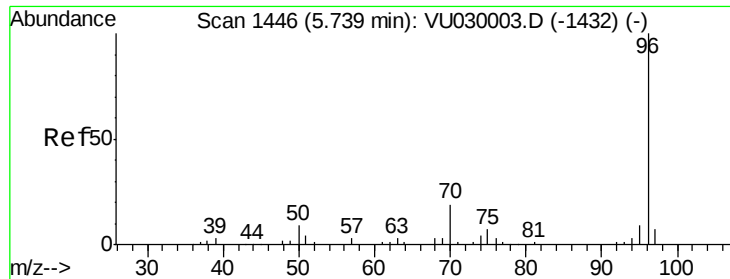
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

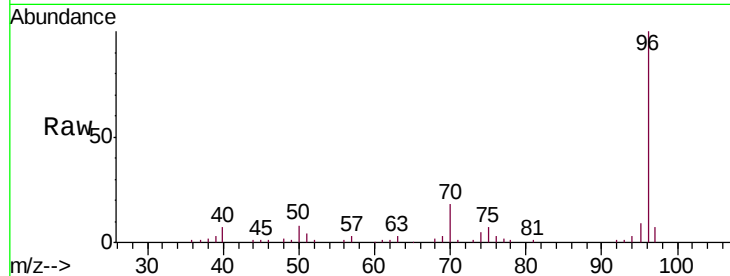
ClientSampleId :

VSTDIC002

Tgt Ion: 96 Resp: 61234

Ion Ratio Lower Upper

96	100		
70	18.7	15.5	23.3
95	8.8	6.6	9.8
97	6.5	0.0	0.0#

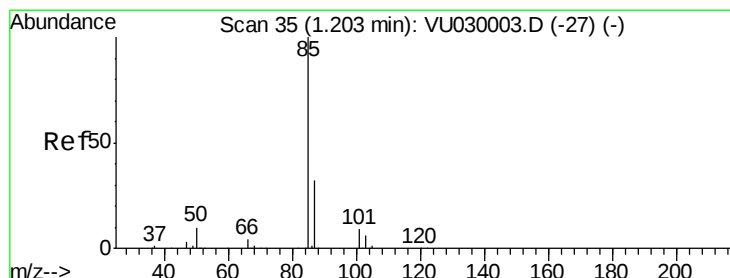
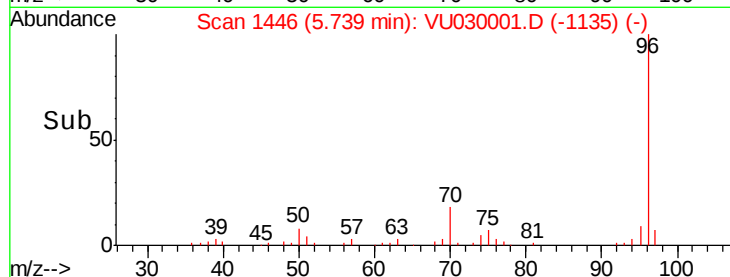
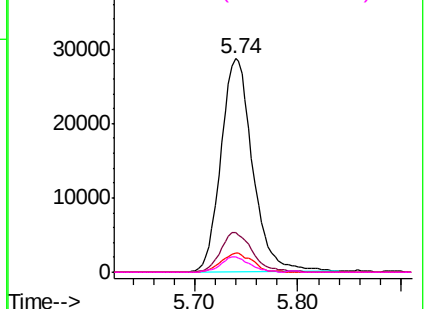


Abundance Ion 96.00 (95.70 to 96.70): VU030003.D (-1432) (-)

Ion 70.00 (69.70 to 70.70): VU030003.D (-1432) (-)

Ion 95.00 (94.70 to 95.70): VU030003.D (-1432) (-)

Ion 97.00 (96.70 to 97.70): VU030003.D (-1432) (-)



#2

Dichlorodifluoromethane

Concen: 1.938 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

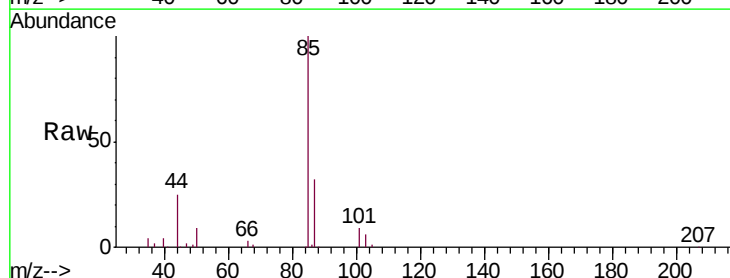
Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Tgt Ion: 85 Resp: 43516

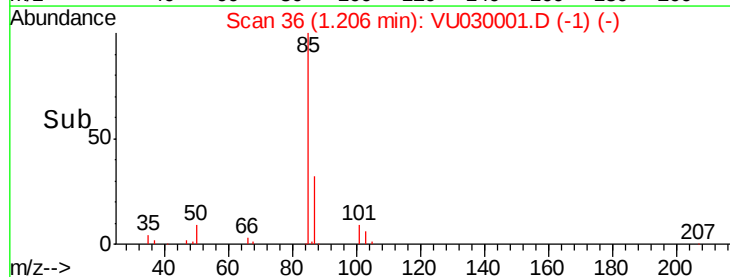
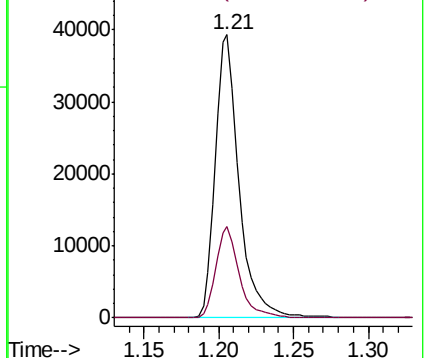
Ion Ratio Lower Upper

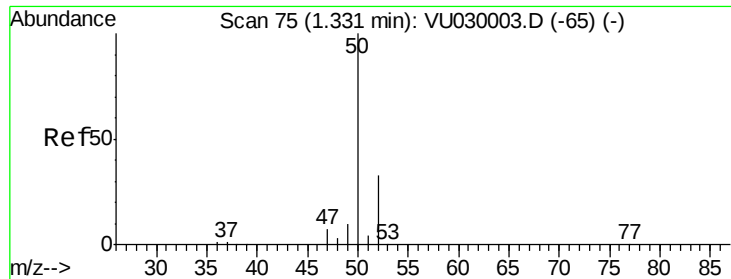
85	100		
87	32.2	16.2	48.6



Abundance Ion 85.00 (84.70 to 85.70): VU030003.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU030003.D (-27) (-)

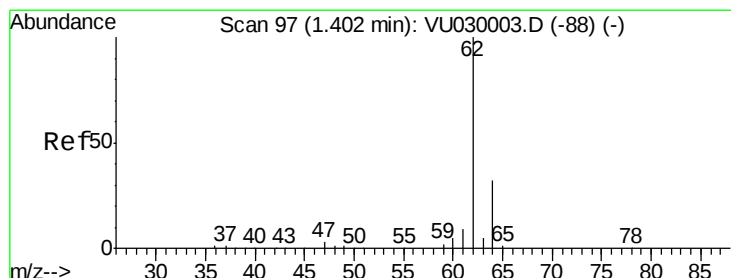
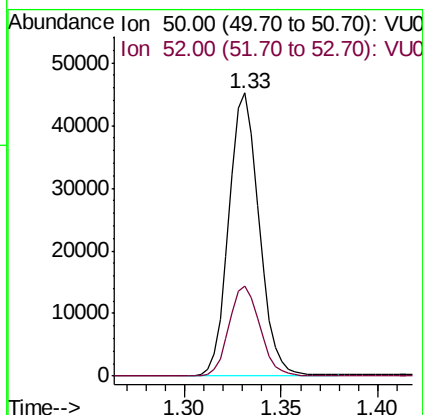
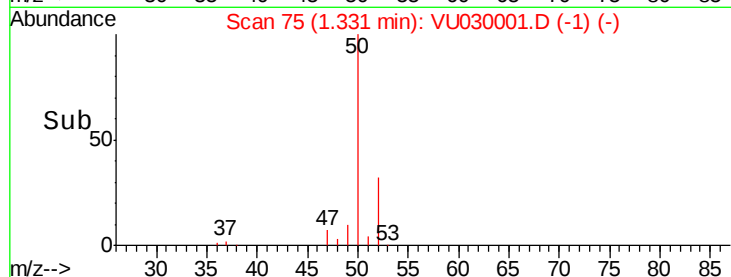
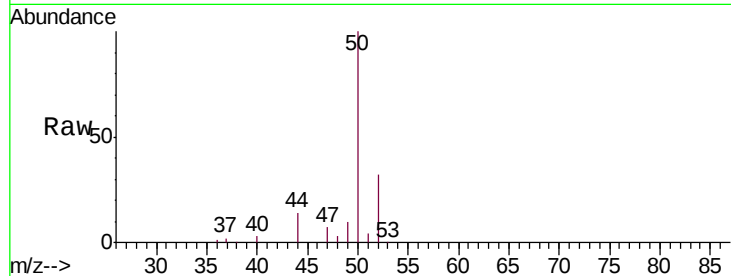




#3
 Chloromethane
 Concen: 1.931 ug/l
 RT: 1.33 min Scan# 75
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

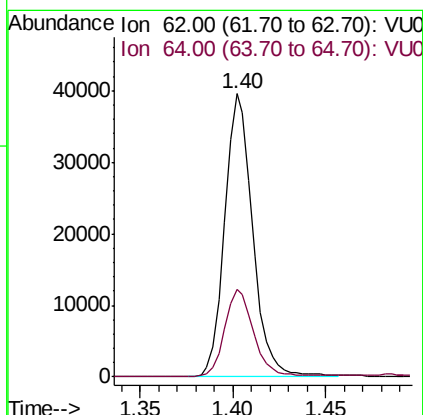
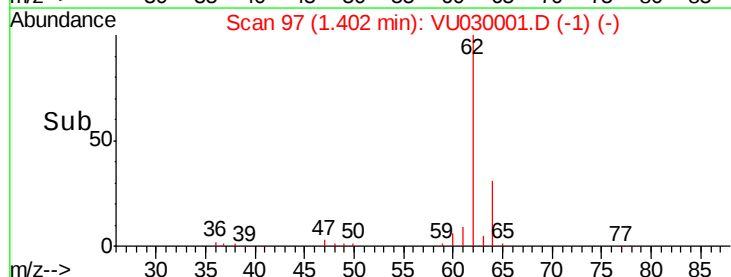
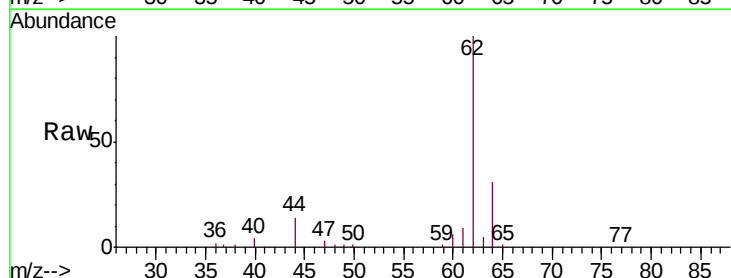
Instrument :
 MSVOA_U
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 VSTDIC002

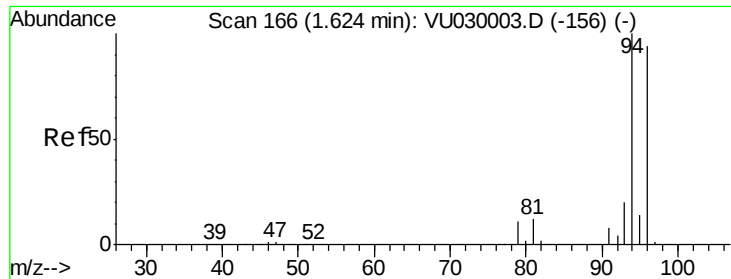
Tgt Ion: 50 Resp: 49205
 Ion Ratio Lower Upper
 50 100
 52 31.7 26.1 39.1



#4
 Vinyl Chloride
 Concen: 1.897 ug/l
 RT: 1.40 min Scan# 97
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 62 Resp: 41425
 Ion Ratio Lower Upper
 62 100
 64 31.1 26.0 39.0





#5

Bromomethane

Concen: 1.982 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

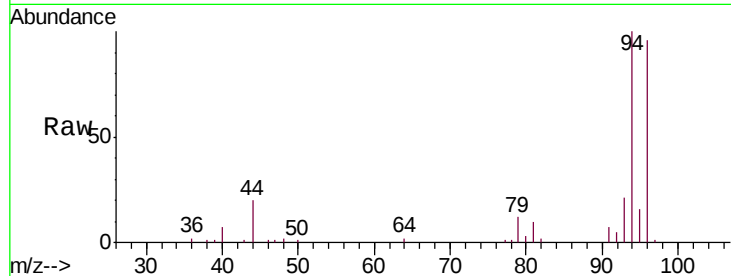
VSTDIC002

Tgt Ion: 94 Resp: 24735

Ion Ratio Lower Upper

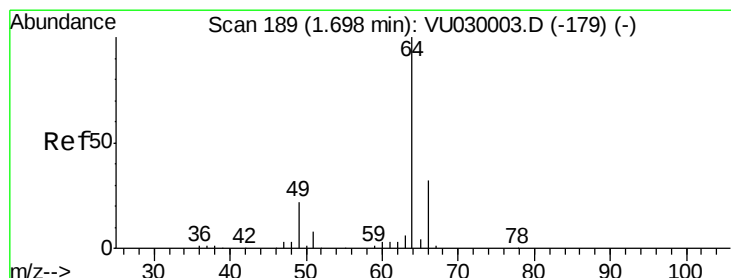
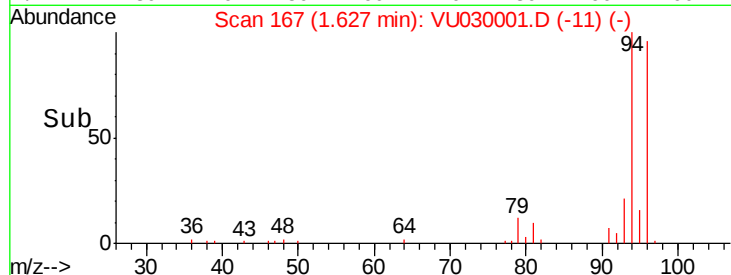
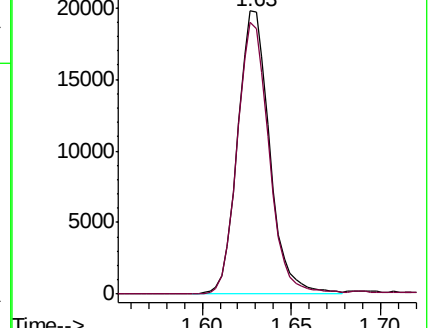
94 100

96 96.0 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VU030003.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030003.D (-156) (-)



#6

Chloroethane

Concen: 1.887 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU030001.D

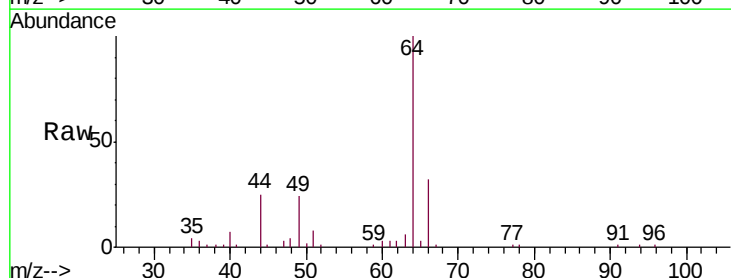
Acq: 12 Mar 2019 10:54

Tgt Ion: 64 Resp: 23783

Ion Ratio Lower Upper

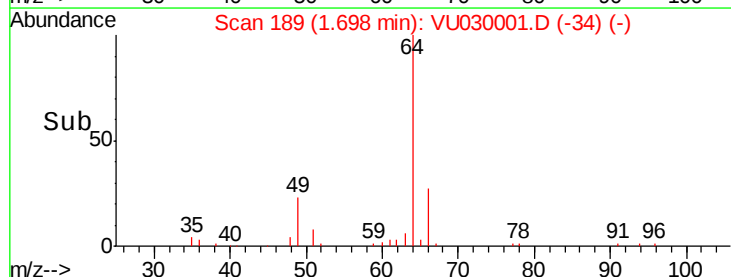
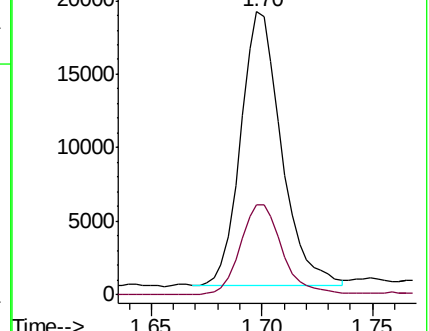
64 100

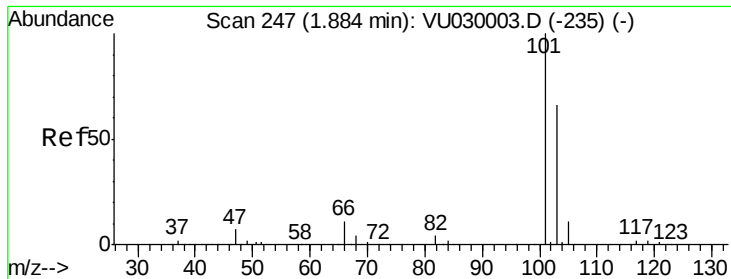
66 33.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VU030003.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030003.D (-179) (-)



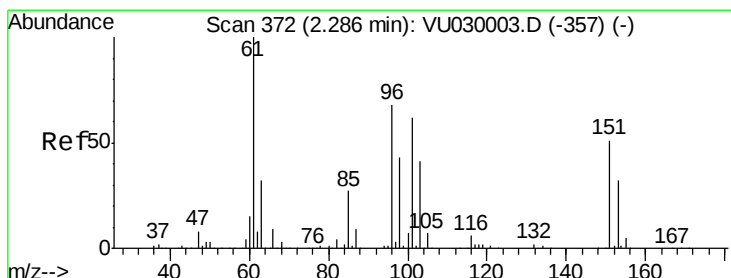
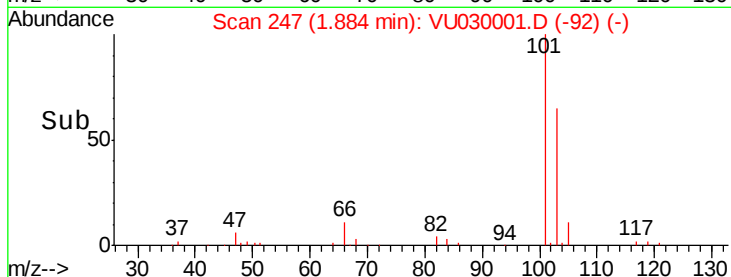
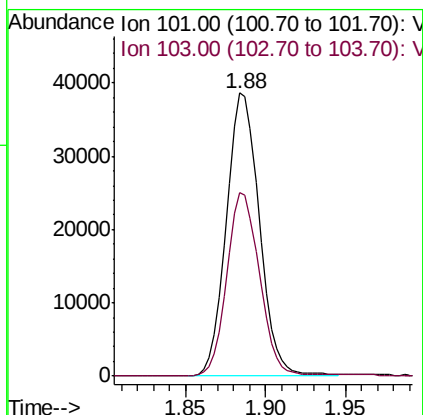
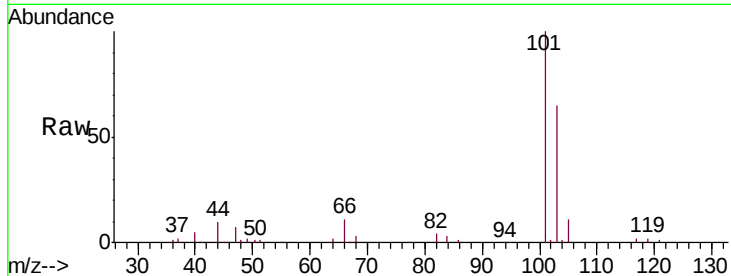


#7

Trichlorofluoromethane
 Concen: 1.927 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU030001.D
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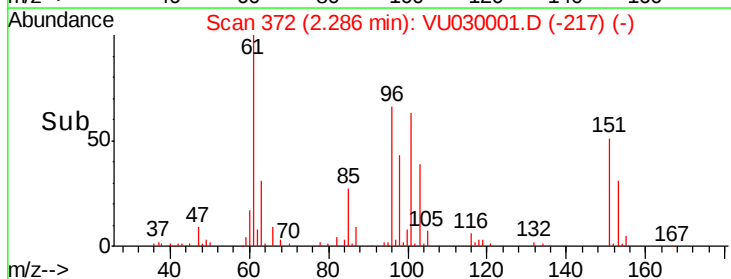
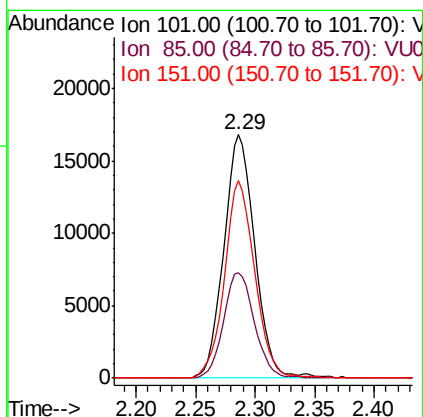
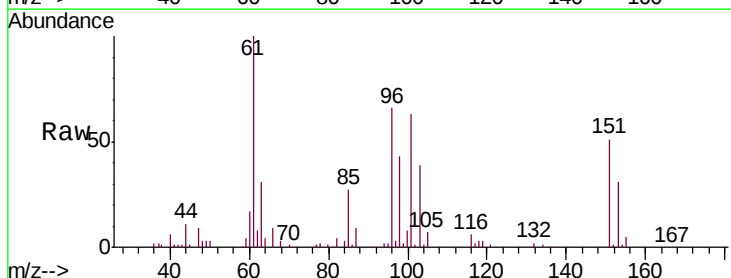
Tgt Ion:101 Resp: 54582
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 79.0

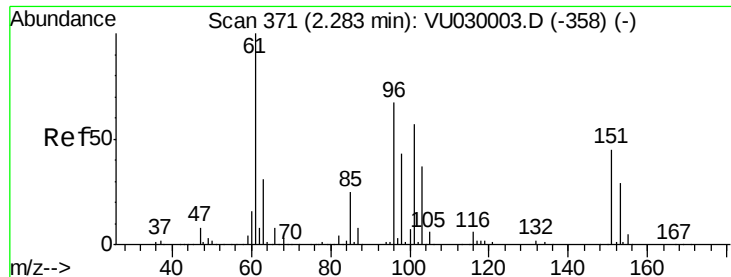


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.965 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion:101 Resp: 30278
 Ion Ratio Lower Upper
 101 100
 85 42.0 33.6 50.4
 151 79.3 65.0 97.4





#9

1,1-Dichloroethene

Concen: 1.875 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

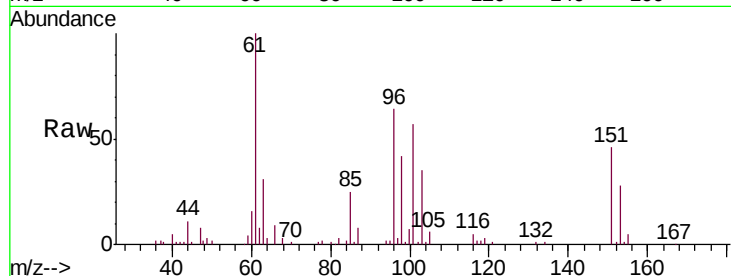
Tgt Ion: 96 Resp: 28647

Ion Ratio Lower Upper

96 100

61 156.3 0.0 447.0

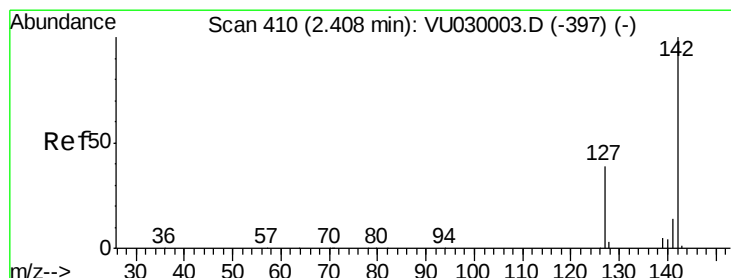
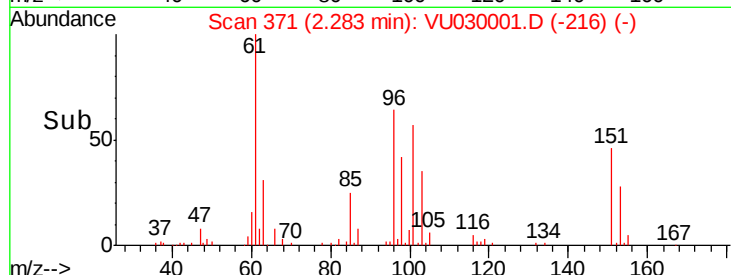
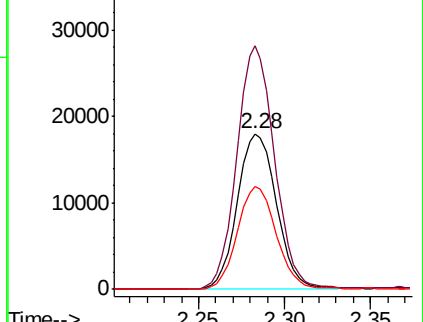
98 66.1 0.0 129.2



Abundance Ion 96.00 (95.70 to 96.70): VU030003.D (-358) (-)

Ion 61.00 (60.70 to 61.70): VU030003.D (-358) (-)

Ion 98.00 (97.70 to 98.70): VU030003.D (-358) (-)



#10

Iodomethane

Concen: 1.407 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU030001.D

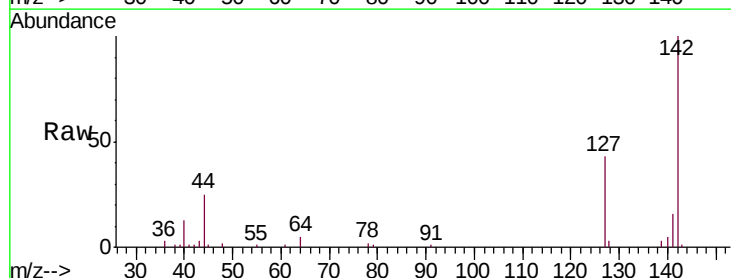
Acq: 12 Mar 2019 10:54

Tgt Ion: 142 Resp: 18623

Ion Ratio Lower Upper

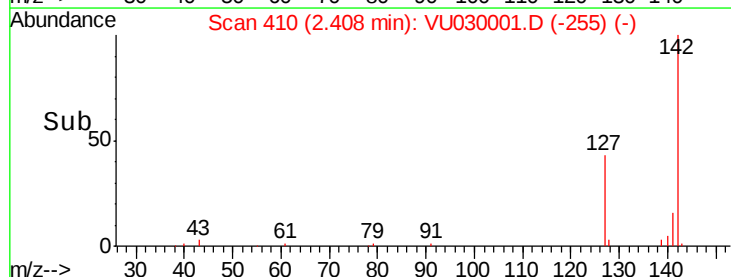
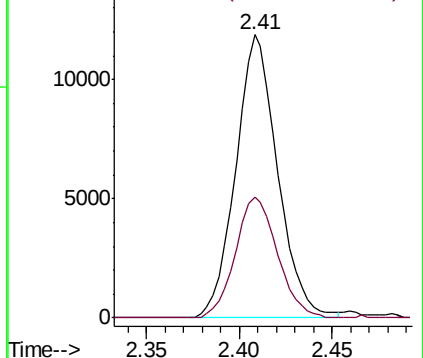
142 100

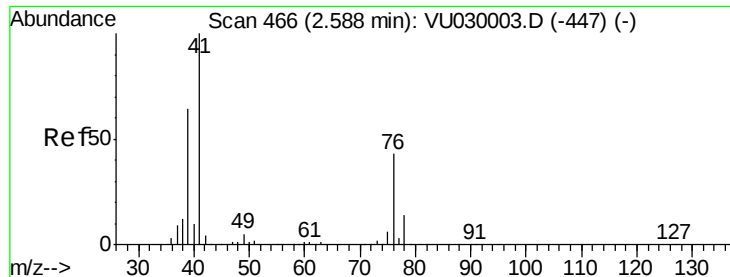
127 42.8 32.2 48.4



Abundance Ion 142.00 (141.70 to 142.70): VU030003.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU030003.D (-397) (-)

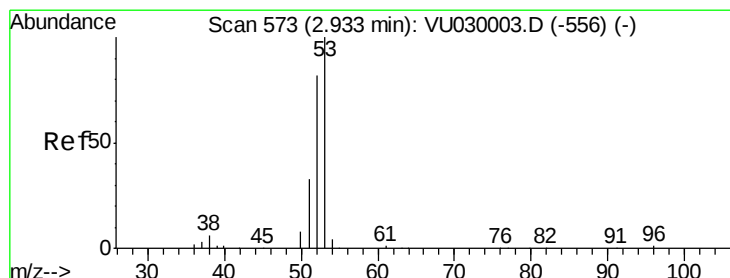
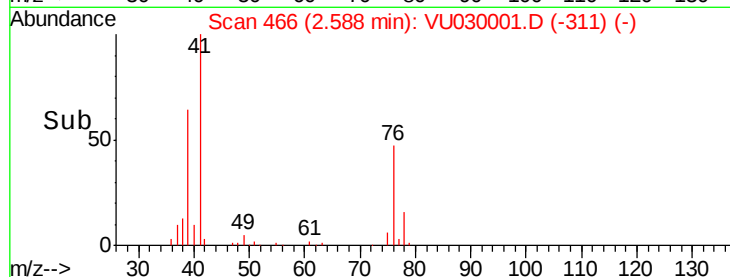
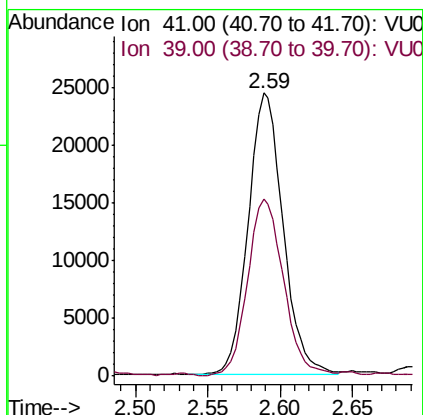
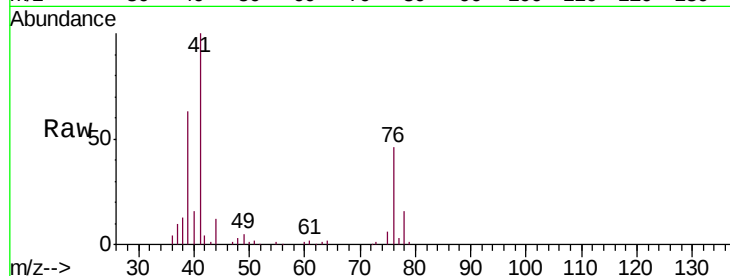




#11
 Allyl Chloride
 Concen: 1.896 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

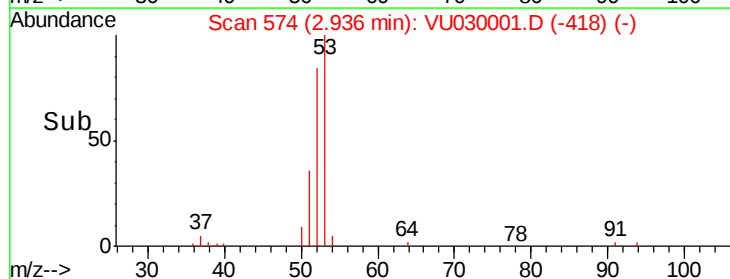
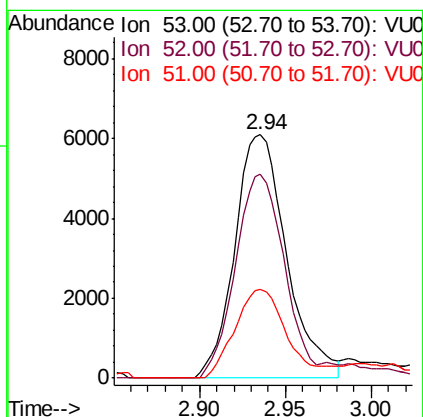
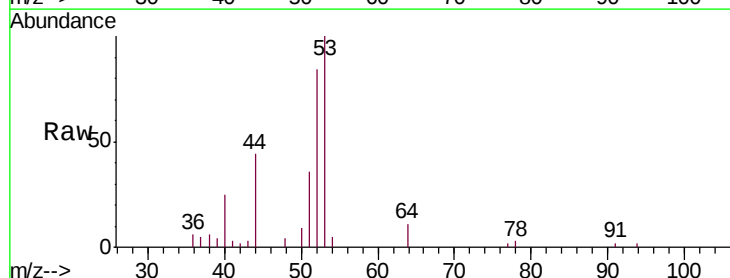
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

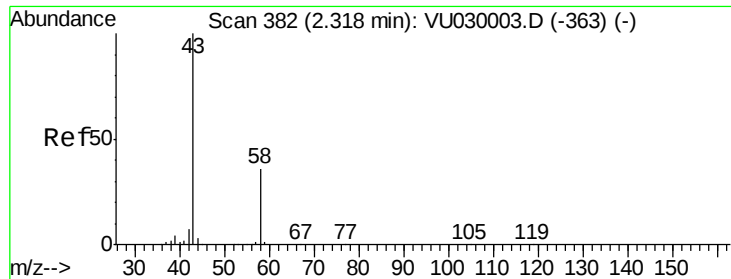
Tgt Ion: 41 Resp: 40970
 Ion Ratio Lower Upper
 41 100
 39 65.2 50.8 76.2



#12
 Acrylonitrile
 Concen: 3.859 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 53 Resp: 12770
 Ion Ratio Lower Upper
 53 100
 52 79.1 66.3 99.5
 51 36.6 26.9 40.3





#13

Acetone

Concen: 9.252 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

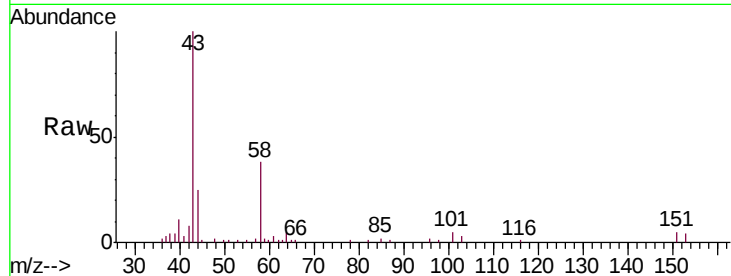
VSTDIC002

Tgt Ion: 43 Resp: 26654

Ion Ratio Lower Upper

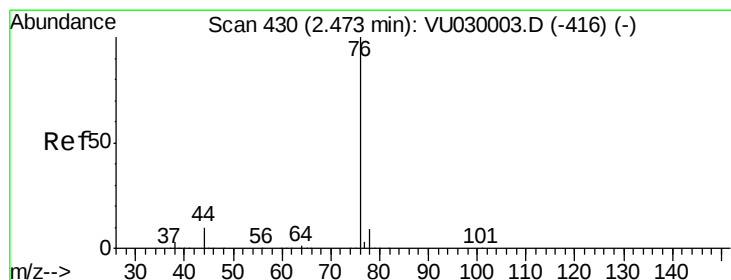
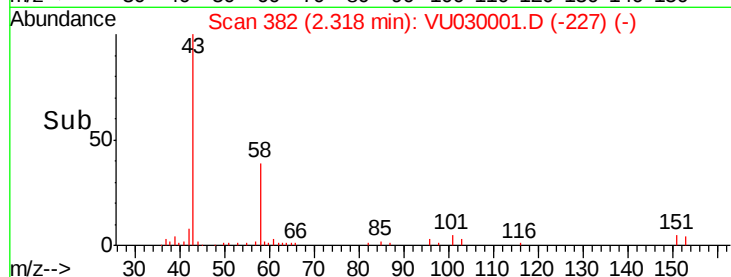
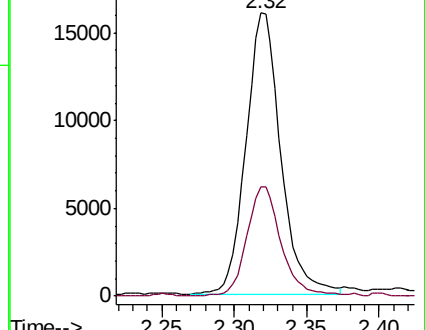
43 100

58 38.8 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VU030003.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU030003.D (-363) (-)



#14

Carbon Disulfide

Concen: 1.856 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030001.D

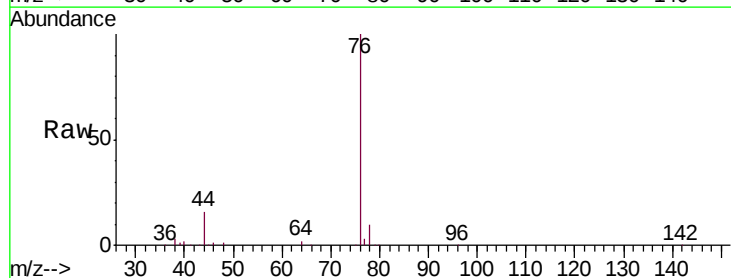
Acq: 12 Mar 2019 10:54

Tgt Ion: 76 Resp: 98787

Ion Ratio Lower Upper

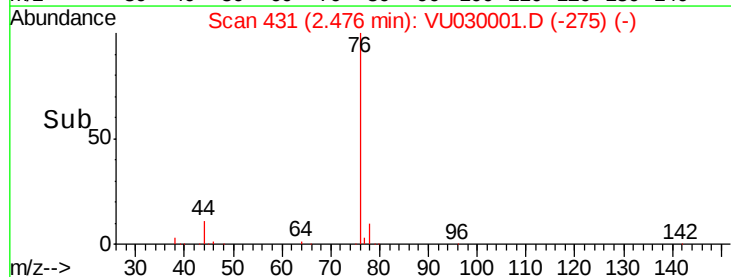
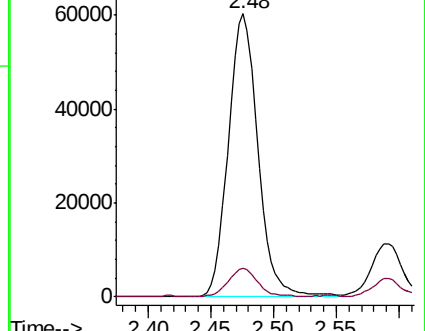
76 100

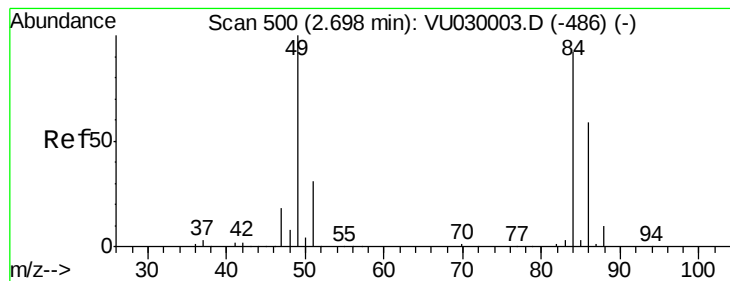
78 10.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU030003.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030003.D (-416) (-)





#15

Methylene Chloride

Concen: 1.834 ug/l

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 84 Resp: 33360

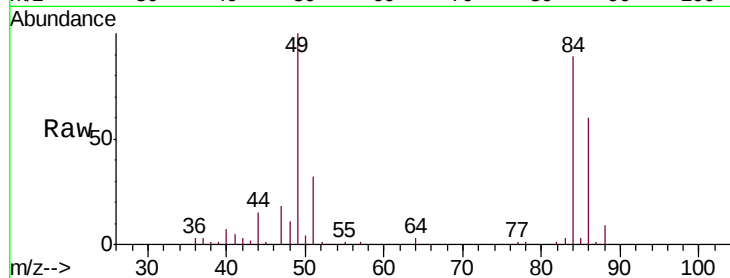
Ion Ratio Lower Upper

84 100

49 111.4 86.5 129.7

51 35.5 0.0 66.8

86 66.9 51.2 76.8

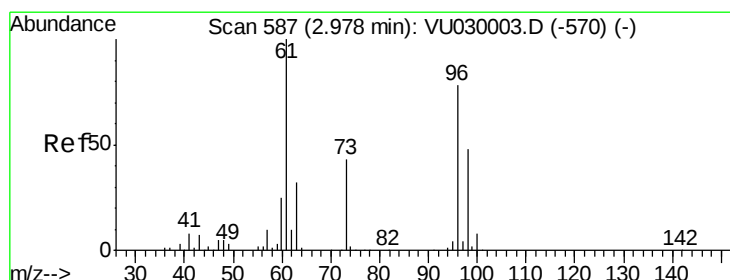
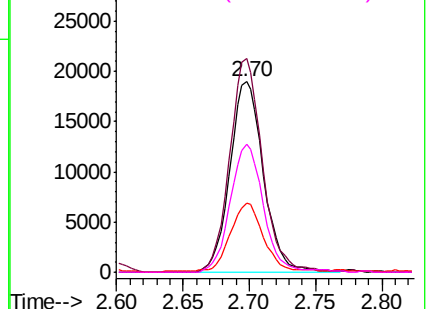
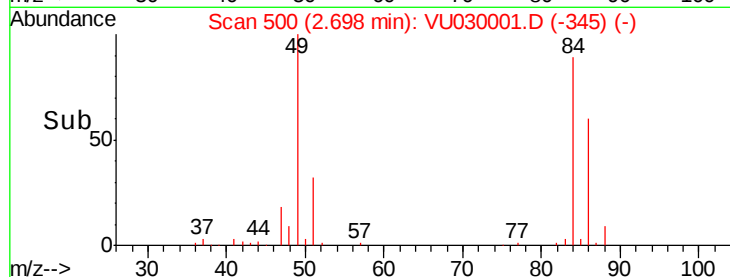


Abundance Ion 84.00 (83.70 to 84.70): VU0

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: 1.951 ug/l

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

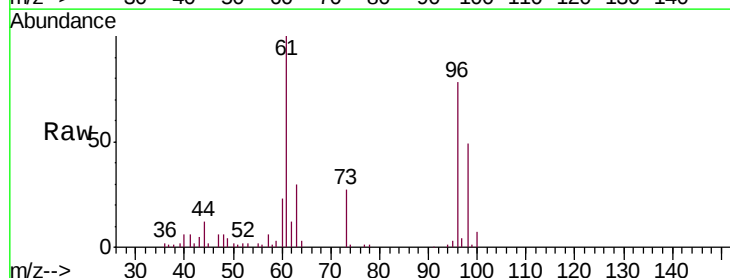
Tgt Ion: 96 Resp: 34426

Ion Ratio Lower Upper

96 100

61 128.1 103.0 154.6

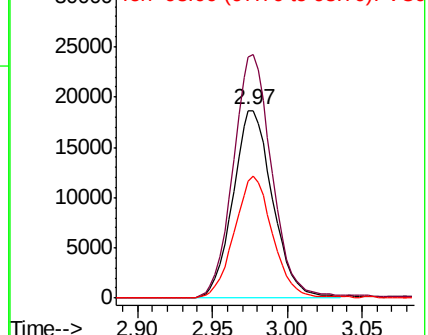
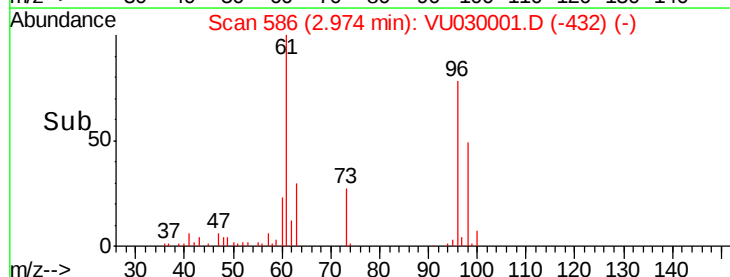
98 62.5 49.5 74.3

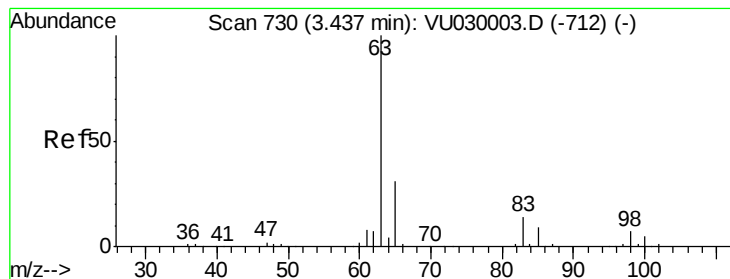


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 1.920 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

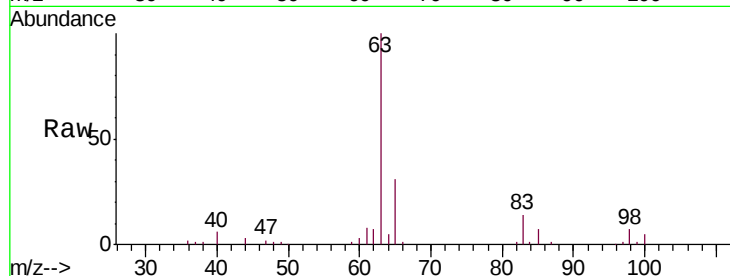
Tgt Ion: 63 Resp: 57276

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.9 2.3 6.8

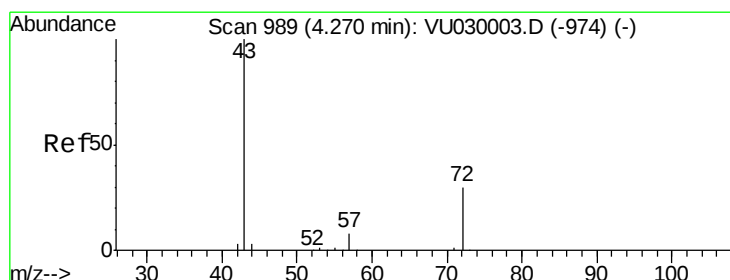
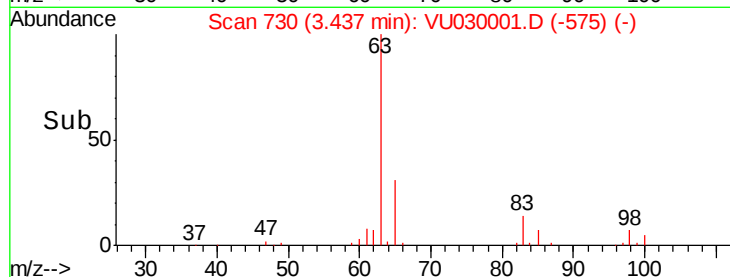


Abundance Ion 63.00 (62.70 to 63.70): VU030003.D (-712) (-)

Ion 98.00 (97.70 to 98.70): VU030003.D (-712) (-)

Ion 100.00 (99.70 to 100.70): VU030003.D (-712) (-)

Time-->



#18

2-Butanone

Concen: 9.863 ug/l

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VU030001.D

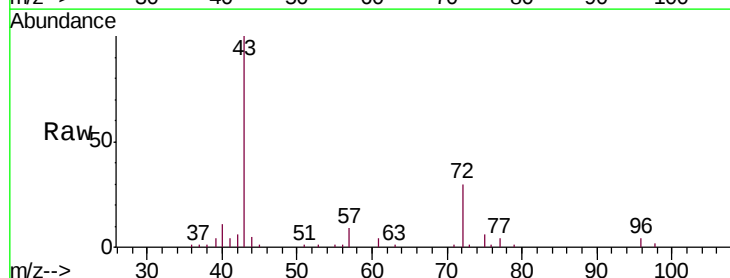
Acq: 12 Mar 2019 10:54

Tgt Ion: 43 Resp: 39339

Ion Ratio Lower Upper

43 100

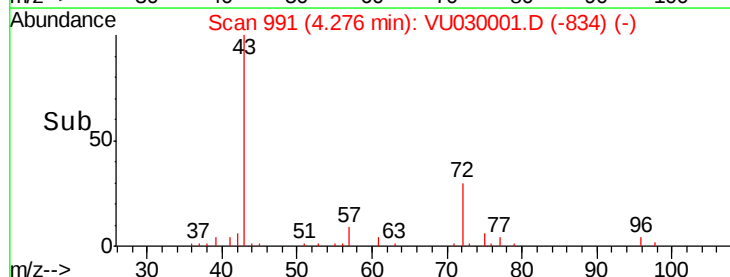
57 8.7 0.0 16.8

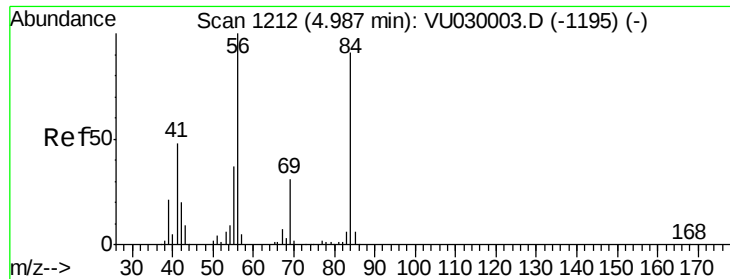


Abundance Ion 43.00 (42.70 to 43.70): VU030003.D (-974) (-)

Ion 57.00 (56.70 to 57.70): VU030003.D (-974) (-)

Time-->





#19

Cyclohexane

Concen: 1.648 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

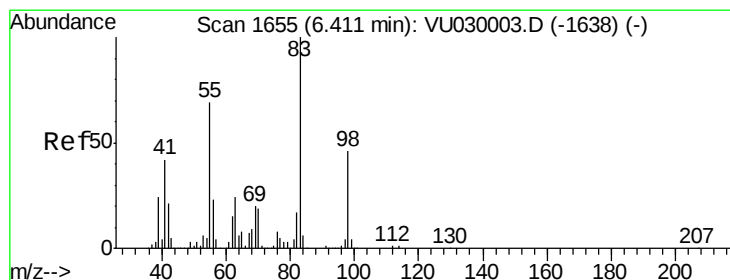
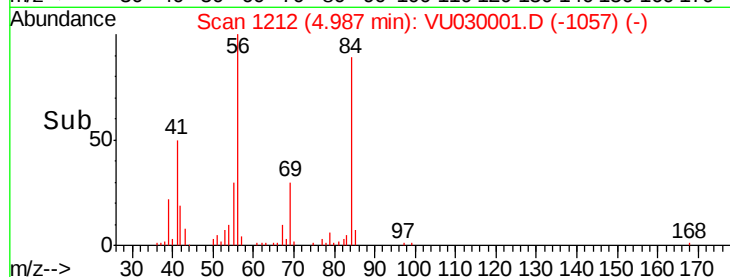
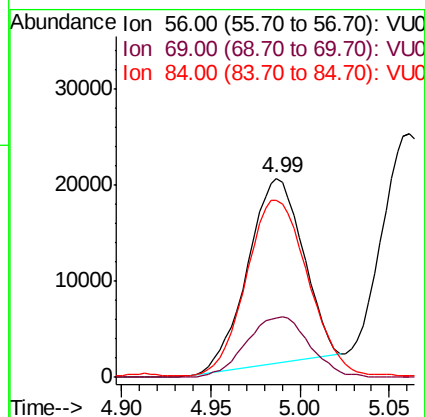
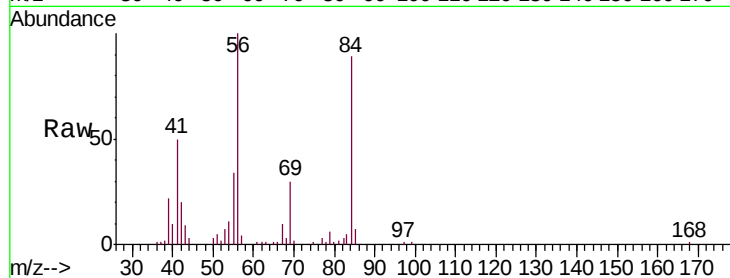
Tgt Ion: 56 Resp: 41963

Ion Ratio Lower Upper

56 100

69 37.2 25.7 38.5

84 104.8 72.9 109.3



#20

Methylcyclohexane

Concen: 1.930 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

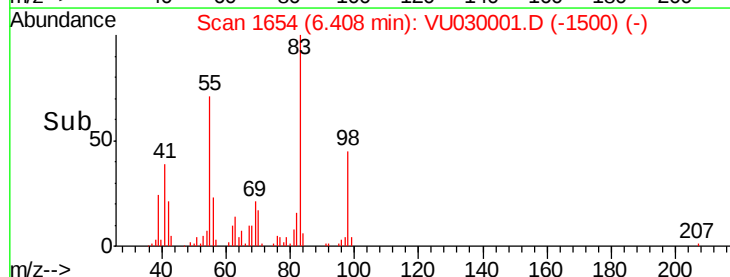
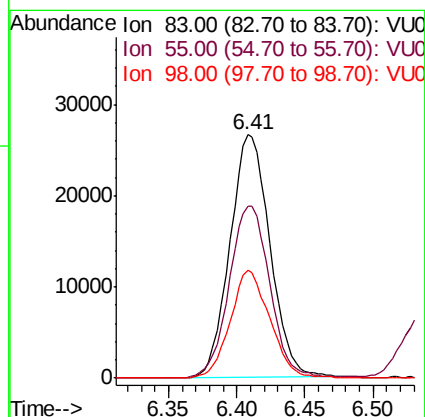
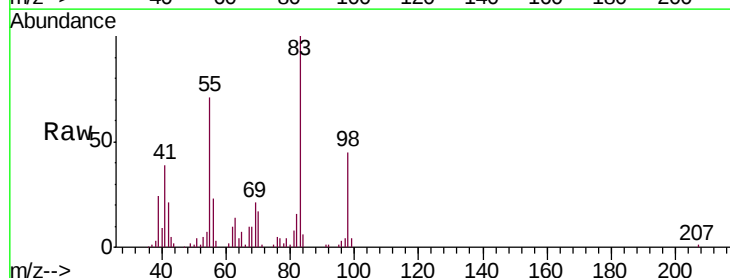
Tgt Ion: 83 Resp: 54439

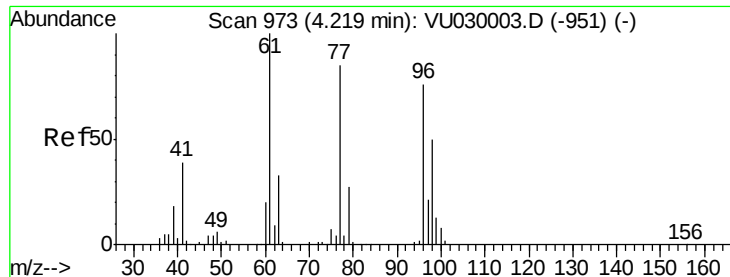
Ion Ratio Lower Upper

83 100

55 70.8 55.6 83.4

98 43.0 37.4 56.0

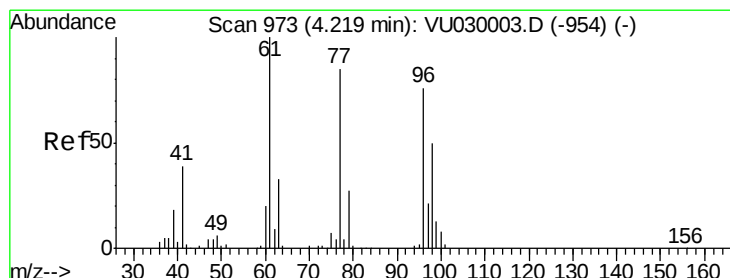
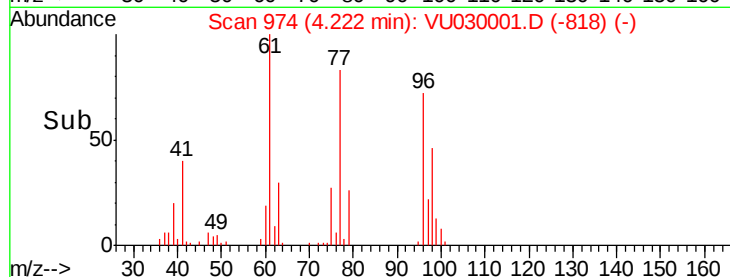
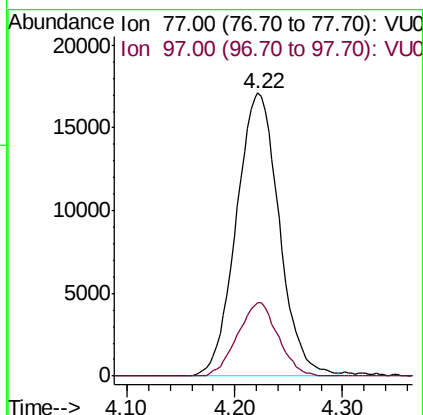
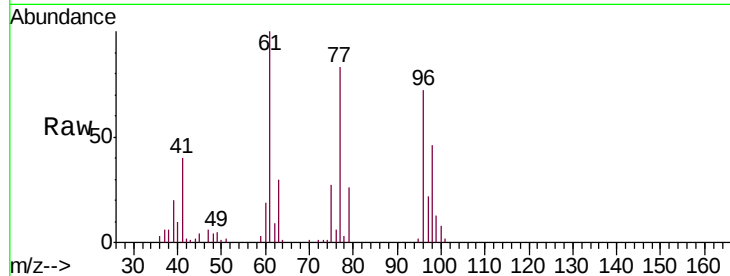




#21
 2,2-Dichloropropane
 Concen: 1.885 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

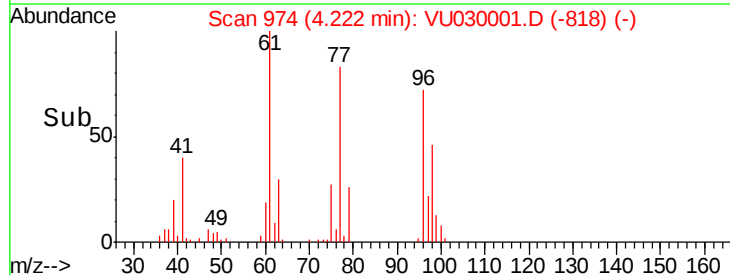
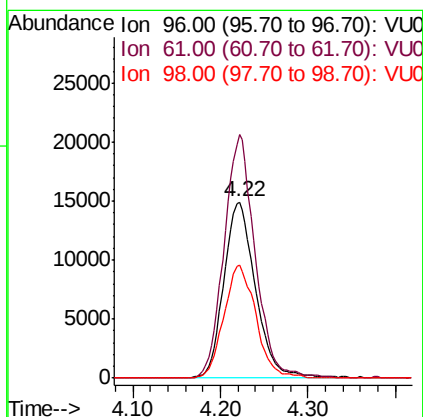
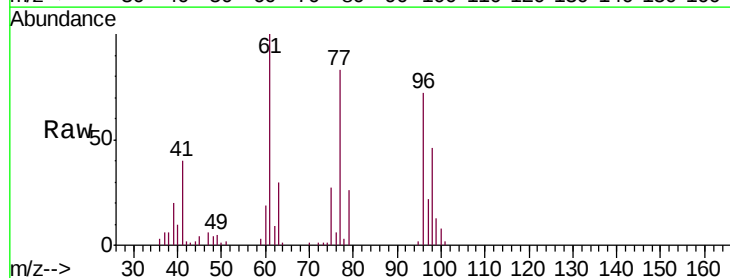
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

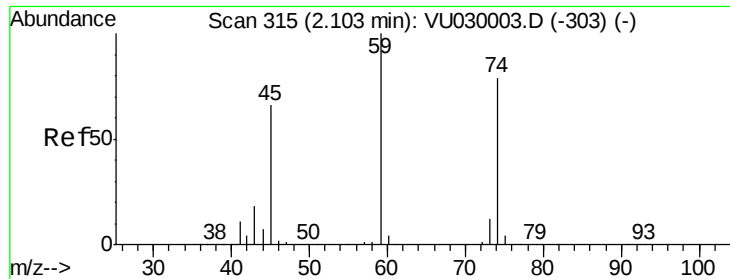
Tgt Ion: 77 Resp: 47277
 Ion Ratio Lower Upper
 77 100
 97 24.4 20.2 30.4



#22
 cis-1,2-Dichloroethene
 Concen: 1.913 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 96 Resp: 37522
 Ion Ratio Lower Upper
 96 100
 61 134.9 0.0 335.8
 98 64.6 32.6 97.7





#23

Diethyl Ether

Concen: 1.940 ug/l

RT: 2.10 min Scan# 315

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

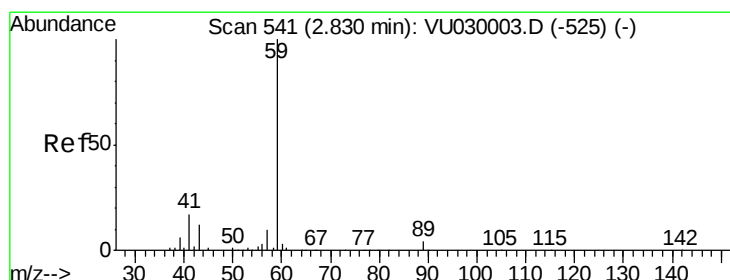
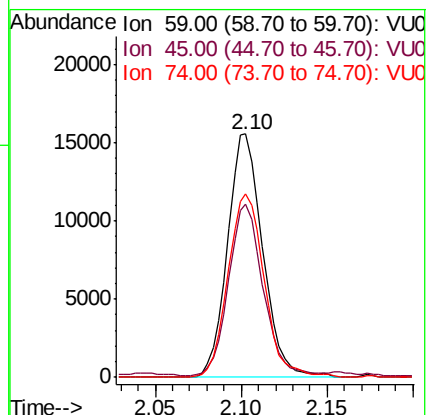
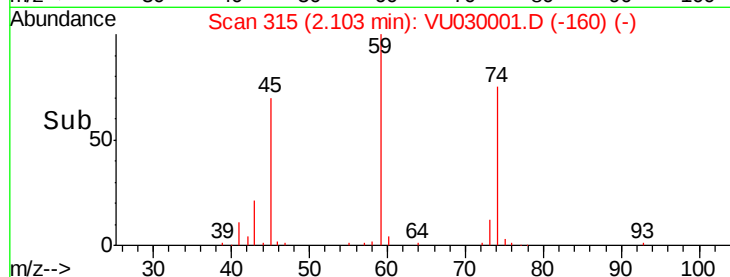
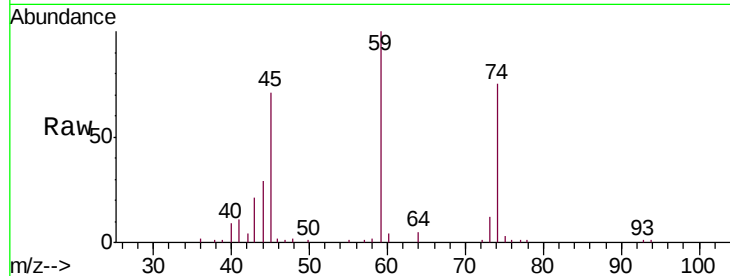
Tgt Ion: 59 Resp: 22148

Ion Ratio Lower Upper

59 100

45 68.7 52.3 78.5

74 77.4 61.1 91.7



#24

tert-Butyl Alcohol

Concen: 19.201 ug/l

RT: 2.83 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU030001.D

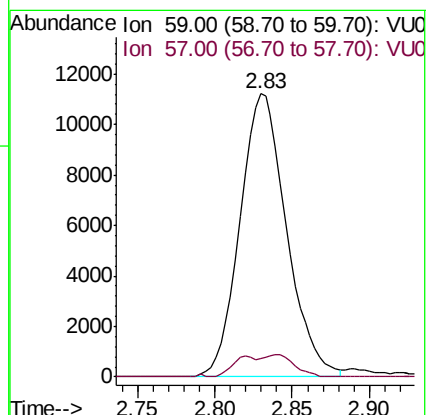
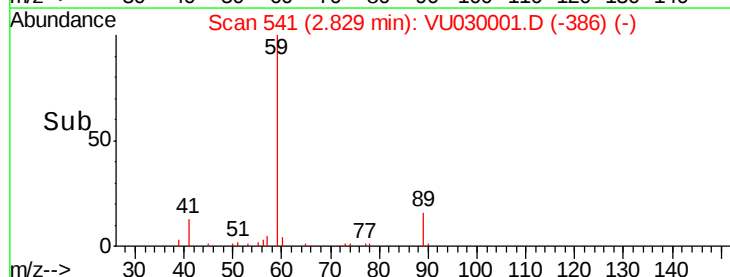
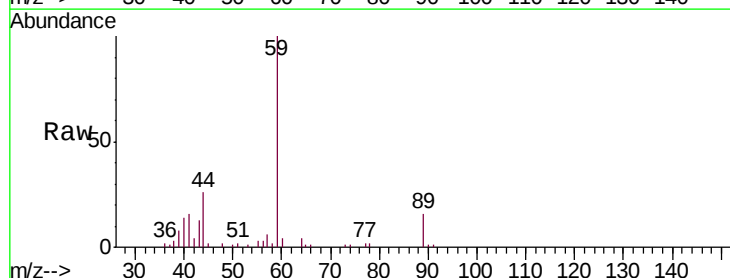
Acq: 12 Mar 2019 10:54

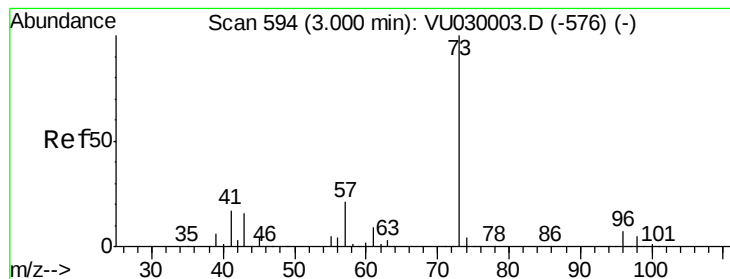
Tgt Ion: 59 Resp: 23458

Ion Ratio Lower Upper

59 100

57 3.6 7.7 11.5#



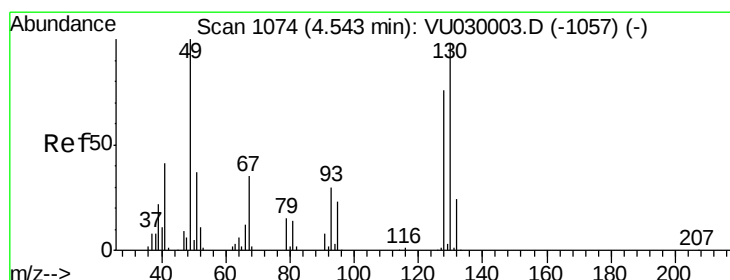
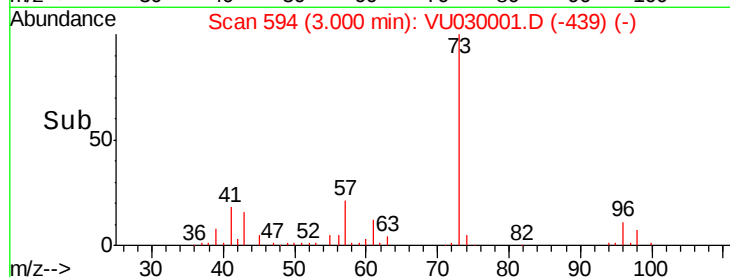
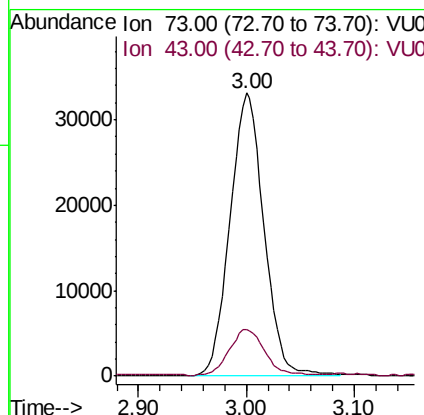
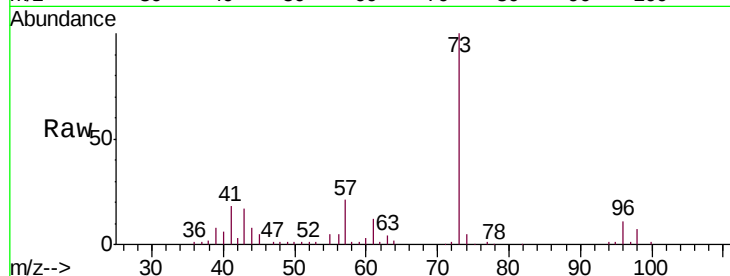


#25

Methyl tert-Butyl Ether
 Concen: 1.888 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

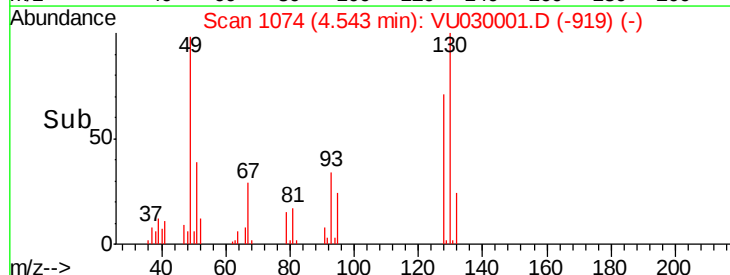
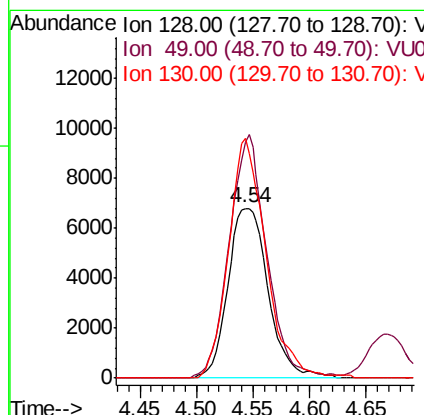
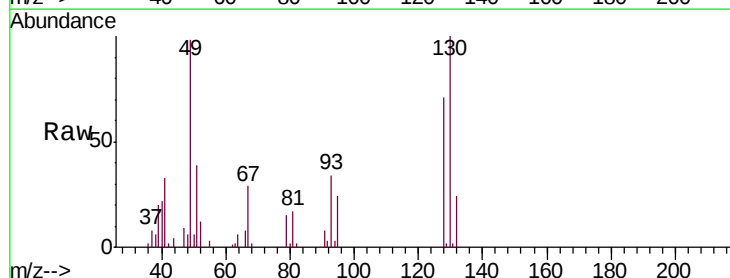
Tgt Ion: 73 Resp: 72833
 Ion Ratio Lower Upper
 73 100
 43 16.7 13.1 19.7

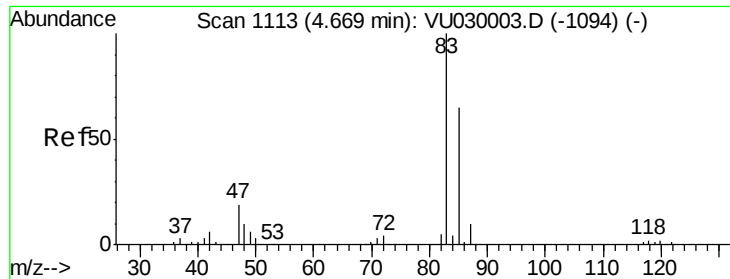


#26

Bromochloromethane
 Concen: 1.965 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 128 Resp: 16862
 Ion Ratio Lower Upper
 128 100
 49 133.0 0.0 270.4
 130 131.3 102.6 153.8

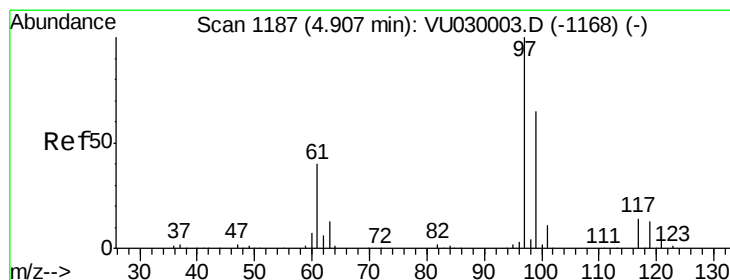
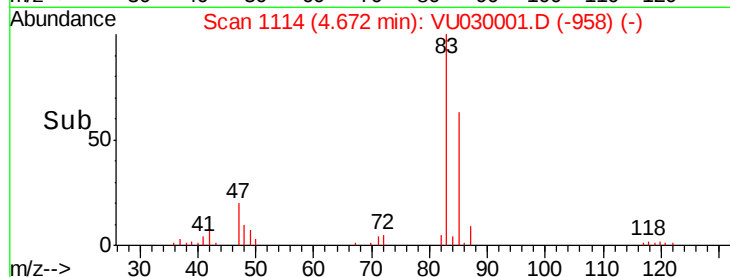
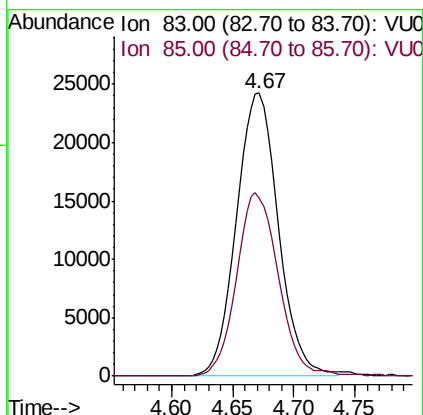
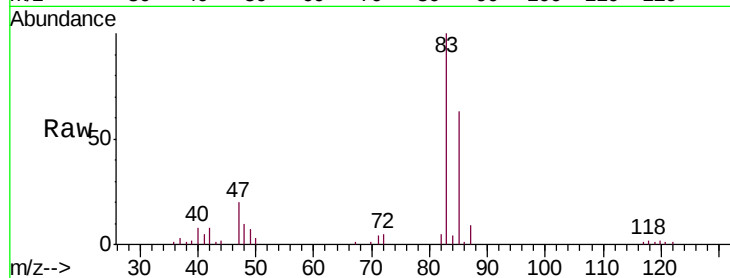




#27
Chloroform
Concen: 1.841 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

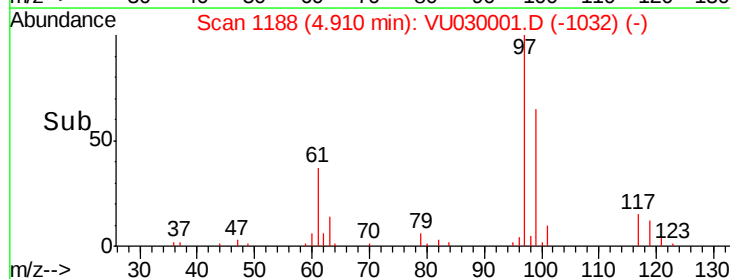
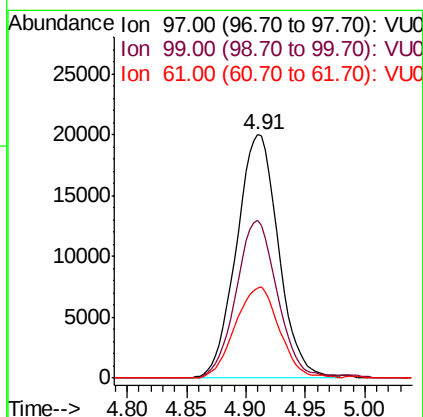
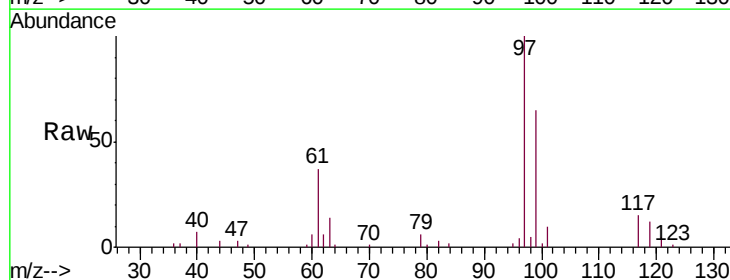
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

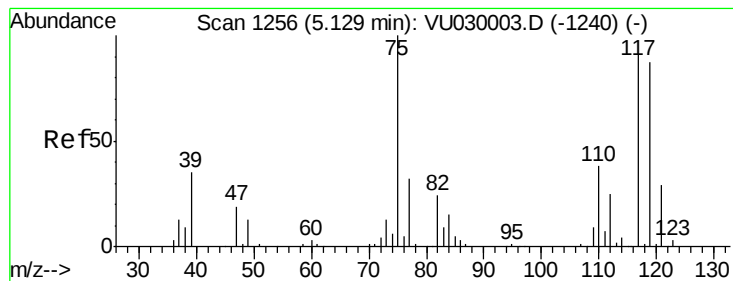
Tgt Ion: 83 Resp: 57765
Ion Ratio Lower Upper
83 100
85 63.1 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 1.899 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 97 Resp: 49025
Ion Ratio Lower Upper
97 100
99 63.6 32.4 97.0
61 39.3 20.4 61.2





#29

1,1-Dichloropropene

Concen: 1.807 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

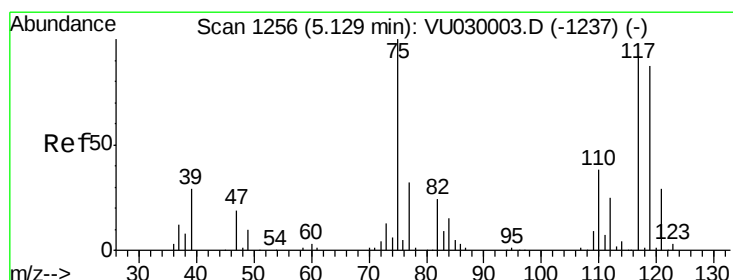
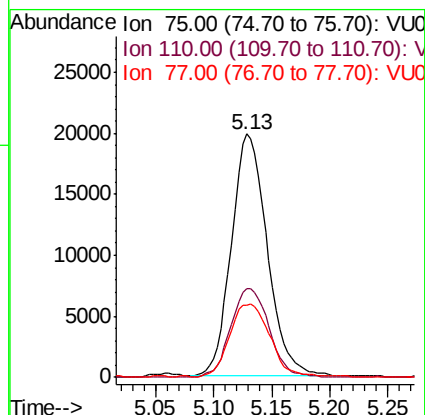
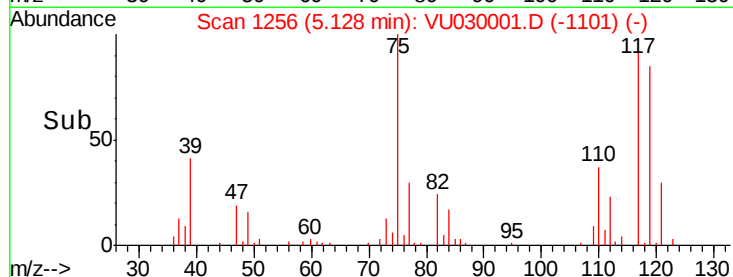
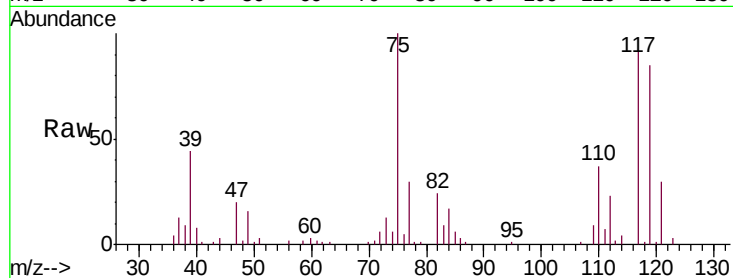
Tgt Ion: 75 Resp: 42479

Ion Ratio Lower Upper

75 100

110 39.3 19.1 57.3

77 34.3 25.2 37.8



#30

Carbon Tetrachloride

Concen: 1.890 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

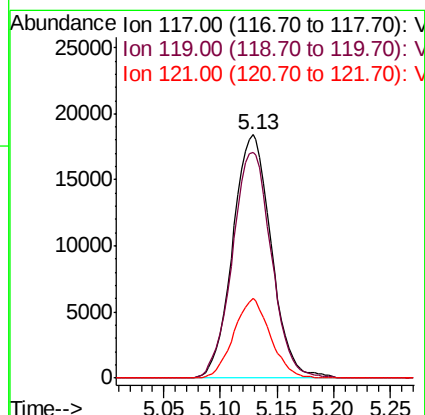
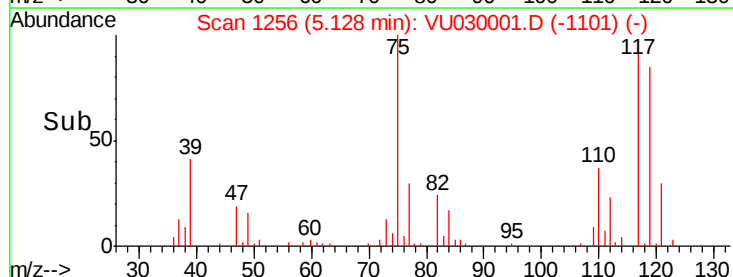
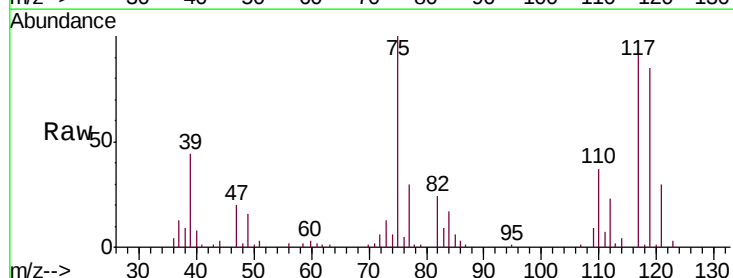
Tgt Ion: 117 Resp: 43635

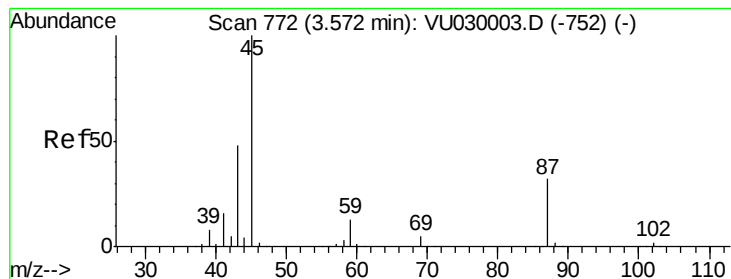
Ion Ratio Lower Upper

117 100

119 92.6 76.3 114.5

121 32.7 25.1 37.7





#31

Isopropyl Ether

Concen: 1.844 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

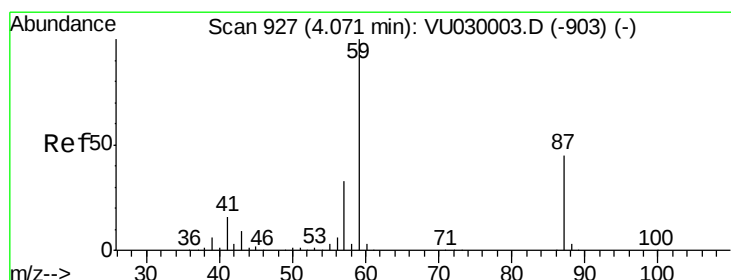
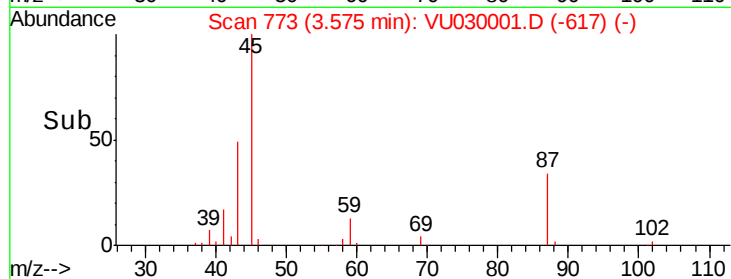
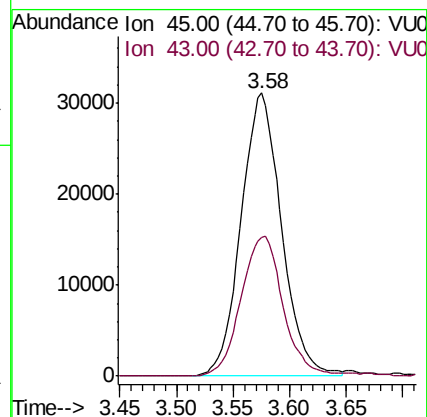
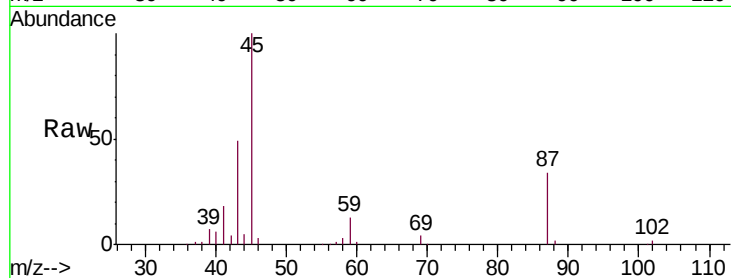
VSTDIC002

Tgt Ion: 45 Resp: 77411

Ion Ratio Lower Upper

45 100

43 51.1 24.5 73.5



#32

Ethyl-t-butyl ether

Concen: 1.852 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU030001.D

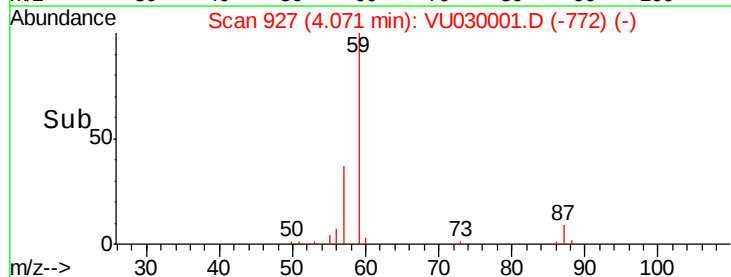
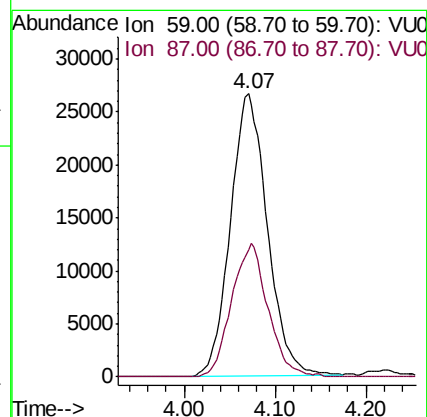
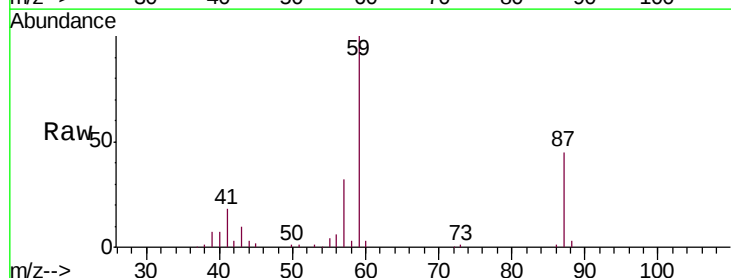
Acq: 12 Mar 2019 10:54

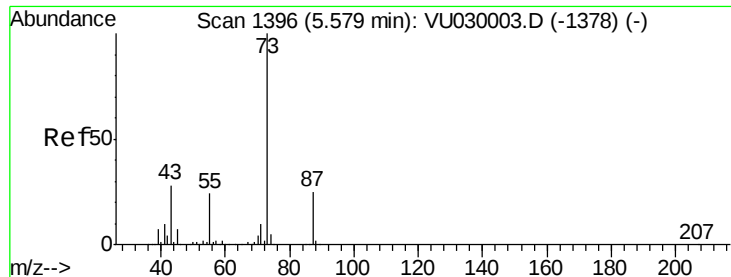
Tgt Ion: 59 Resp: 74890

Ion Ratio Lower Upper

59 100

87 45.2 36.2 54.4

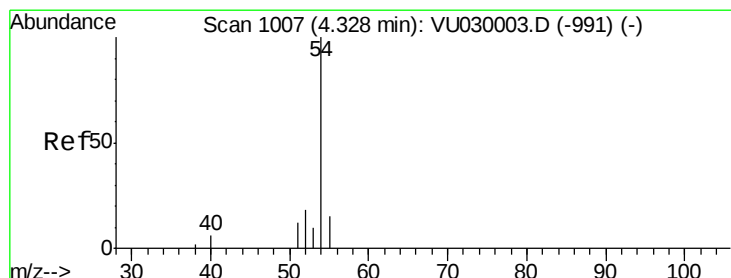
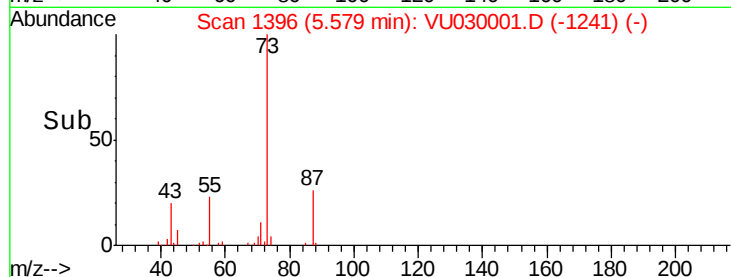
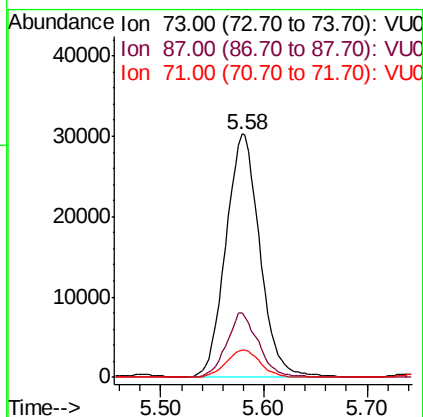
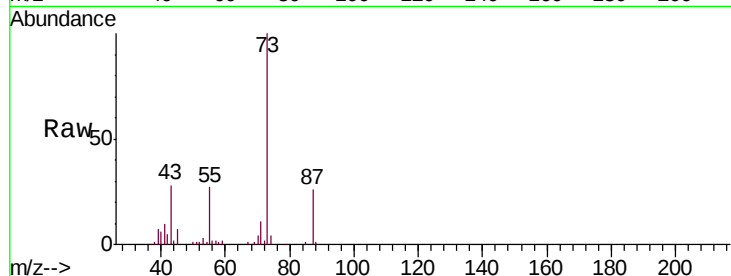




#33
Tert-Amyl methyl ether
Concen: 1.879 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

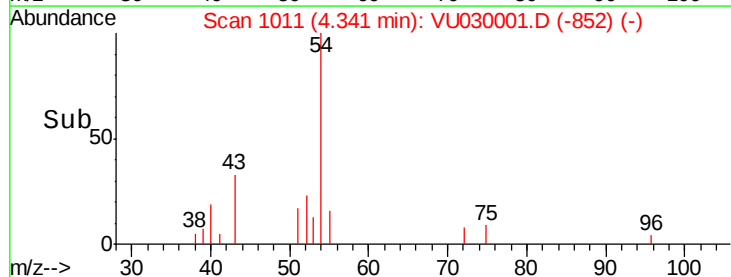
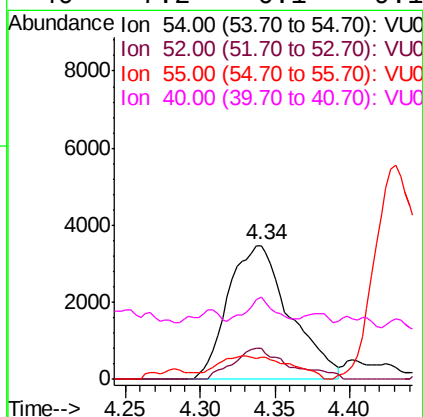
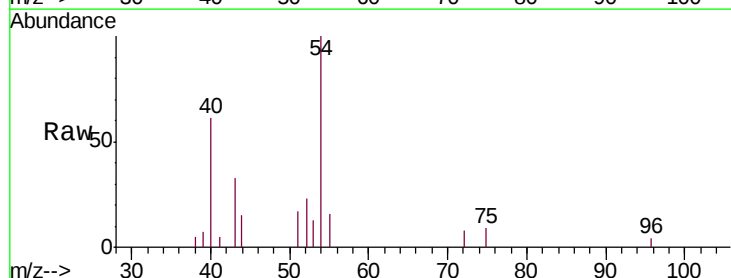
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

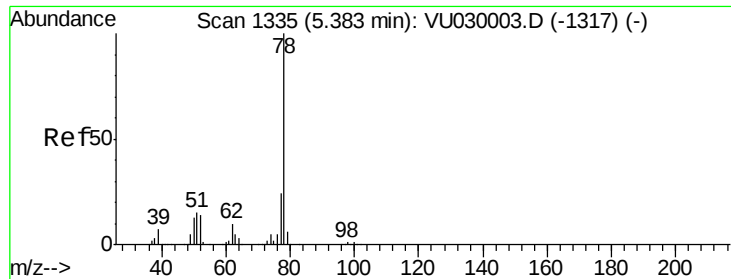
Tgt Ion: 73 Resp: 69575
Ion Ratio Lower Upper
73 100
87 24.8 19.7 29.5
71 11.3 8.6 13.0



#34
Propionitrile
Concen: 8.759 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 54 Resp: 9911
Ion Ratio Lower Upper
54 100
52 20.8 15.8 23.6
55 19.9 12.5 18.7#
40 7.2 6.1 9.1





#35

Benzene

Concen: 1.909 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

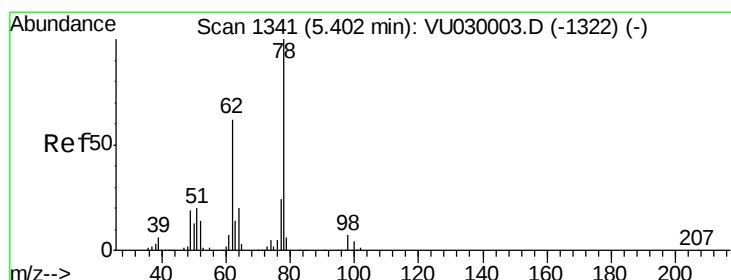
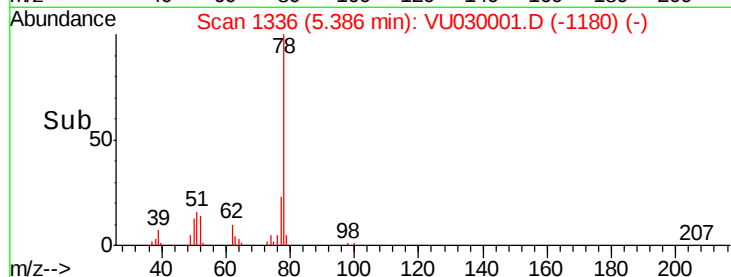
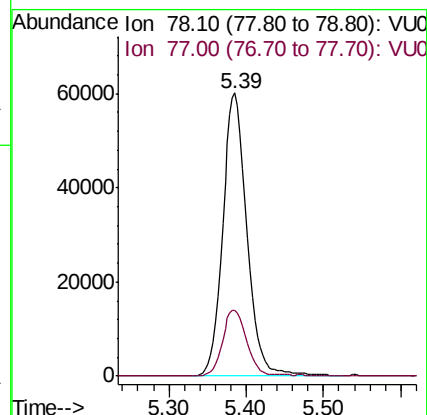
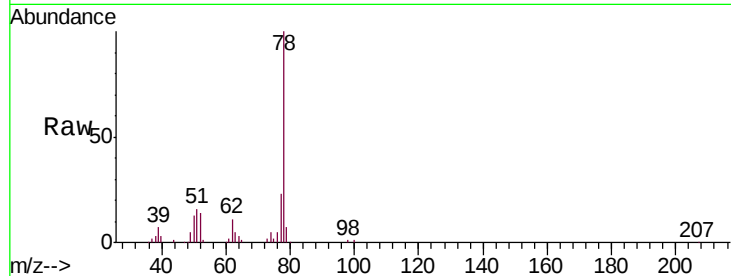
VSTDIC002

Tgt Ion: 78 Resp: 131289

Ion Ratio Lower Upper

78 100

77 23.2 18.9 28.3



#36

1,2-Dichloroethane

Concen: 1.853 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU030001.D

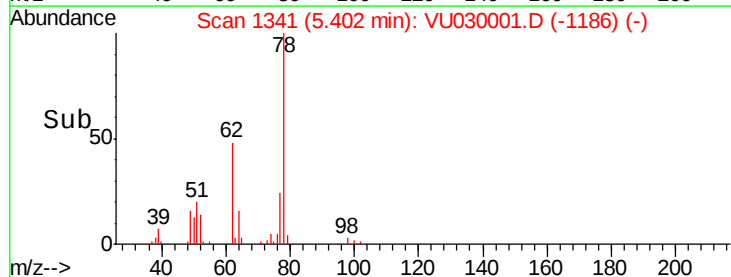
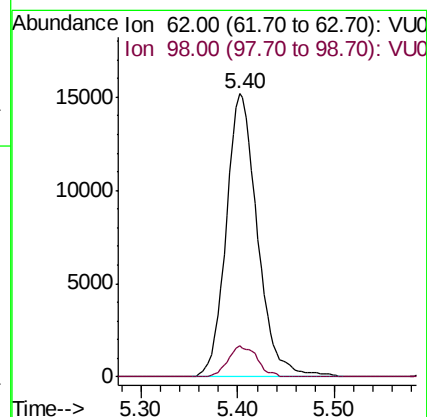
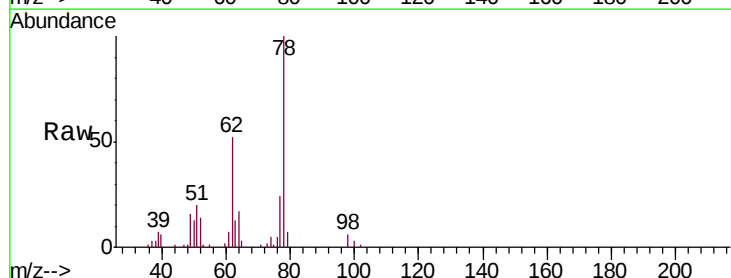
Acq: 12 Mar 2019 10:54

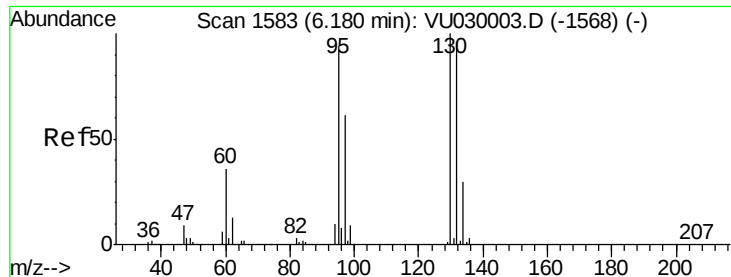
Tgt Ion: 62 Resp: 34067

Ion Ratio Lower Upper

62 100

98 10.1 8.4 12.6

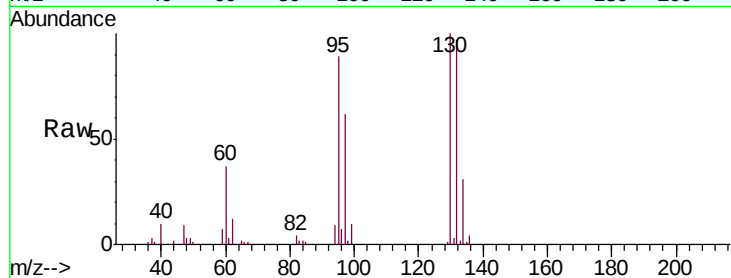




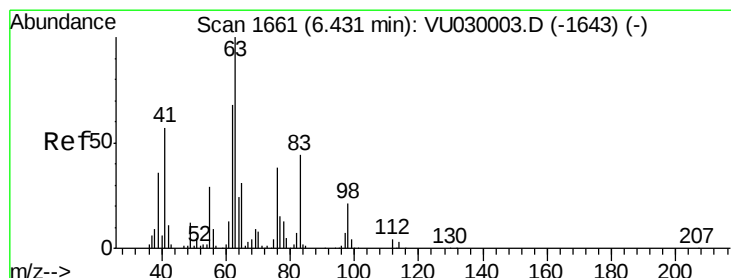
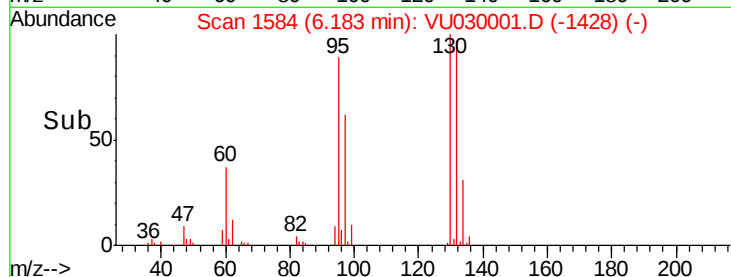
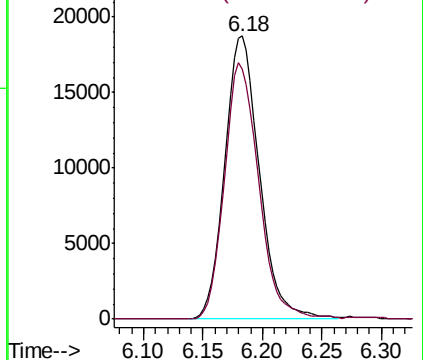
#37
 Trichloroethene
 Concen: 1.913 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion: 130 Resp: 37887
 Ion Ratio Lower Upper
 130 100
 95 88.6 75.2 112.8

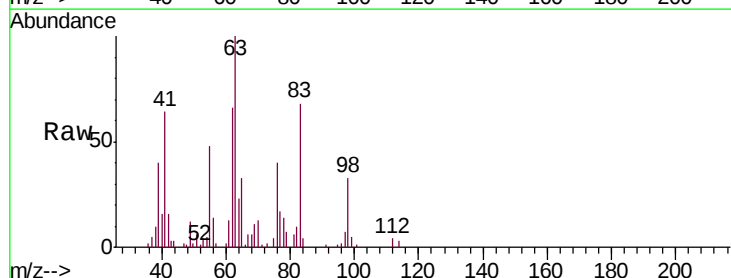


Abundance Ion 129.90 (129.60 to 130.60): VU030003.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030003.D (-1568) (-)

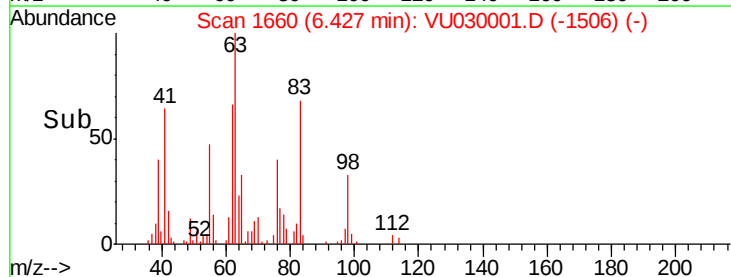
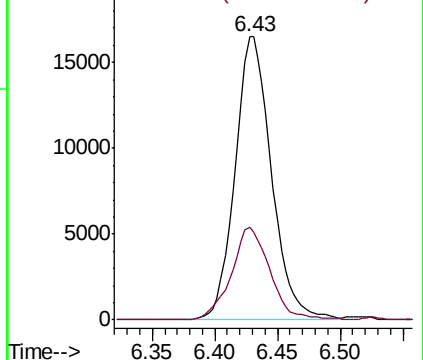


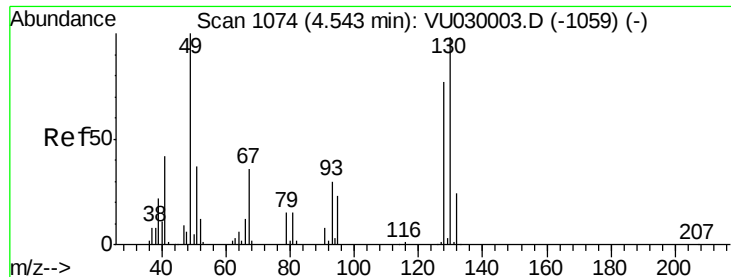
#38
 1,2-Dichloropropane
 Concen: 1.906 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 63 Resp: 33331
 Ion Ratio Lower Upper
 63 100
 65 32.8 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) (-)

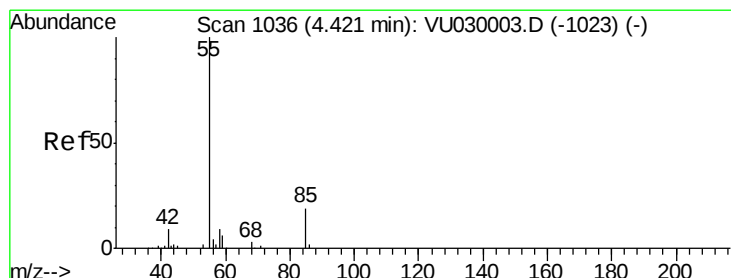
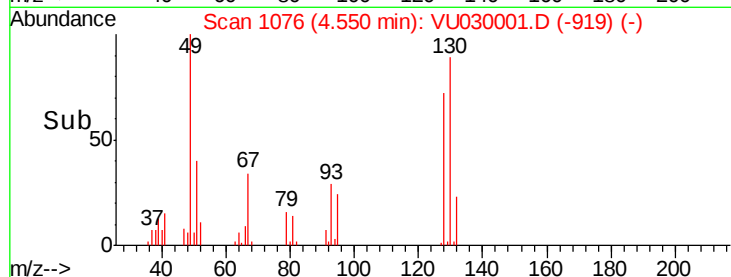
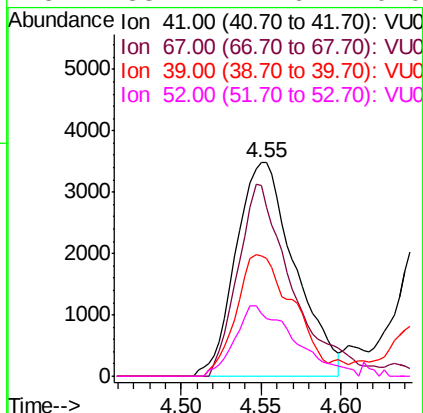
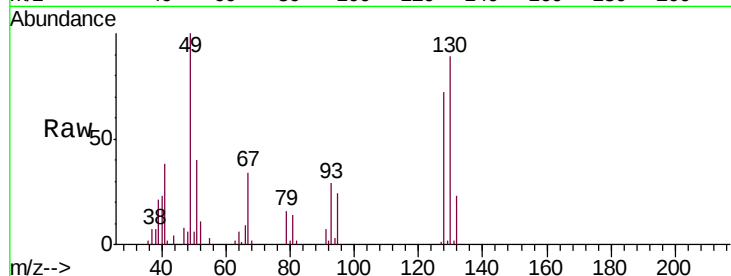




#39
Methacrylonitrile
Concen: 1.815 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

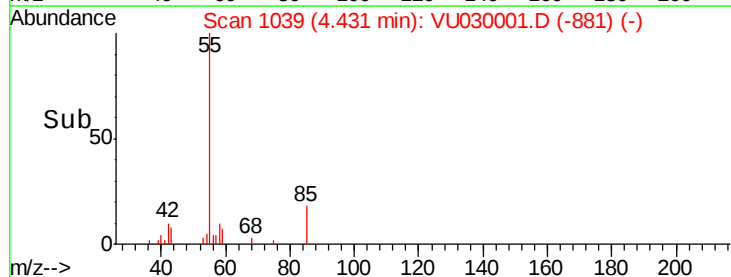
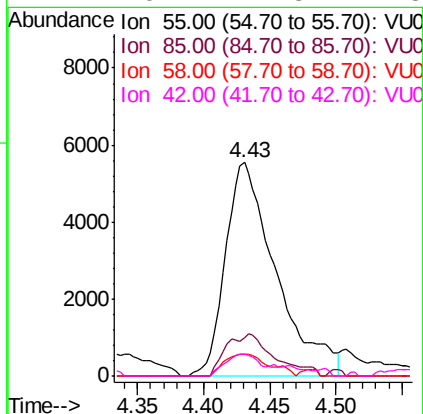
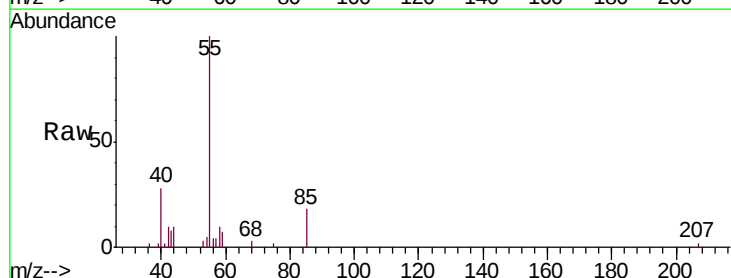
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

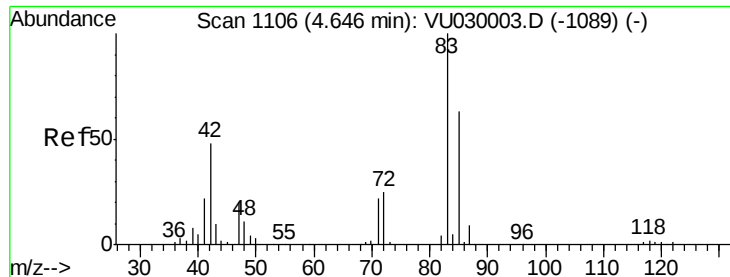
Tgt Ion: 41 Resp: 8798
Ion Ratio Lower Upper
41 100
67 83.3 71.4 107.0
39 54.6 41.9 62.9
52 33.2 12.6 19.0#



#40
Methyl acrylate
Concen: 1.923 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 55 Resp: 14731
Ion Ratio Lower Upper
55 100
85 18.6 16.2 24.2
58 9.0 7.0 10.6
42 6.7 7.8 11.8#

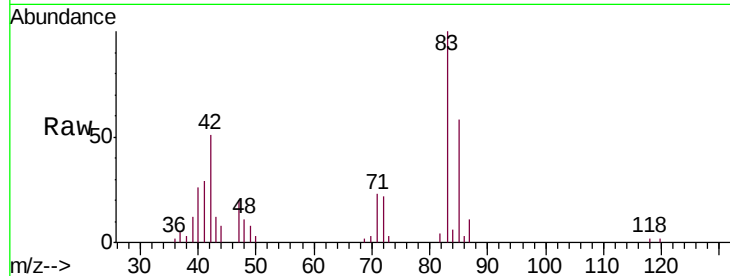




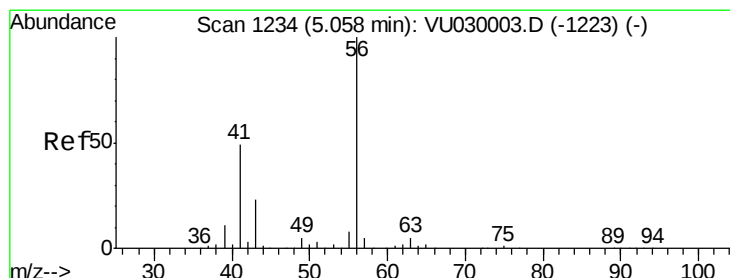
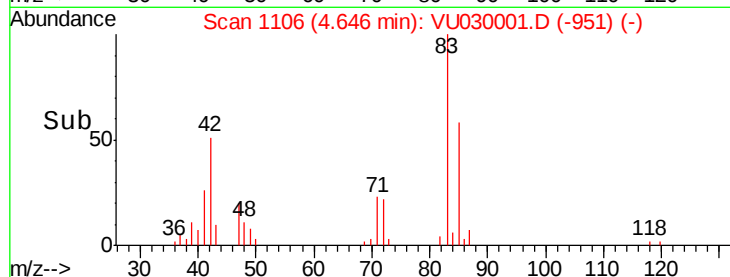
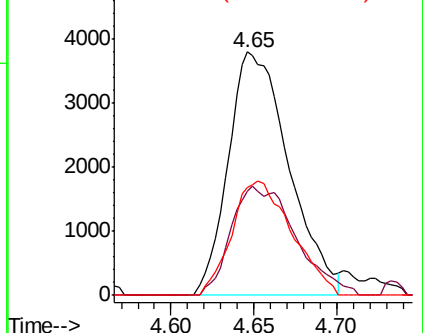
#41
Tetrahydrofuran
Concen: 3.612 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 42 Resp: 9686
Ion Ratio Lower Upper
42 100
72 47.9 44.9 67.3
71 46.3 37.8 56.8

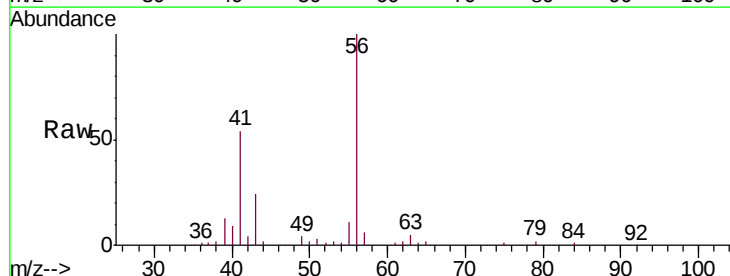


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

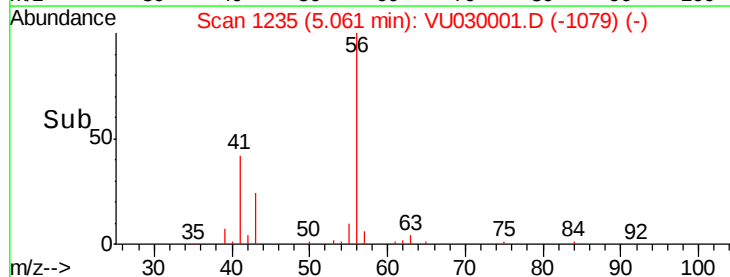
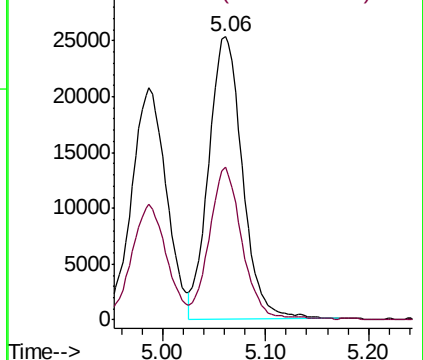


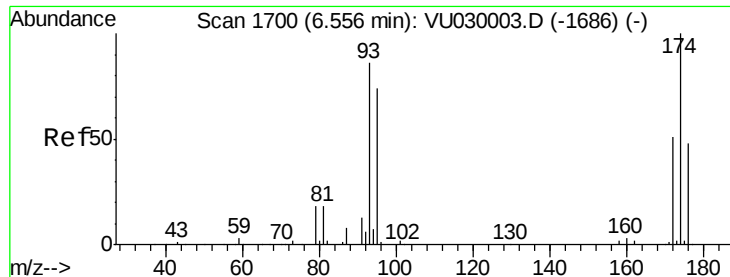
#42
1-Chlorobutane
Concen: 1.874 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 56 Resp: 57710
Ion Ratio Lower Upper
56 100
41 50.4 24.7 74.1



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





#43

Dibromomethane

Concen: 1.913 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

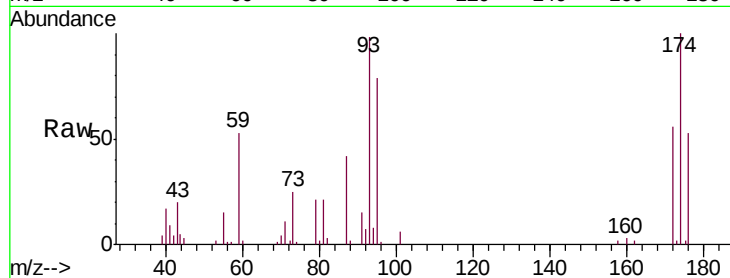
Tgt Ion: 93 Resp: 17301

Ion Ratio Lower Upper

93 100

95 79.3 68.6 102.8

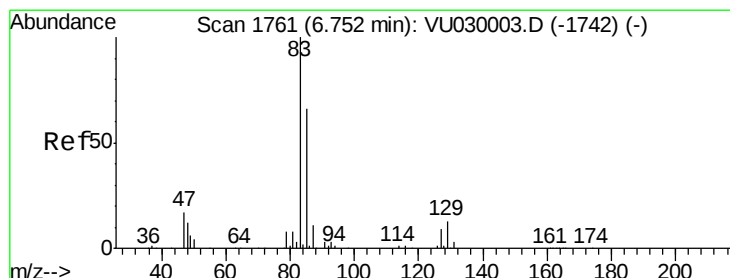
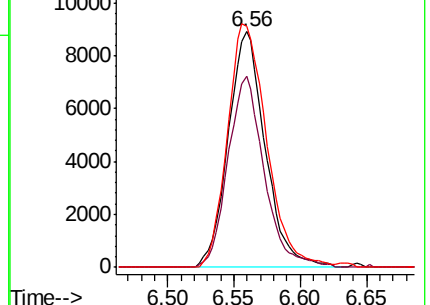
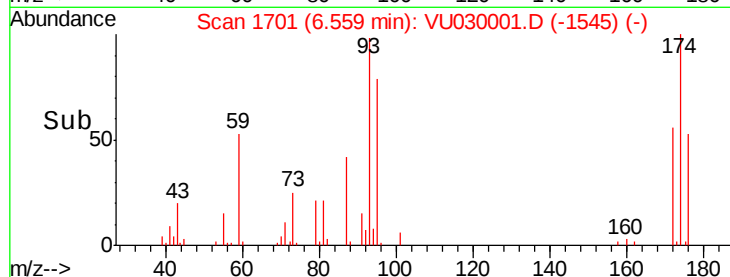
174 109.1 91.8 137.8



Abundance Ion 93.00 (92.70 to 93.70): VU030001.D (-1545) (-)

Ion 95.00 (94.70 to 95.70): VU030001.D (-1545) (-)

Ion 174.00 (173.70 to 174.70): VU030001.D (-1545) (-)



#44

Bromodichloromethane

Concen: 1.887 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

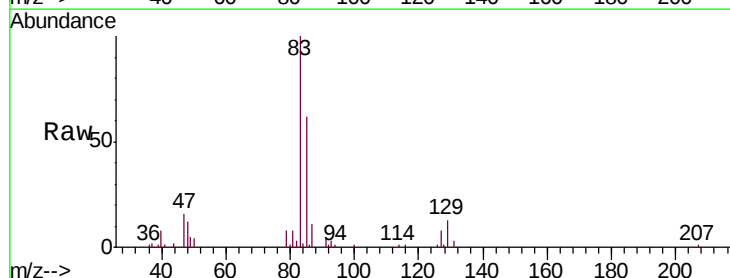
Tgt Ion: 83 Resp: 40726

Ion Ratio Lower Upper

83 100

85 62.4 53.2 79.8

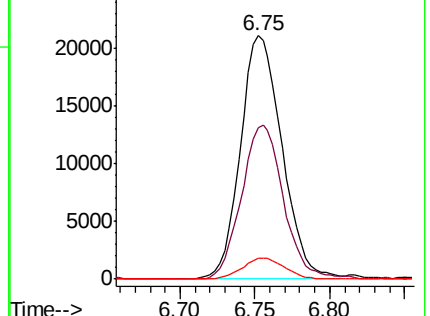
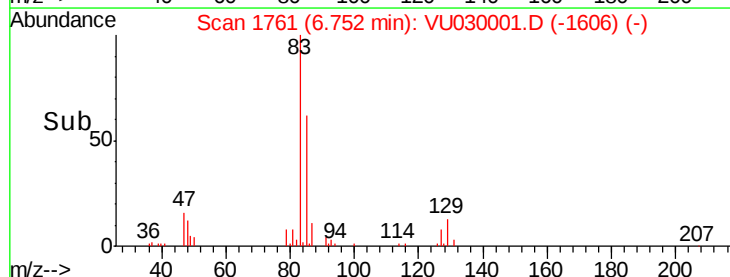
127 9.3 7.4 11.0

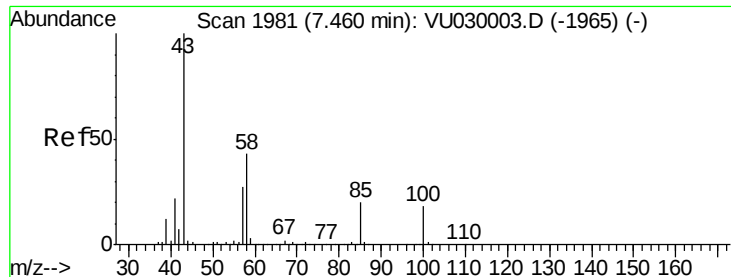


Abundance Ion 83.00 (82.70 to 83.70): VU030001.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VU030001.D (-1606) (-)

Ion 127.00 (126.70 to 127.70): VU030001.D (-1606) (-)

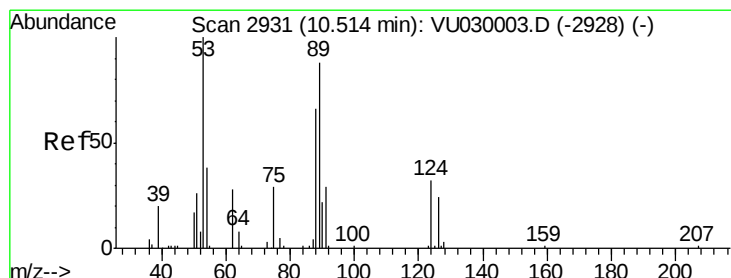
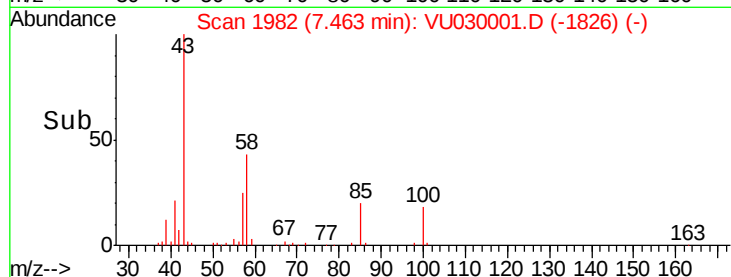
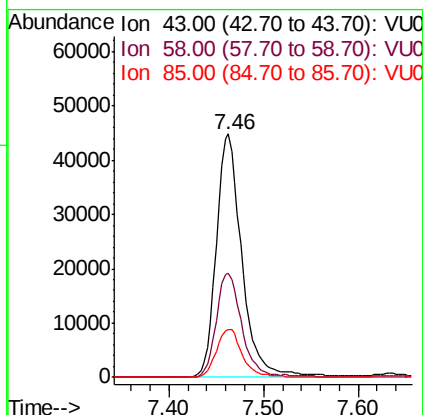
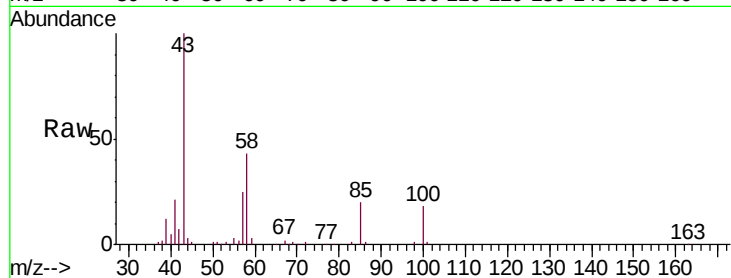




#45
4-Methyl-2-Pentanone
Concen: 9.433 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

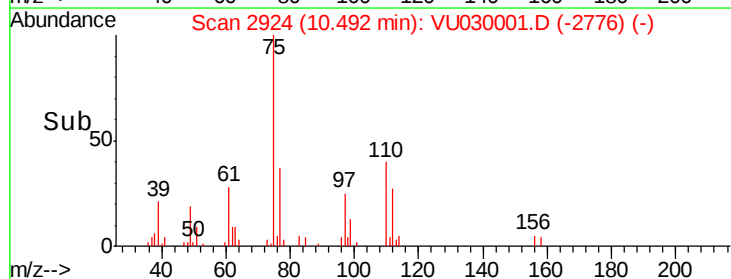
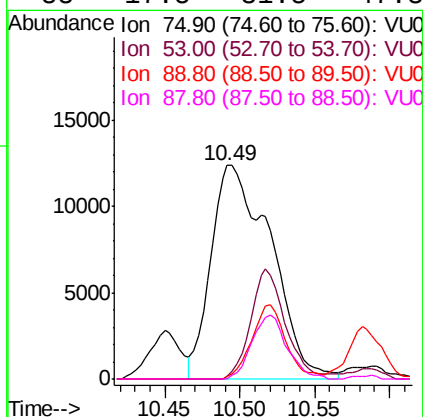
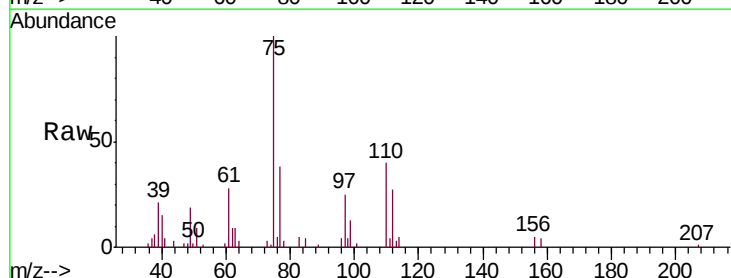
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

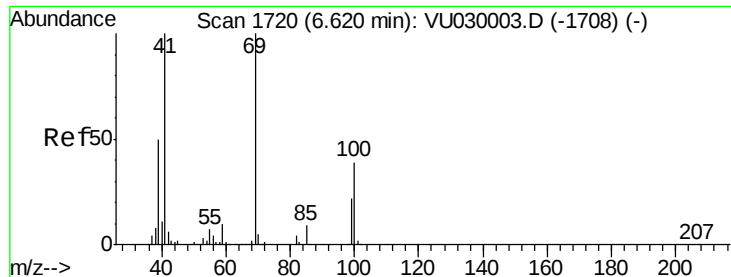
Tgt Ion: 43 Resp: 84297
Ion Ratio Lower Upper
43 100
58 42.9 21.6 64.6
85 19.9 16.3 24.5



#46
t-1,4-Dichloro-2-butene
Concen: 9.905 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 75 Resp: 34405
Ion Ratio Lower Upper
75 100
53 29.8 57.0 85.6#
89 19.9 43.6 65.4#
88 17.5 31.5 47.3#

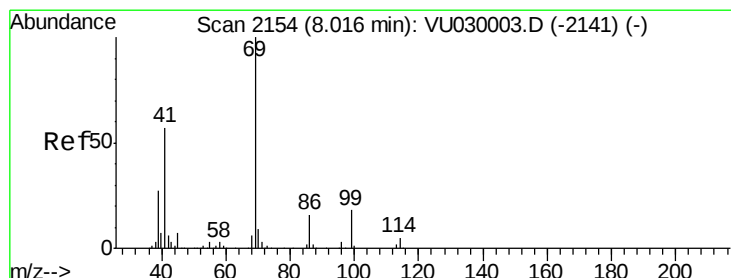
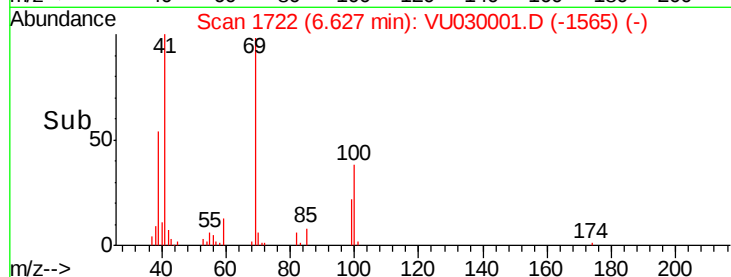
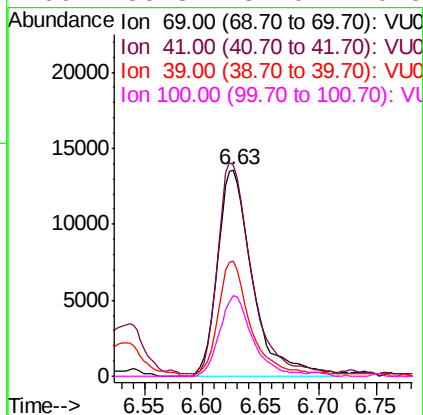
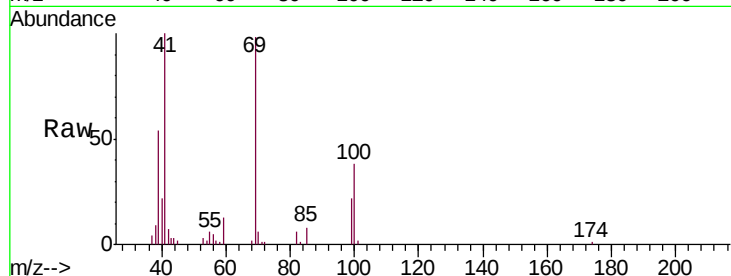




#47
Methyl methacrylate
Concen: 3.785 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

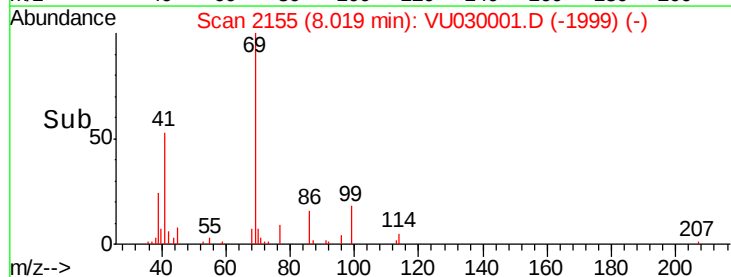
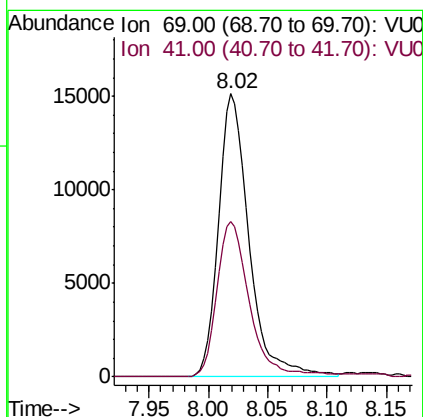
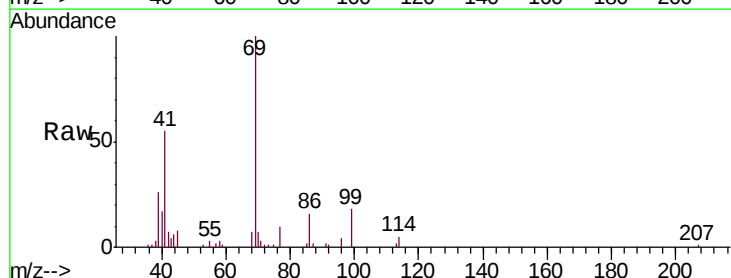
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

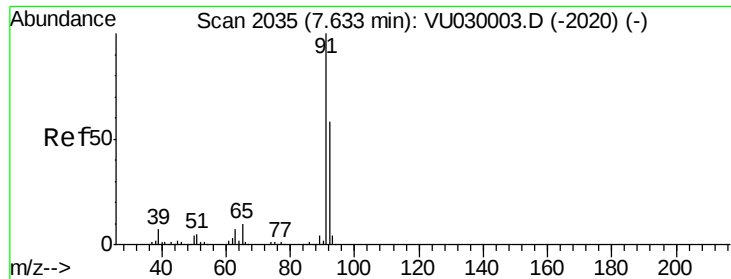
Tgt Ion: 69 Resp: 28685
Ion Ratio Lower Upper
69 100
41 97.9 0.0 197.8
39 51.6 40.2 60.4
100 36.8 31.0 46.6



#48
Ethyl methacrylate
Concen: 1.887 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 69 Resp: 26963
Ion Ratio Lower Upper
69 100
41 57.6 28.1 84.4





#49

Toluene

Concen: 1.922 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

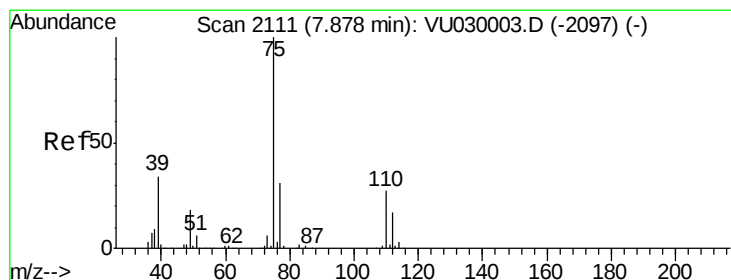
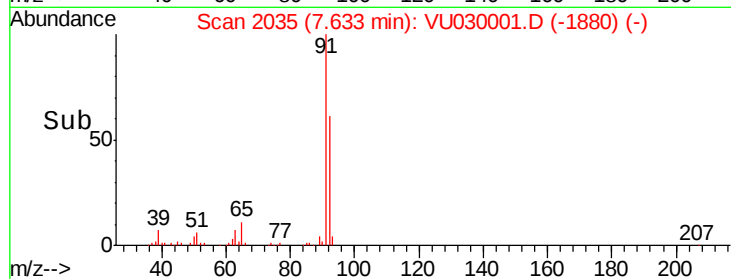
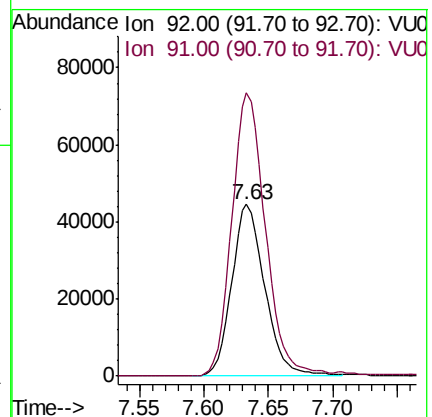
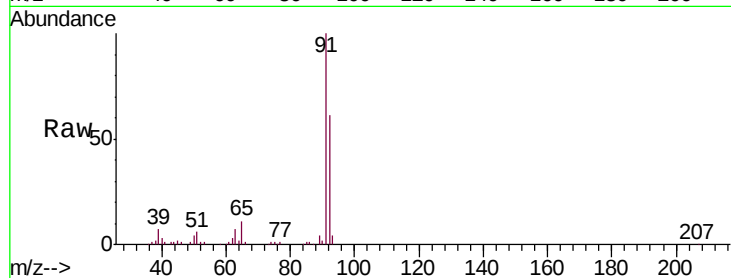
VSTDIC002

Tgt Ion: 92 Resp: 79650

Ion Ratio Lower Upper

92 100

91 167.1 140.1 210.1



#50

t-1,3-Dichloropropene

Concen: 1.884 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030001.D

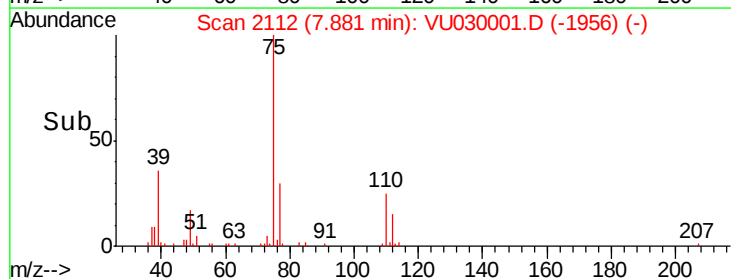
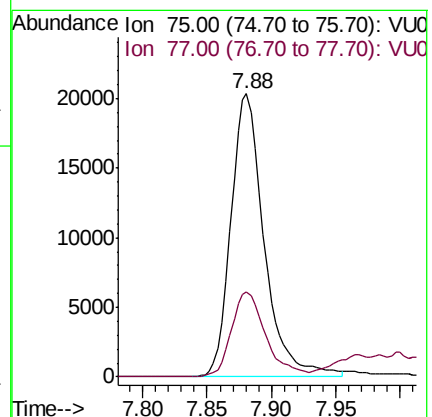
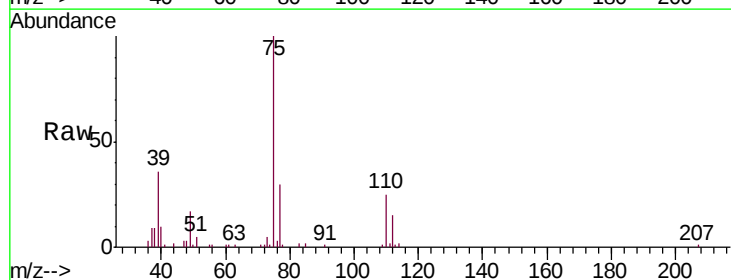
Acq: 12 Mar 2019 10:54

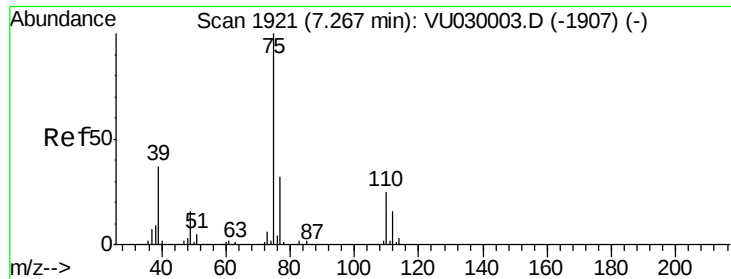
Tgt Ion: 75 Resp: 36407

Ion Ratio Lower Upper

75 100

77 30.0 25.1 37.7

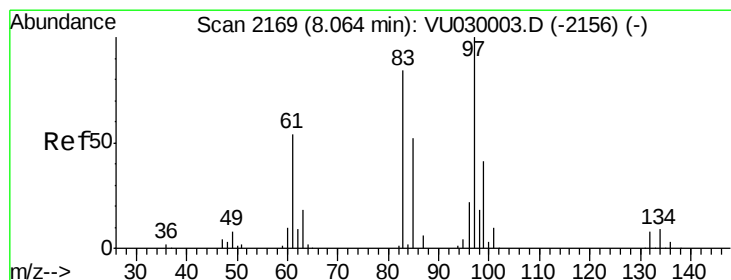
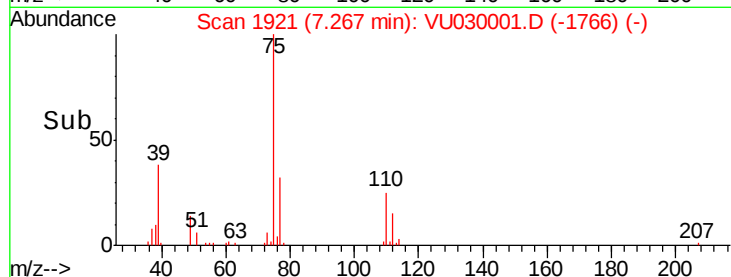
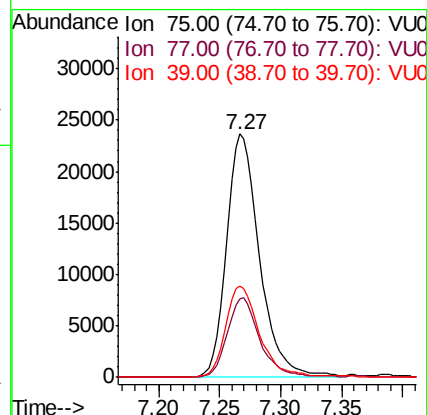
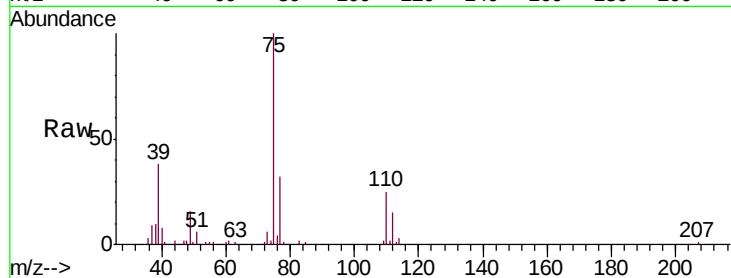




#51
 cis-1,3-Dichloropropene
 Concen: 1.849 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

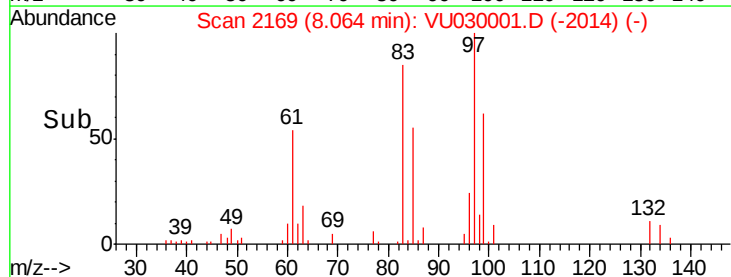
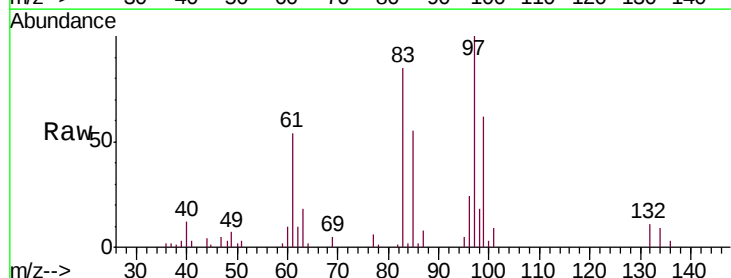
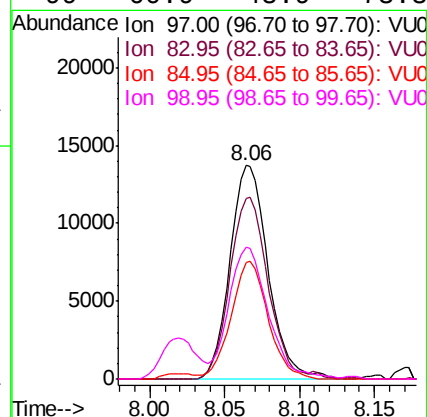
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

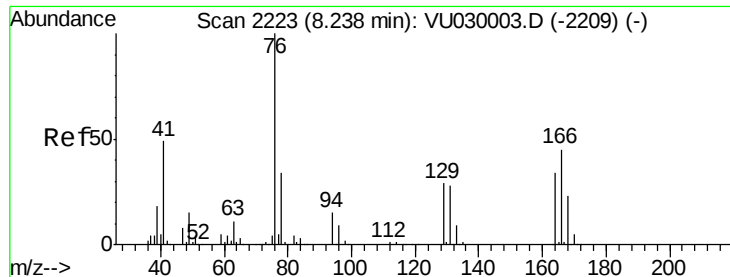
Tgt Ion: 75 Resp: 44920
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.0 39.0
 39 37.7 29.5 44.3



#52
 1,1,2-Trichloroethane
 Concen: 1.906 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 97 Resp: 24373
 Ion Ratio Lower Upper
 97 100
 83 84.7 67.4 101.0
 85 54.6 42.6 64.0
 99 60.9 48.9 73.3





#53

1,3-Dichloropropane

Concen: 1.896 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

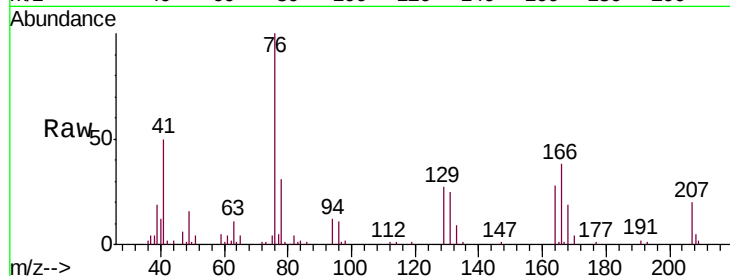
VSTDIC002

Tgt Ion: 76 Resp: 40551

Ion Ratio Lower Upper

76 100

78 31.9 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

25000

20000

15000

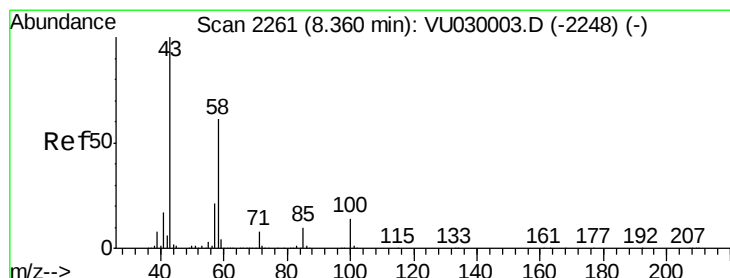
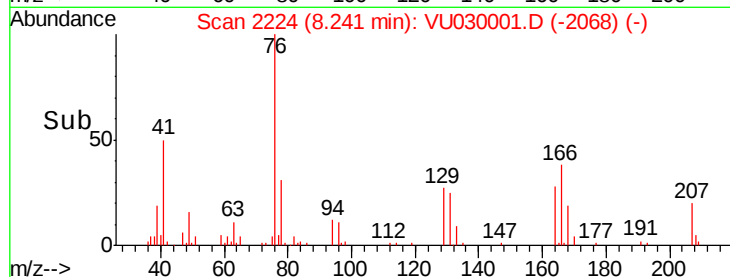
10000

5000

0

8.20 8.25 8.30

Time-->



#54

2-Hexanone

Concen: 9.236 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

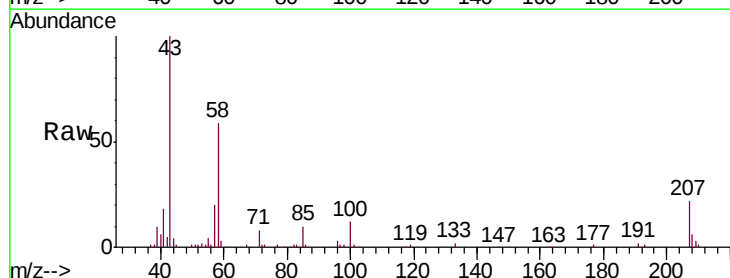
Tgt Ion: 43 Resp: 59472

Ion Ratio Lower Upper

43 100

58 58.9 40.3 80.3

57 19.3 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

40000

30000

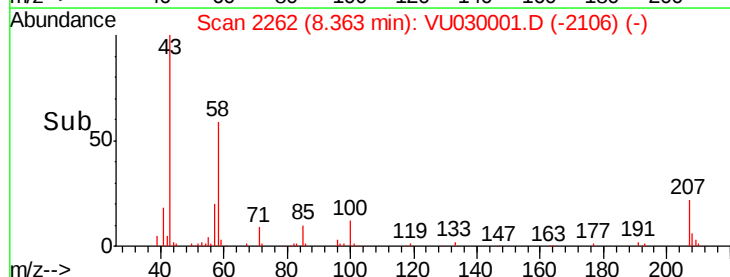
20000

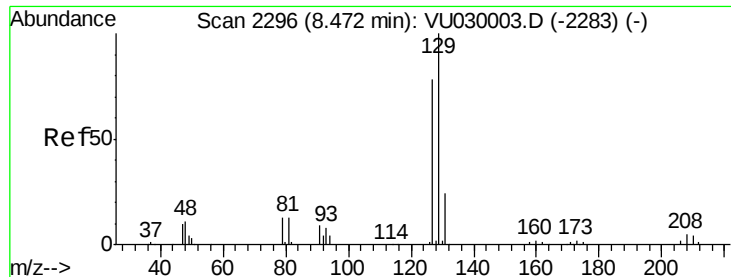
10000

0

8.30 8.40 8.50

Time-->





#55

Dibromochloromethane

Concen: 1.832 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

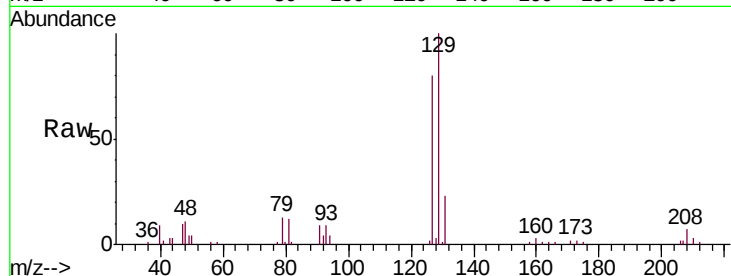
VSTDIC002

Tgt Ion:129 Resp: 28183

Ion Ratio Lower Upper

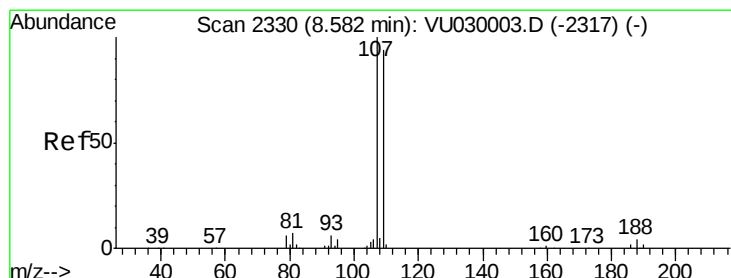
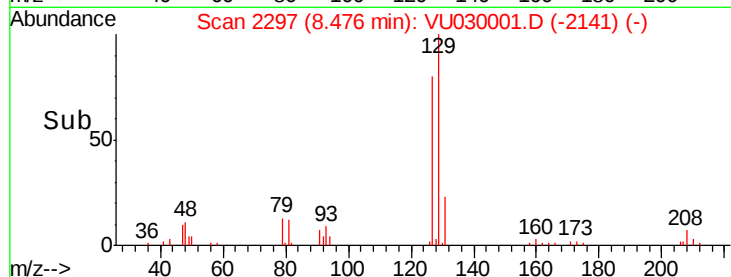
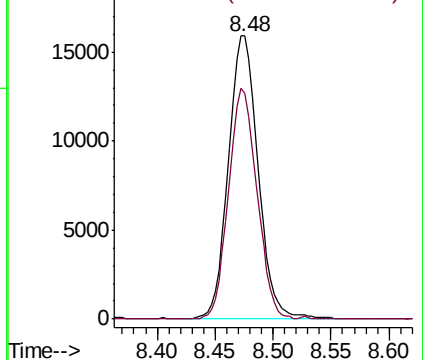
129 100

127 77.6 62.4 93.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.868 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU030001.D

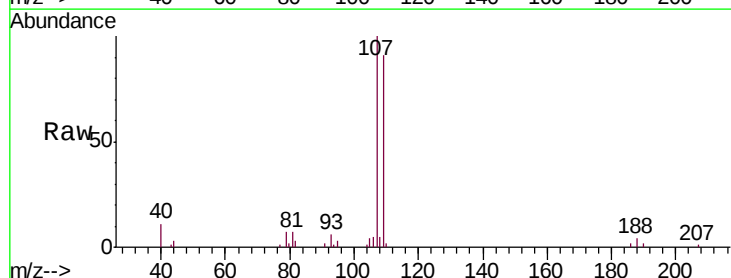
Acq: 12 Mar 2019 10:54

Tgt Ion:107 Resp: 22994

Ion Ratio Lower Upper

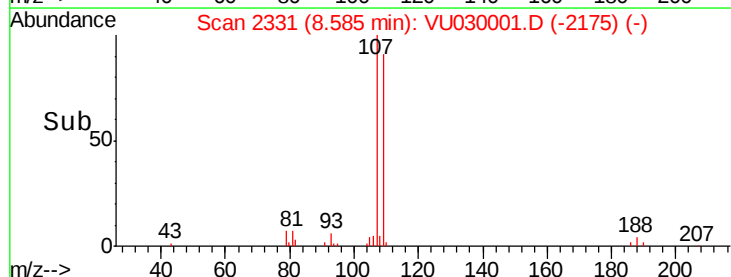
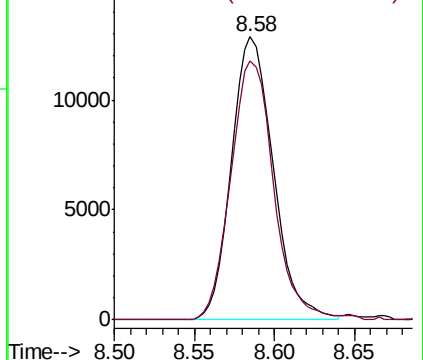
107 100

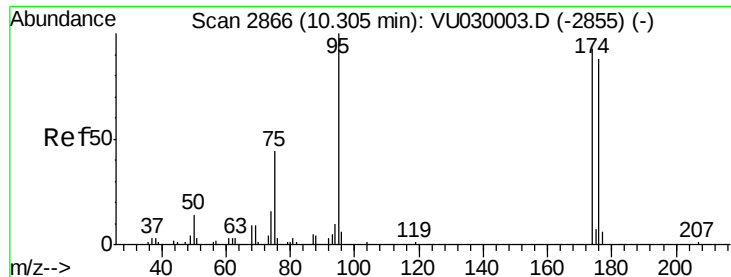
109 94.0 0.0 186.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

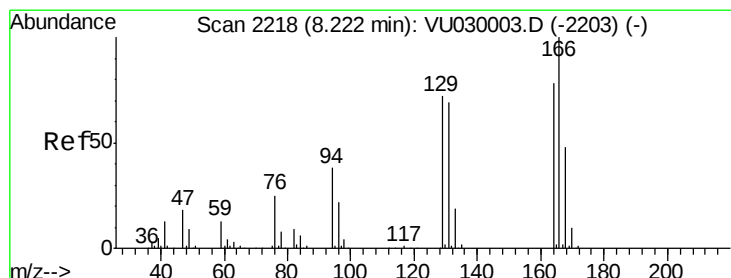
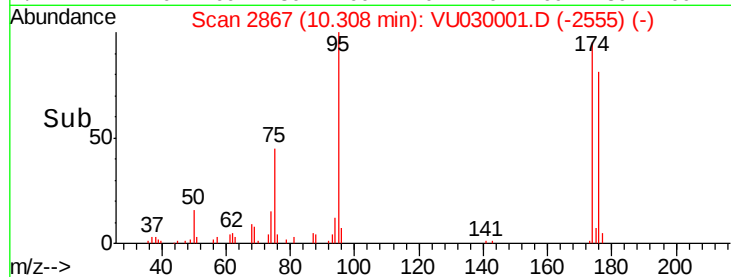
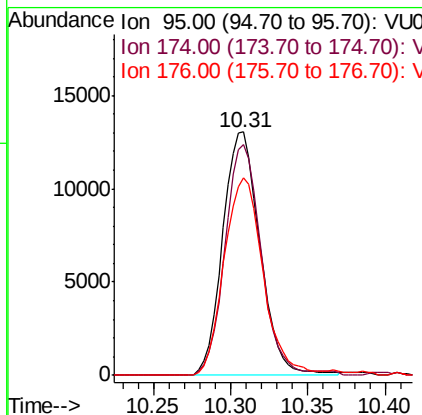
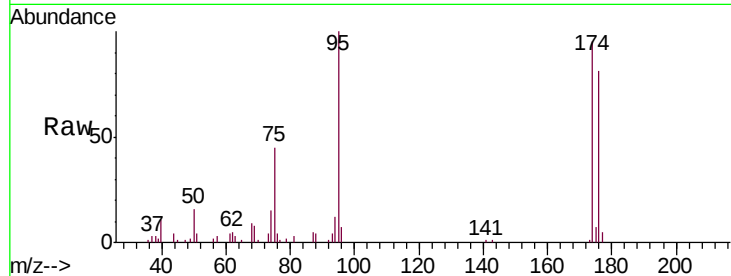




#57
4-Bromofluorobenzene
Concen: 1.868 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

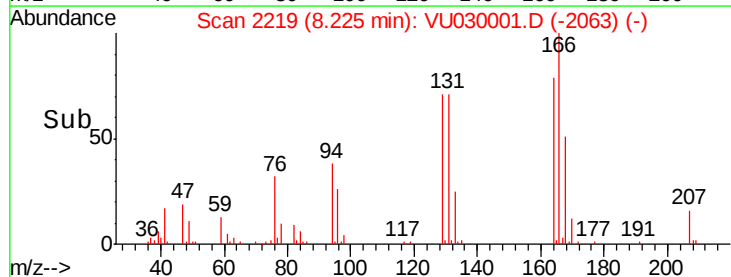
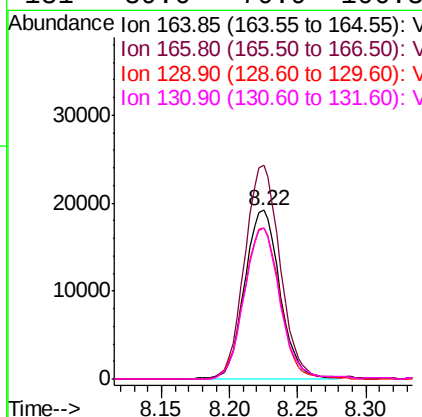
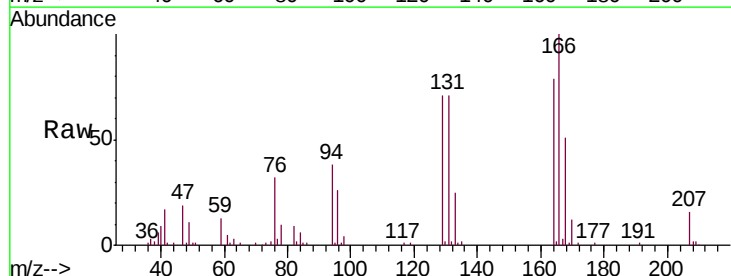
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

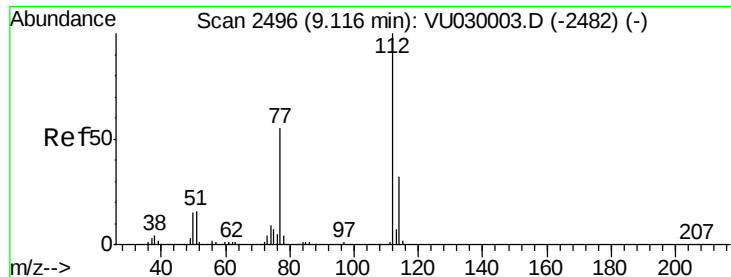
Tgt Ion: 95 Resp: 21806
Ion Ratio Lower Upper
95 100
174 92.6 78.1 117.1
176 84.9 70.8 106.2



#58
Tetrachloroethene
Concen: 1.917 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 164 Resp: 34482
Ion Ratio Lower Upper
164 100
166 126.8 103.2 154.8
129 89.5 74.5 111.7
131 89.6 70.9 106.3





#59

Chlorobenzene

Concen: 1.884 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

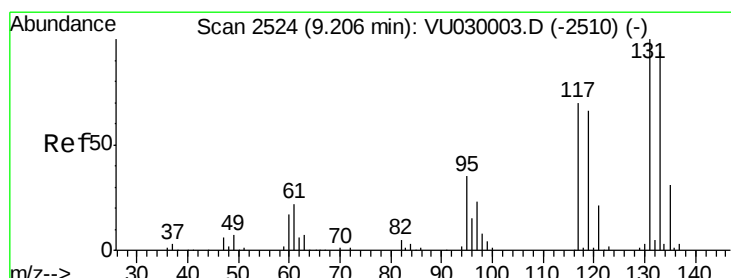
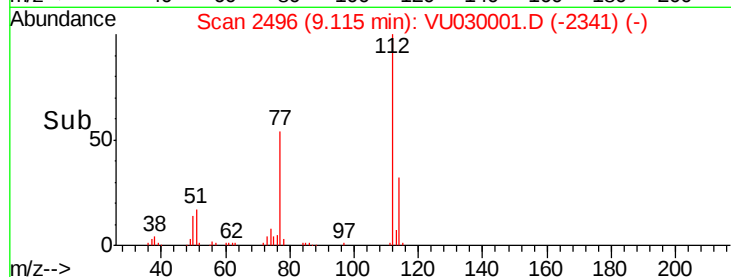
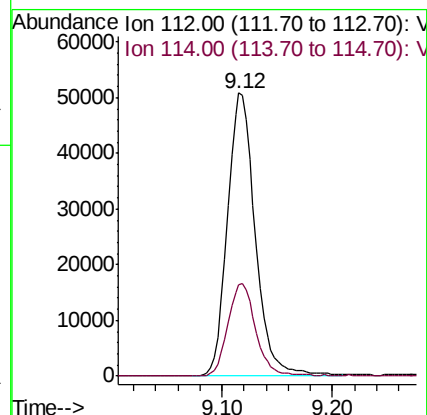
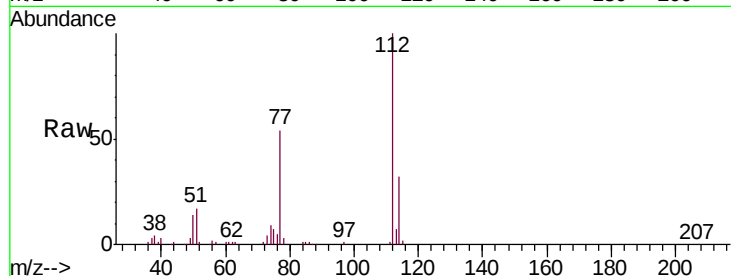
VSTDIC002

Tgt Ion:112 Resp: 89216

Ion Ratio Lower Upper

112 100

114 32.5 25.6 38.4



#60

1,1,1,2-Tetrachloroethane

Concen: 1.832 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

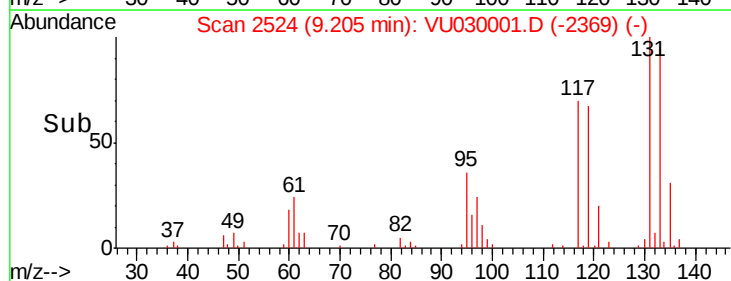
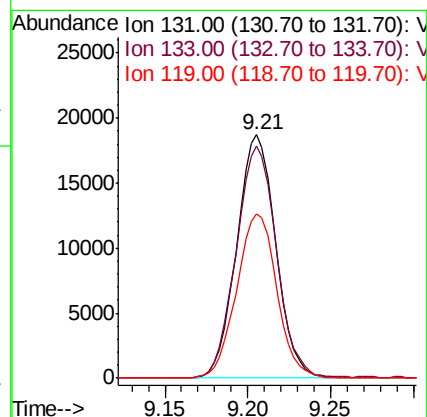
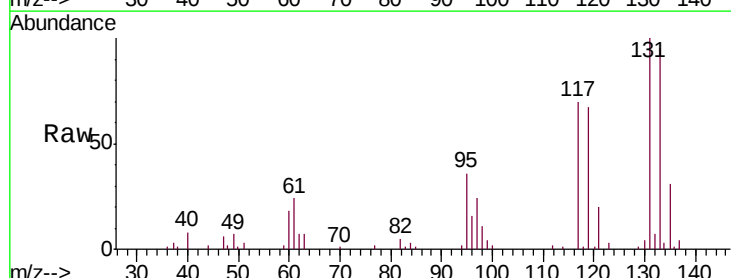
Tgt Ion:131 Resp: 30644

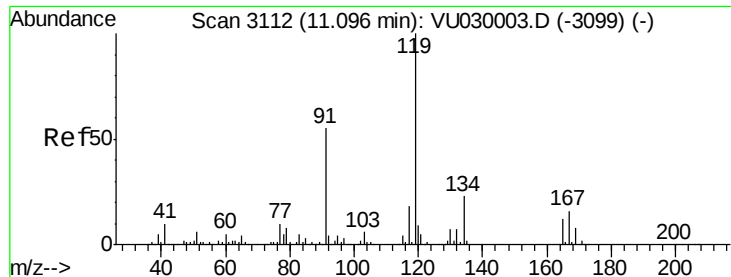
Ion Ratio Lower Upper

131 100

133 98.1 75.6 113.4

119 69.1 53.3 79.9

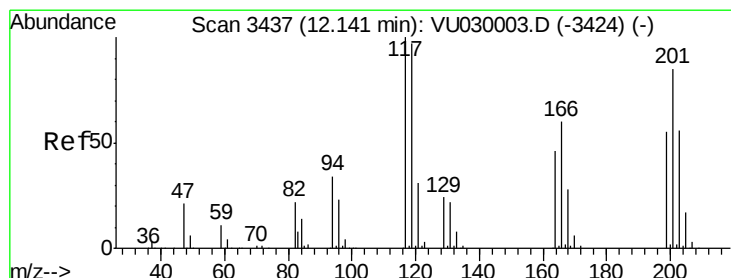
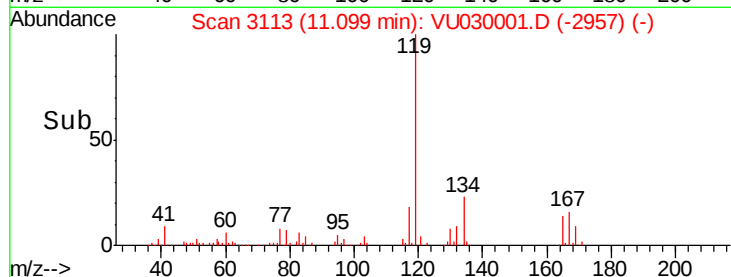
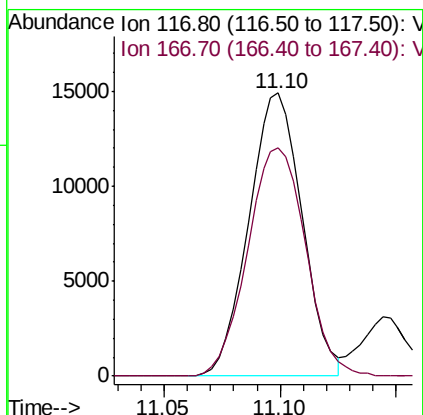
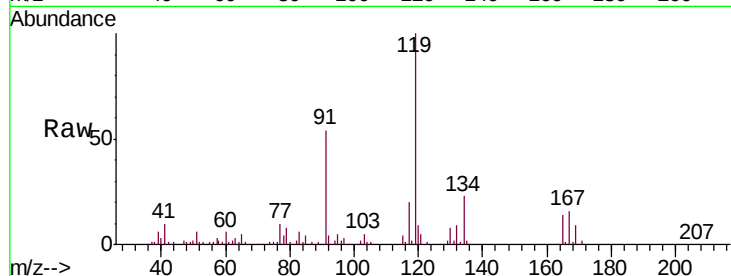




#61
 Pentachloroethane
 Concen: 1.842 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

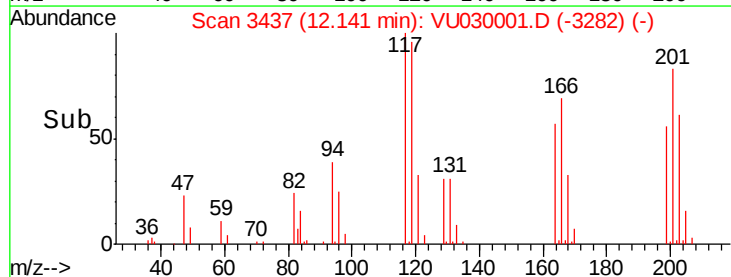
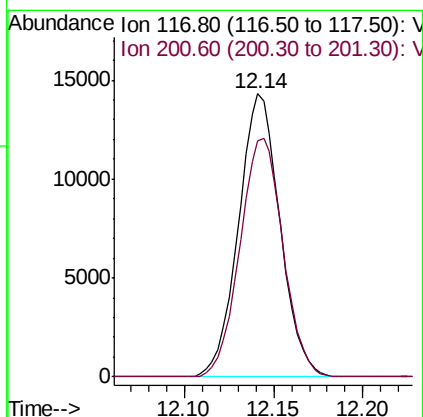
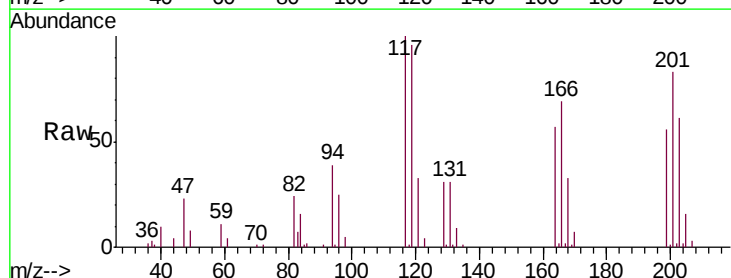
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

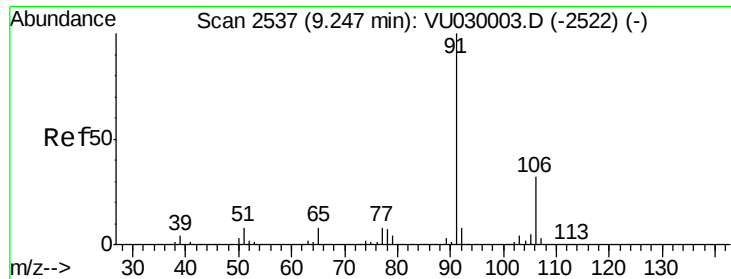
Tgt Ion:117 Resp: 23773
 Ion Ratio Lower Upper
 117 100
 167 87.7 73.1 109.7



#62
 Hexachloroethane
 Concen: 1.788 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion:117 Resp: 23258
 Ion Ratio Lower Upper
 117 100
 201 87.4 69.5 104.3

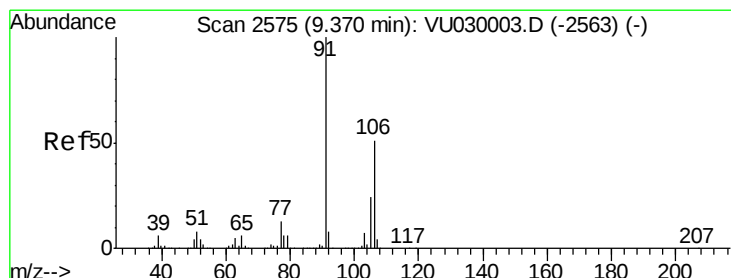
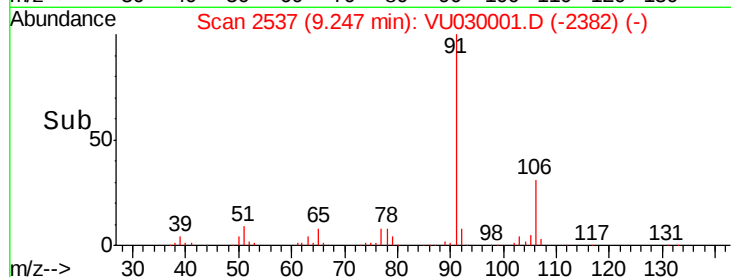
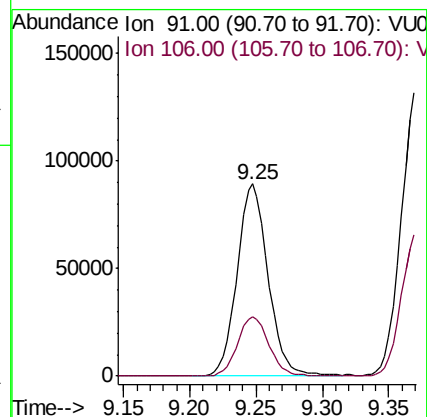
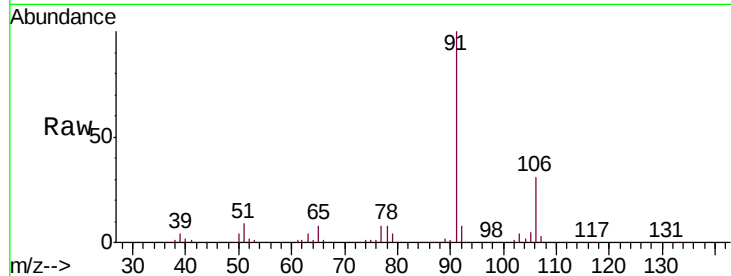




#63
Ethyl Benzene
Concen: 1.868 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

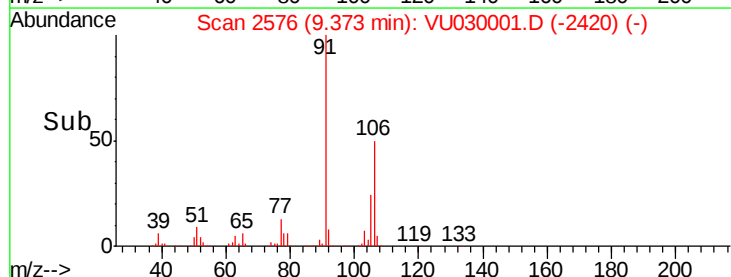
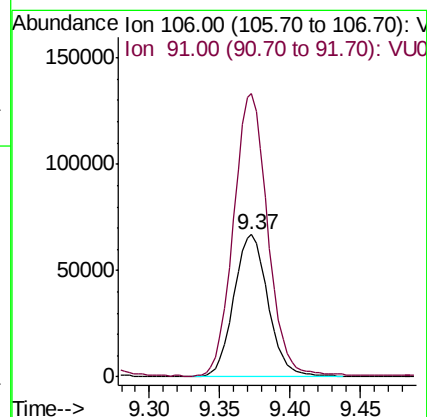
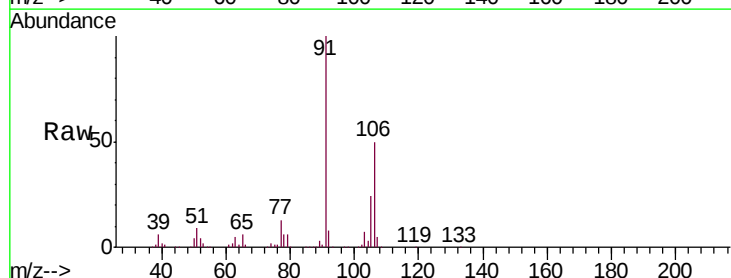
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

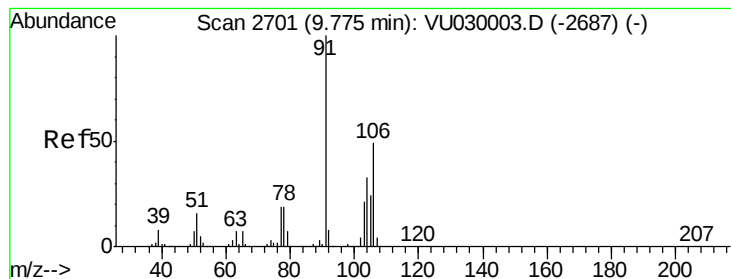
Tgt Ion: 91 Resp: 145244
Ion Ratio Lower Upper
91 100
106 30.9 25.7 38.5



#64
m/p-Xylenes
Concen: 3.704 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 106 Resp: 113346
Ion Ratio Lower Upper
106 100
91 198.8 157.9 236.9





#65

o-Xylene

Concen: 1.856 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

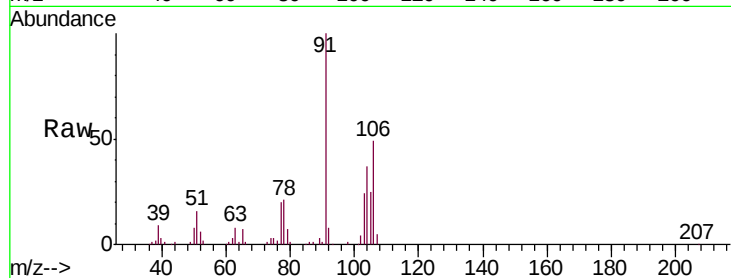
VSTDIC002

Tgt Ion:106 Resp: 55697

Ion Ratio Lower Upper

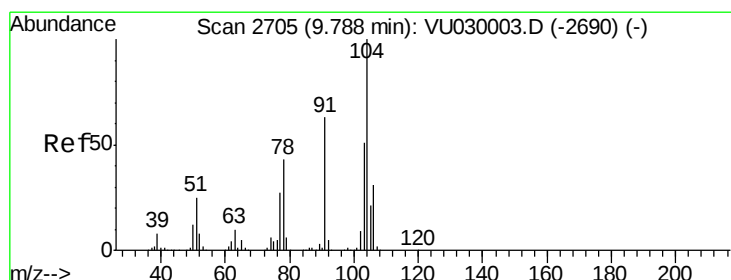
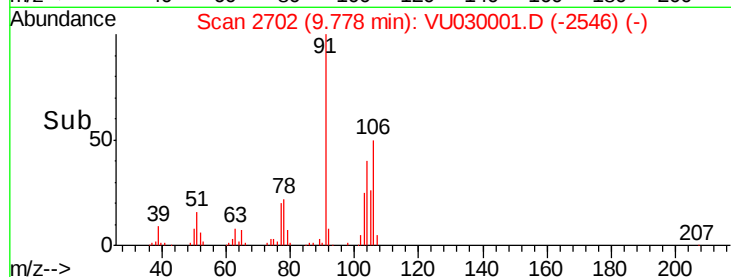
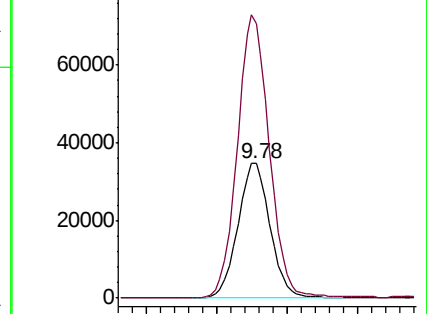
106 100

91 207.2 103.2 309.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.840 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

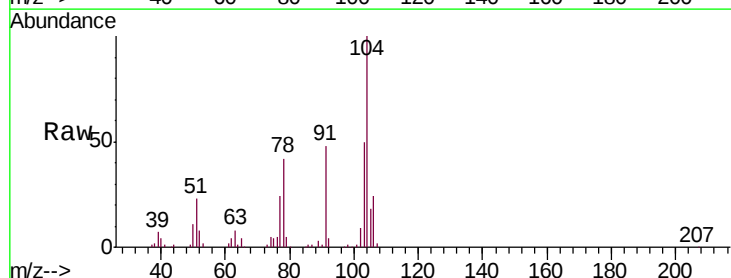
Tgt Ion:104 Resp: 90513

Ion Ratio Lower Upper

104 100

78 47.1 37.0 55.4

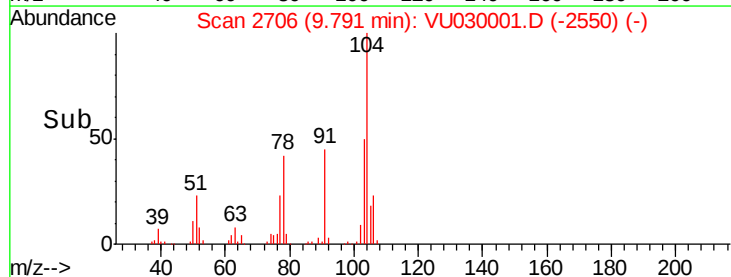
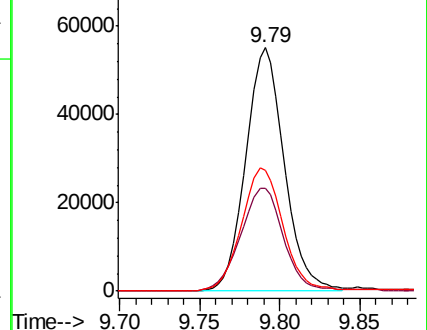
103 54.6 43.8 65.6

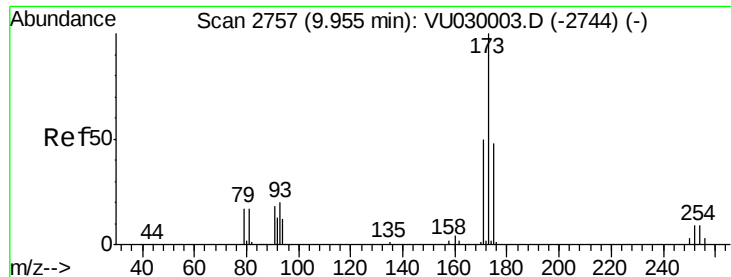


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.803 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

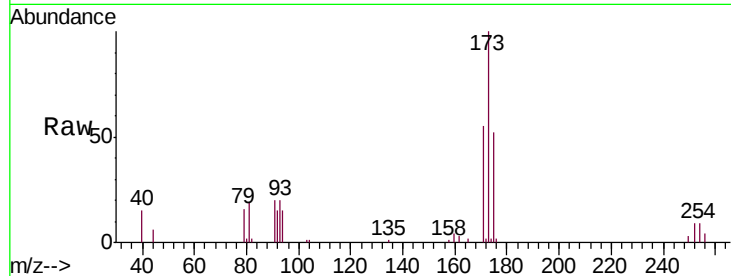
Tgt Ion:173 Resp: 15851

Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.4

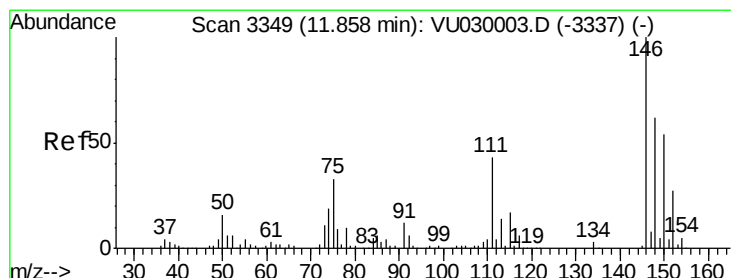
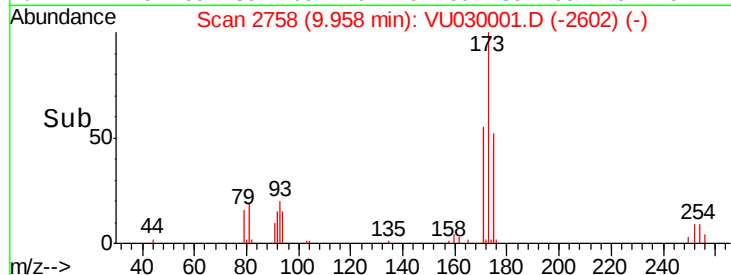
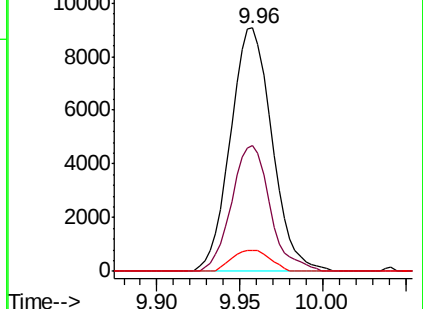
254 7.9 7.0 10.4



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: 1.803 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

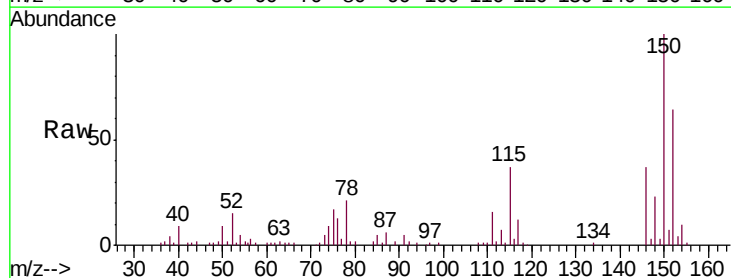
Tgt Ion:152 Resp: 25237

Ion Ratio Lower Upper

152 100

115 68.3 0.0 126.8

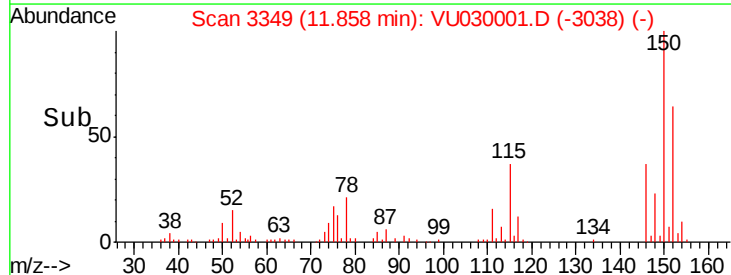
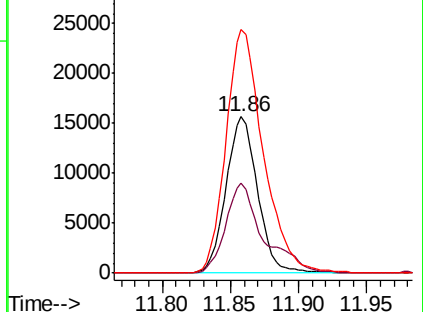
150 183.7 0.0 634.2

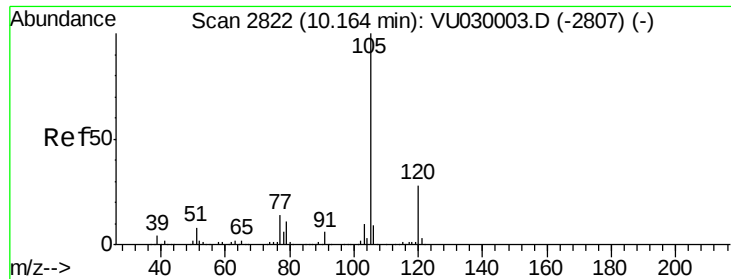


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.871 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

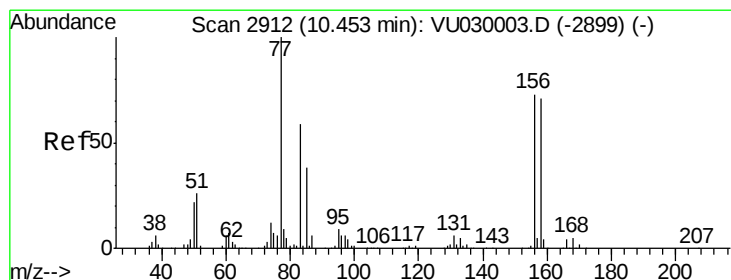
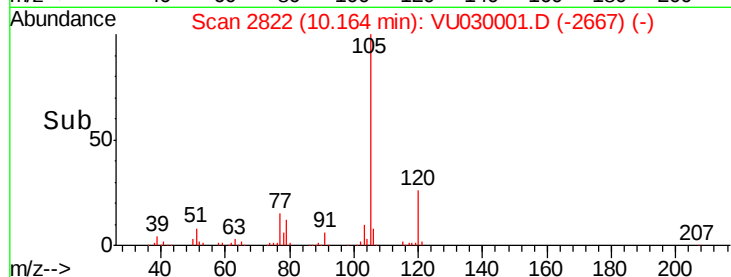
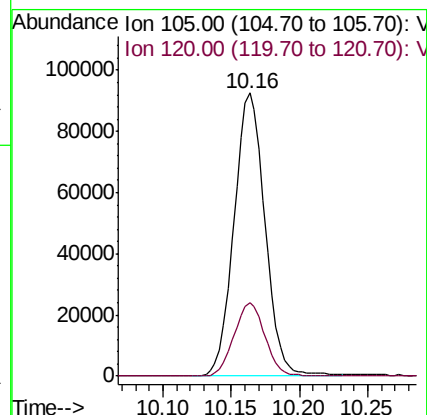
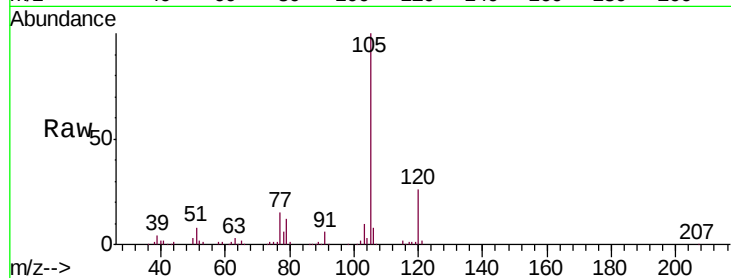
VSTDIC002

Tgt Ion:105 Resp: 146402

Ion Ratio Lower Upper

105 100

120 25.8 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 1.911 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

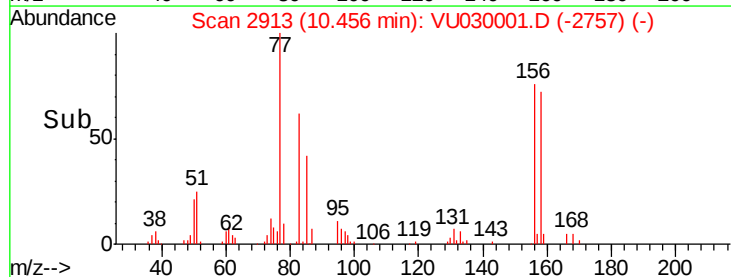
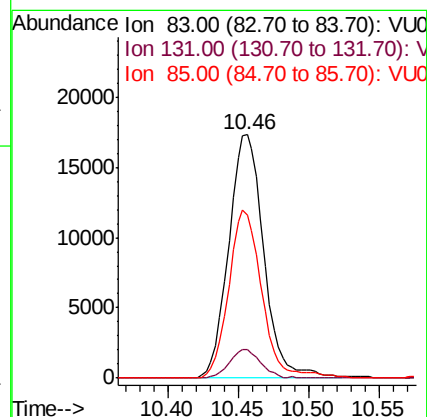
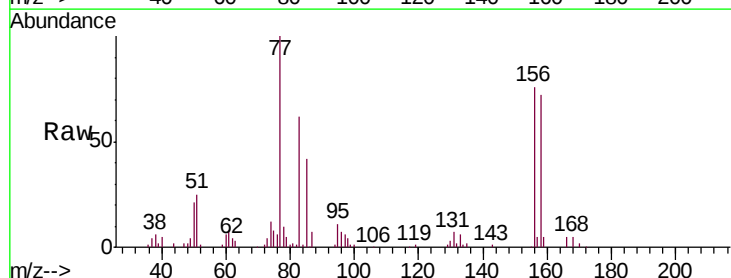
Tgt Ion: 83 Resp: 30119

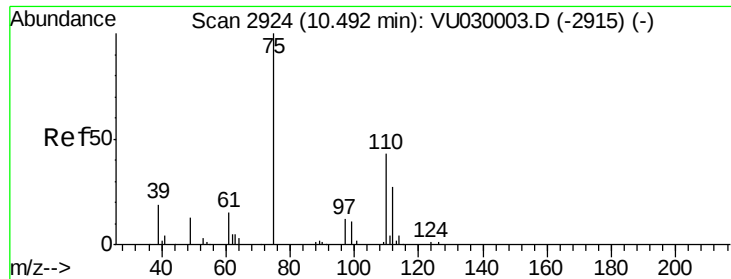
Ion Ratio Lower Upper

83 100

131 10.3 8.4 12.6

85 65.4 52.6 78.8

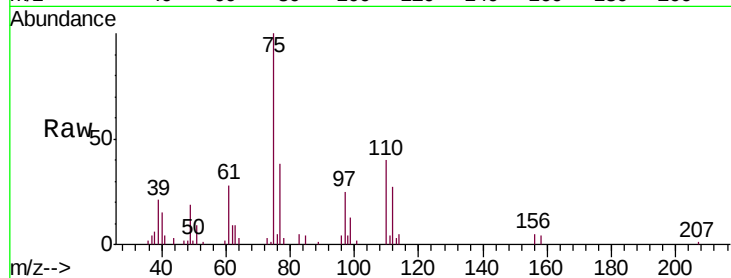




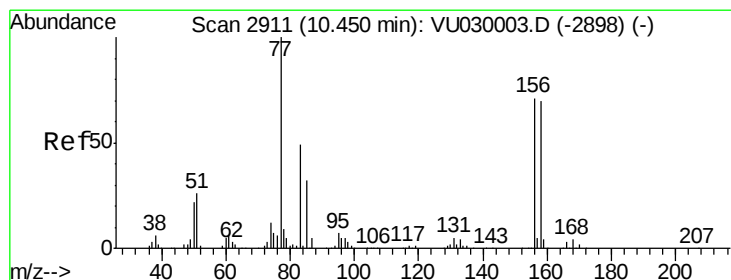
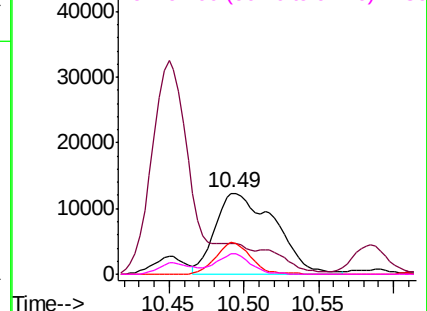
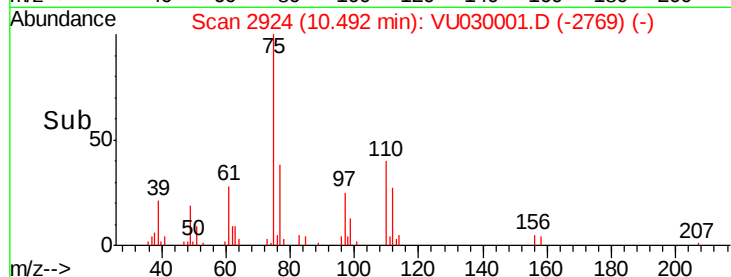
#71
1,2,3-Trichloropropane
Concen: 2.941 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:	75	Resp:	34405
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.8
110	22.9	0.0	76.8
97	14.2	0.0	40.8

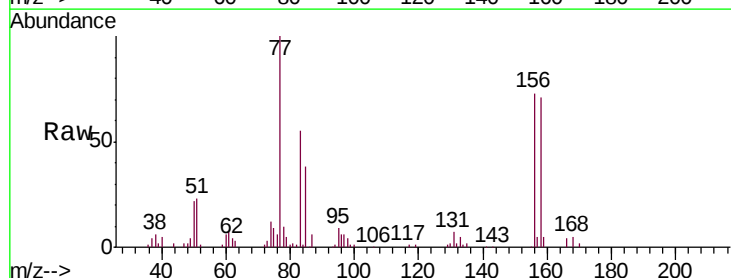


Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 110.00 (109.70 to 110.70): V
Ion 97.00 (96.70 to 97.70): VU0

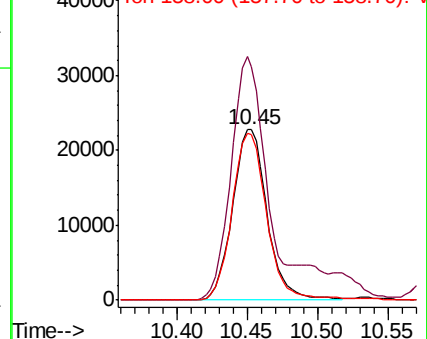
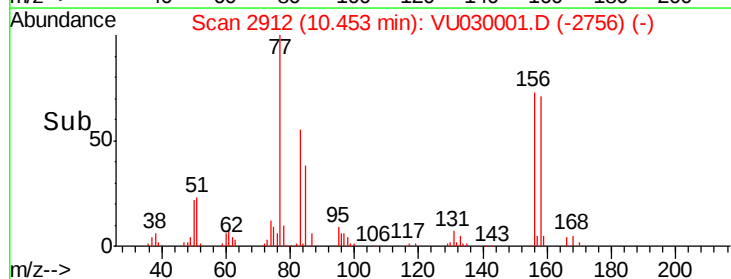


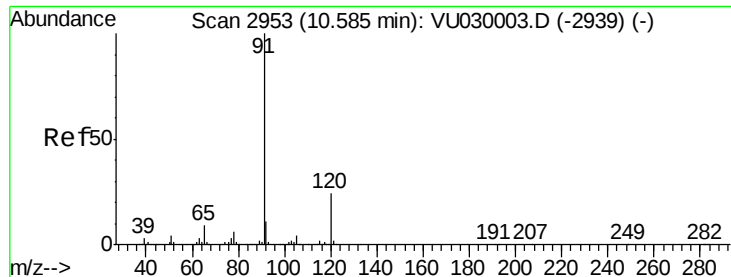
#72
Bromobenzene
Concen: 1.904 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion:	156	Resp:	39063
Ion	Ratio	Lower	Upper
156	100		
77	142.3	0.0	278.6
158	97.9	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: 1.909 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

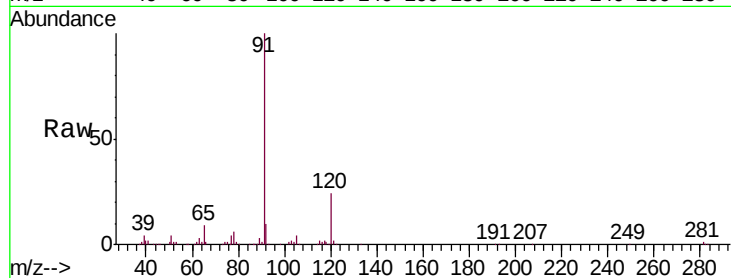
VSTDIC002

Tgt Ion:120 Resp: 42377

Ion Ratio Lower Upper

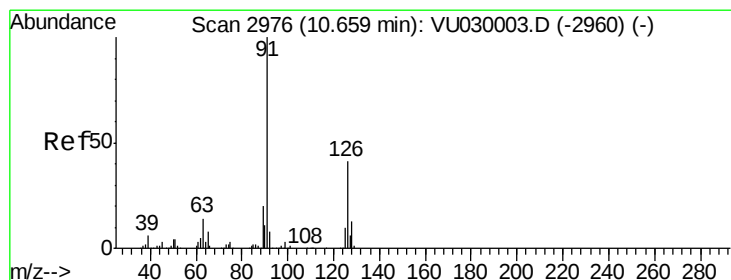
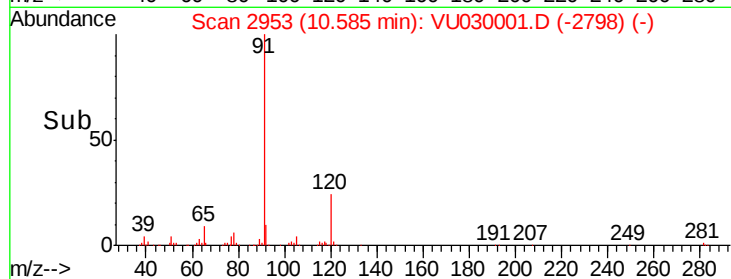
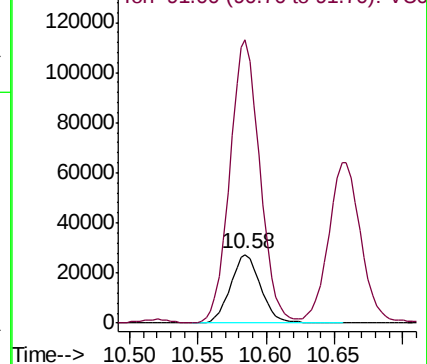
120 100

91 406.5 335.4 503.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.899 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU030001.D

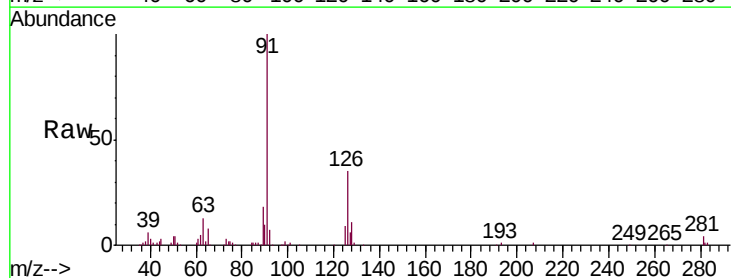
Acq: 12 Mar 2019 10:54

Tgt Ion:126 Resp: 36921

Ion Ratio Lower Upper

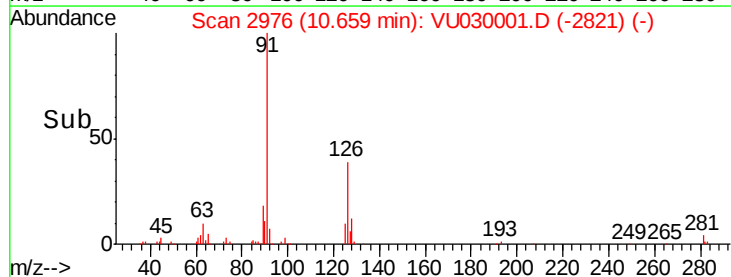
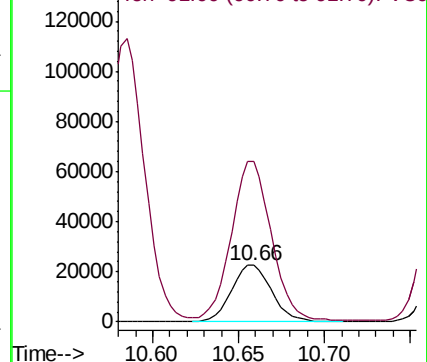
126 100

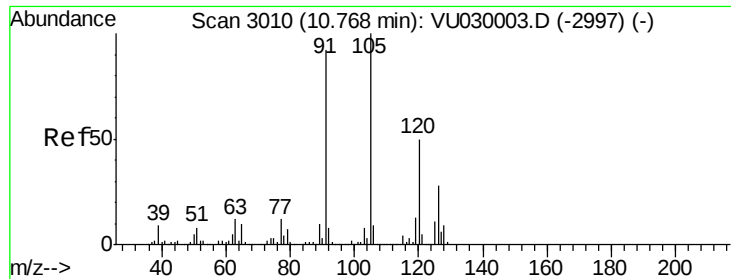
91 278.0 0.0 561.0



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: 1.884 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

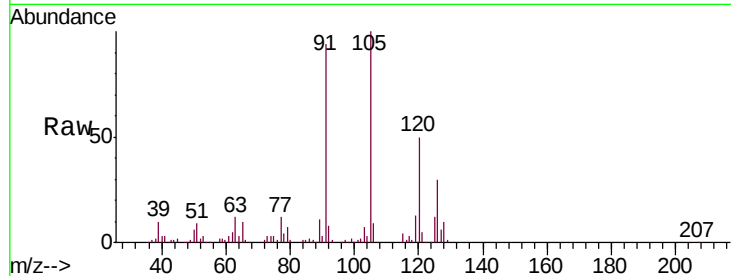
VSTDIC002

Tgt Ion:105 Resp: 125572

Ion Ratio Lower Upper

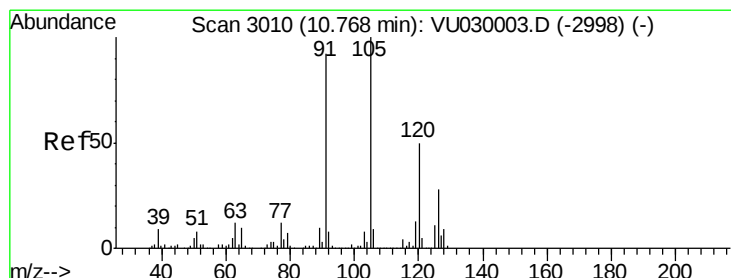
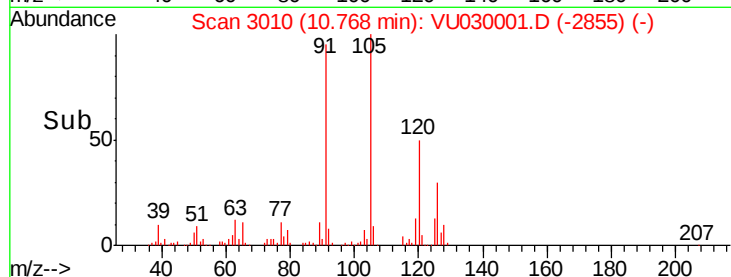
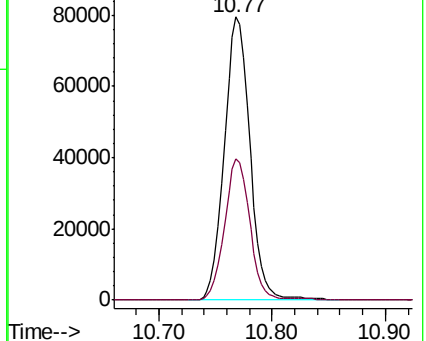
105 100

120 48.9 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.837 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030001.D

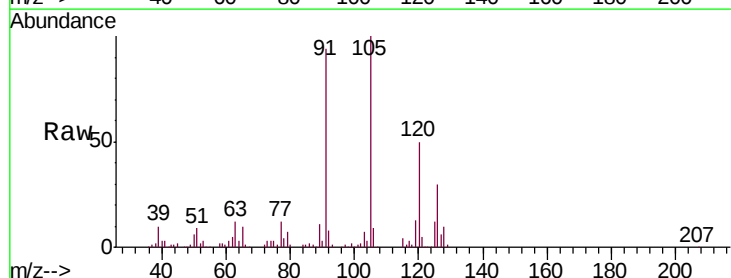
Acq: 12 Mar 2019 10:54

Tgt Ion:126 Resp: 36444

Ion Ratio Lower Upper

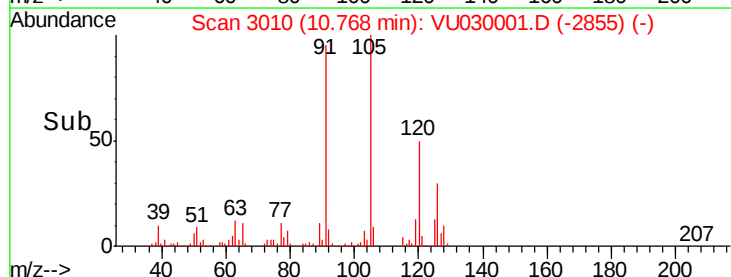
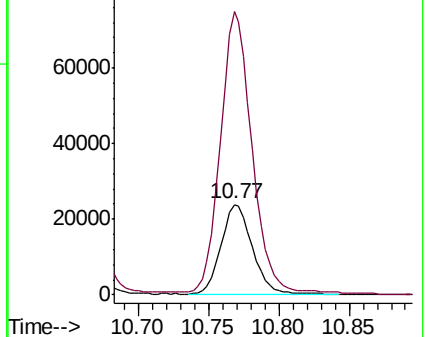
126 100

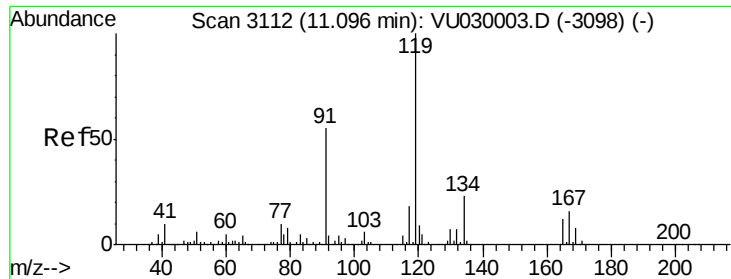
91 323.5 0.0 641.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

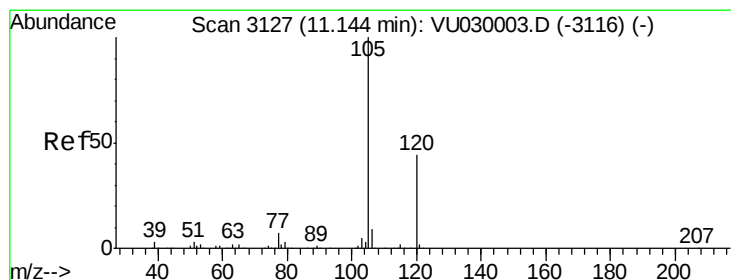
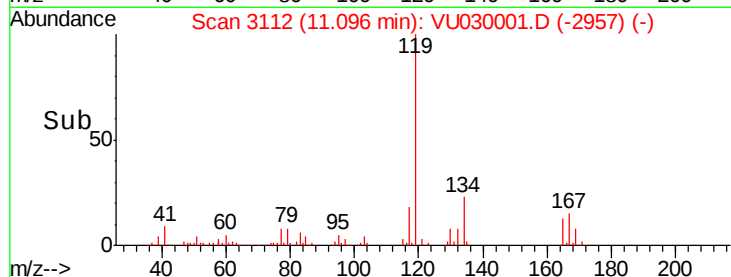
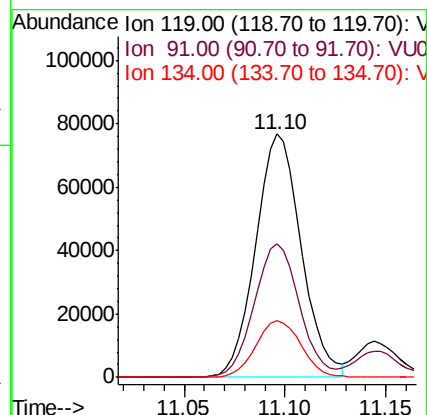
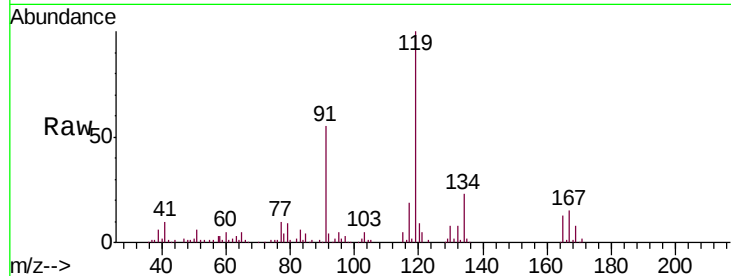




#77
 tert-Butylbenzene
 Concen: 1.861 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

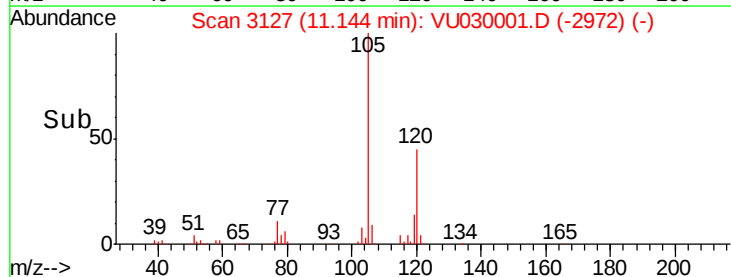
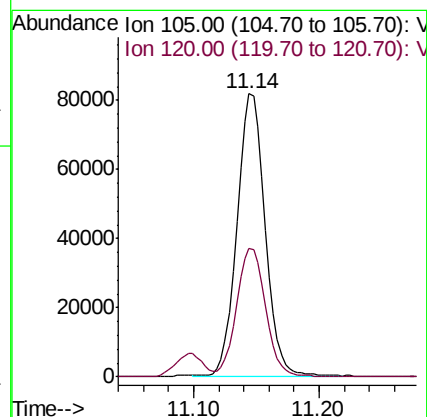
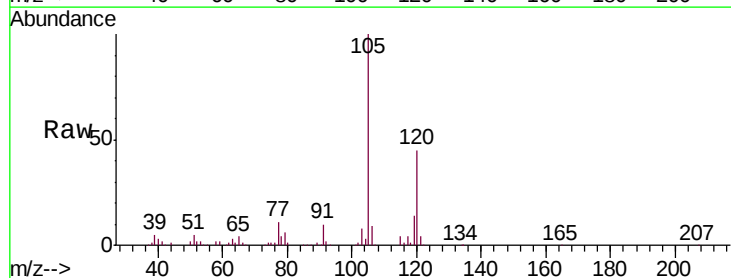
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

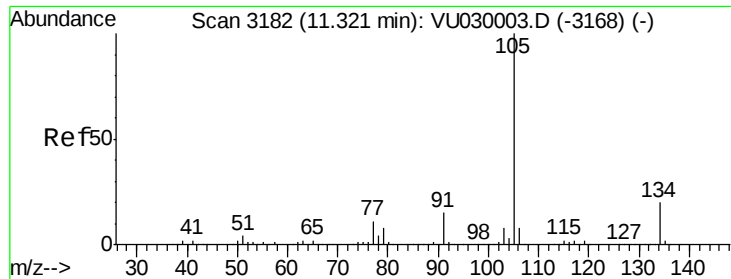
Tgt Ion:119 Resp: 121401
 Ion Ratio Lower Upper
 119 100
 91 54.4 27.6 82.8
 134 23.3 18.7 28.1



#78
 1,2,4-Trimethylbenzene
 Concen: 1.857 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion:105 Resp: 125913
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.5 70.6

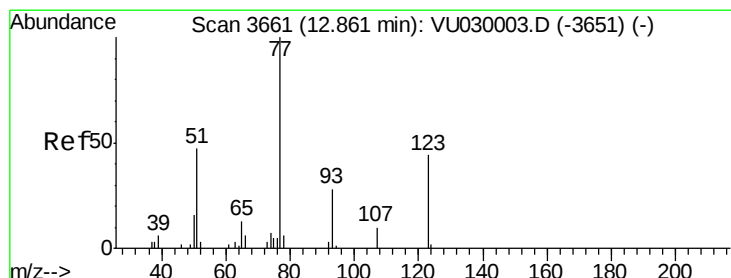
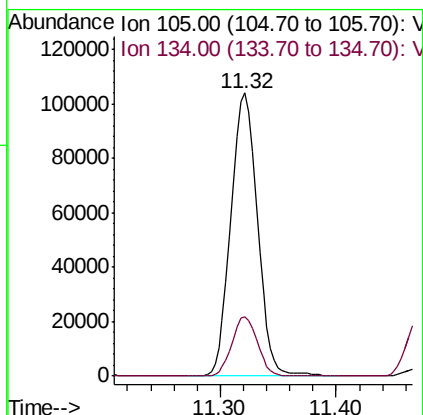
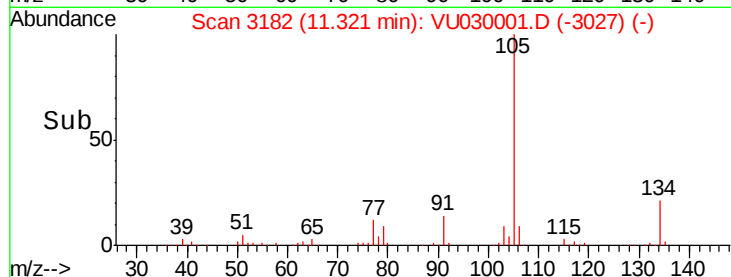
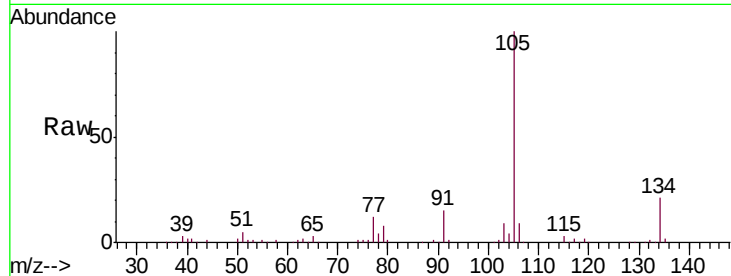




#79
 sec-Butylbenzene
 Concen: 1.882 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

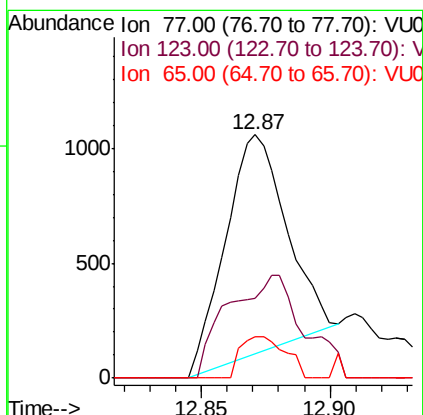
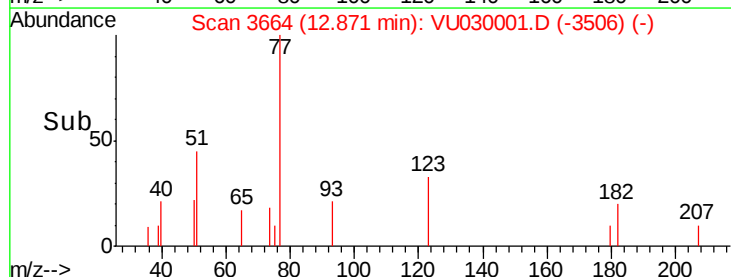
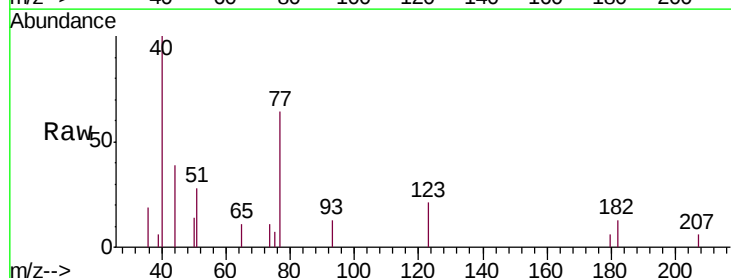
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

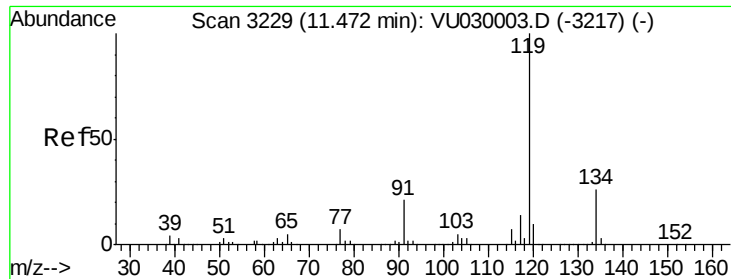
Tgt Ion: 105 Resp: 164523
 Ion Ratio Lower Upper
 105 100
 134 20.2 16.1 24.1



#80
 Nitrobenzene
 Concen: 5.418 ug/l
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.01 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 77 Resp: 1595
 Ion Ratio Lower Upper
 77 100
 123 57.3 19.9 70.5
 65 13.9 10.8 13.8#

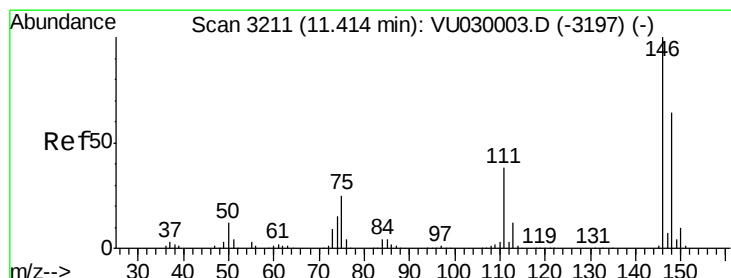
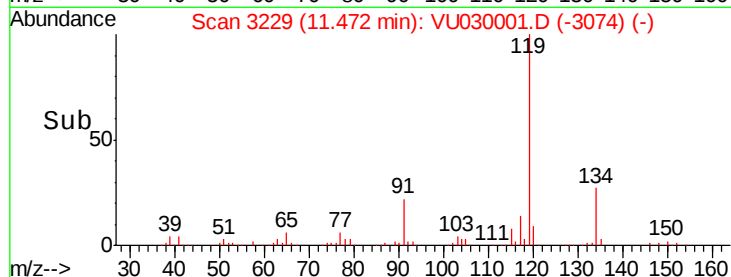
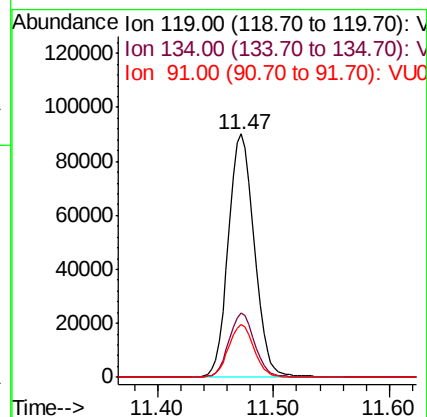
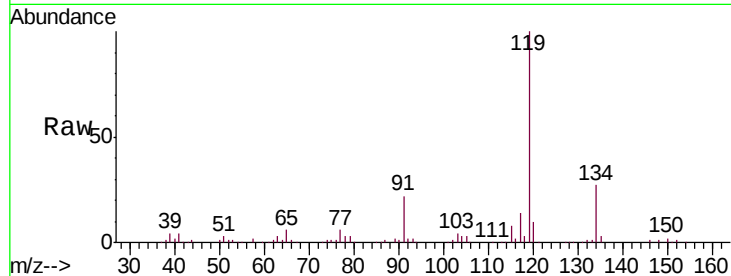




#81
p-Isopropyltoluene
Concen: 1.905 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

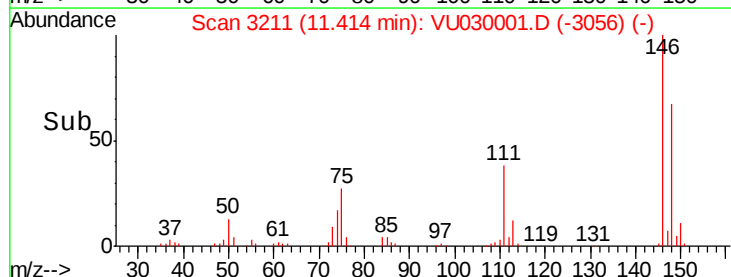
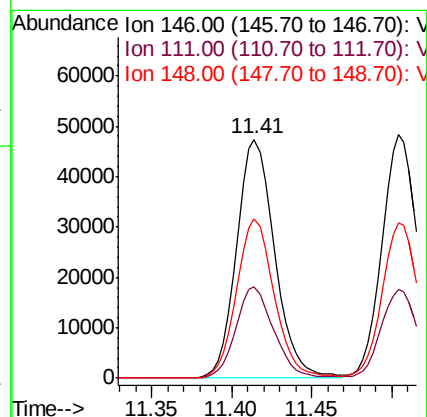
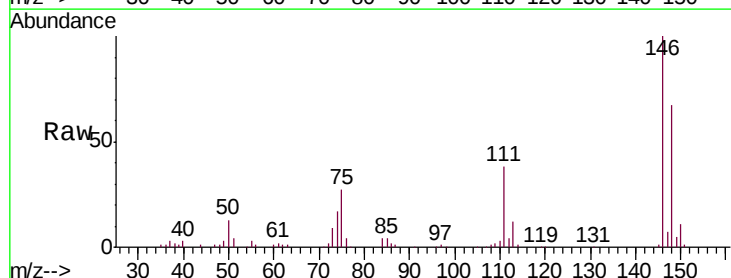
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

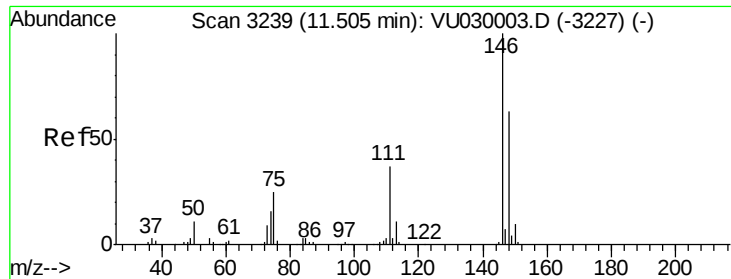
Tgt Ion:119 Resp: 139680
Ion Ratio Lower Upper
119 100
134 26.2 21.2 31.8
91 21.4 17.0 25.6



#82
1,3-Dichlorobenzene
Concen: 1.853 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion:146 Resp: 76814
Ion Ratio Lower Upper
146 100
111 37.8 30.3 45.5
148 66.1 51.1 76.7

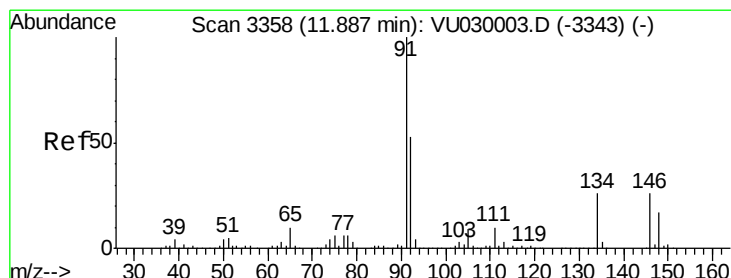
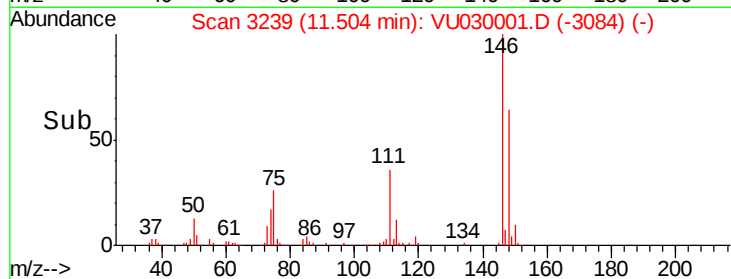
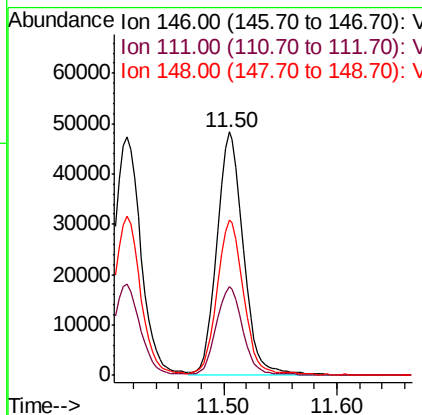
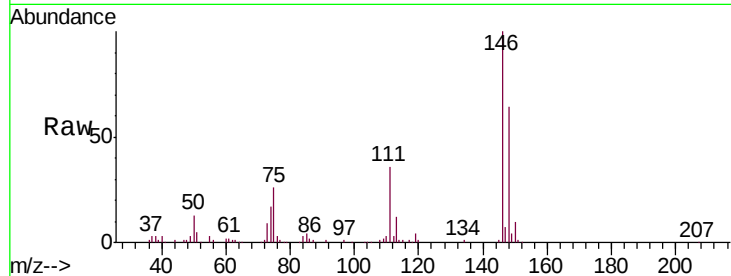




#83
 1,4-Dichlorobenzene
 Concen: 1.877 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

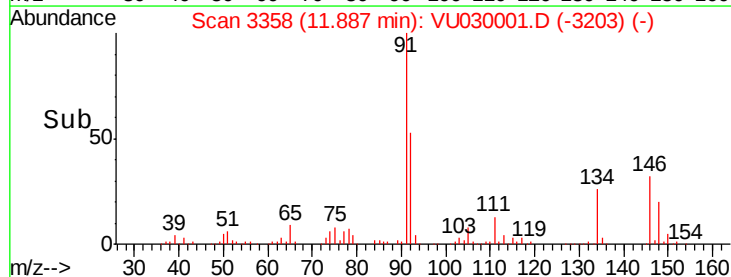
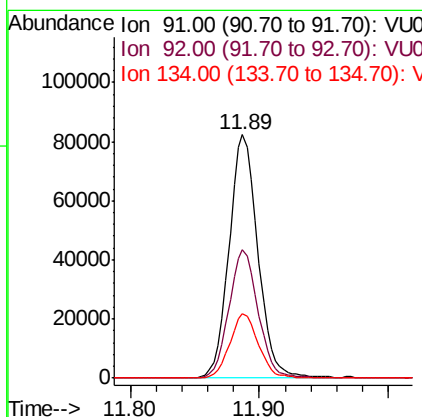
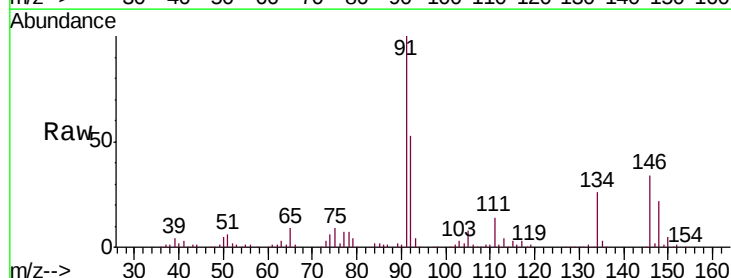
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

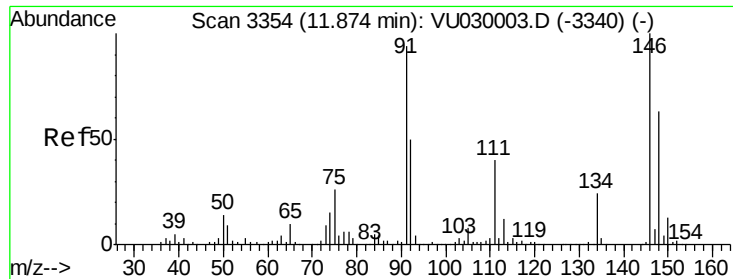
Tgt Ion: 146 Resp: 78205
 Ion Ratio Lower Upper
 146 100
 111 36.2 29.3 43.9
 148 63.9 50.6 76.0



#84
 n-Butylbenzene
 Concen: 1.859 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 91 Resp: 127342
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.4 63.6
 134 26.2 21.4 32.0

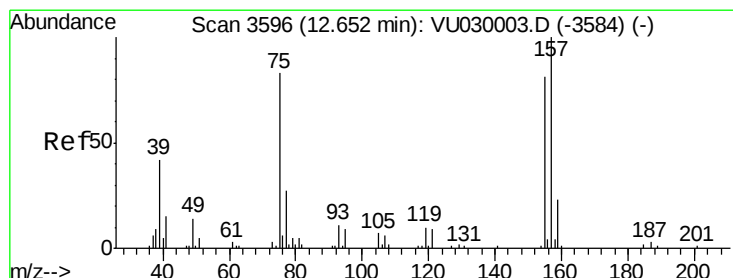
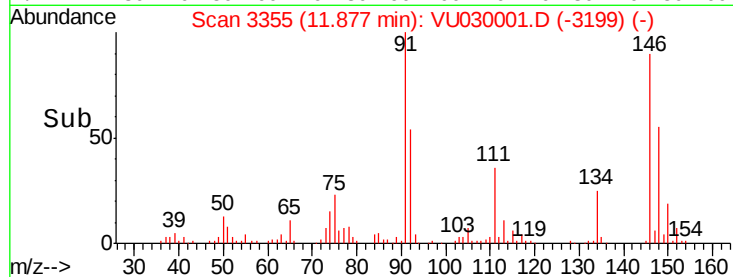
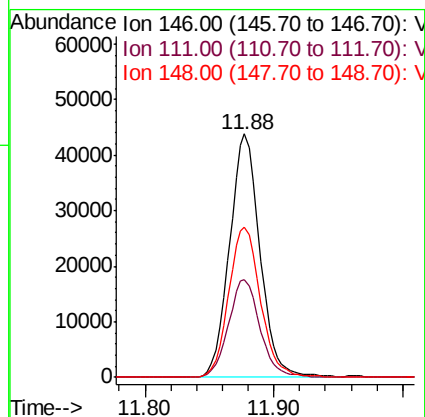
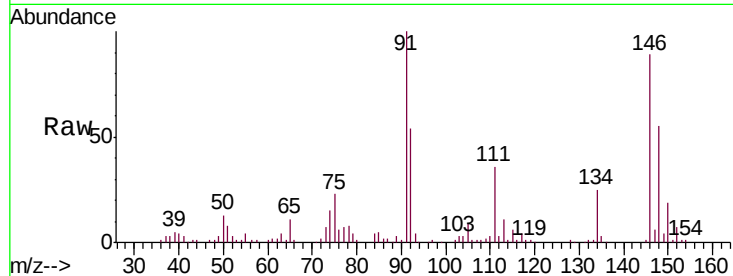




#85
 1,2-Dichlorobenzene
 Concen: 1.858 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

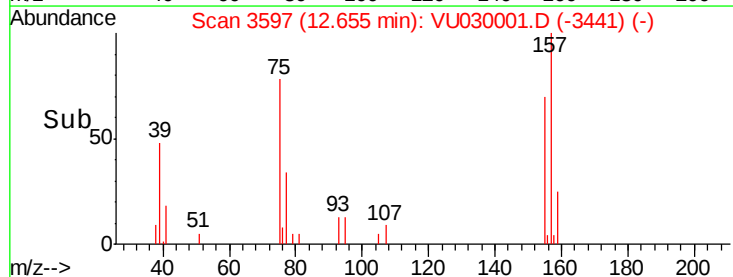
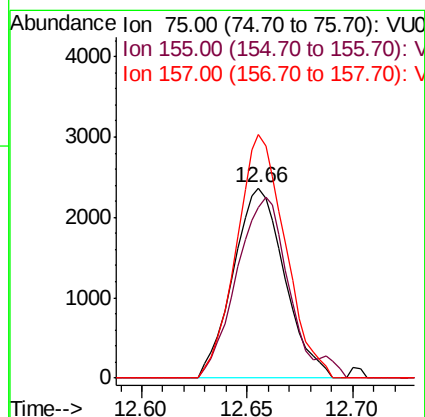
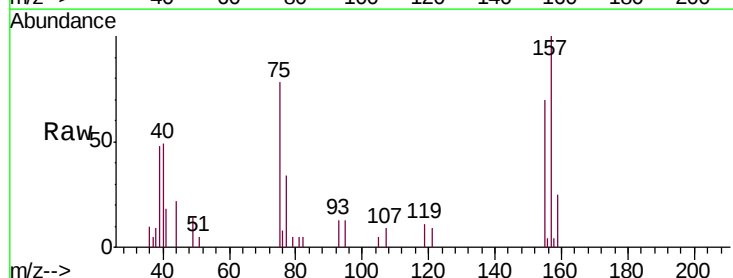
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

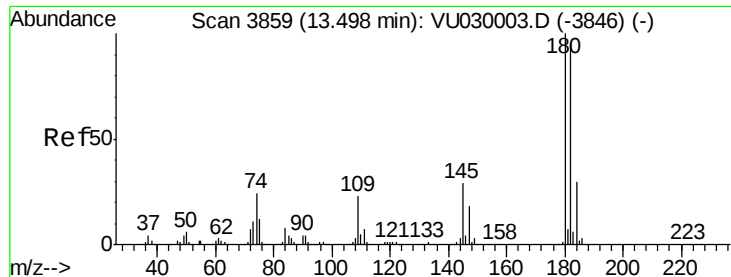
Tgt Ion: 146 Resp: 71658
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.9 59.7
 148 64.5 31.7 95.1



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.761 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 75 Resp: 3998
 Ion Ratio Lower Upper
 75 100
 155 97.3 78.2 117.4
 157 121.7 97.2 145.8

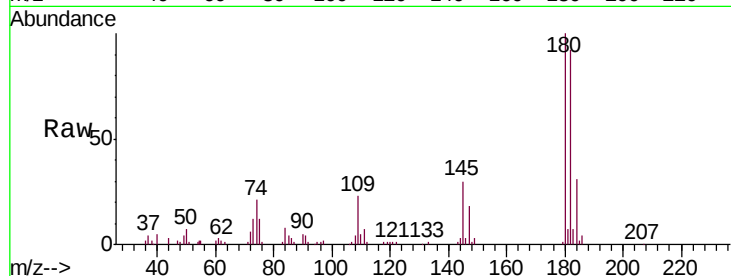




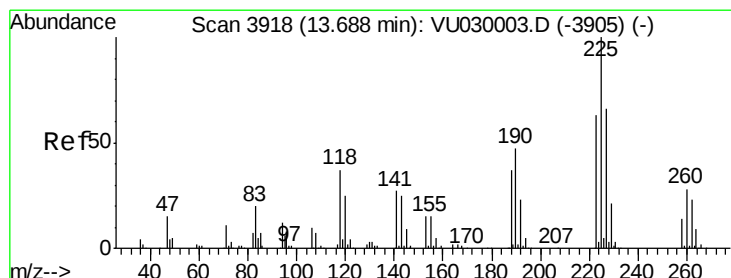
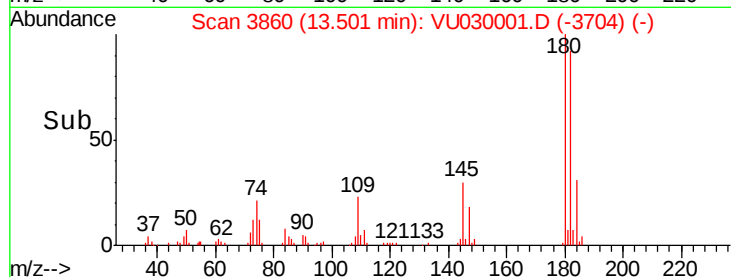
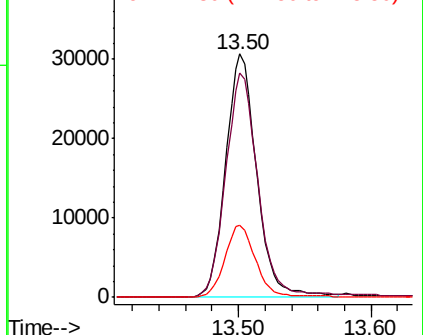
#87
 1,2,4-Trichlorobenzene
 Concen: 1.799 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 50090
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.2 114.2
 145 29.6 23.0 34.6

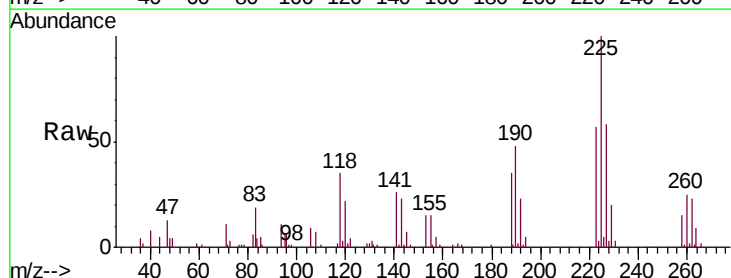


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

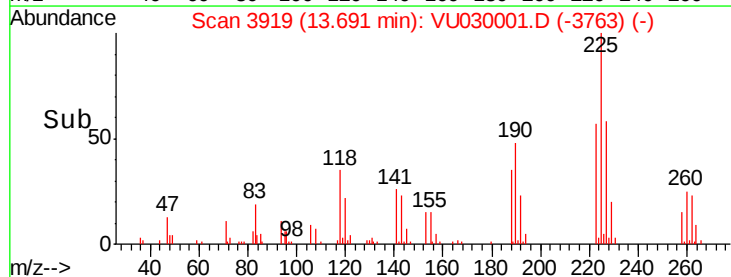
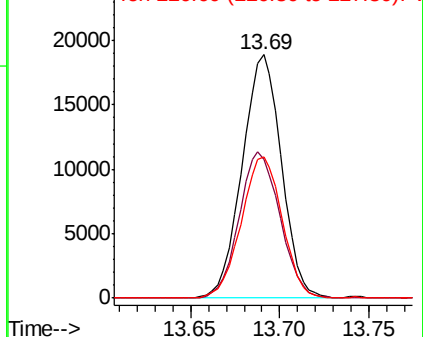


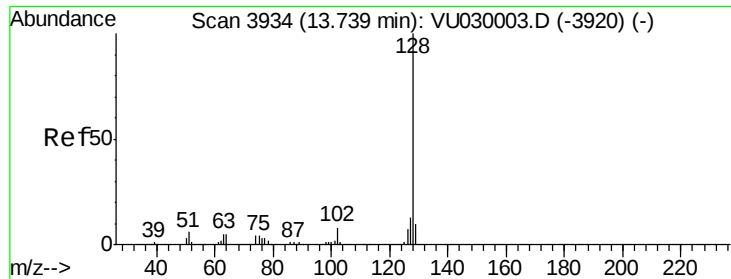
#88
 Hexachlorobutadiene
 Concen: 1.926 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion:225 Resp: 29059
 Ion Ratio Lower Upper
 225 100
 223 62.4 50.7 76.1
 227 60.3 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: 1.784 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

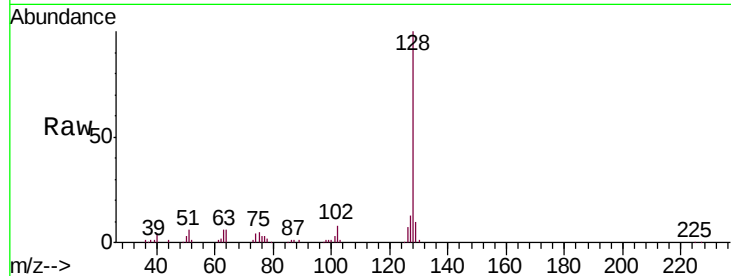
Tgt Ion:128 Resp: 77835

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

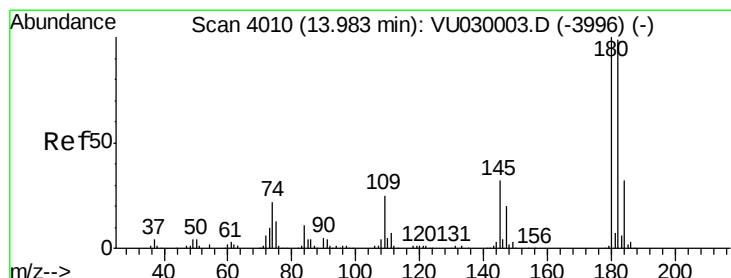
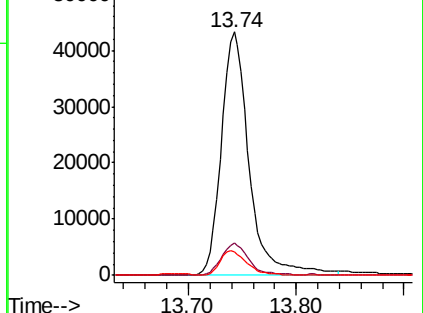
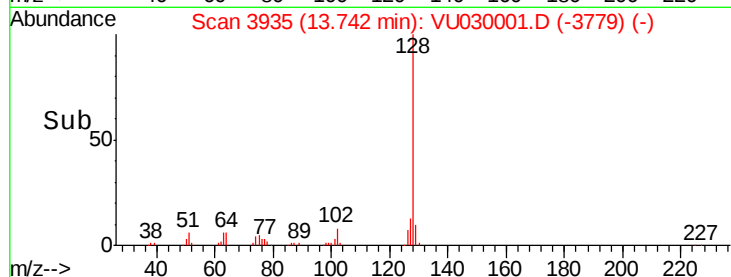
129 9.3 8.5 12.7



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: 1.834 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

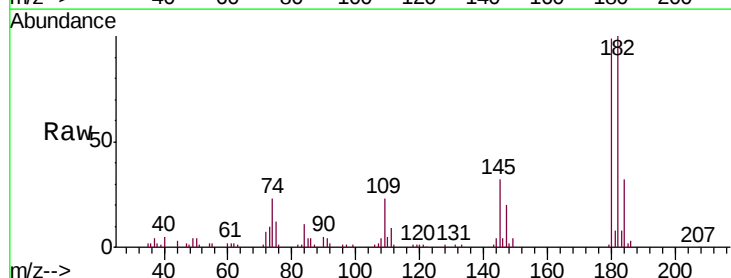
Tgt Ion:180 Resp: 46263

Ion Ratio Lower Upper

180 100

182 96.5 77.6 116.4

145 31.8 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

