

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030574.D
 Acq On : 30 Mar 2019 14:44
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 00:45:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	49705	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	19593	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	18341	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	20295	1.075 ug/l	99
3) Chloromethane	1.33	50	28485	1.315 ug/l	96
4) Vinyl Chloride	1.40	62	23101	1.228 ug/l	99
5) Bromomethane	1.63	94	9572	0.933 ug/l	97
6) Chloroethane	1.70	64	12843	1.192 ug/l	98
7) Trichlorofluoromethane	1.88	101	25002	1.054 ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12908	1.016 ug/l	94
9) 1,1-Dichloroethene	2.28	96	12779	1.014 ug/l	92
10) Iodomethane	2.41	142	4592	0.424 ug/l	94
11) Allyl Chloride	2.59	41	28536	1.461 ug/l	99
12) Acrylonitrile	2.93	53	8222	2.868 ug/l #	89
13) Acetone	2.32	43	18789	7.410 ug/l	94
14) Carbon Disulfide	2.47	76	47575	1.073 ug/l	99
15) Methylene Chloride	2.69	84	17988	1.190 ug/l	94
16) trans-1,2-Dichloroethene	2.97	96	15101	1.042 ug/l	92
17) 1,1-Dichloroethane	3.43	63	29853	1.175 ug/l	99
18) 2-Butanone	4.29	43	22207	6.314 ug/l	100
19) Cyclohexane	4.98	56	22492	1.029 ug/l	94
20) Methylcyclohexane	6.41	83	20890	0.905 ug/l	99
21) 2,2-Dichloropropane	4.22	77	22643	1.074 ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	16021	0.998 ug/l	94
23) Diethyl Ether	2.10	59	12295	1.247 ug/l	94
24) tert-Butyl Alcohol	2.84	59	14287	13.579 ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	38710	1.181 ug/l	97
26) Bromochloromethane	4.55	128	6353	0.920 ug/l	99
27) Chloroform	4.67	83	27711	1.051 ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	22906	1.065 ug/l	99
29) 1,1-Dichloropropene	5.13	75	20185	1.032 ug/l	97
30) Carbon Tetrachloride	5.13	117	18678	0.979 ug/l	97
31) Isopropyl Ether	3.58	45	49749	1.339 ug/l	100
32) Ethyl-t-butyl ether	4.07	59	37931	1.103 ug/l	97
33) Tert-Amyl methyl ether	5.58	73	29979	0.970 ug/l	97
34) Propionitrile	4.35	54	6233	6.392 ug/l #	79
35) Benzene	5.38	78	59532	1.037 ug/l	96
36) 1,2-Dichloroethane	5.41	62	19603	1.243 ug/l	97
37) Trichloroethene	6.18	130	14881	0.930 ug/l	84
38) 1,2-Dichloropropane	6.43	63	17054	1.149 ug/l	98
39) Methacrylonitrile	4.56	41	5732	1.322 ug/l #	83
40) Methyl acrylate	4.45	55	7440	1.127 ug/l #	93
41) Tetrahydrofuran	4.66	42	6822	2.895 ug/l #	88
42) 1-Chlorobutane	5.06	56	29577	1.118 ug/l	96

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

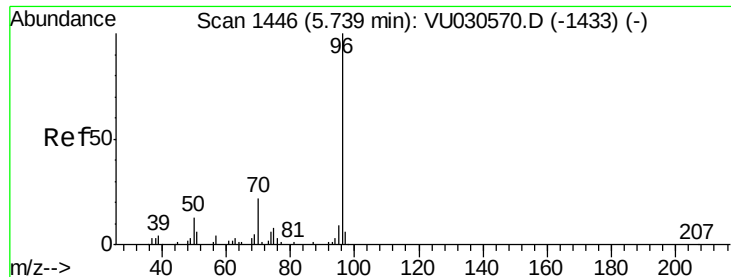
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 00:45:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	7597	1.010	ug/l	97
44) Bromodichloromethane	6.75	83	20704	1.140	ug/l	100
45) 4-Methyl-2-Pentanone	7.47	43	51677	6.520	ug/l	96
46) t-1,4-Dichloro-2-butene	10.49	75	15976	5.499	ug/l #	53
47) Methyl methacrylate	6.63	69	11985	1.881	ug/l	99
48) Ethyl methacrylate	8.03	69	11264	0.942	ug/l	96
49) Toluene	7.63	92	30854	0.905	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	16605	1.026	ug/l	90
51) cis-1,3-Dichloropropene	7.27	75	19821	0.982	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	10308	0.980	ug/l	94
53) 1,3-Dichloropropane	8.24	76	18203	1.017	ug/l	94
54) 2-Hexanone	8.37	43	33586	5.942	ug/l	97
55) Dibromochloromethane	8.48	129	12620	1.008	ug/l	98
56) 1,2-Dibromoethane	8.59	107	9287	0.927	ug/l	96
58) Tetrachloroethene	8.22	164	12754	0.879	ug/l	96
59) Chlorobenzene	9.12	112	33012	0.854	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	13894	1.025	ug/l	99
61) Pentachloroethane	11.10	117	10529	0.998	ug/l	94
62) Hexachloroethane	12.14	117	8811	0.853	ug/l	99
63) Ethyl Benzene	9.25	91	59315	0.921	ug/l	97
64) m/p-Xylenes	9.37	106	43394	1.744	ug/l	91
65) o-Xylene	9.78	106	21113	0.866	ug/l	99
66) Styrene	9.79	104	33583	0.834	ug/l	98
67) Bromoform	9.96	173	6790	0.957	ug/l #	98
69) Isopropylbenzene	10.16	105	56053	0.874	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	15613	1.185	ug/l #	98
71) 1,2,3-Trichloropropane	10.49	75	15976	1.671	ug/l #	73
72) Bromobenzene	10.45	156	14804	0.899	ug/l	91
73) n-propylbenzene	10.58	120	14146	0.787	ug/l	94
74) 2-Chlorotoluene	10.66	126	13516	0.855	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	46389	0.852	ug/l	98
76) 4-Chlorotoluene	10.77	126	13710	0.853	ug/l	95
77) tert-Butylbenzene	11.10	119	44996	0.849	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	44634	0.808	ug/l	99
79) sec-Butylbenzene	11.32	105	60274	0.848	ug/l	99
80) Nitrobenzene	12.89	77	499	2.200	ug/l #	43
81) p-Isopropyltoluene	11.47	119	44735	0.760	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	28942	0.872	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	28538	0.855	ug/l	97
84) n-Butylbenzene	11.89	91	44385	0.802	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	27586	0.891	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2157	1.137	ug/l	89
87) 1,2,4-Trichlorobenzene	13.51	180	14801	0.683	ug/l	97
88) Hexachlorobutadiene	13.69	225	9572	0.798	ug/l	96
89) Naphthalene	13.75	128	21615	0.635	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	13352	0.676	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 49705

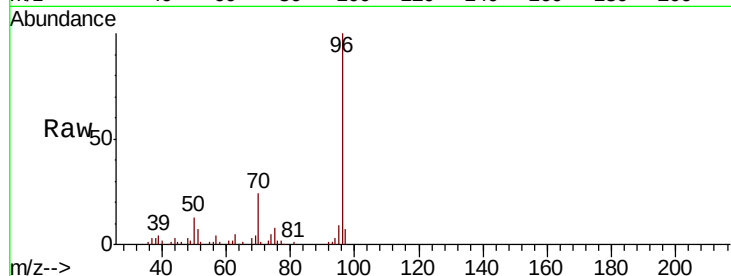
Ion Ratio Lower Upper

96 100

70 22.4 15.6 23.4

95 6.9 7.3 10.9#

97 6.6 0.0 0.0#

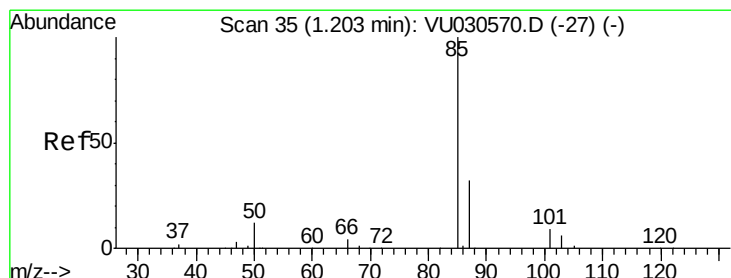
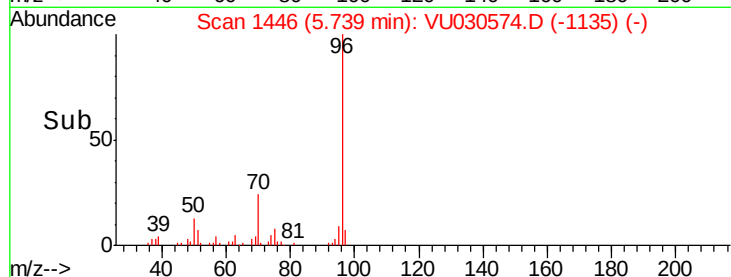
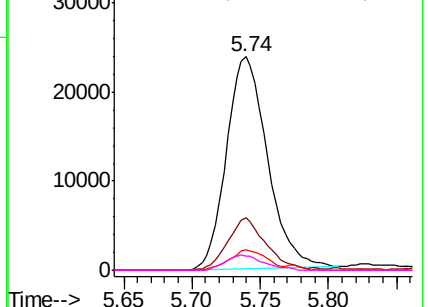


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 1.075 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030574.D

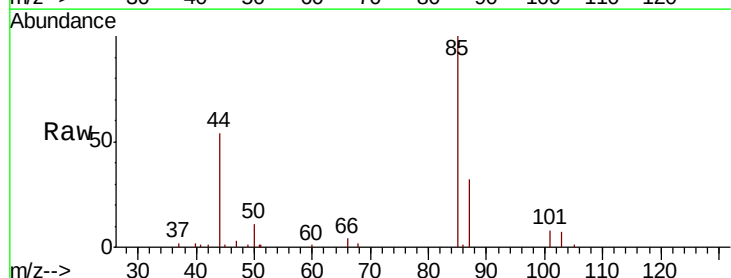
Acq: 30 Mar 2019 14:44

Tgt Ion: 85 Resp: 20295

Ion Ratio Lower Upper

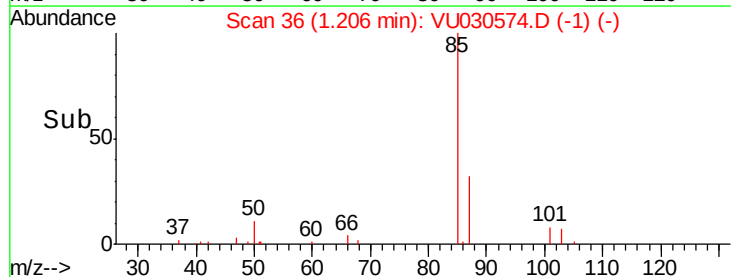
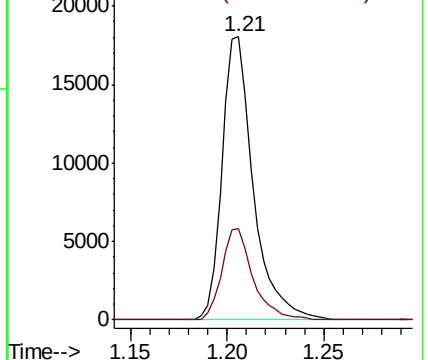
85 100

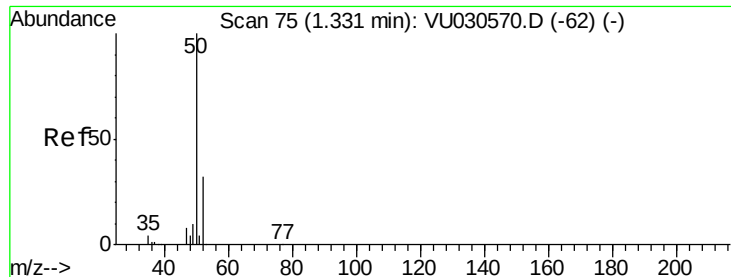
87 32.4 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 1.315 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

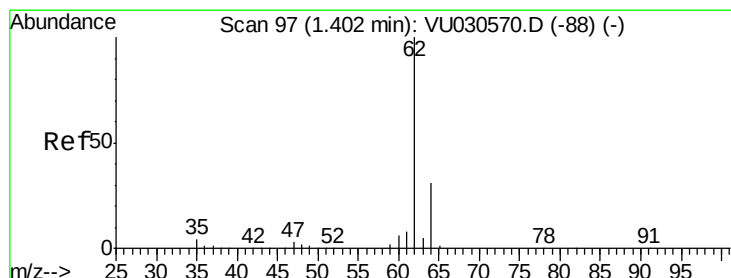
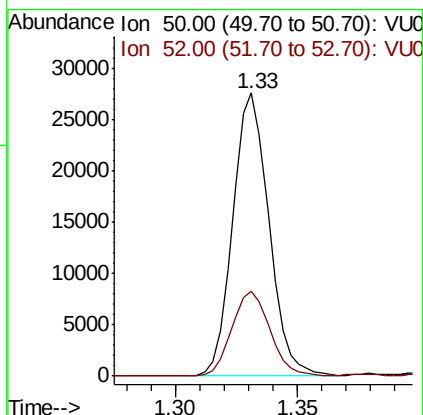
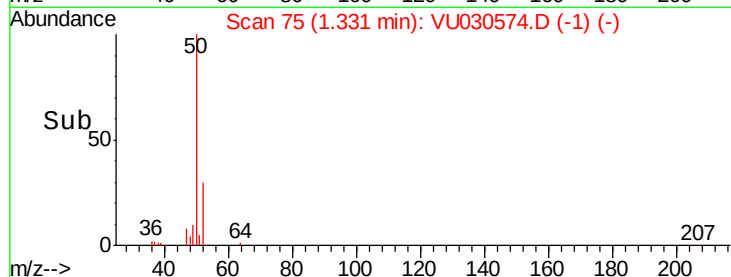
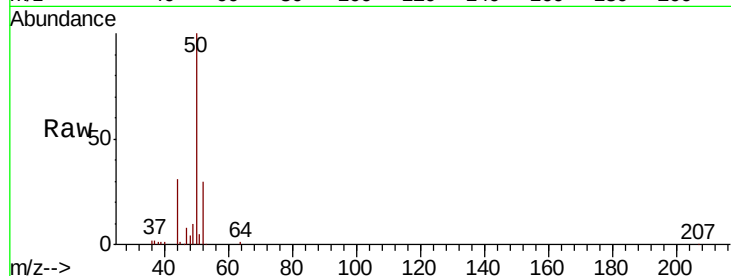
ClientSampleId :

Tot Ion: 50 Resp: 28485

Ion Ratio Lower Upper

50 100

52 30.0 25.8 38.8



#4

Vinyl Chloride

Concen: 1.228 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030574.D

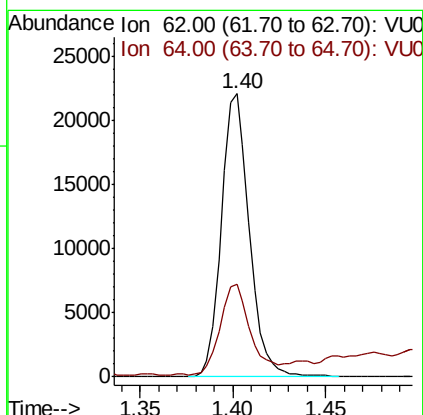
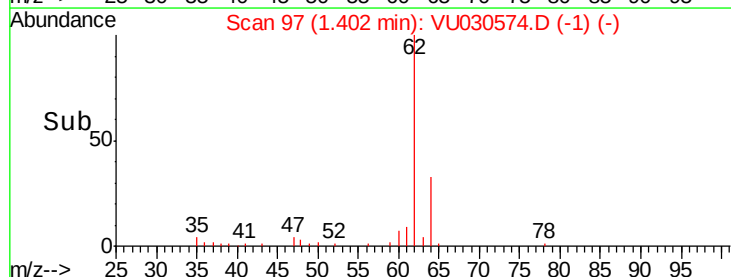
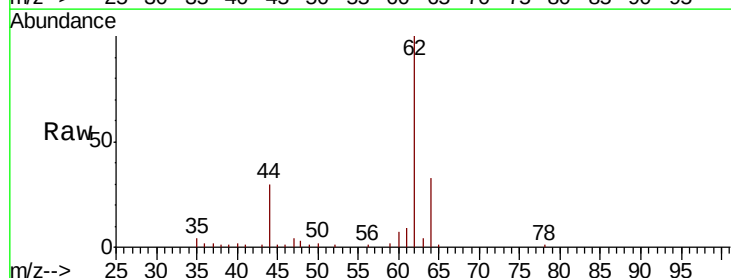
Acq: 30 Mar 2019 14:44

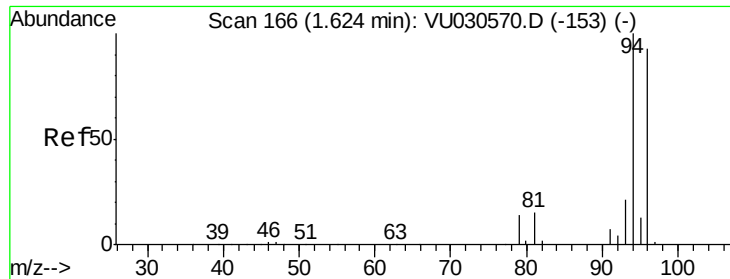
Tgt Ion: 62 Resp: 23101

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7

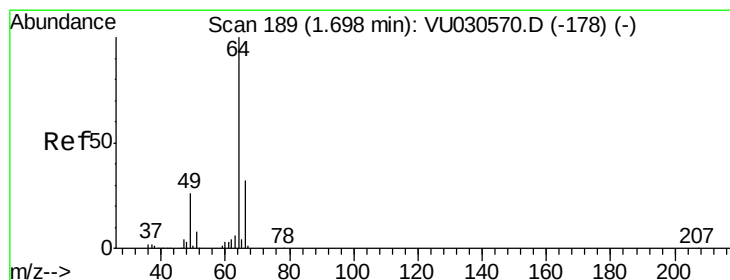
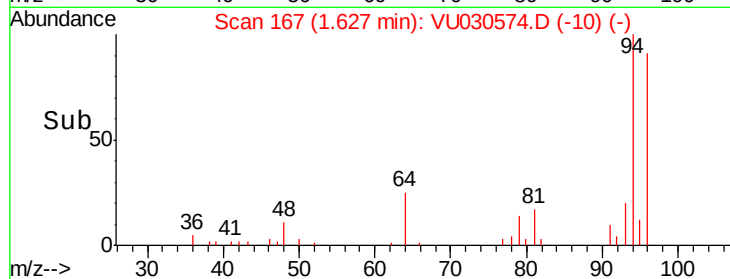
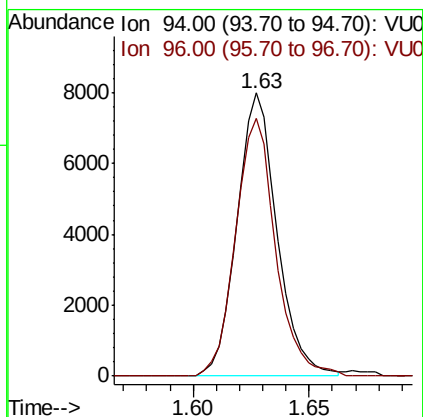
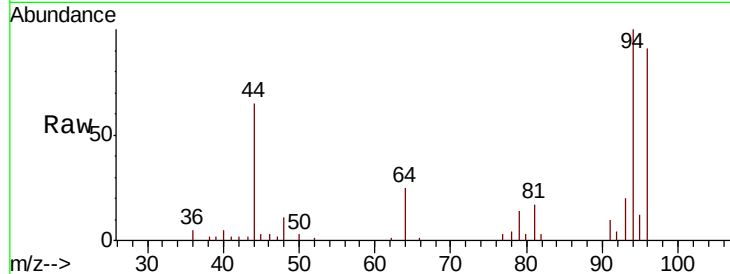




#5
Bromomethane
Concen: 0.933 ug/l
RT: 1.63 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

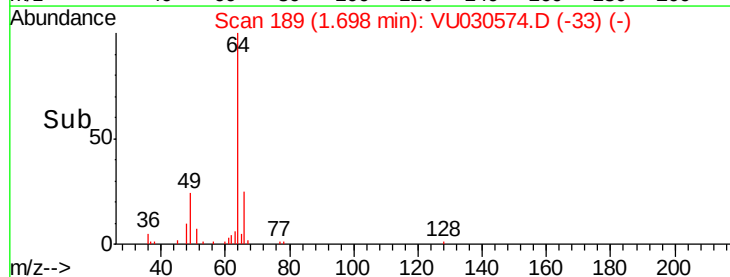
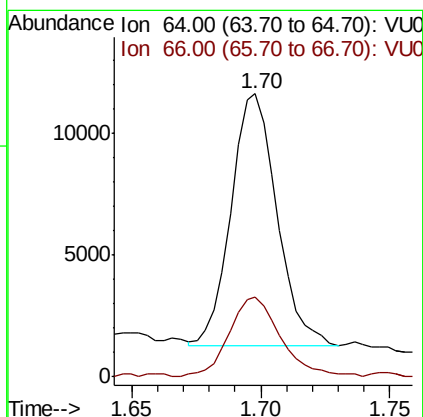
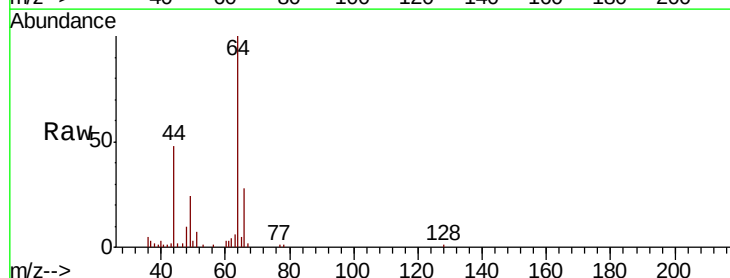
Instrument :
MSVOA_U
ClientSampled :

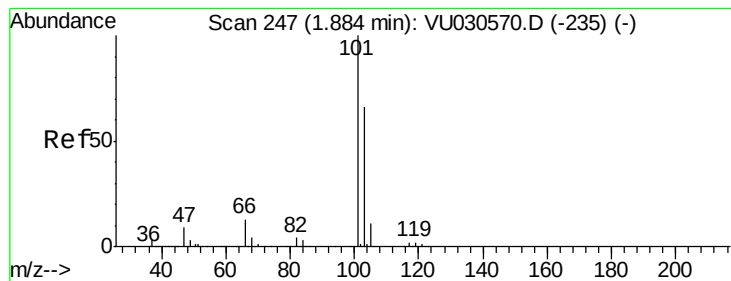
Tot Ion: 94 Resp: 9572
Ion Ratio Lower Upper
94 100
96 91.0 74.8 112.2



#6
Chloroethane
Concen: 1.192 ug/l
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 64 Resp: 12843
Ion Ratio Lower Upper
64 100
66 30.8 25.5 38.3



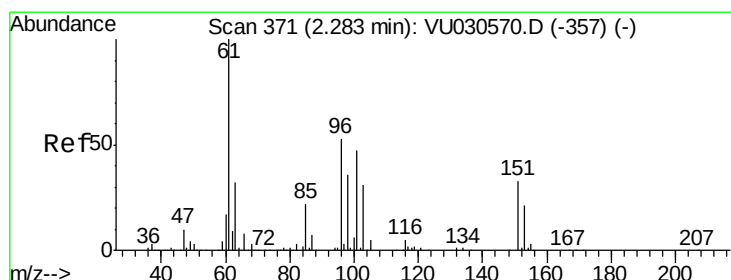
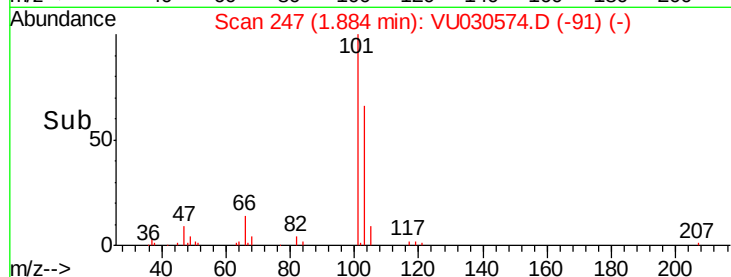
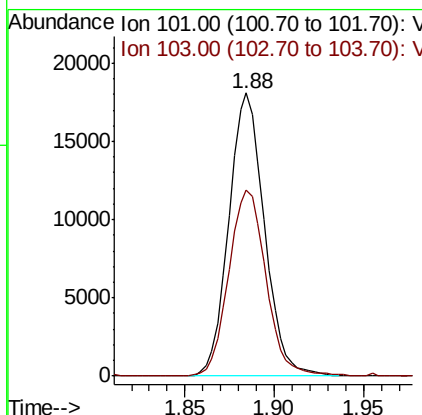
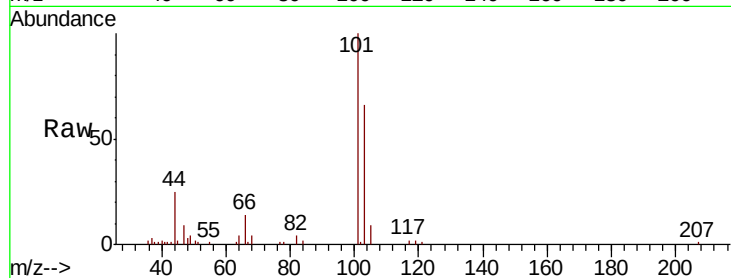


#7

Trichlorofluoromethane
 Concen: 1.054 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :

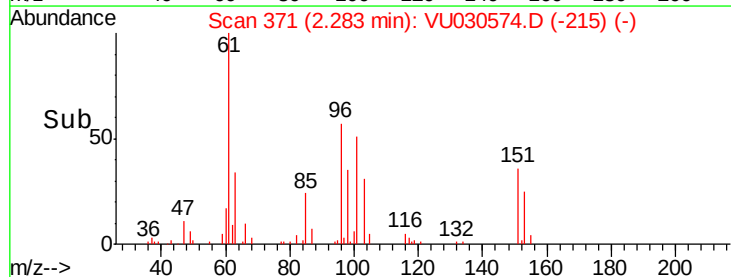
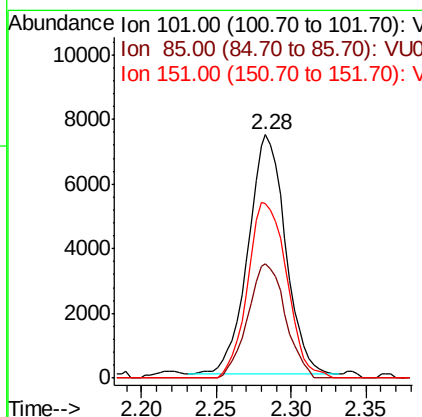
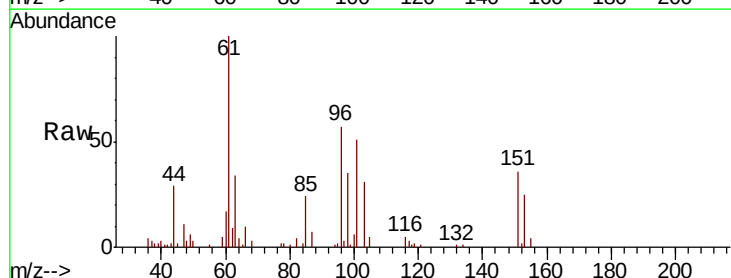
Tot Ion:101 Resp: 25002
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.6 79.0

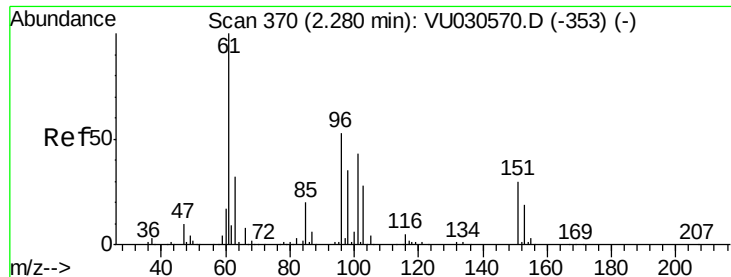


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.016 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion:101 Resp: 12908
 Ion Ratio Lower Upper
 101 100
 85 47.7 36.5 54.7
 151 76.4 56.5 84.7





#9

1,1-Dichloroethene

Concen: 1.014 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

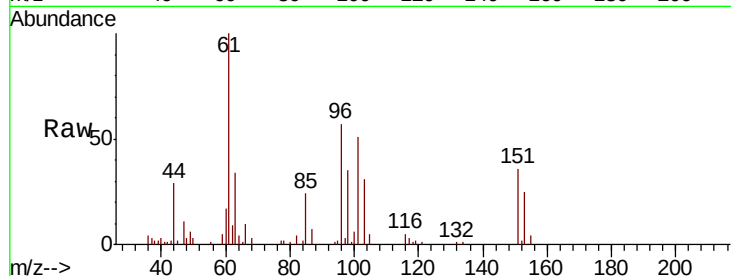
Tot Ion: 96 Resp: 12779

Ion Ratio Lower Upper

96 100

61 175.3 0.0 567.0

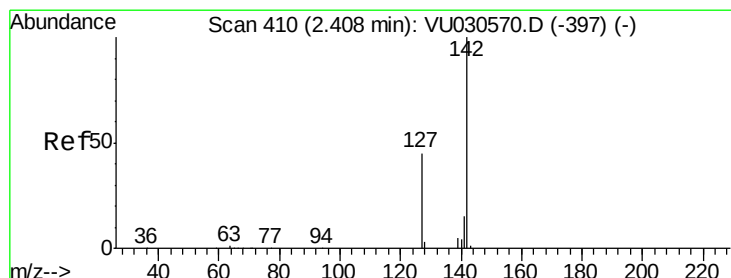
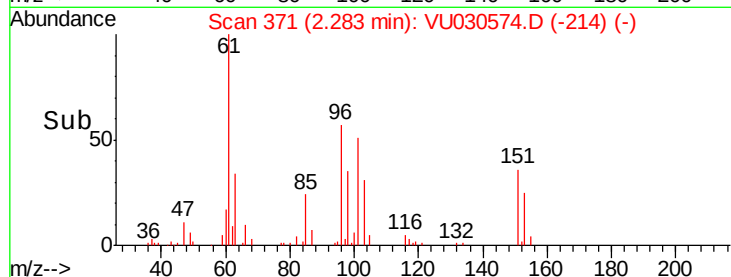
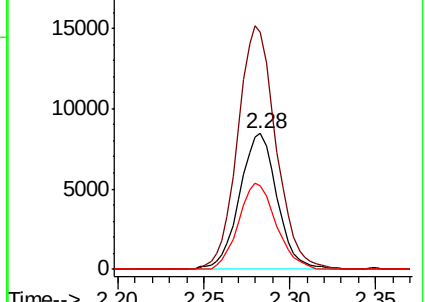
98 62.1 0.0 132.2



Abundance Ion 96.00 (95.70 to 96.70): VU030570.D (-353) (-)

Ion 61.00 (60.70 to 61.70): VU030570.D (-353) (-)

Ion 98.00 (97.70 to 98.70): VU030570.D (-353) (-)



#10

Iodomethane

Concen: 0.424 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030574.D

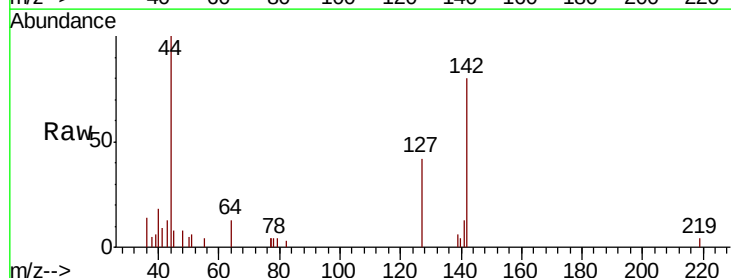
Acq: 30 Mar 2019 14:44

Tgt Ion: 142 Resp: 4592

Ion Ratio Lower Upper

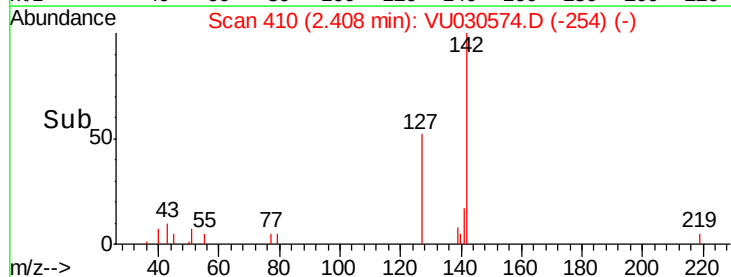
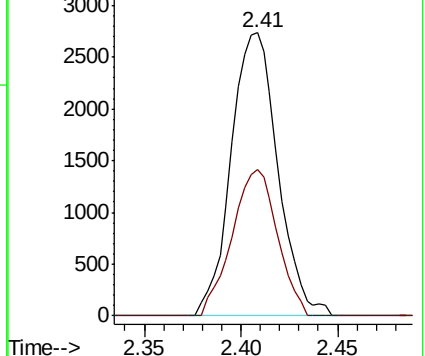
142 100

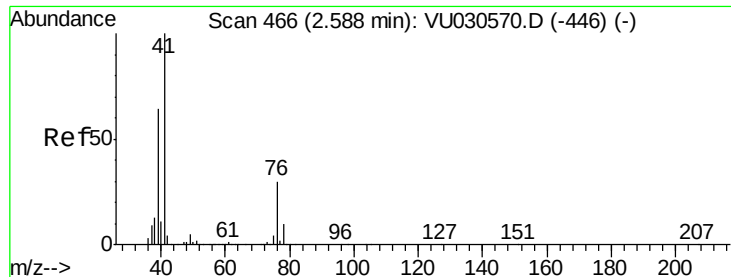
127 50.1 36.8 55.2



Abundance Ion 142.00 (141.70 to 142.70): VU030570.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU030570.D (-397) (-)

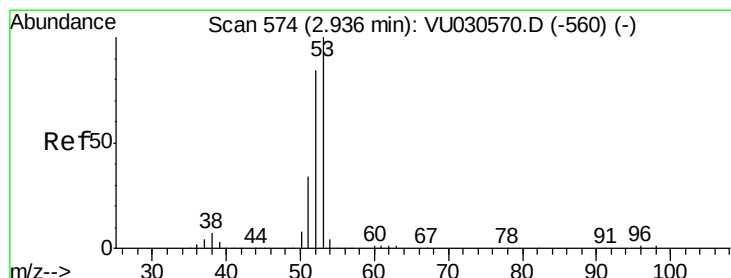
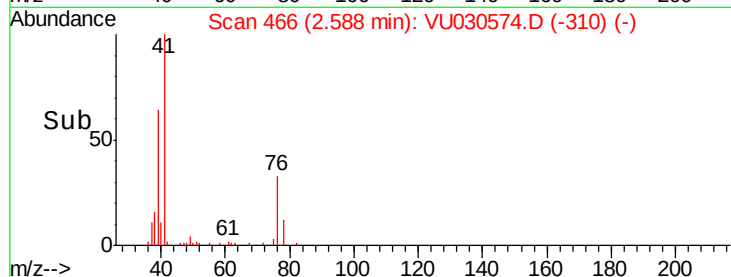
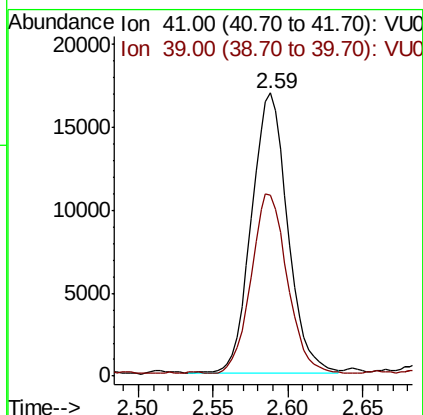
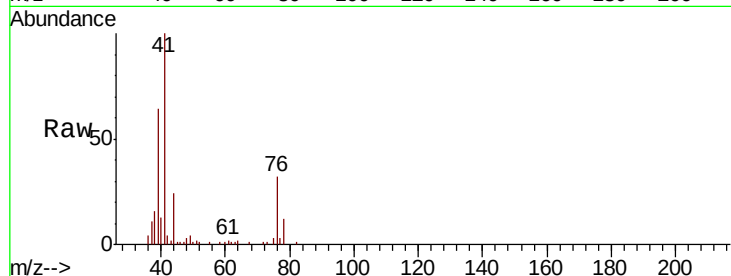




#11
Allvl Chloride
Concen: 1.461 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

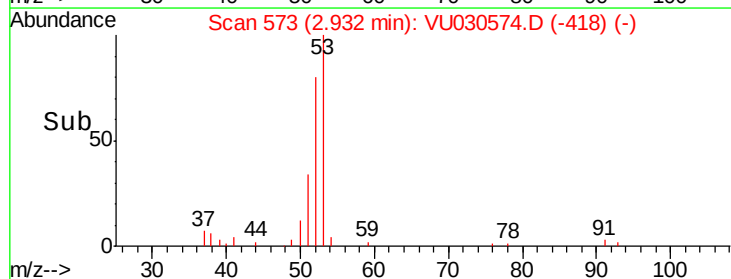
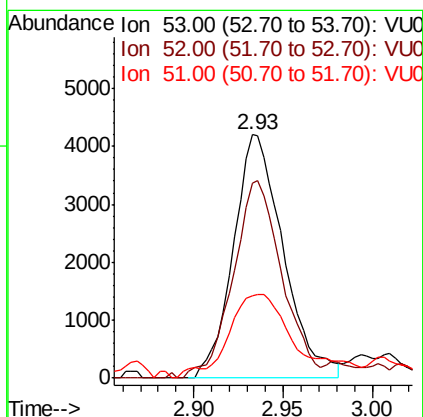
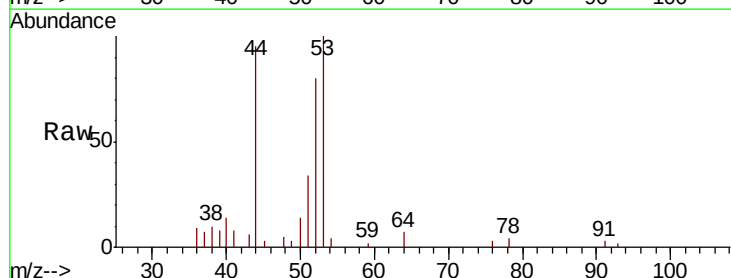
Instrument :
MSVOA_U
ClientSampleId :

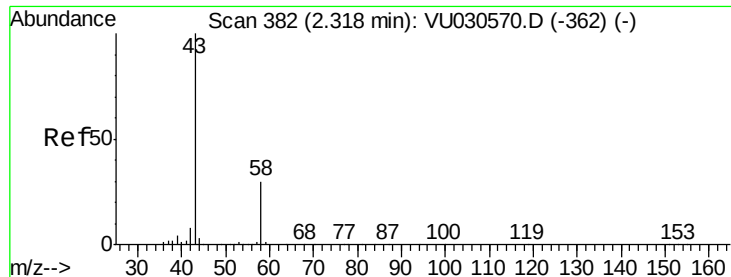
Tot Ion: 41 Resp: 28536
Ion Ratio Lower Upper
41 100
39 64.0 51.8 77.6



#12
Acrylonitrile
Concen: 2.868 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 53 Resp: 8222
Ion Ratio Lower Upper
53 100
52 79.0 69.1 103.7
51 46.1 27.9 41.9#





#13

Acetone

Concen: 7.410 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

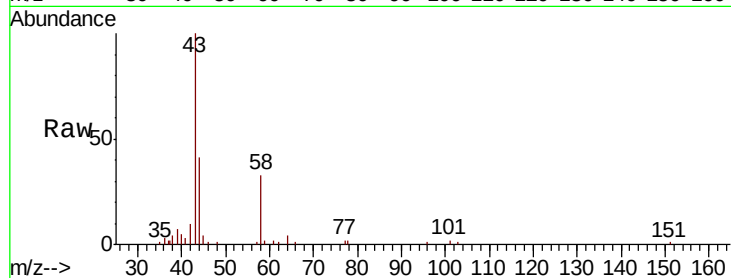
ClientSampleId :

Tot Ion: 43 Resp: 18789

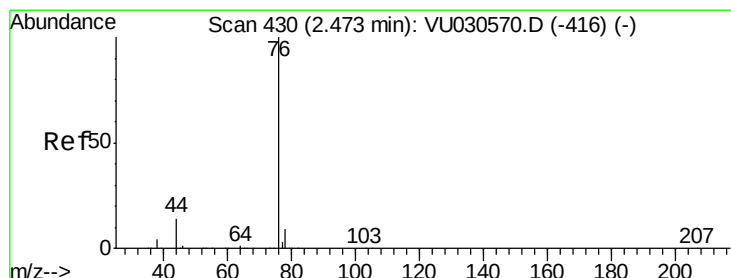
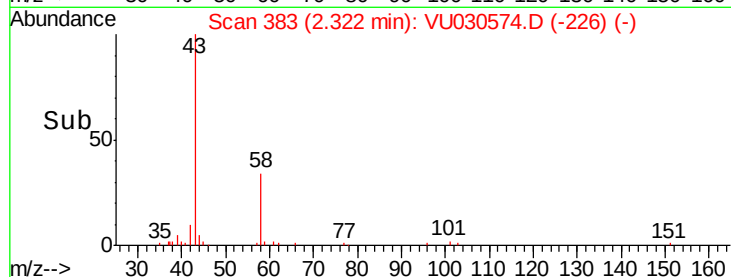
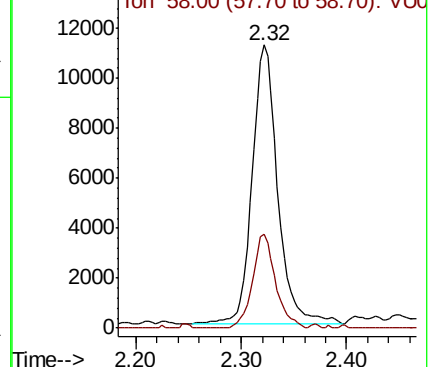
Ion Ratio Lower Upper

43 100

58 33.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU030574.D (-362) (-)



#14

Carbon Disulfide

Concen: 1.073 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030574.D

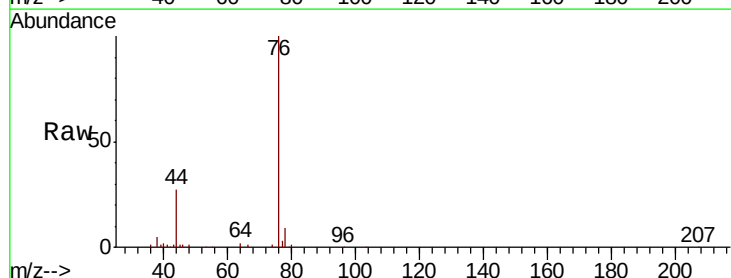
Acq: 30 Mar 2019 14:44

Tgt Ion: 76 Resp: 47575

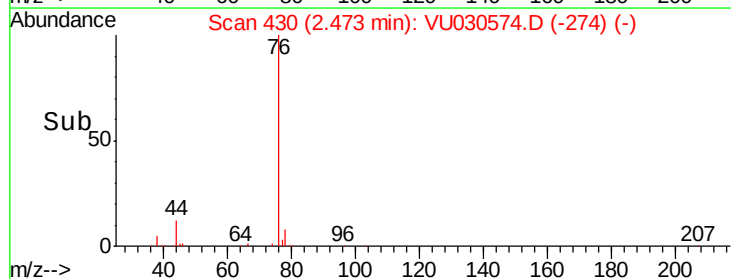
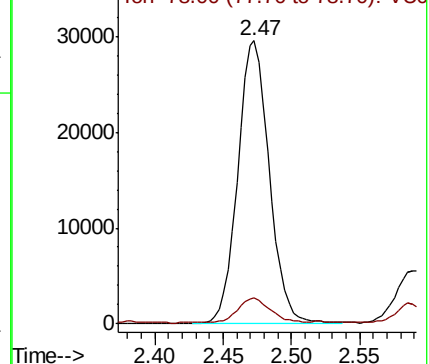
Ion Ratio Lower Upper

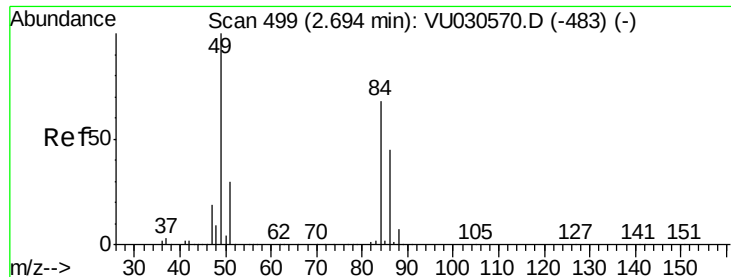
76 100

78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030574.D (-416) (-)

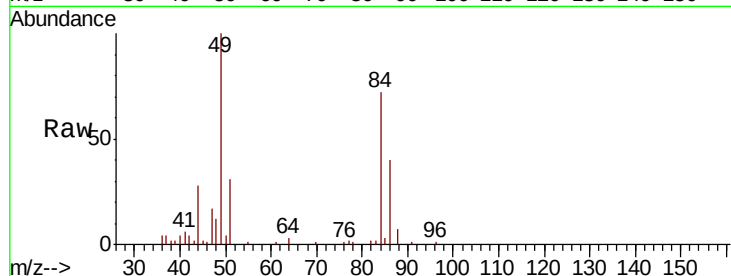




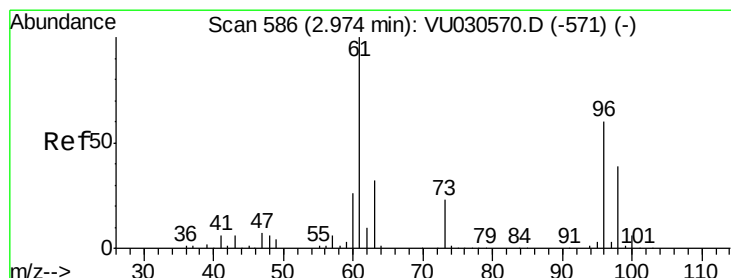
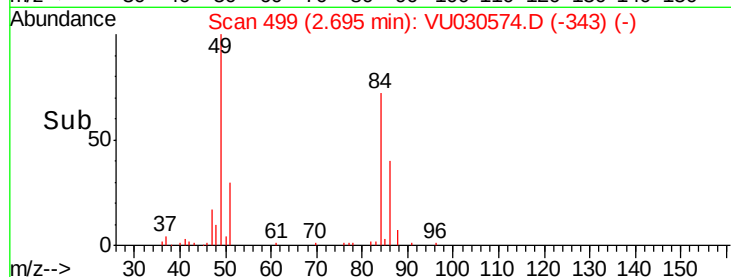
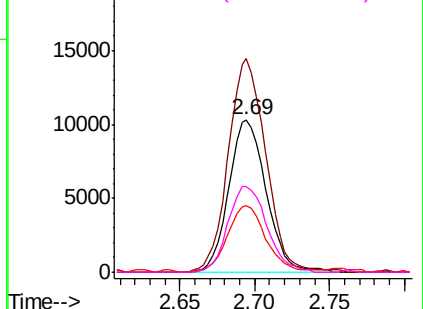
#15
Methylene Chloride
Concen: 1.190 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 17988
Ion Ratio Lower Upper
84 100
49 139.8 117.0 175.6
51 44.0 0.0 88.6
86 56.2 52.2 78.2

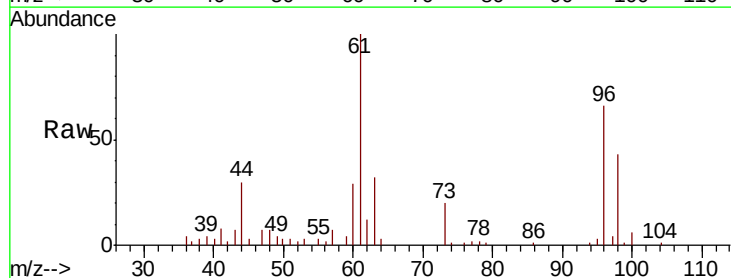


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

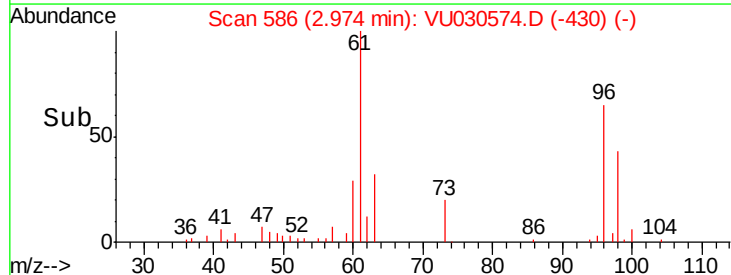
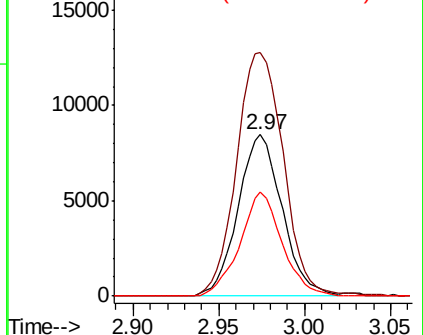


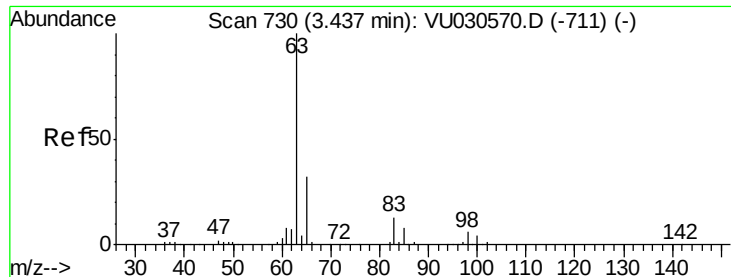
#16
trans-1,2-Dichloroethene
Concen: 1.042 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 96 Resp: 15101
Ion Ratio Lower Upper
96 100
61 150.9 132.3 198.5
98 64.6 51.3 76.9



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

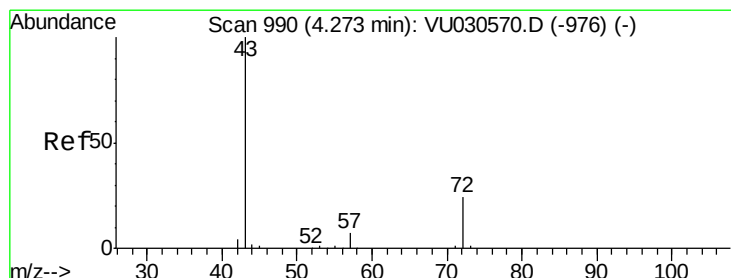
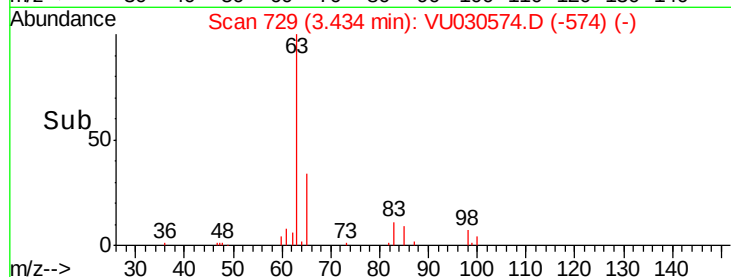
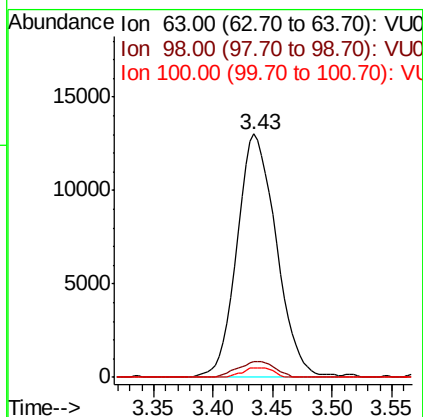
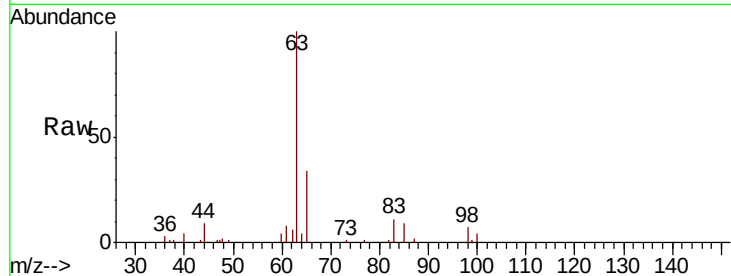




#17
 1,1-Dichloroethane
 Concen: 1.175 ug/l
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

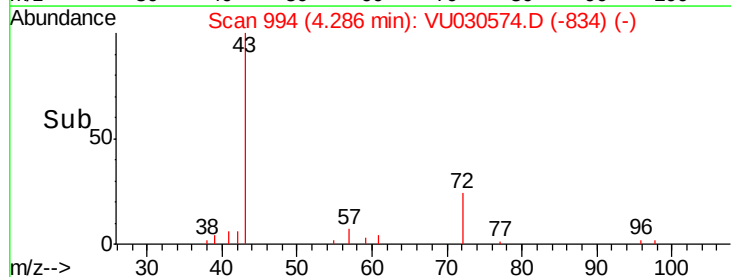
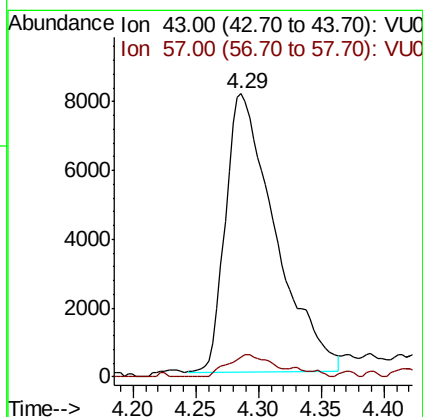
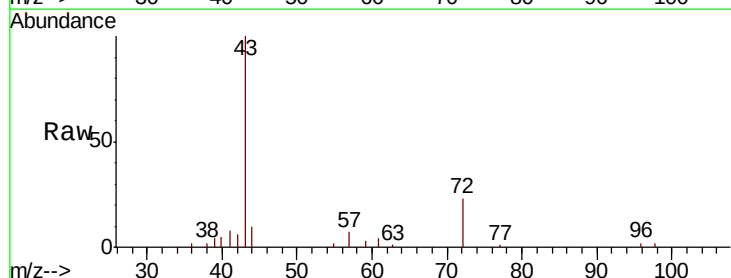
Instrument :
 MSVOA_U
 ClientSampleId :

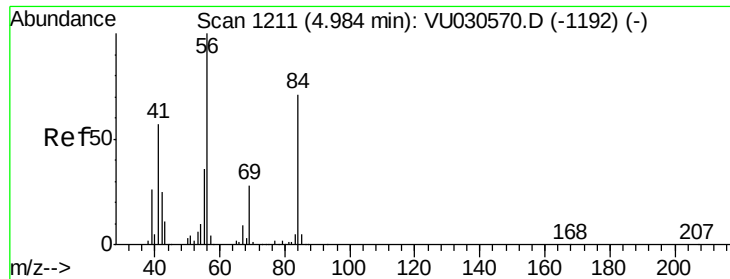
Tot Ion: 63 Resp: 29853
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.0
 100 4.0 1.8 5.5



#18
 2-Butanone
 Concen: 6.314 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion: 43 Resp: 22207
 Ion Ratio Lower Upper
 43 100
 57 7.2 0.0 14.4

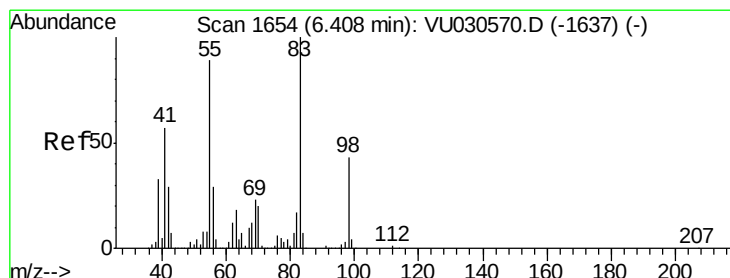
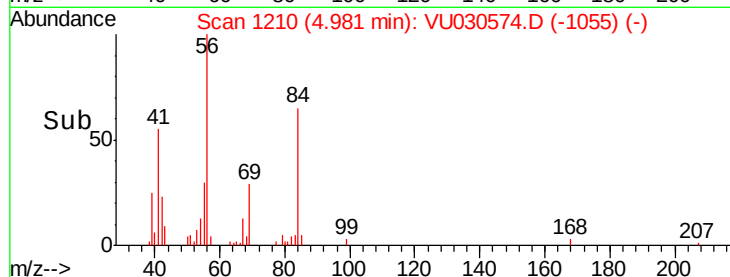
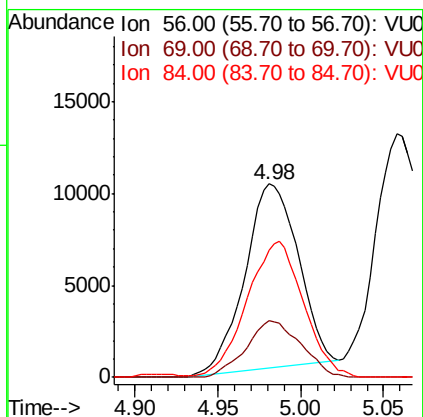
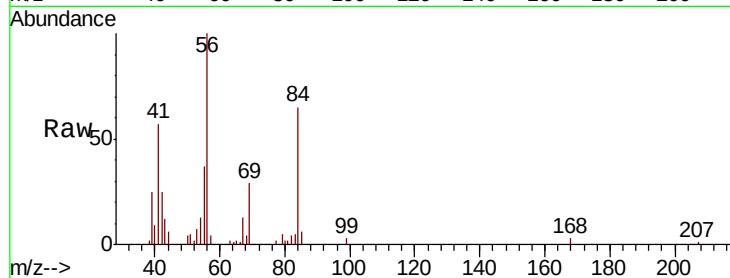




#19
Cyclohexane
Concen: 1.029 ug/l
RT: 4.98 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

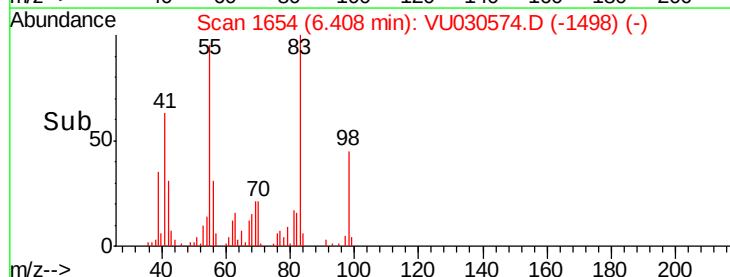
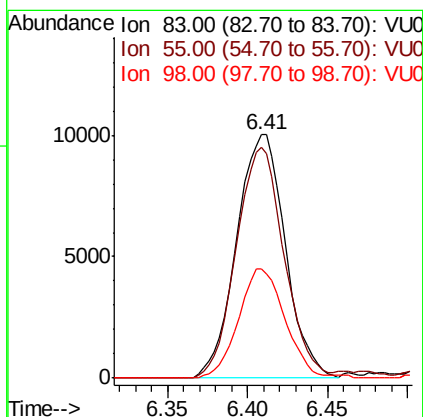
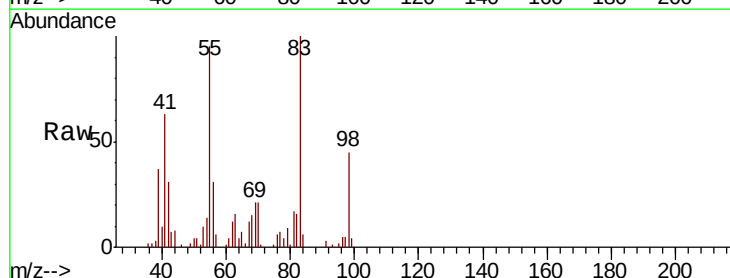
Instrument :
MSVOA_U
ClientSampleId :

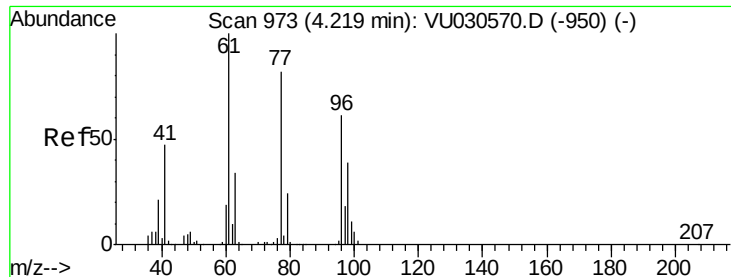
Tot Ion: 56 Resp: 22492
Ion Ratio Lower Upper
56 100
69 31.6 22.3 33.5
84 76.8 57.6 86.4



#20
Methylcyclohexane
Concen: 0.905 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 83 Resp: 20890
Ion Ratio Lower Upper
83 100
55 90.1 72.0 108.0
98 41.4 35.0 52.4





#21

2,2-Dichloropropane

Concen: 1.074 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

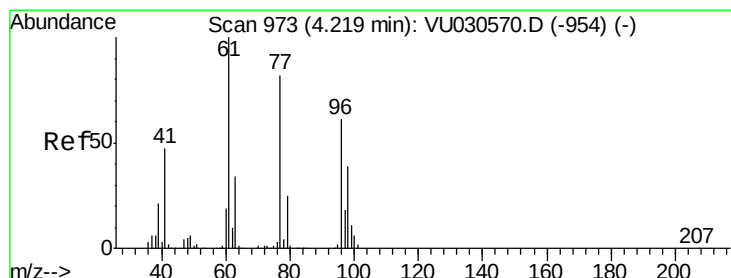
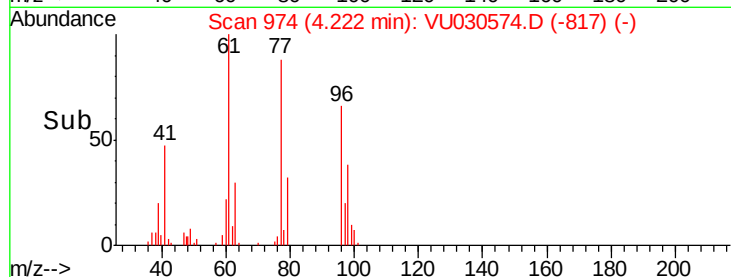
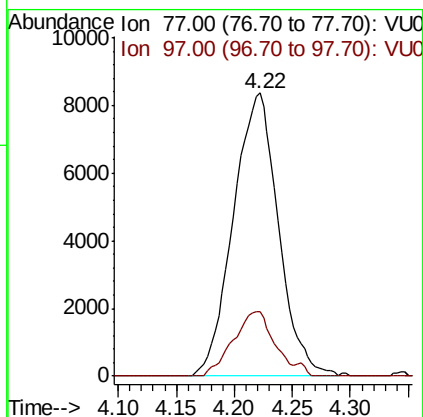
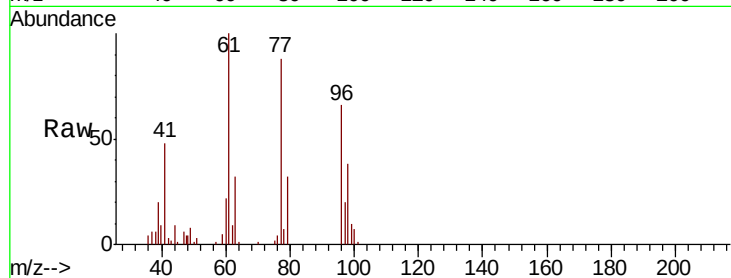
ClientSampleId :

Tot Ion: 77 Resp: 22643

Ion Ratio Lower Upper

77 100

97 20.6 17.6 26.4



#22

cis-1,2-Dichloroethene

Concen: 0.998 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

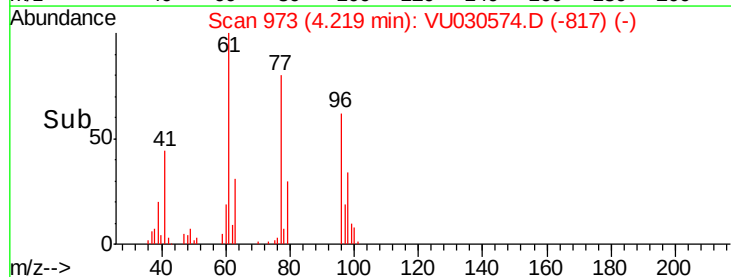
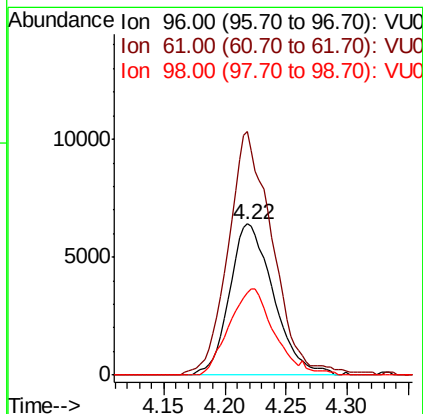
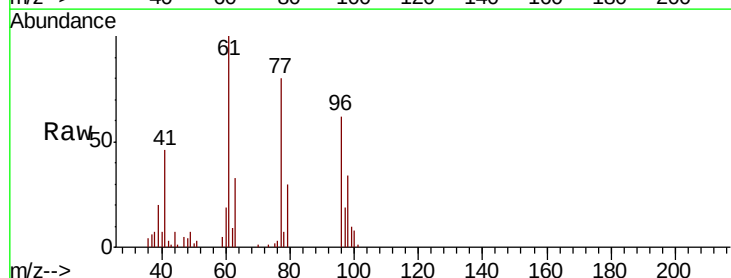
Tgt Ion: 96 Resp: 16021

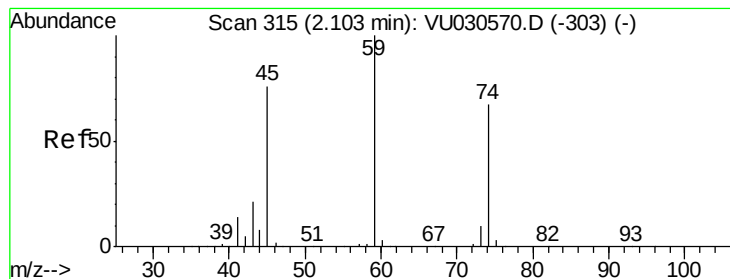
Ion Ratio Lower Upper

96 100

61 163.5 0.0 427.0

98 59.0 32.5 97.4





#23

Diethyl Ether

Concen: 1.247 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :

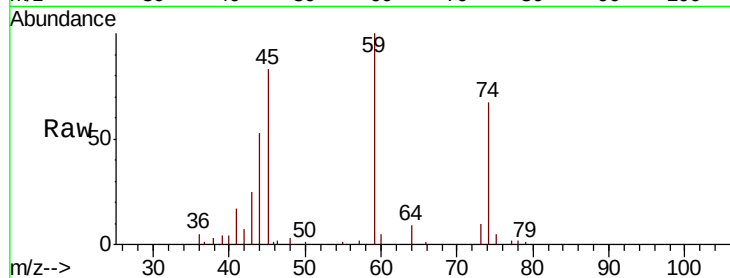
Tot Ion: 59 Resp: 12295

Ion Ratio Lower Upper

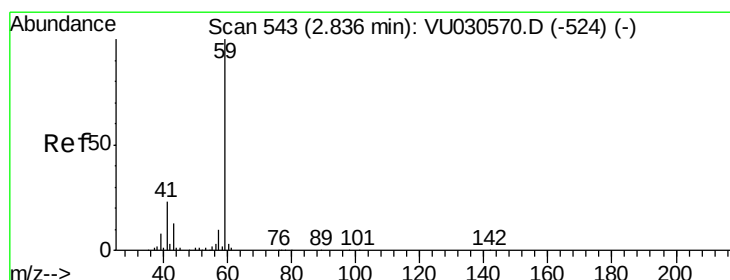
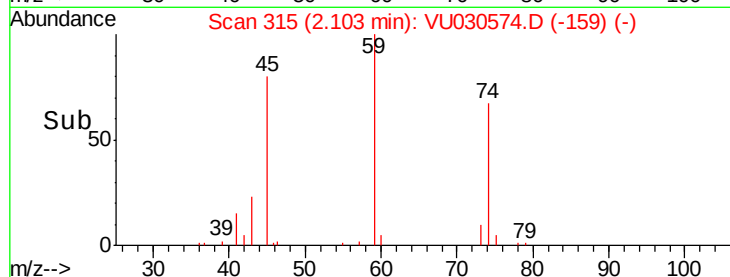
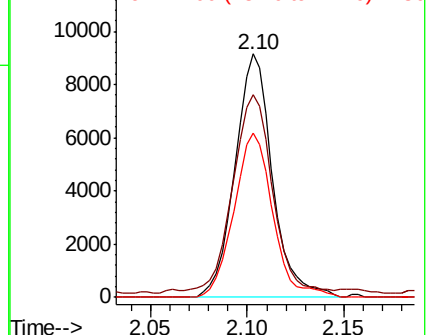
59 100

45 83.4 61.6 92.4

74 70.1 53.2 79.8



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



#24

tert-Butyl Alcohol

Concen: 13.579 ug/l

RT: 2.84 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU030574.D

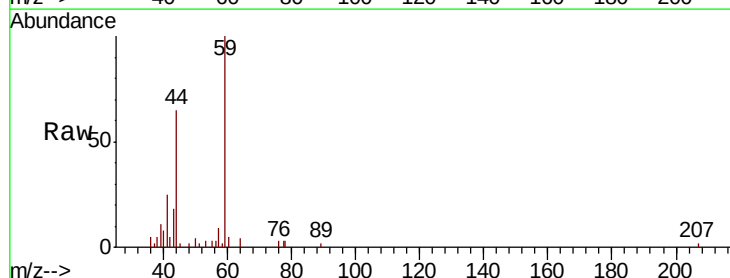
Acq: 30 Mar 2019 14:44

Tgt Ion: 59 Resp: 14287

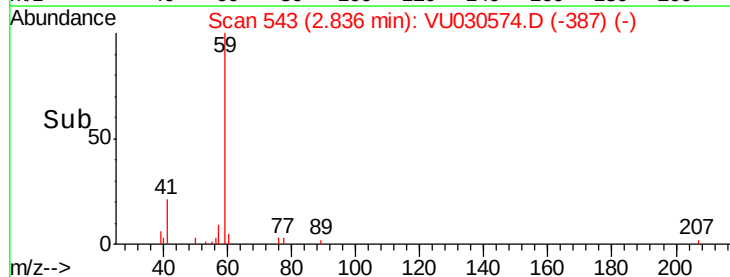
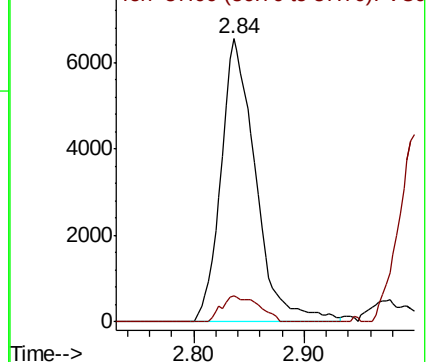
Ion Ratio Lower Upper

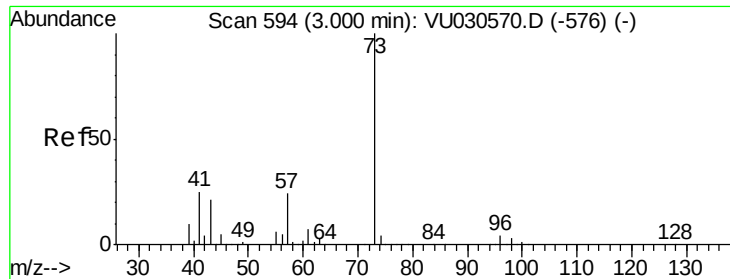
59 100

57 9.8 8.4 12.6



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



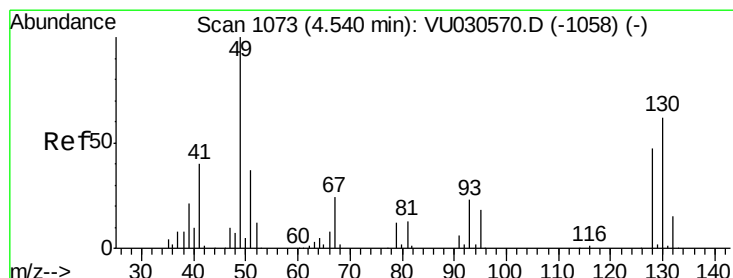
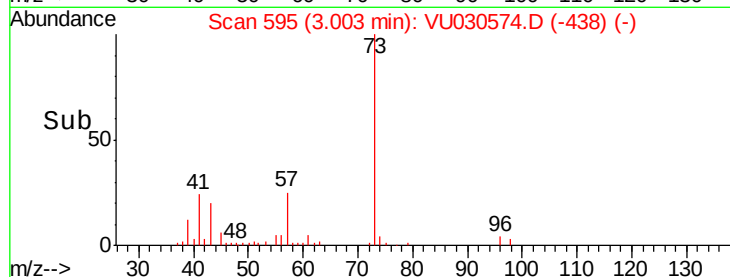
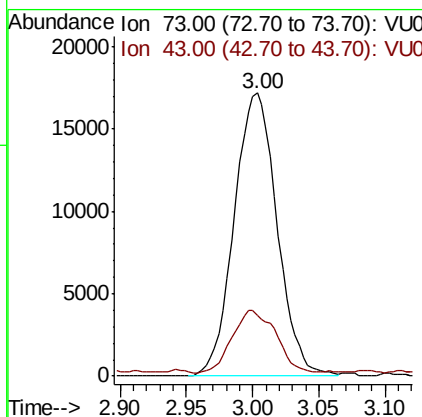
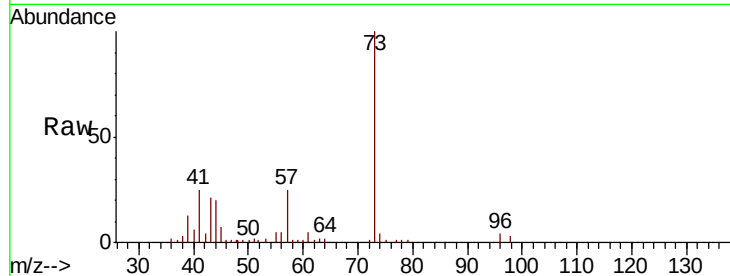


#25

Methyl tert-Butyl Ether
 Concen: 1.181 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :

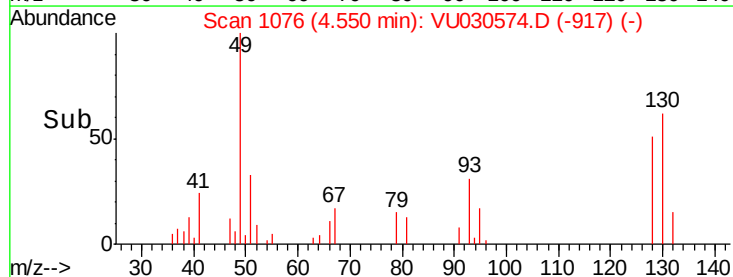
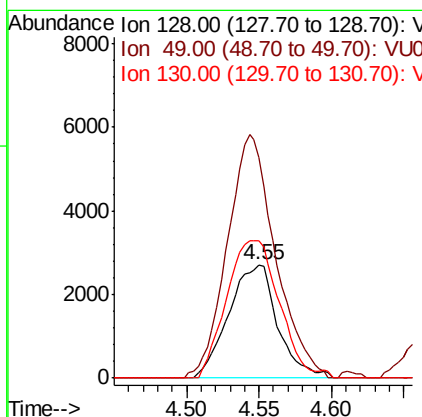
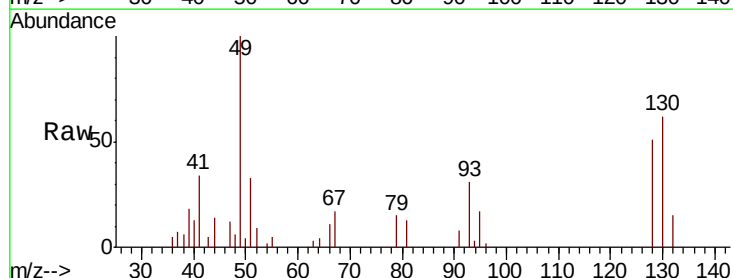
Tot Ion: 73 Resp: 38710
 Ion Ratio Lower Upper
 73 100
 43 21.9 16.6 24.8

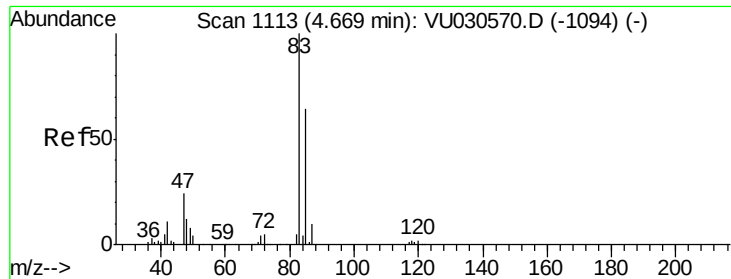


#26

Bromochloromethane
 Concen: 0.920 ug/l
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion: 128 Resp: 6353
 Ion Ratio Lower Upper
 128 100
 49 211.0 0.0 418.2
 130 129.8 103.4 155.0

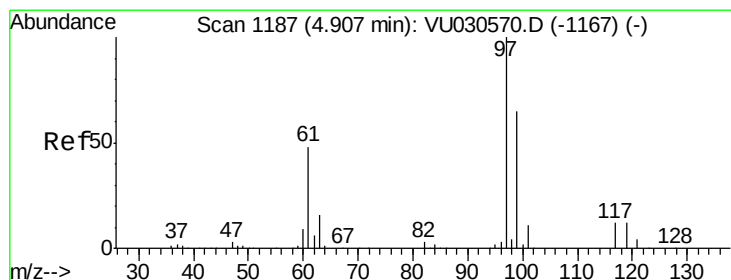
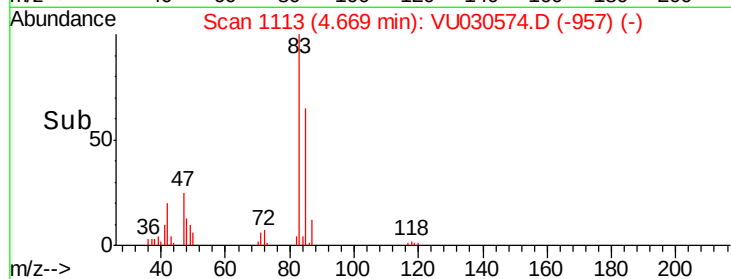
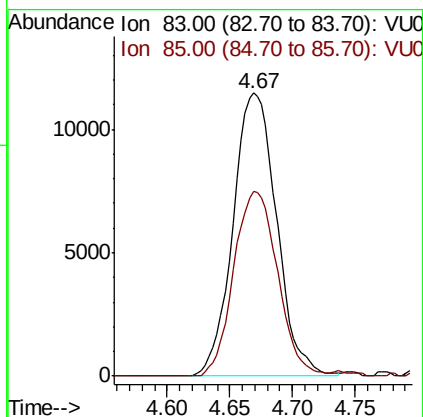
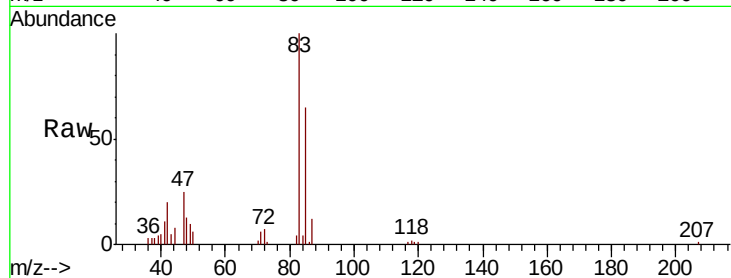




#27
Chloroform
Concen: 1.051 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

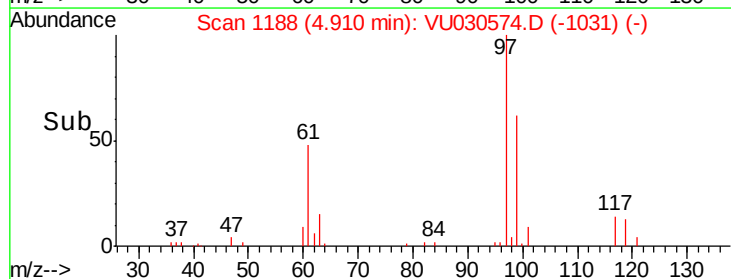
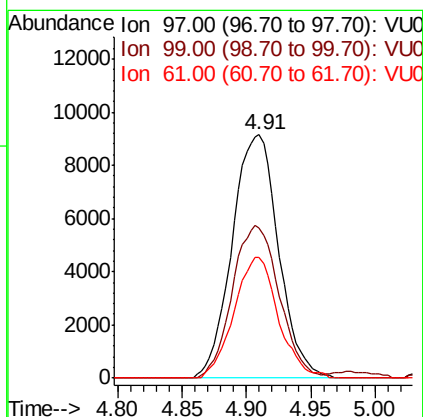
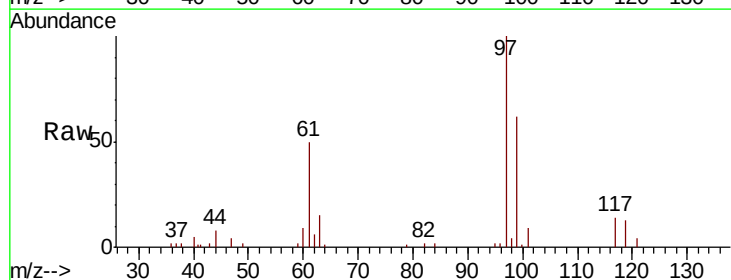
Instrument :
MSVOA_U
ClientSampled :

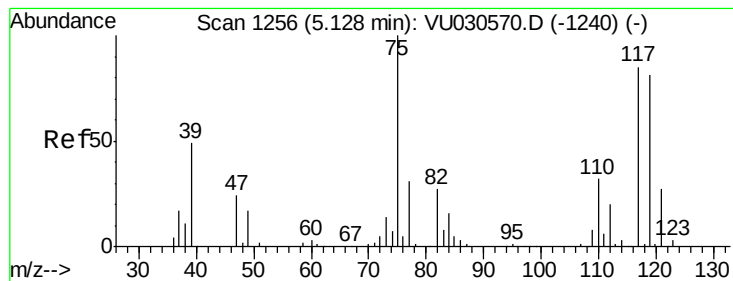
Tot Ion: 83 Resp: 27711
Ion Ratio Lower Upper
83 100
85 65.4 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 1.065 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 97 Resp: 22906
Ion Ratio Lower Upper
97 100
99 63.3 32.0 96.0
61 47.4 24.0 72.0





#29

1,1-Dichloropropene

Concen: 1.032 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

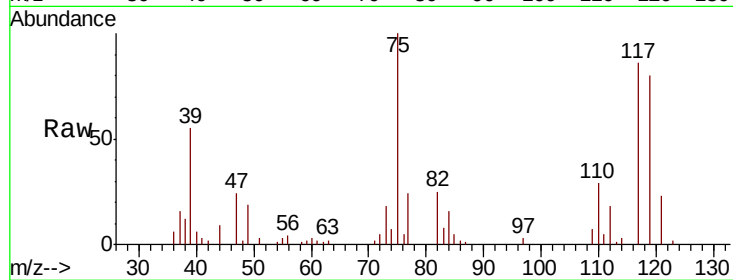
Tot Ion: 75 Resp: 20185

Ion Ratio Lower Upper

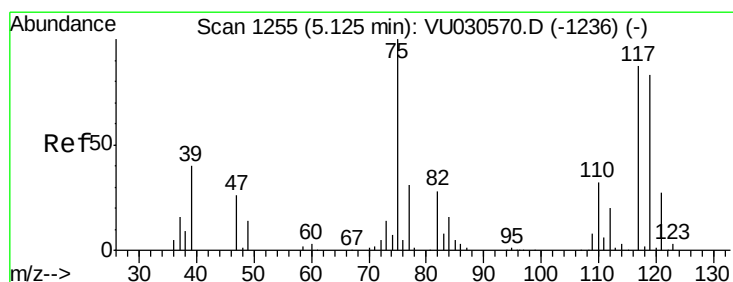
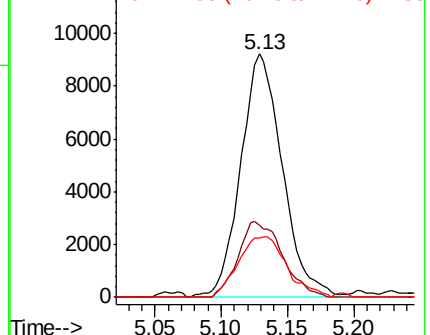
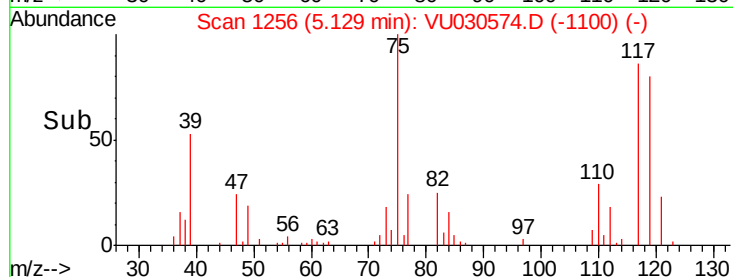
75 100

110 32.9 16.0 48.0

77 28.9 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VU030574.D (-1240) (-)



#30

Carbon Tetrachloride

Concen: 0.979 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

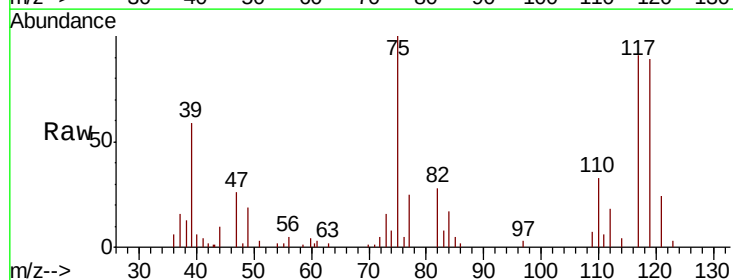
Tgt Ion: 117 Resp: 18678

Ion Ratio Lower Upper

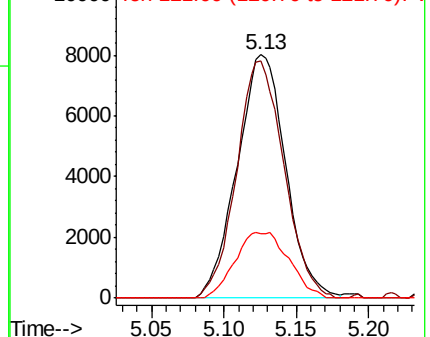
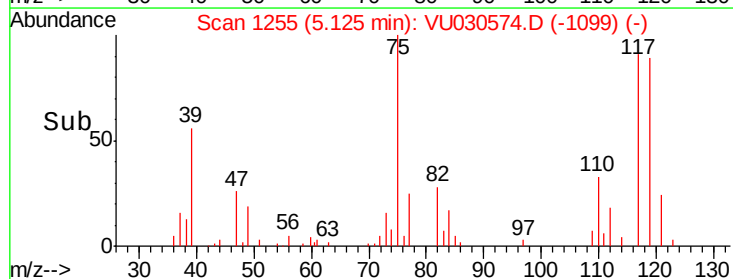
117 100

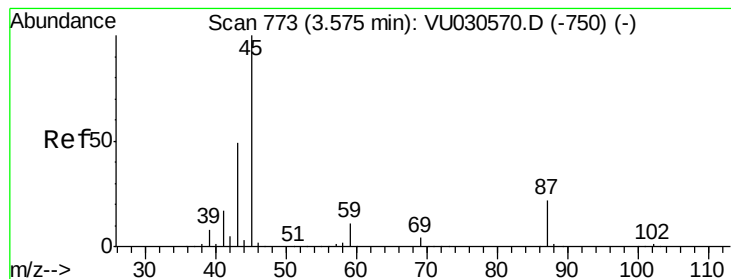
119 97.2 76.4 114.6

121 26.5 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): VU030574.D (-1236) (-)





#31

Isopropyl Ether

Concen: 1.339 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

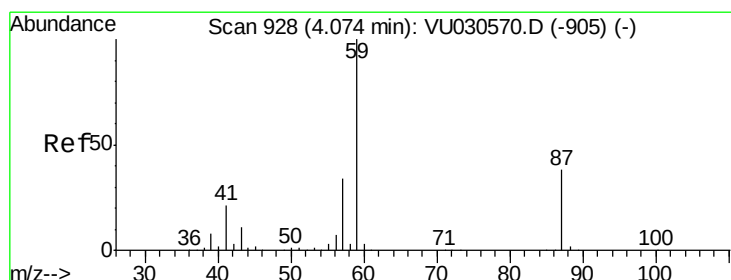
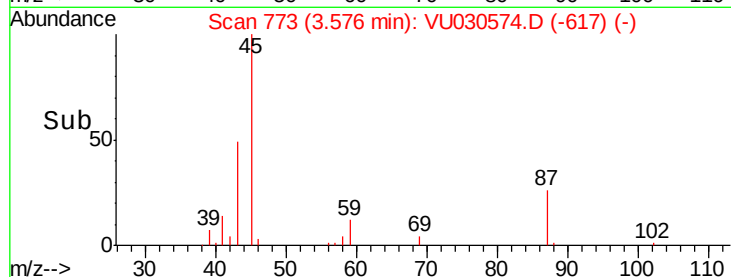
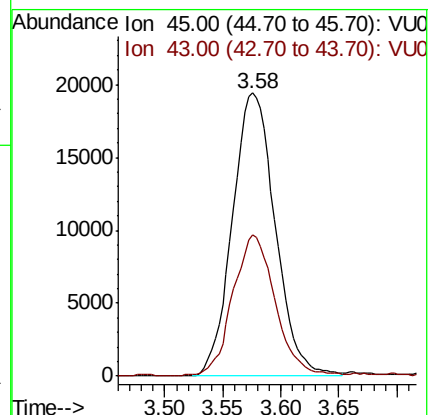
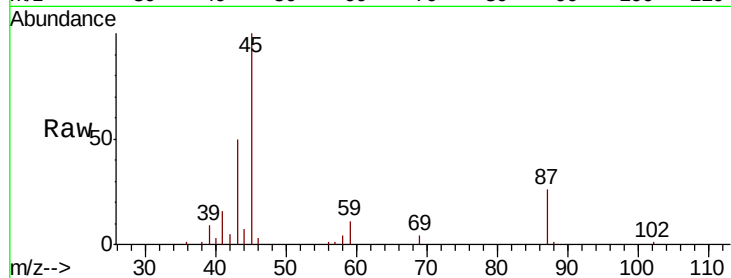
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 45 Resp: 49749

Ion Ratio Lower Upper

45 100

43 49.7 25.0 75.0



#32

Ethyl-t-butyl ether

Concen: 1.103 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU030574.D

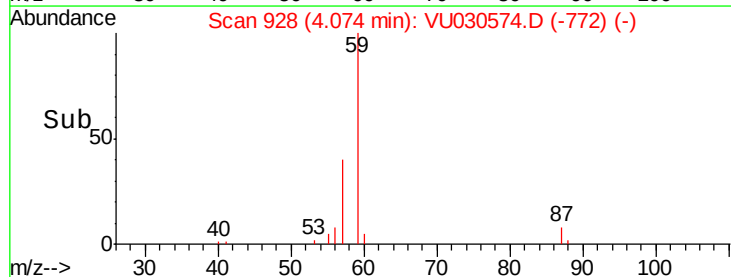
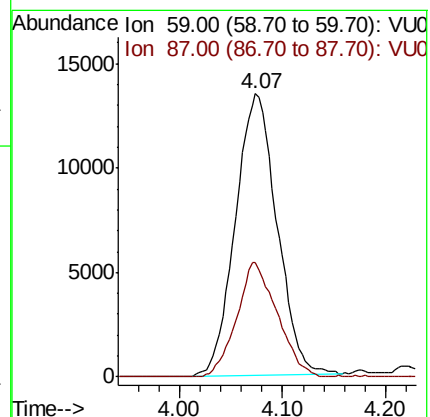
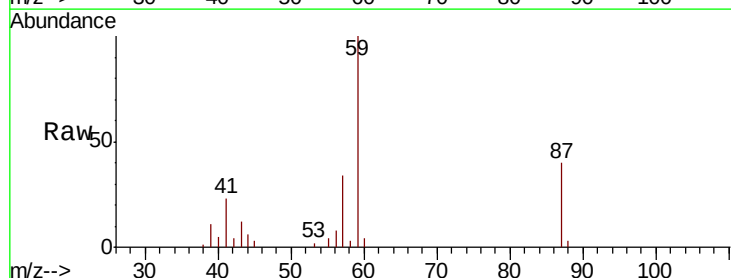
Acq: 30 Mar 2019 14:44

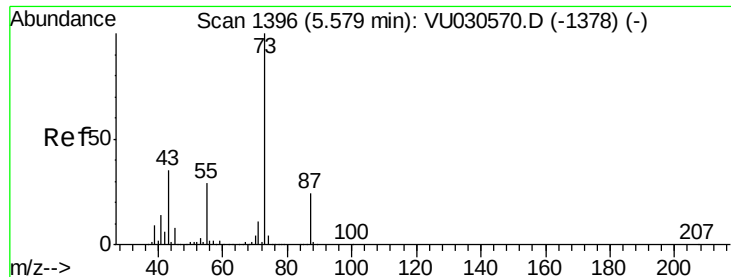
Tgt Ion: 59 Resp: 37931

Ion Ratio Lower Upper

59 100

87 39.4 30.1 45.1

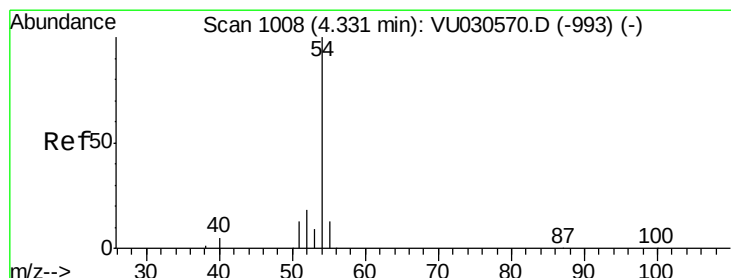
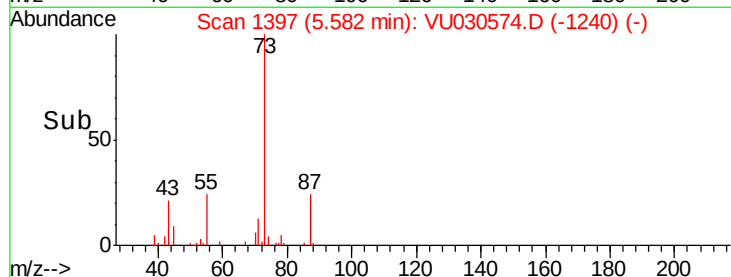
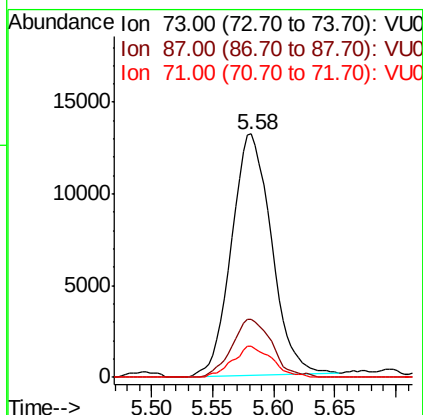
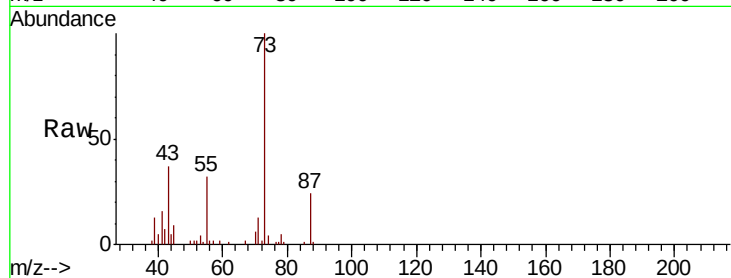




#33
Tert-Butyl methyl ether
Concen: 0.970 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

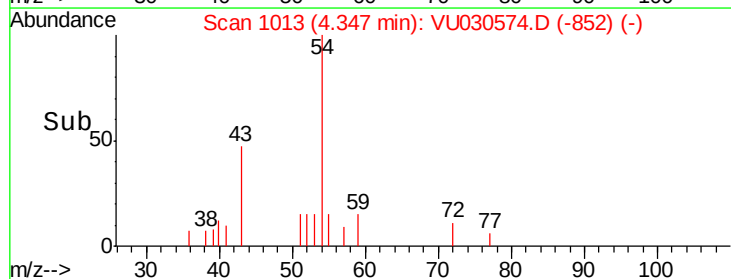
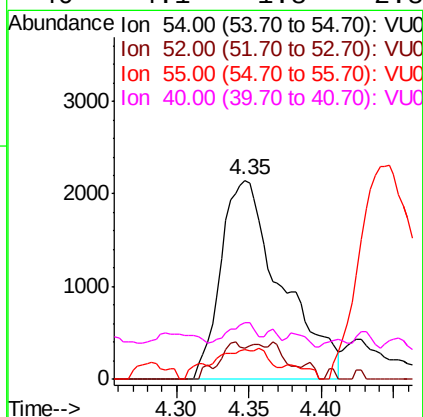
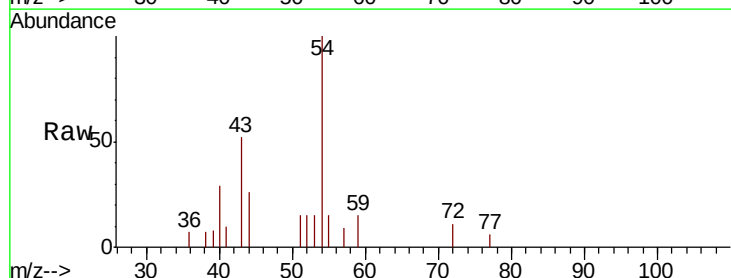
Instrument :
MSVOA_U
ClientSampleId :

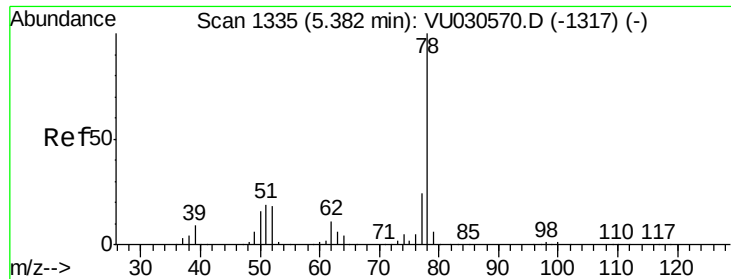
Tot Ion	Ratio	Lower	Upper
73	100		
87	24.3	18.6	27.8
71	12.7	9.0	13.4



#34
Propionitrile
Concen: 6.392 ug/l
RT: 4.35 min Scan# 1013
Delta R.T. 0.02 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
54	100		
52	7.8	14.1	21.1#
55	4.0	10.4	15.6#
40	4.1	1.8	2.8#





#35

Benzene

Concen: 1.037 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

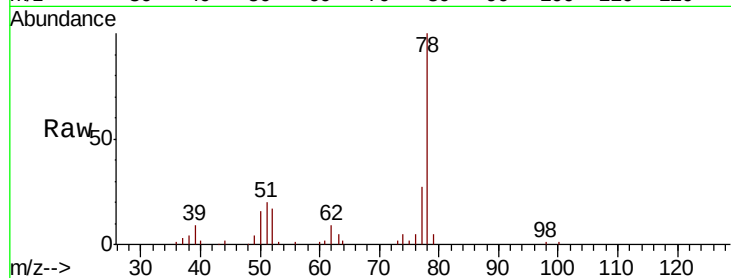
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 59532

Ion Ratio Lower Upper

78 100

77 26.6 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VU030570.D (-1317) (-)

Ion 77.00 (76.70 to 77.70): VU030570.D (-1317) (-)

5.38

30000

25000

20000

15000

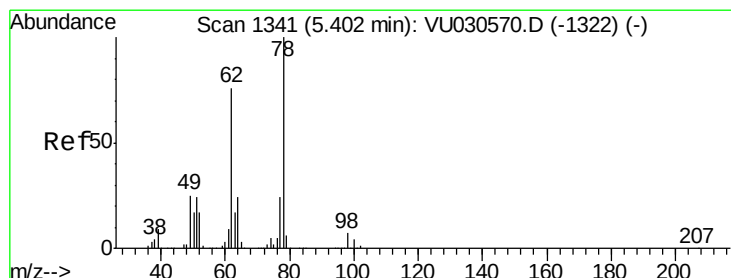
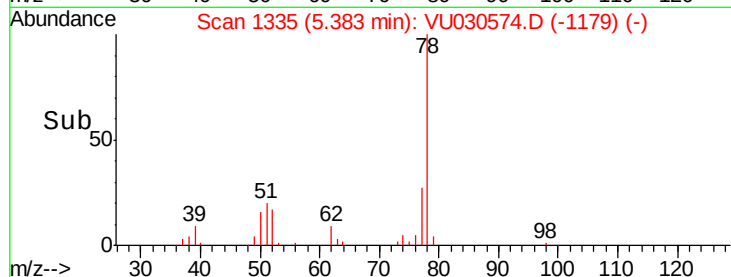
10000

5000

0

Time-->

5.30 5.35 5.40 5.45



#36

1,2-Dichloroethane

Concen: 1.243 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030574.D

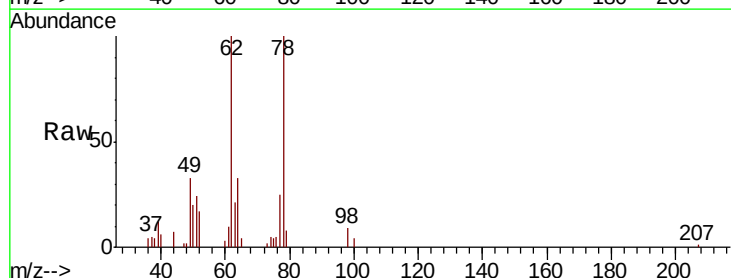
Acq: 30 Mar 2019 14:44

Tgt Ion: 62 Resp: 19603

Ion Ratio Lower Upper

62 100

98 7.6 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU030570.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030570.D (-1322) (-)

5.41

10000

8000

6000

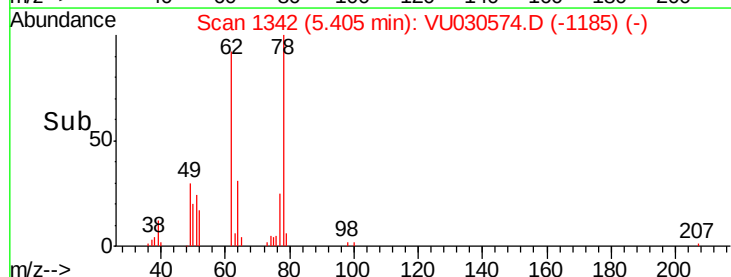
4000

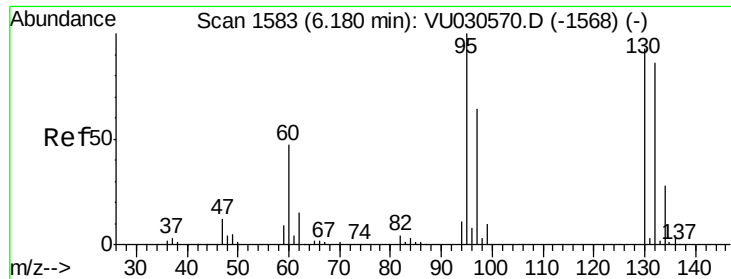
2000

0

Time-->

5.30 5.35 5.40 5.45 5.50

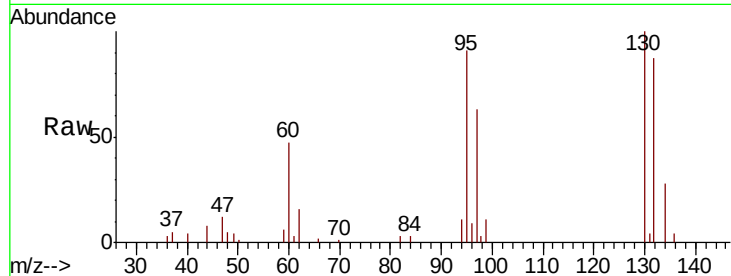




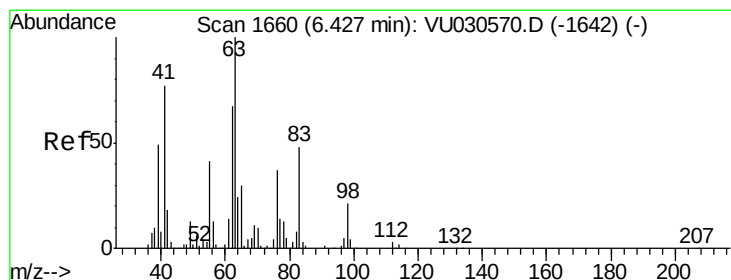
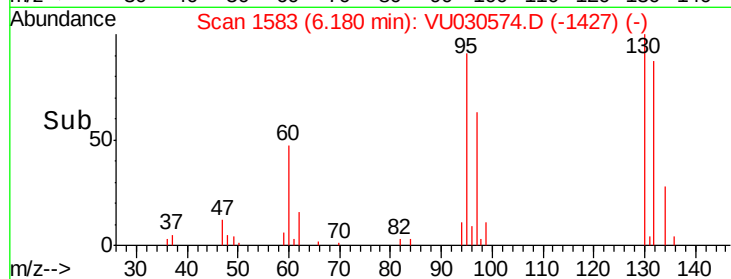
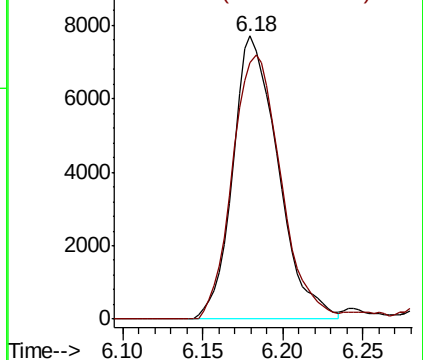
#37
 Trichloroethene
 Concen: 0.930 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:130 Resp: 14881
 Ion Ratio Lower Upper
 130 100
 95 90.7 85.8 128.8

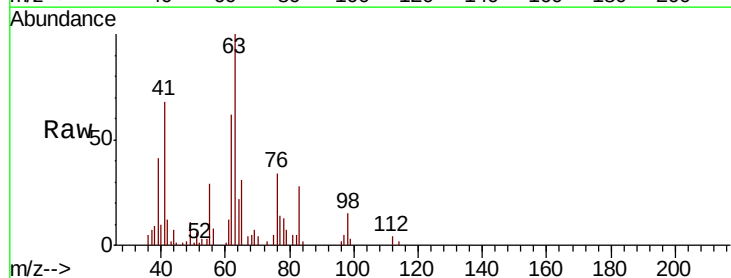


Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)

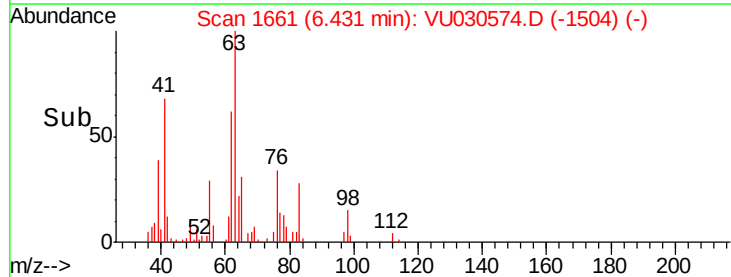
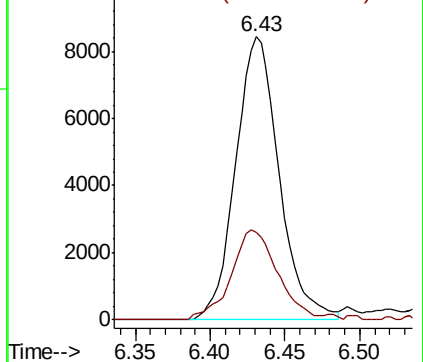


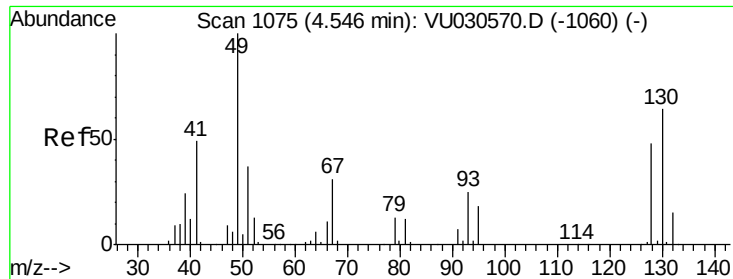
#38
 1,2-Dichloropropane
 Concen: 1.149 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion: 63 Resp: 17054
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.9 35.9



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





#39

Methacrylonitrile

Concen: 1.322 ug/l

RT: 4.56 min Scan# 1080

Delta R.T. 0.02 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 41 Resp: 5732

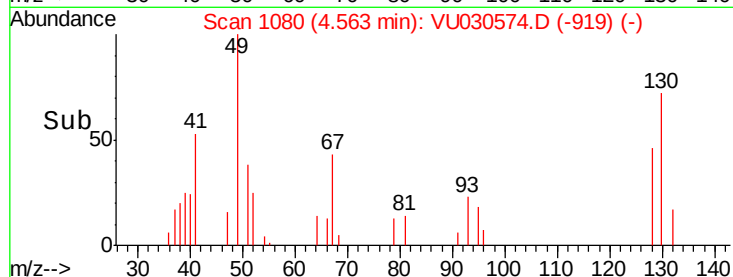
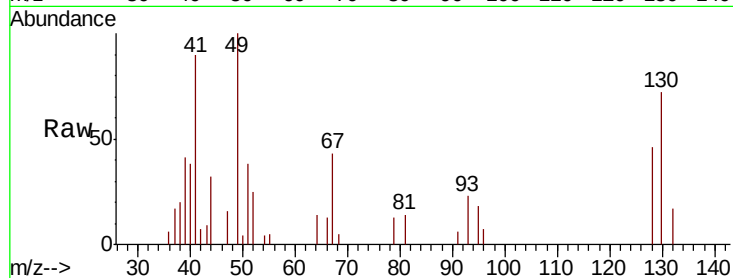
Ion Ratio Lower Upper

41 100

67 49.6 50.2 75.4#

39 35.6 40.7 61.1#

52 24.2 23.0 34.4

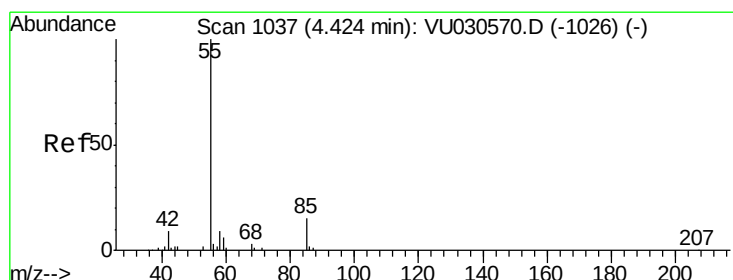
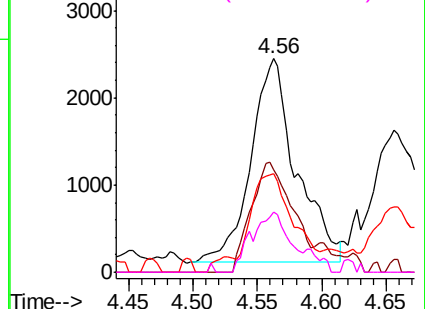


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 1.127 ug/l

RT: 4.45 min Scan# 1044

Delta R.T. 0.02 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Tgt Ion: 55 Resp: 7440

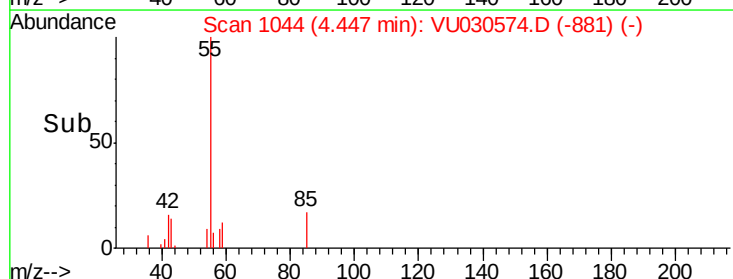
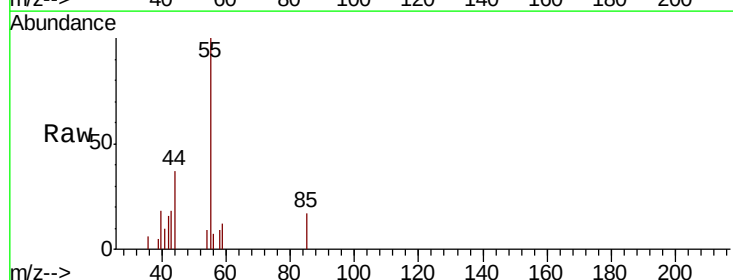
Ion Ratio Lower Upper

55 100

85 13.5 12.5 18.7

58 2.1 6.3 9.5#

42 8.3 7.4 11.2

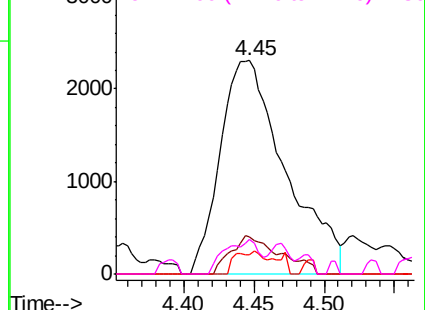


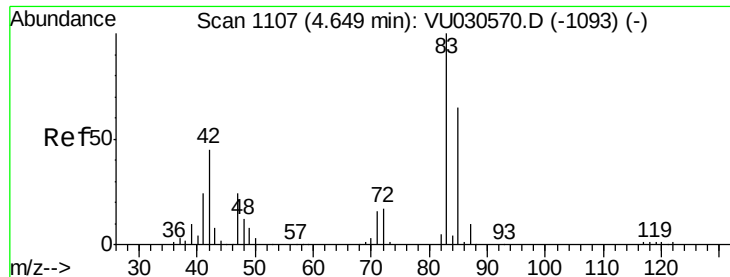
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 2.895 ug/l

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

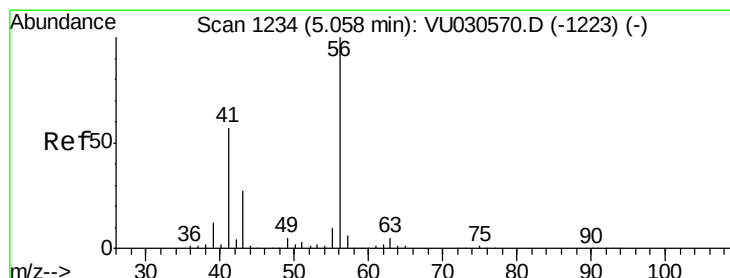
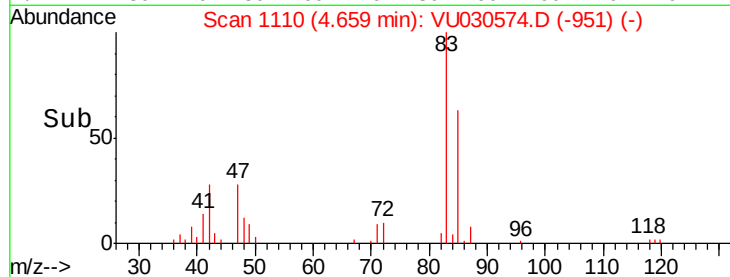
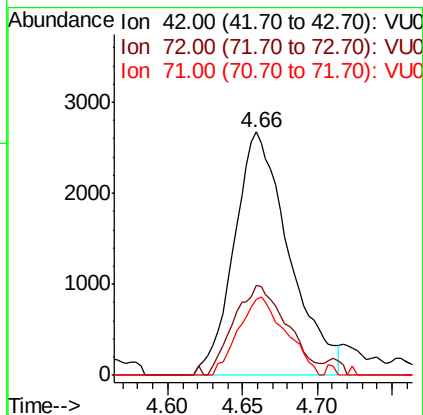
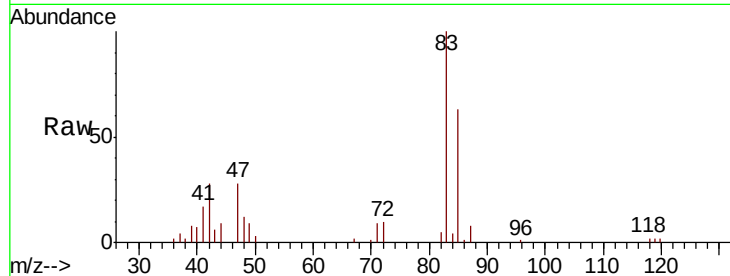
Tot Ion: 42 Resp: 6822

Ion Ratio Lower Upper

42 100

72 35.7 33.4 50.0

71 27.8 28.8 43.2#



#42

1-Chlorobutane

Concen: 1.118 ug/l

RT: 5.06 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU030574.D

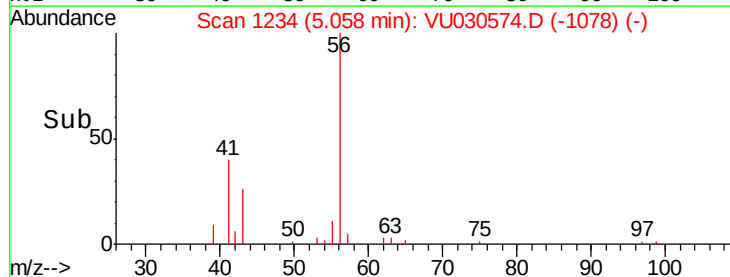
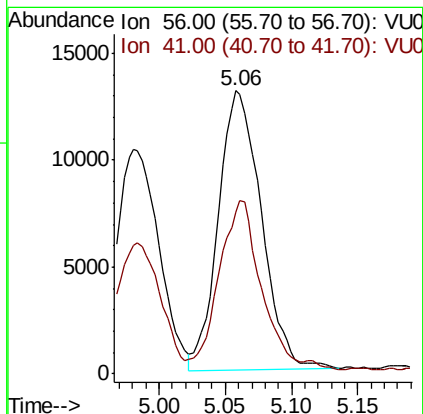
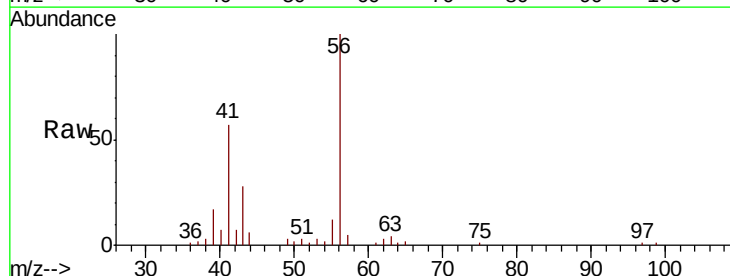
Acq: 30 Mar 2019 14:44

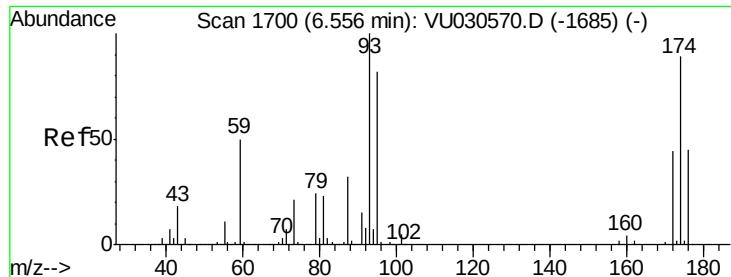
Tgt Ion: 56 Resp: 29577

Ion Ratio Lower Upper

56 100

41 54.2 28.5 85.6

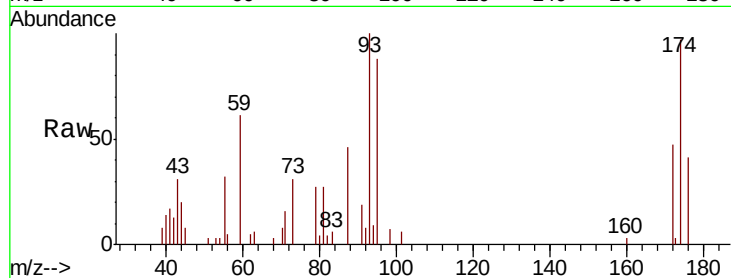




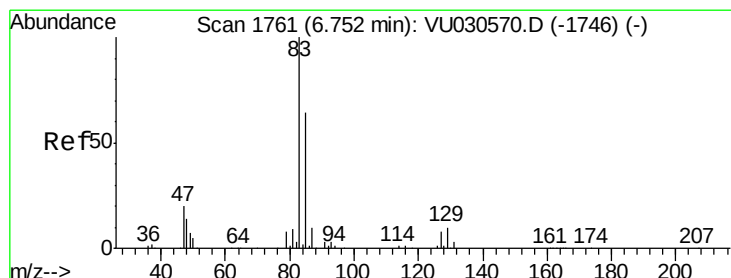
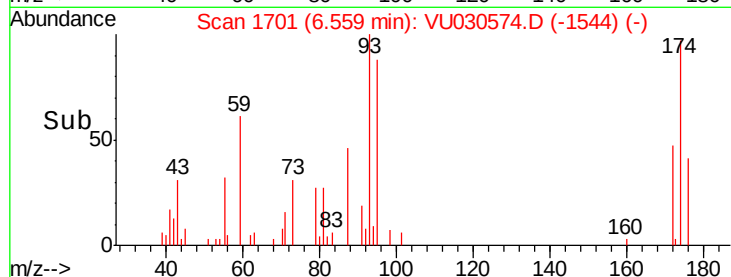
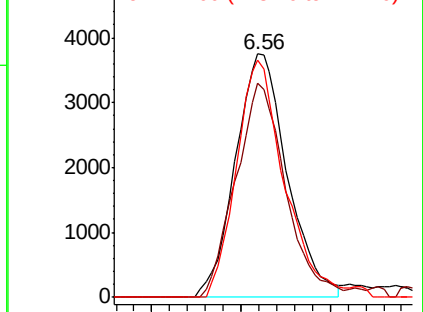
#43
Dibromomethane
Concen: 1.010 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 93 Resp: 7597
Ion Ratio Lower Upper
93 100
95 84.7 63.9 95.9
174 90.4 71.0 106.4

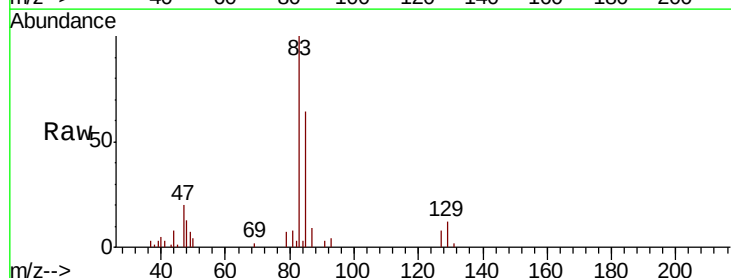


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

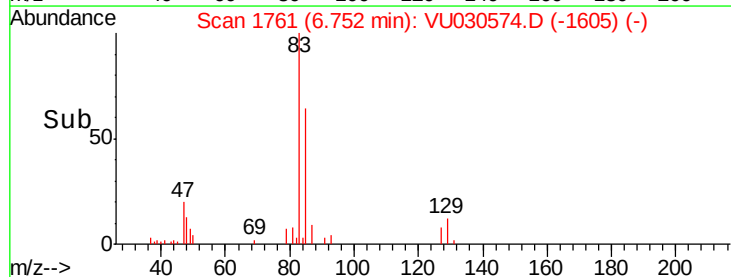
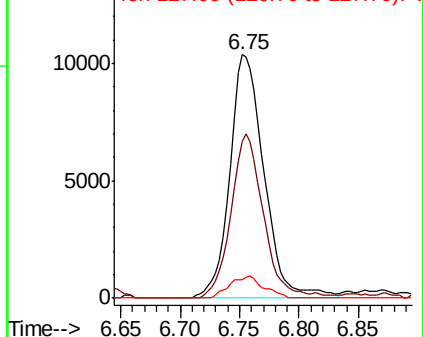


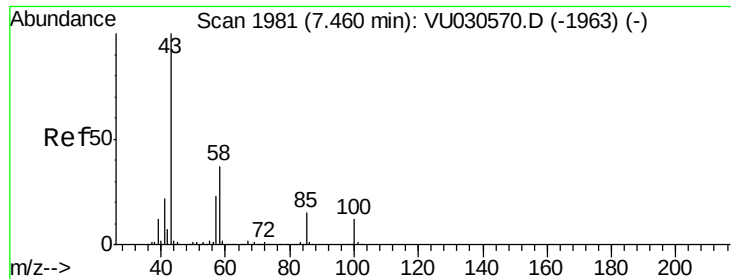
#44
Bromodichloromethane
Concen: 1.140 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 83 Resp: 20704
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7
127 7.8 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V

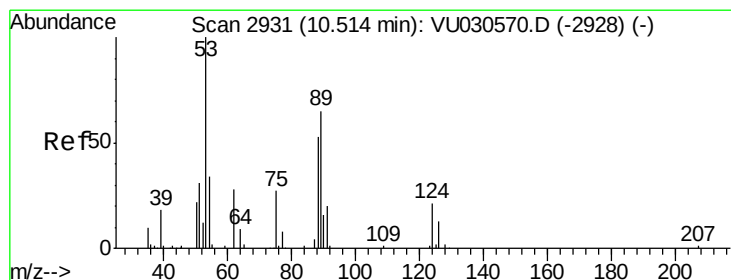
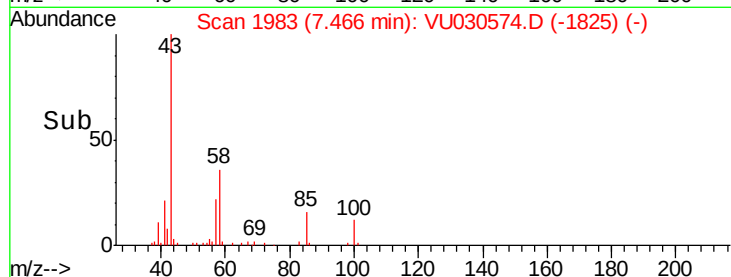
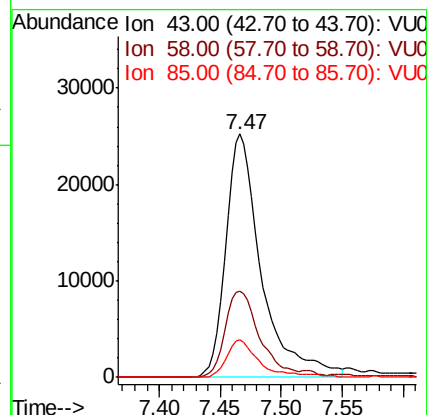
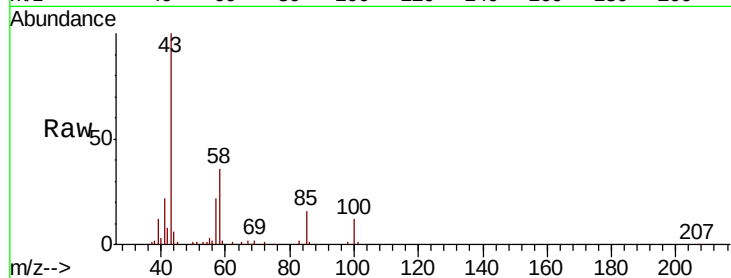




#45
4-Methyl-2-Pentanone
Concen: 6.520 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

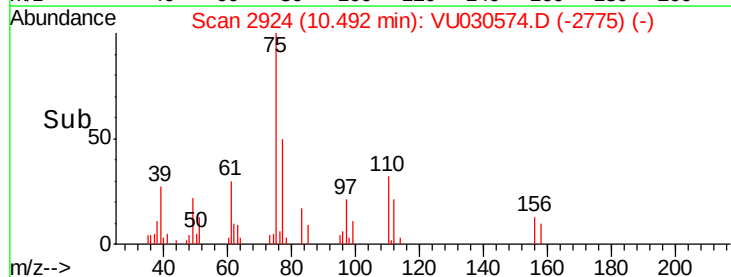
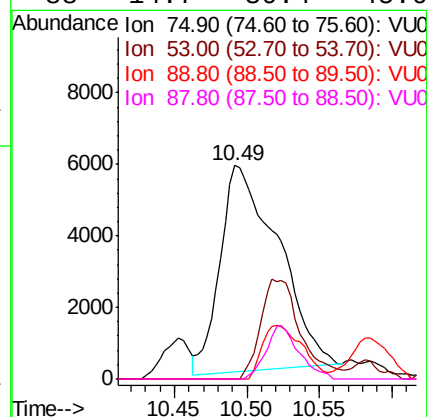
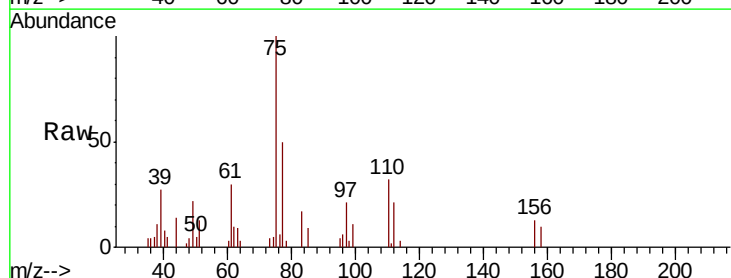
Instrument :
MSVOA_U
ClientSampleId :

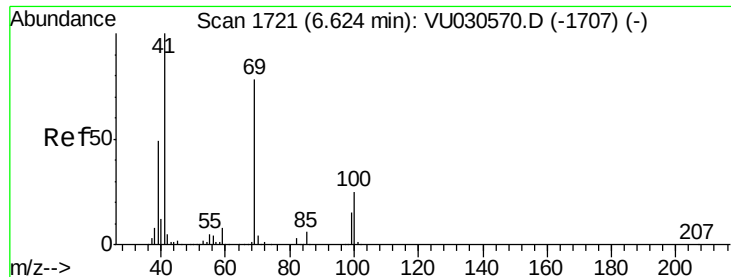
Tot Ion: 43 Resp: 51677
Ion Ratio Lower Upper
43 100
58 34.2 18.6 55.8
85 13.6 11.8 17.6



#46
t-1,4-Dichloro-2-butene
Concen: 5.499 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 75 Resp: 15976
Ion Ratio Lower Upper
75 100
53 33.8 63.4 95.2#
89 18.1 39.1 58.7#
88 14.7 30.4 45.6#

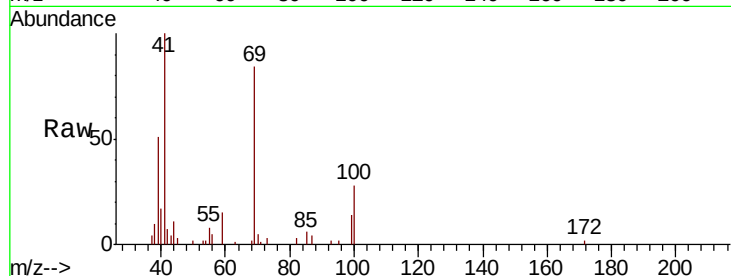




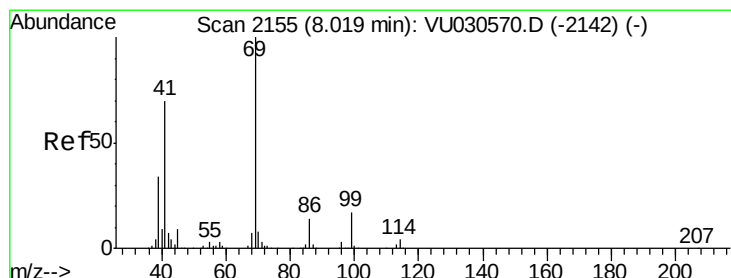
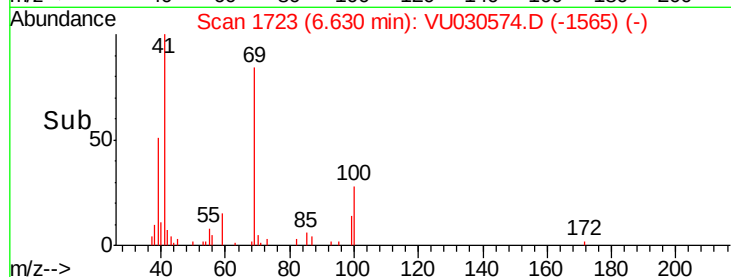
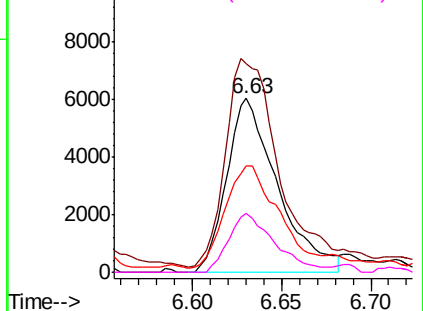
#47
Methyl methacrylate
Concen: 1.881 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 11985
Ion Ratio Lower Upper
69 100
41 129.4 0.0 258.0
39 66.1 51.0 76.4
100 30.9 25.9 38.9

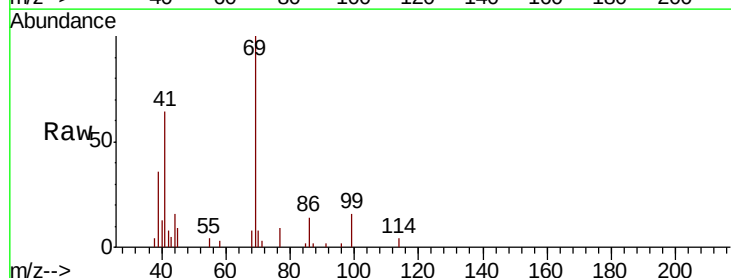


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

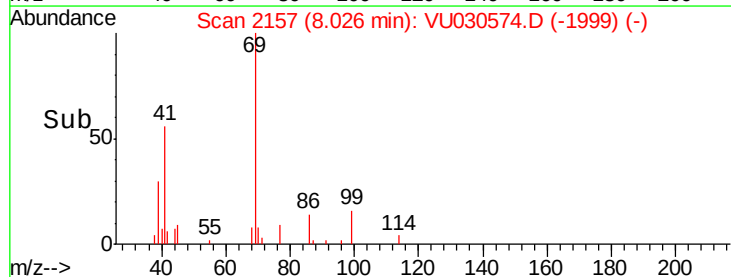
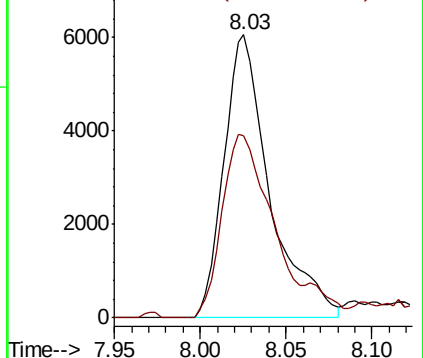


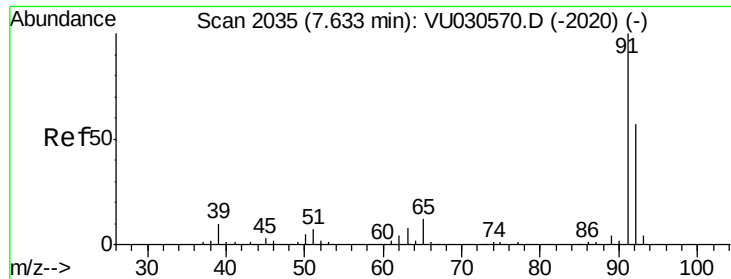
#48
Ethyl methacrylate
Concen: 0.942 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 69 Resp: 11264
Ion Ratio Lower Upper
69 100
41 75.4 36.1 108.5



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.905 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

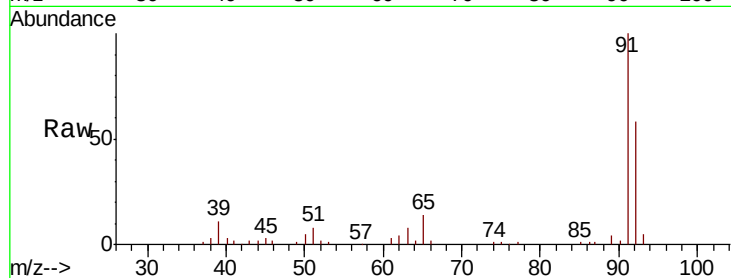
ClientSampleId :

Tot Ion: 92 Resp: 30854

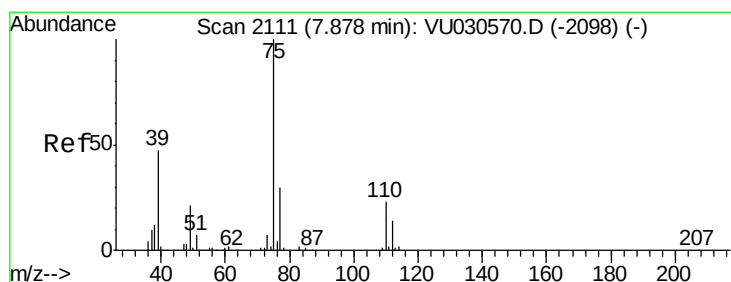
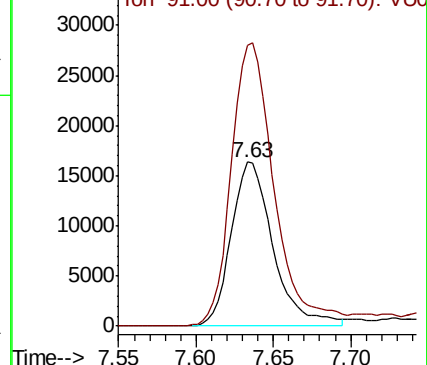
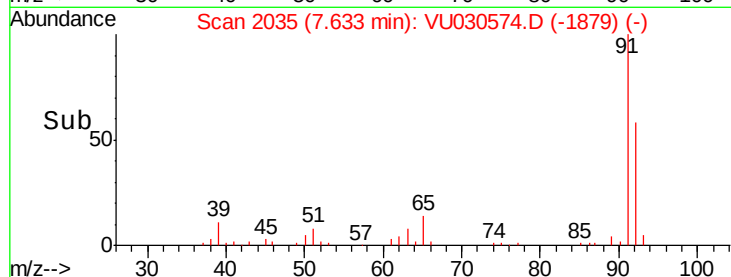
Ion Ratio Lower Upper

92 100

91 177.2 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU030574.D (-1879) (-)



#50

t-1,3-Dichloropropene

Concen: 1.026 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU030574.D

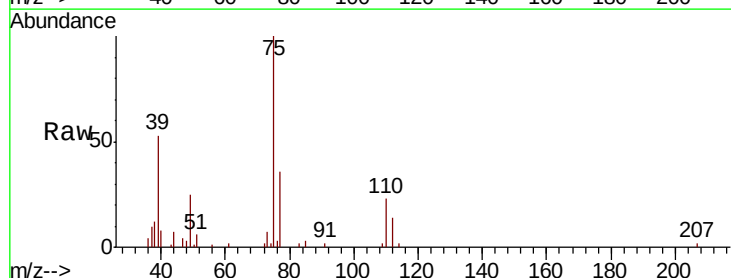
Acq: 30 Mar 2019 14:44

Tgt Ion: 75 Resp: 16605

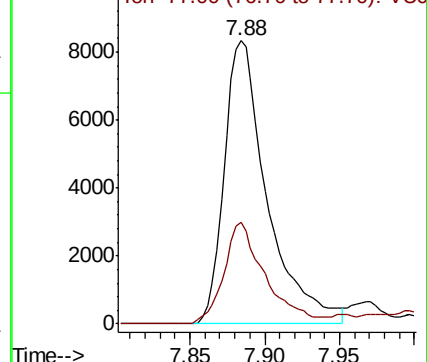
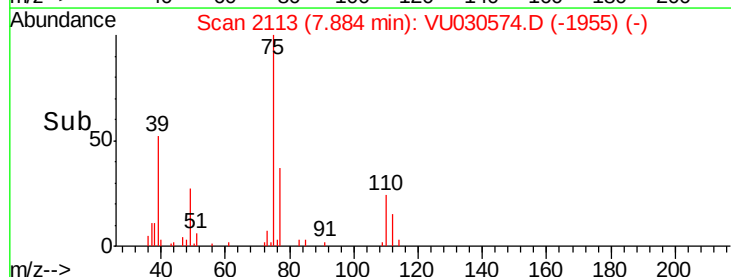
Ion Ratio Lower Upper

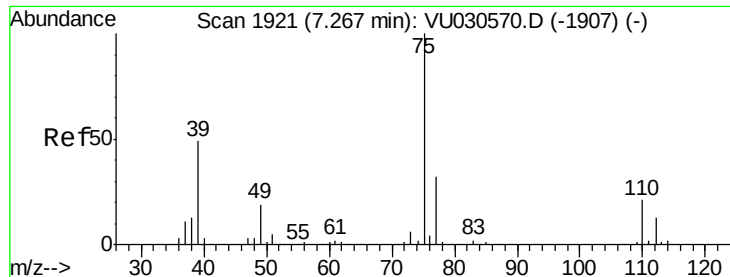
75 100

77 35.9 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030574.D (-1955) (-)

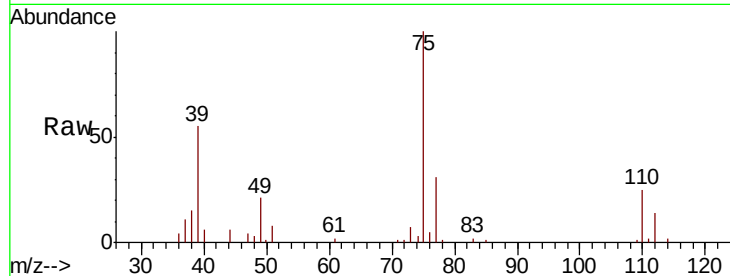




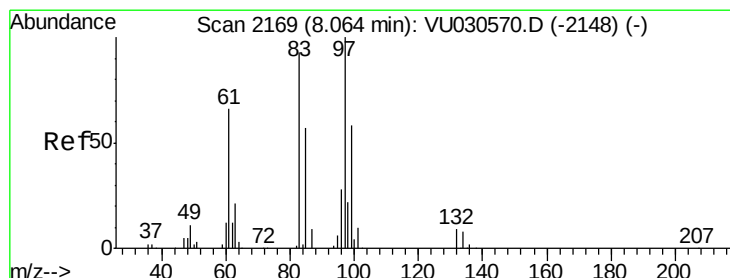
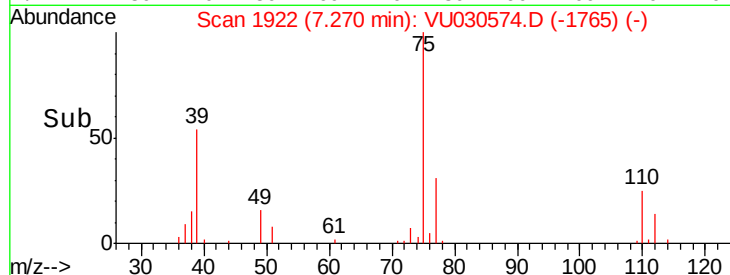
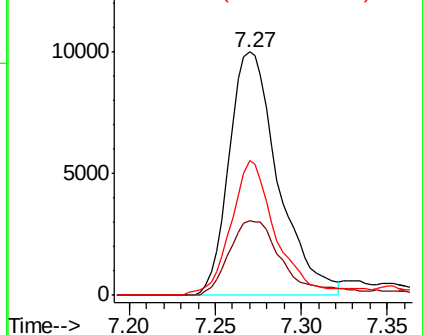
#51
 cis-1,3-Dichloropropene
 Concen: 0.982 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	54.2	39.3	58.9



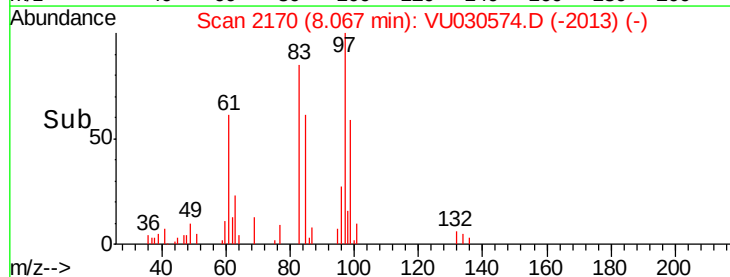
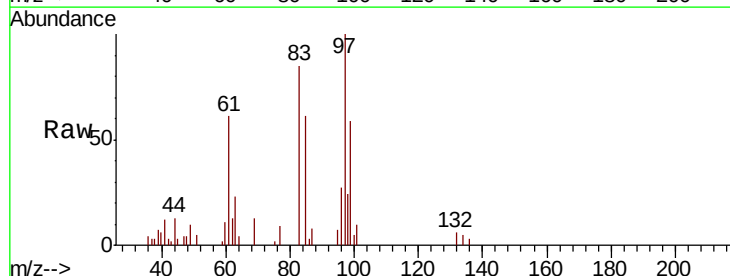
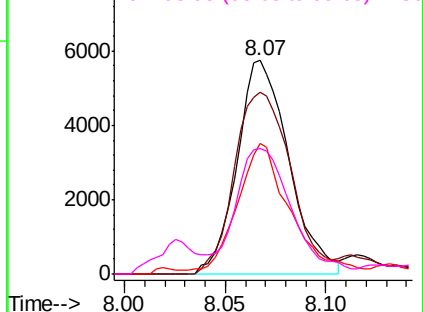
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

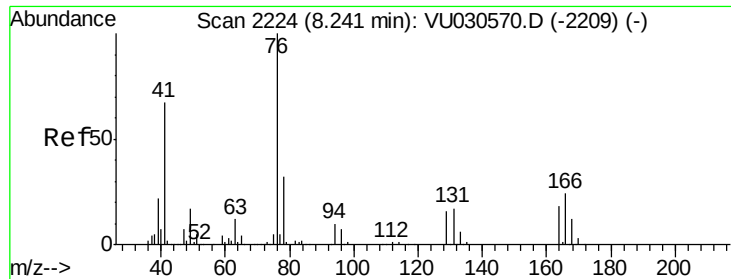


#52
 1,1,2-Trichloroethane
 Concen: 0.980 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	74.3	111.5
85	59.4	45.4	68.0
99	53.4	46.6	70.0

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

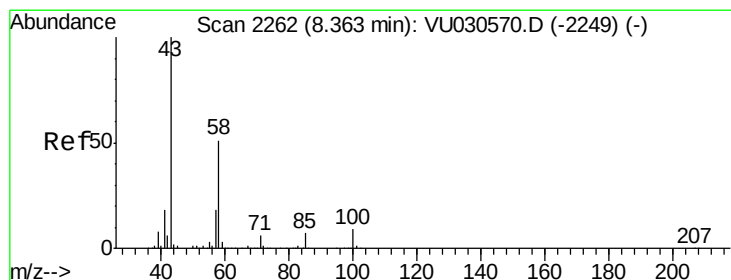
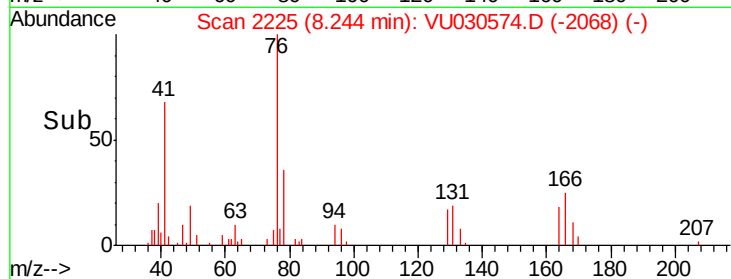
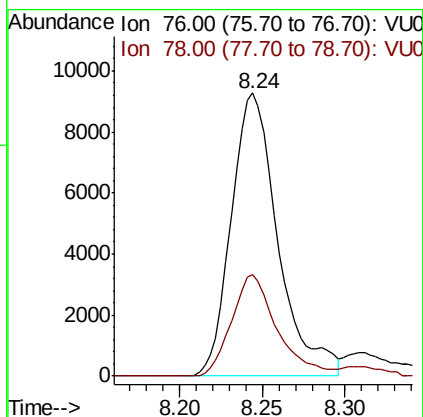
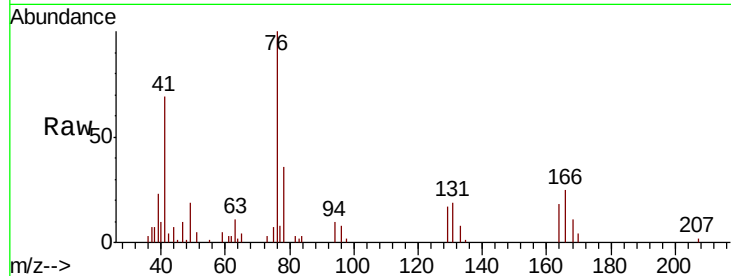




#53
 1,3-Dichloropropane
 Concen: 1.017 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

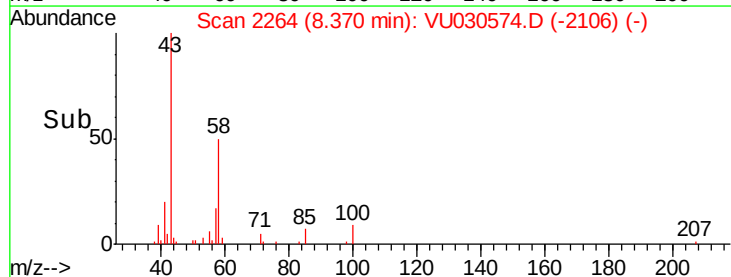
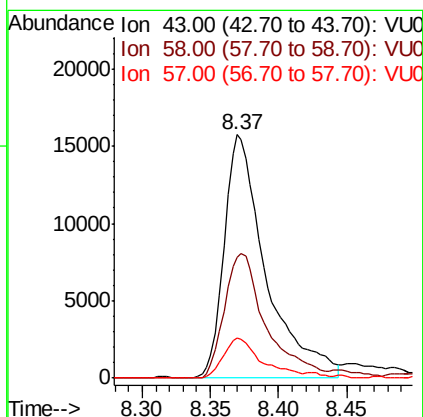
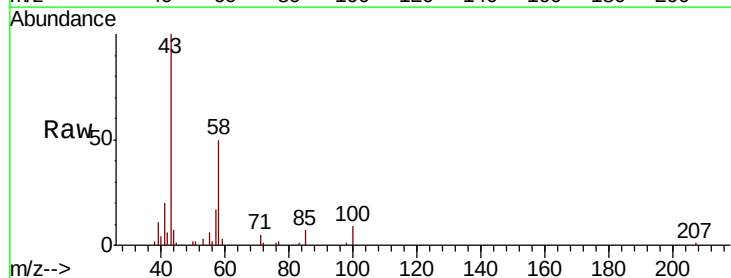
Instrument :
 MSVOA_U
 ClientSampled :

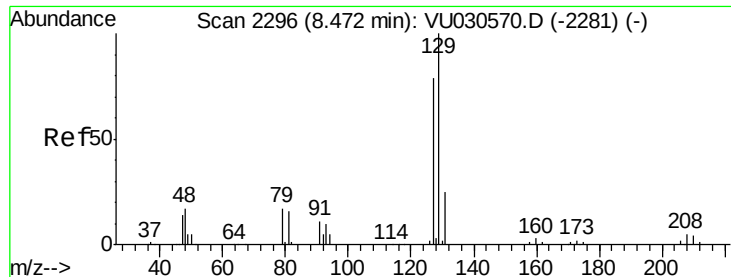
Tot Ion: 76 Resp: 18203
 Ion Ratio Lower Upper
 76 100
 78 34.8 25.3 37.9



#54
 2-Hexanone
 Concen: 5.942 ug/l
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion: 43 Resp: 33586
 Ion Ratio Lower Upper
 43 100
 58 50.9 32.5 72.5
 57 15.0 0.0 37.6

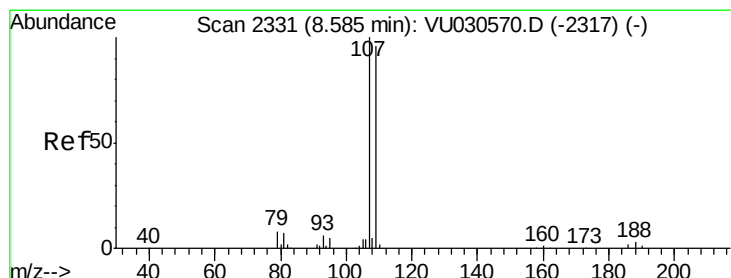
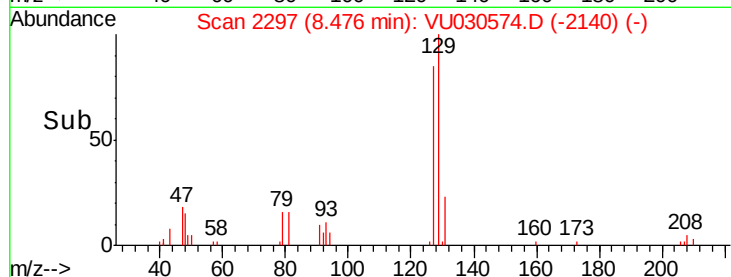
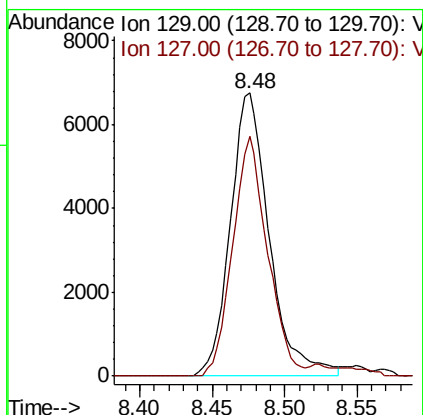
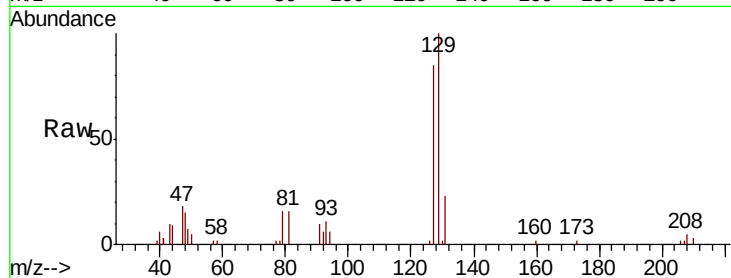




#55
 Dibromochloromethane
 Concen: 1.008 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

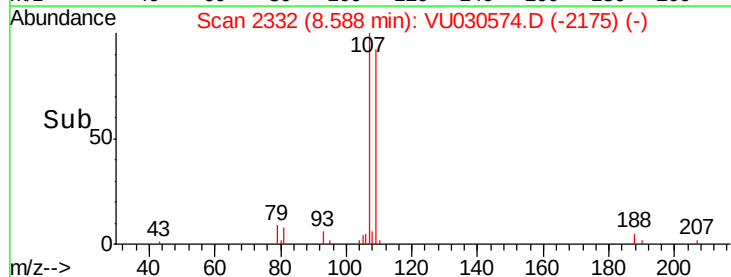
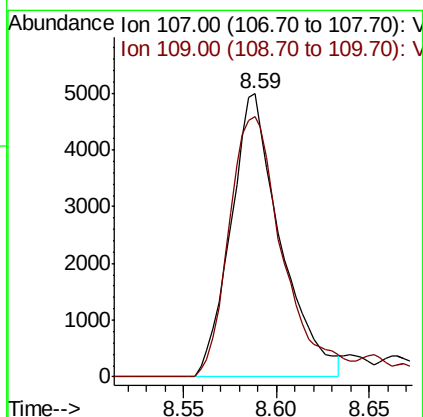
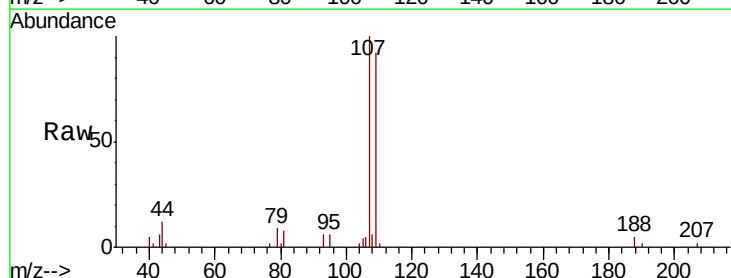
Instrument :
 MSVOA_U
 ClientSampleId :

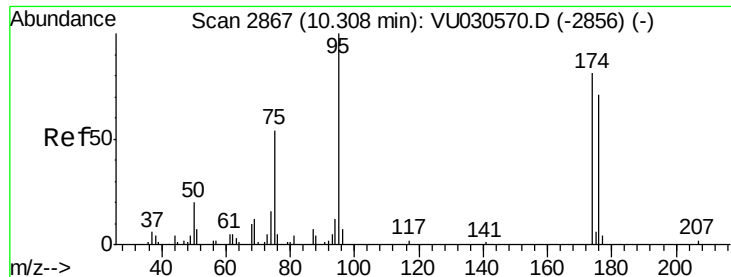
Tot Ion:129 Resp: 12620
 Ion Ratio Lower Upper
 129 100
 127 75.6 62.2 93.4



#56
 1,2-Dibromoethane
 Concen: 0.927 ug/l
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion:107 Resp: 9287
 Ion Ratio Lower Upper
 107 100
 109 99.1 0.0 190.0





#57

4-Bromofluorobenzene

Concen: 0.927 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

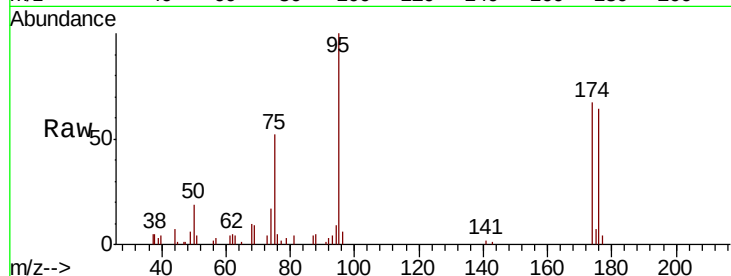
Tot Ion: 95 Resp: 19593

Ion Ratio Lower Upper

95 100

174 72.0 60.5 90.7

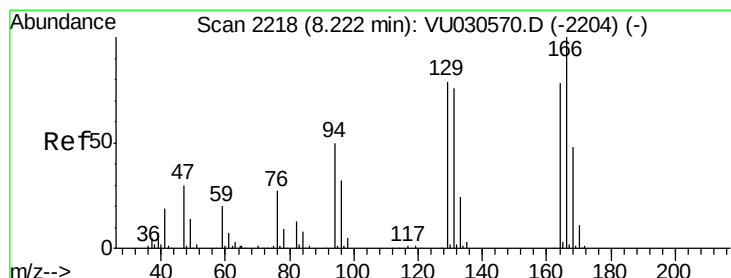
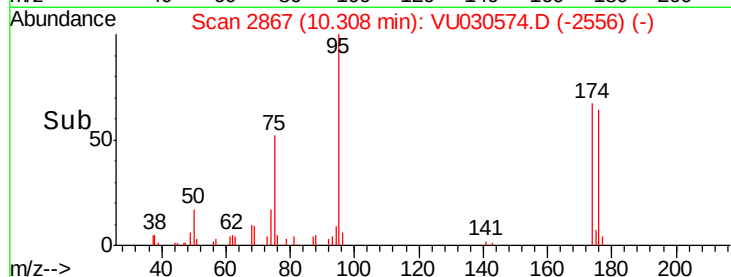
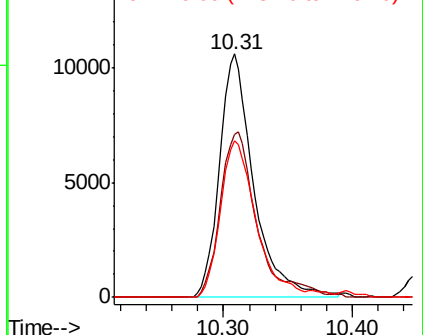
176 66.5 57.9 86.9



Abundance Ion 95.00 (94.70 to 95.70): VU030574.D (-2856) (-)

Ion 174.00 (173.70 to 174.70): VU030574.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU030574.D (-2856) (-)



#58

Tetrachloroethene

Concen: 0.879 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Tgt Ion: 164 Resp: 12754

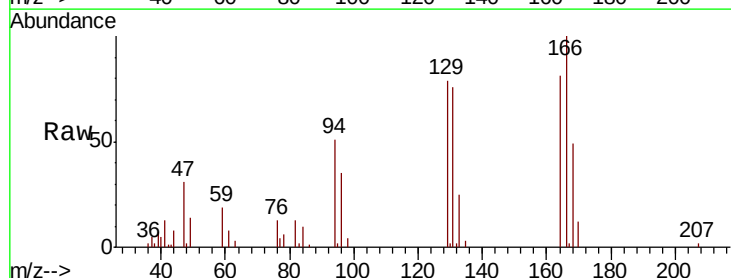
Ion Ratio Lower Upper

164 100

166 123.5 102.4 153.6

129 97.7 81.4 122.0

131 94.5 77.7 116.5

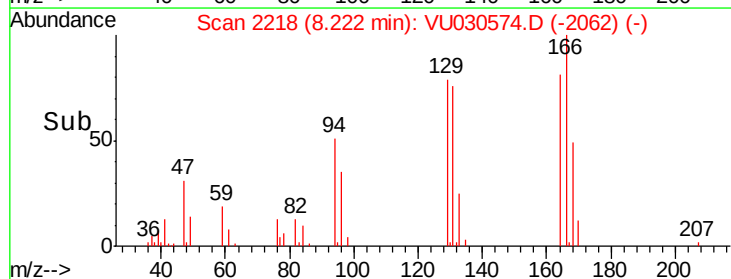
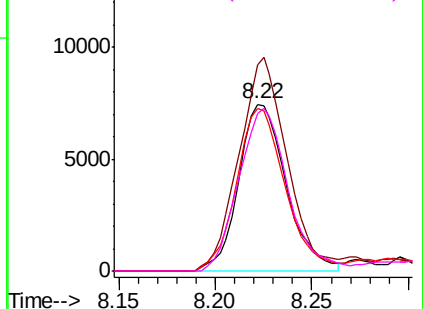


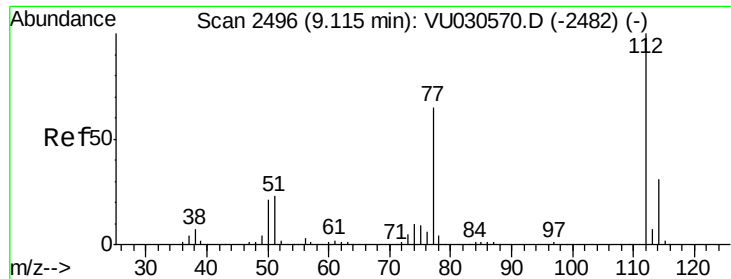
Abundance Ion 163.85 (163.55 to 164.55): VU030574.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU030574.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU030574.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU030574.D (-2062) (-)

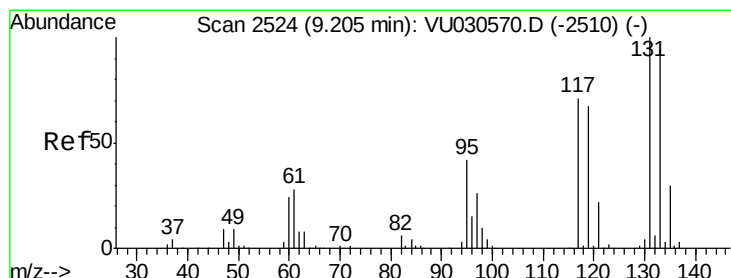
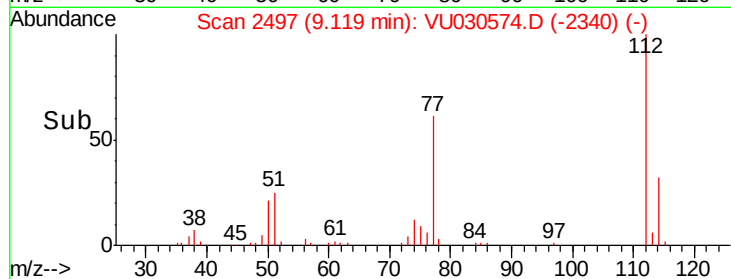
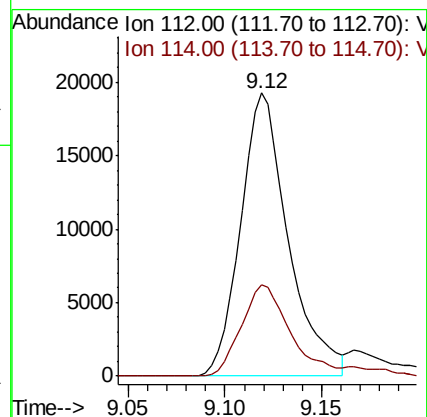
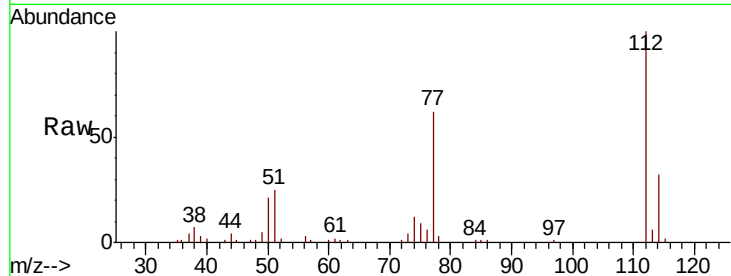




#59
Chlorobenzene
Concen: 0.854 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

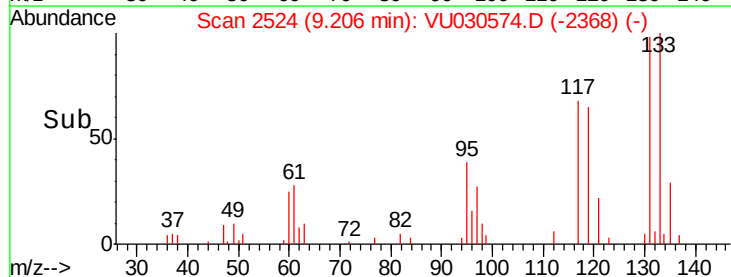
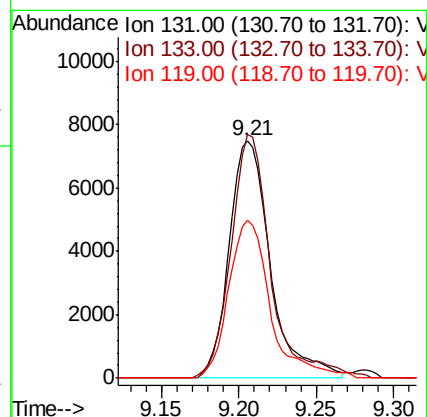
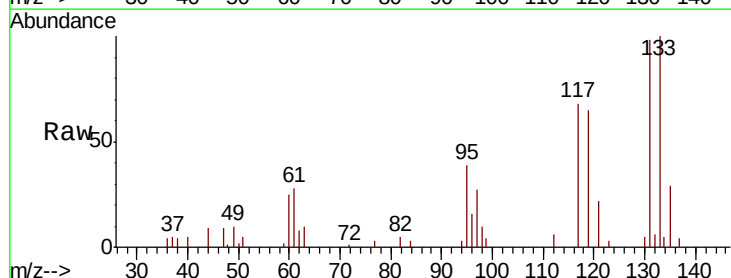
Instrument :
MSVOA_U
ClientSampleId :

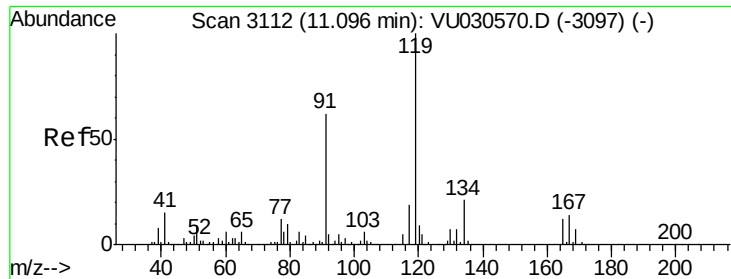
Tot Ion:112 Resp: 33012
Ion Ratio Lower Upper
112 100
114 32.4 24.9 37.3



#60
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion:131 Resp: 13894
Ion Ratio Lower Upper
131 100
133 98.8 77.5 116.3
119 66.9 53.2 79.8

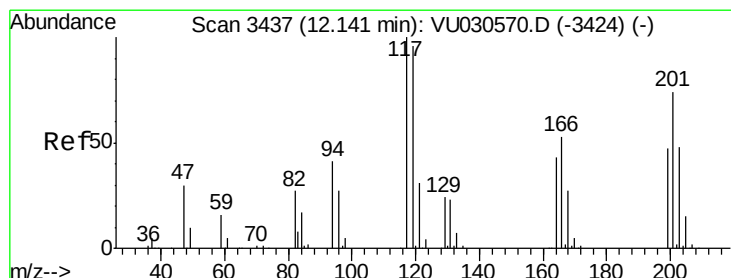
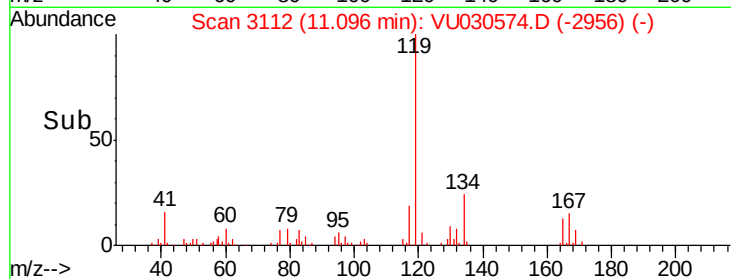
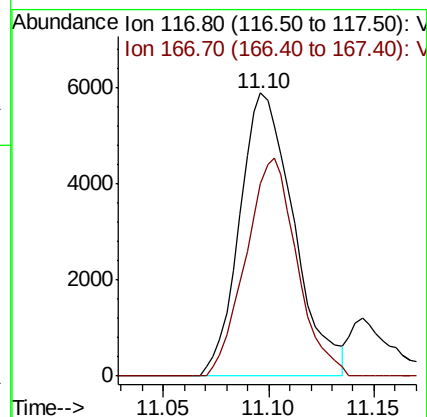
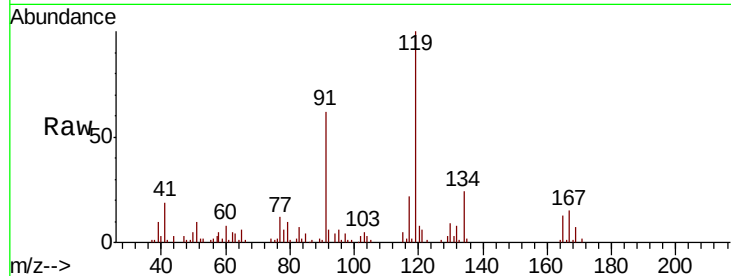




#61
 Pentachloroethane
 Concen: 0.998 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

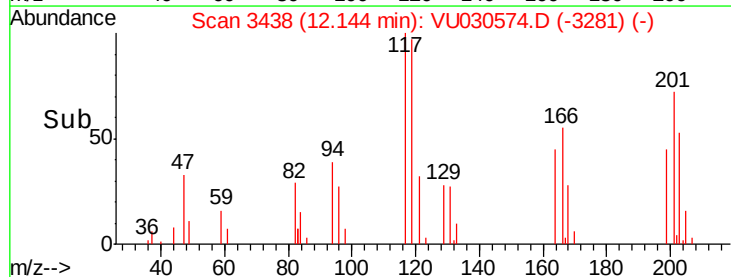
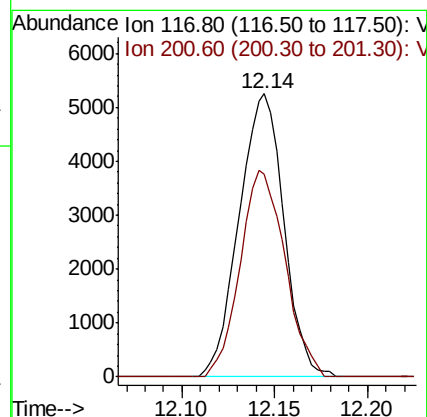
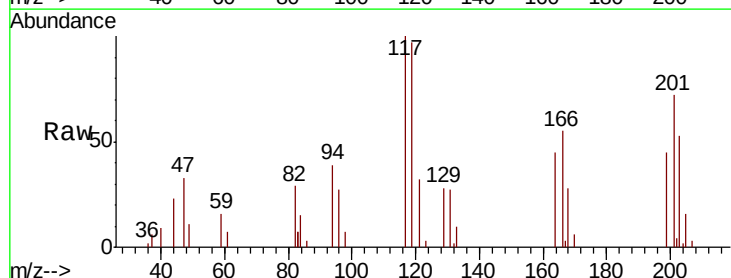
Instrument :
 MSVOA_U
 ClientSampleId :

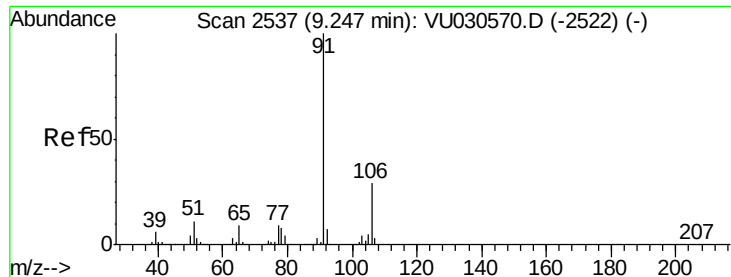
Tot Ion:117 Resp: 10529
 Ion Ratio Lower Upper
 117 100
 167 72.5 62.6 93.8



#62
 Hexachloroethane
 Concen: 0.853 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion:117 Resp: 8811
 Ion Ratio Lower Upper
 117 100
 201 73.3 59.1 88.7

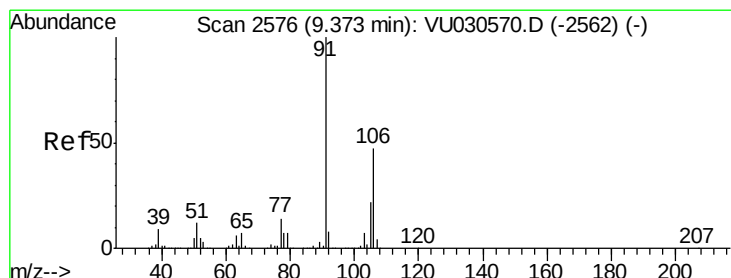
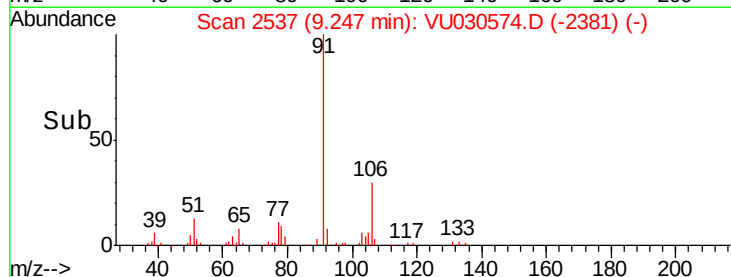
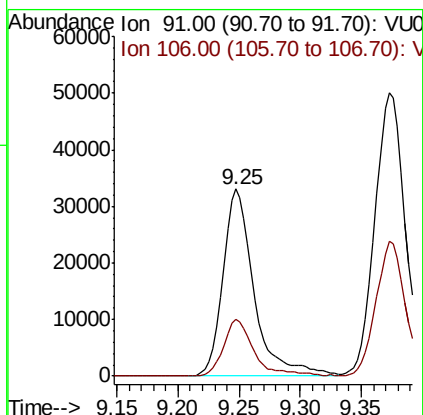
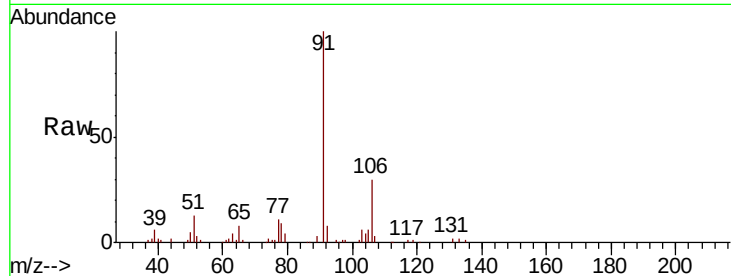




#63
Ethyl Benzene
Concen: 0.921 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

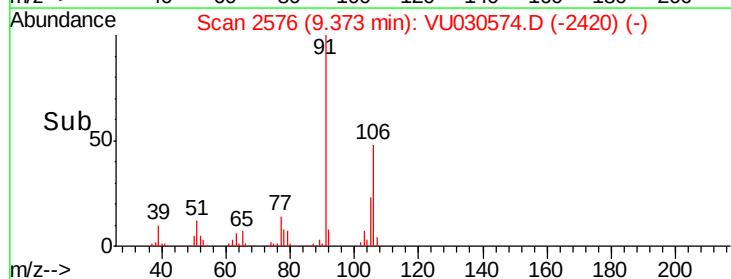
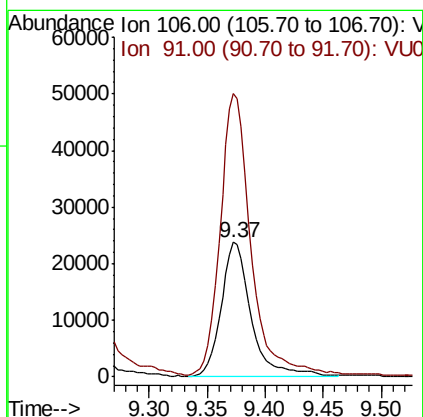
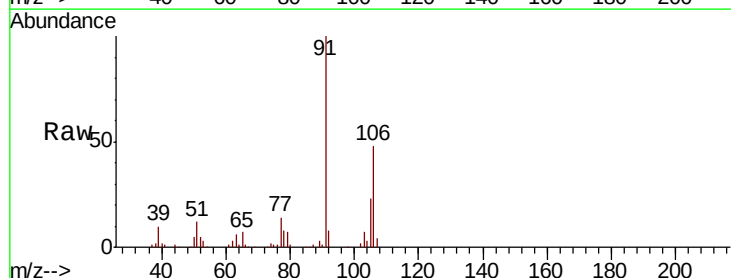
Instrument :
MSVOA_U
ClientSampled :

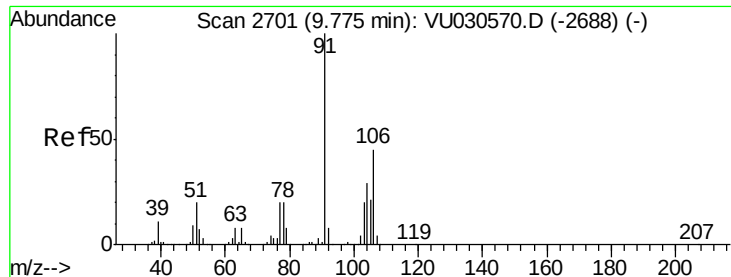
Tot Ion: 91 Resp: 59315
Ion Ratio Lower Upper
91 100
106 30.2 23.1 34.7



#64
m/p-Xylenes
Concen: 1.744 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030574.D
Acq: 30 Mar 2019 14:44

Tgt Ion: 106 Resp: 43394
Ion Ratio Lower Upper
106 100
91 210.0 179.4 269.0





#65

o-Xylene

Concen: 0.866 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

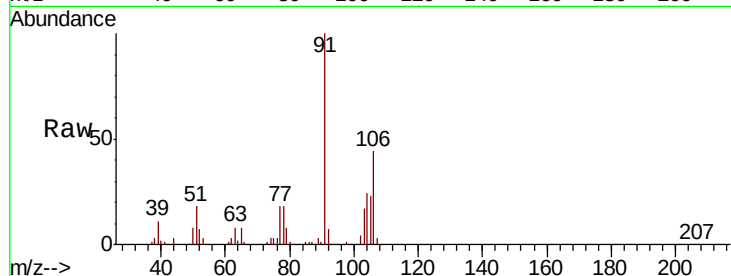
ClientSampled :

Tot Ion:106 Resp: 21113

Ion Ratio Lower Upper

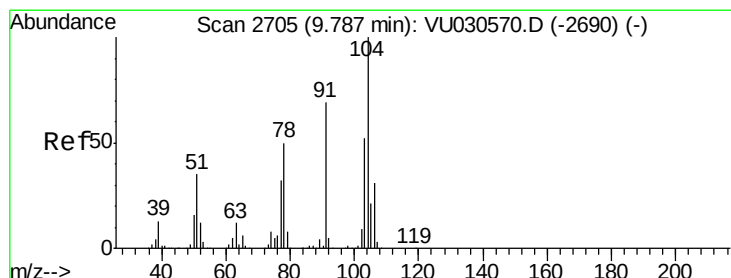
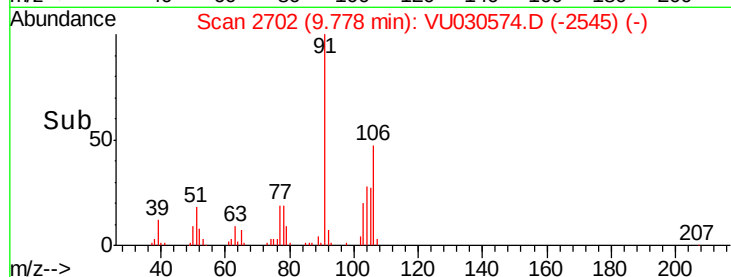
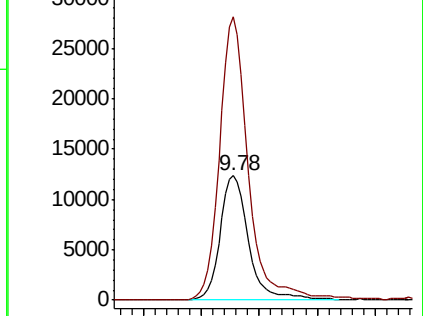
106 100

91 230.0 115.5 346.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.834 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

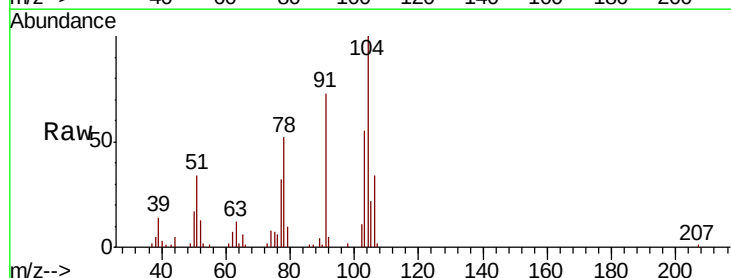
Tgt Ion:104 Resp: 33583

Ion Ratio Lower Upper

104 100

78 55.6 42.3 63.5

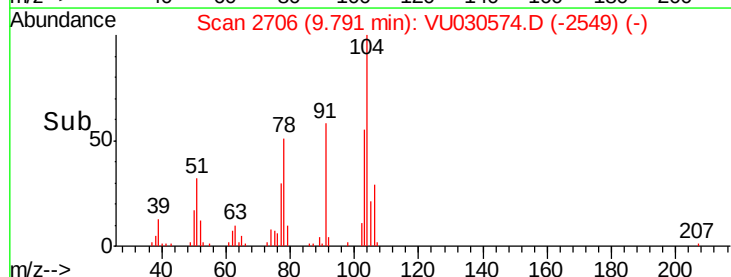
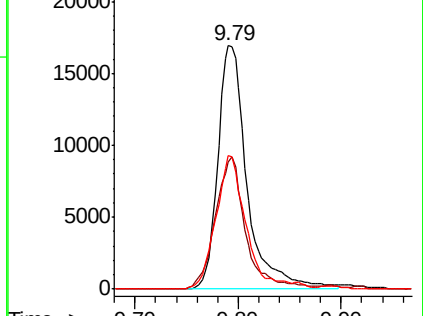
103 55.8 44.7 67.1

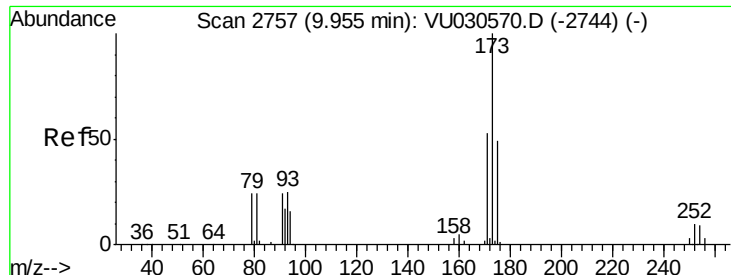


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.957 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :
MSVOA_U
ClientSampleId :

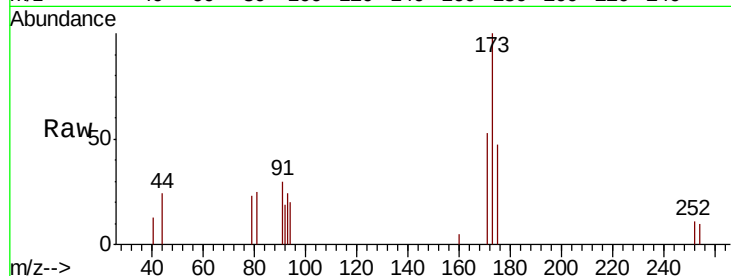
Tot Ion:173 Resp: 6790

Ion Ratio Lower Upper

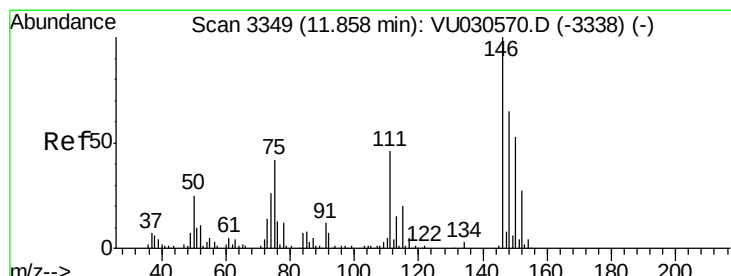
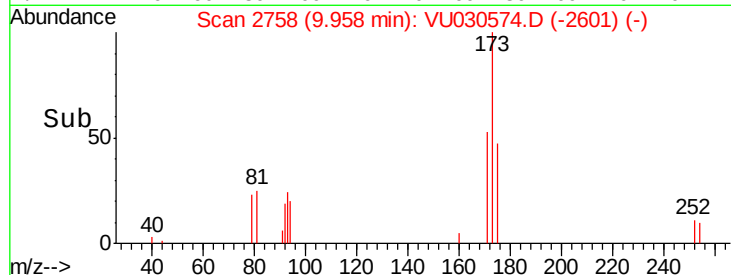
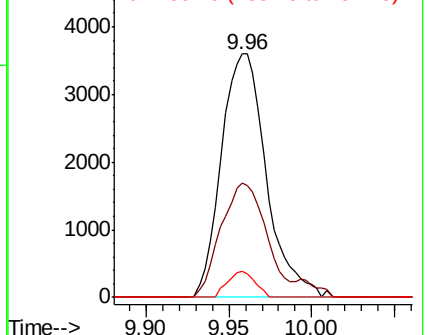
173 100

175 47.7 38.6 57.8

254 6.3 6.9 10.3#



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



#68

1,2-Dichlorobenzene-d4

Concen: 0.957 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

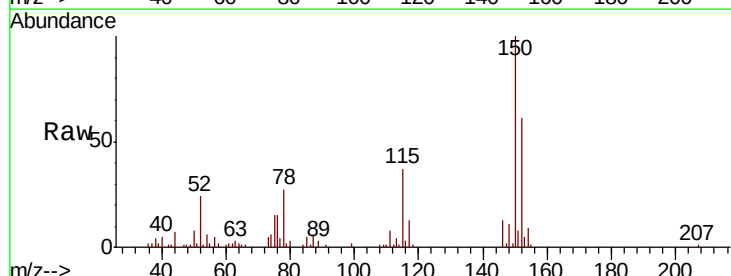
Tgt Ion:152 Resp: 18341

Ion Ratio Lower Upper

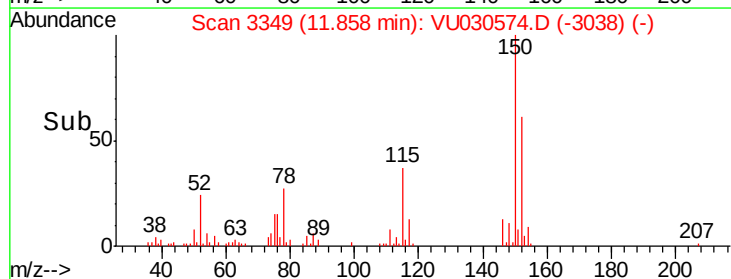
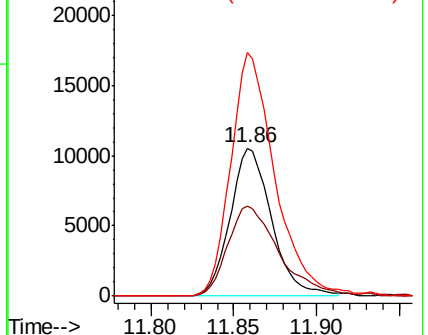
152 100

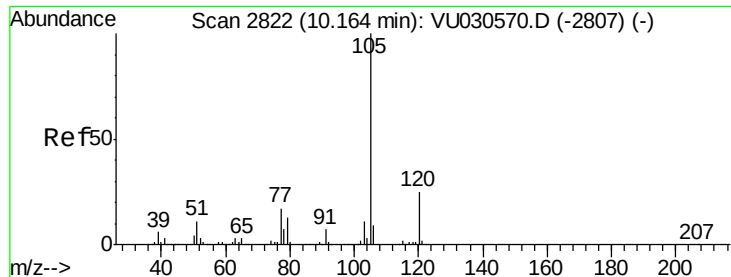
115 74.9 0.0 136.2

150 175.4 0.0 634.6



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





#69

Isopropylbenzene

Concen: 0.874 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

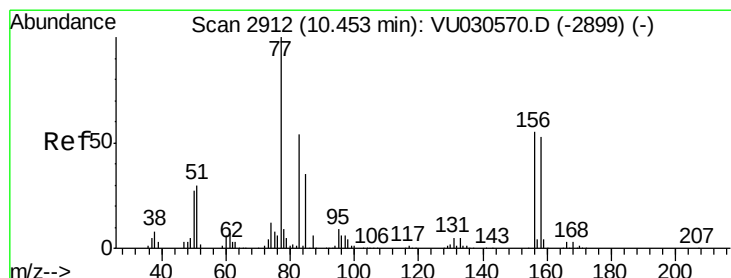
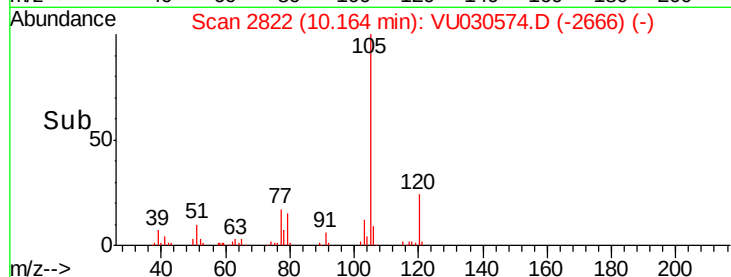
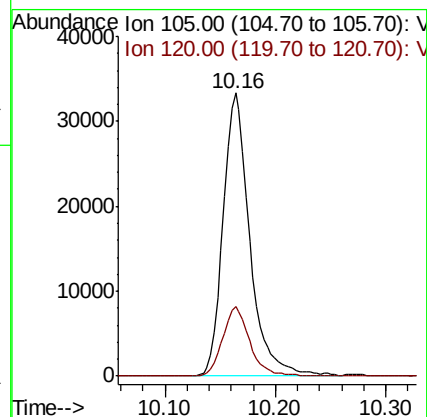
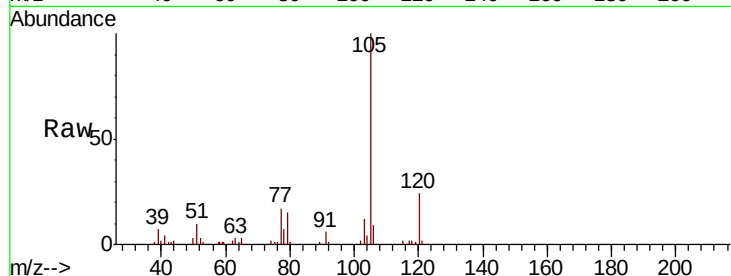
ClientSampleId :

Tot Ion:105 Resp: 56053

Ion Ratio Lower Upper

105 100

120 24.8 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 1.185 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

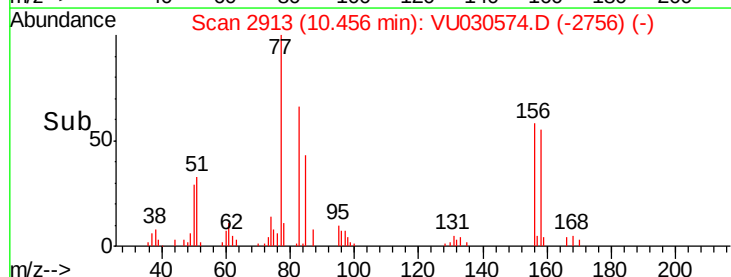
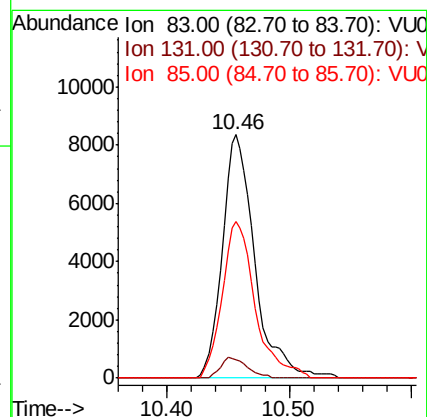
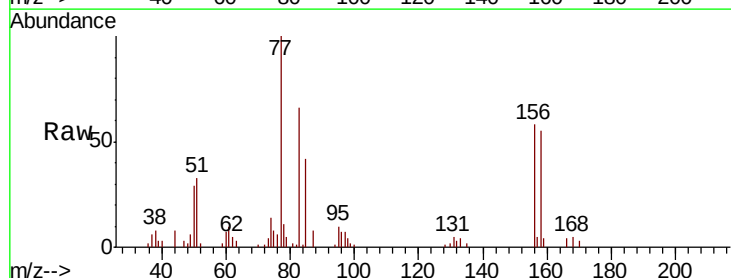
Tgt Ion: 83 Resp: 15613

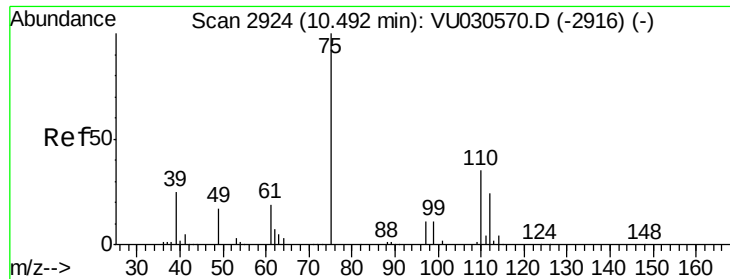
Ion Ratio Lower Upper

83 100

131 6.9 7.0 10.6#

85 65.2 51.0 76.4

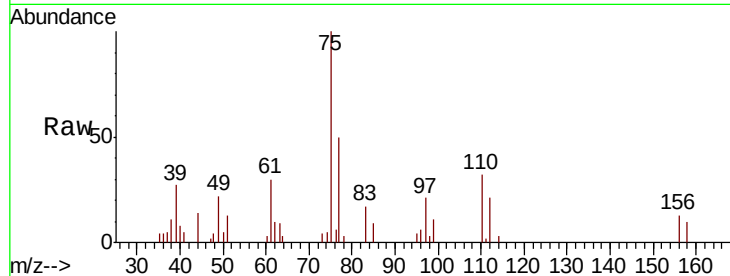




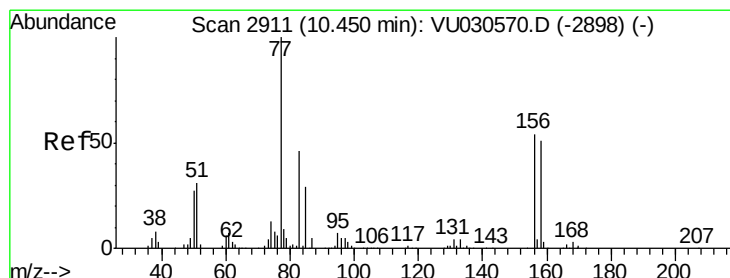
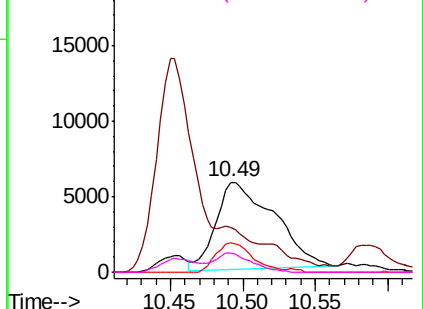
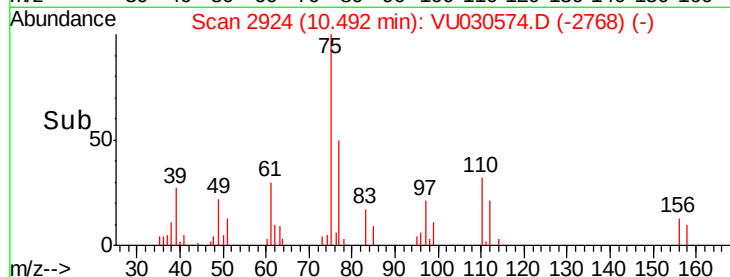
#71
 1,2,3-Trichloropropane
 Concen: 1.671 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	75	Resp:	15976
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	21.4	0.0	83.8
97	14.4	0.0	42.8

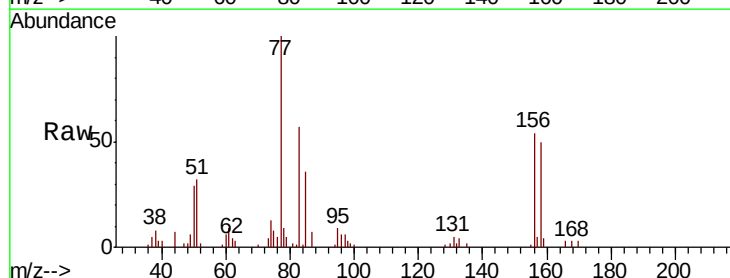


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

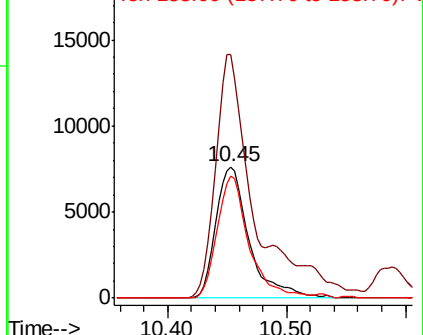
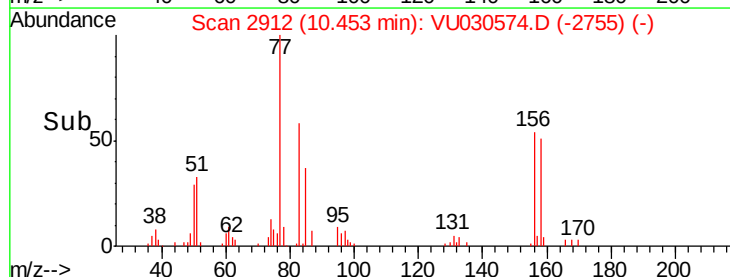


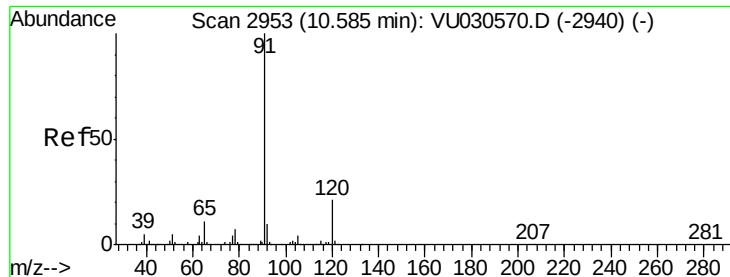
#72
 Bromobenzene
 Concen: 0.899 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion:	156	Resp:	14804
Ion	Ratio	Lower	Upper
156	100		
77	168.9	0.0	363.0
158	88.3	0.0	193.2



Abundance Ion 156.00 (155.70 to 156.70): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 0.787 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

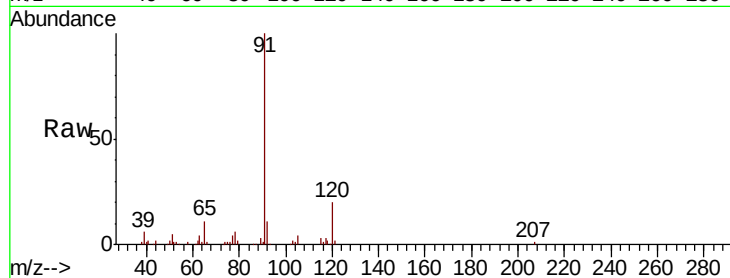
ClientSampleId :

Tot Ion:120 Resp: 14146

Ion Ratio Lower Upper

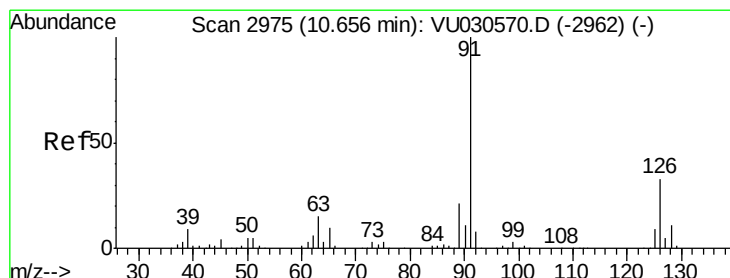
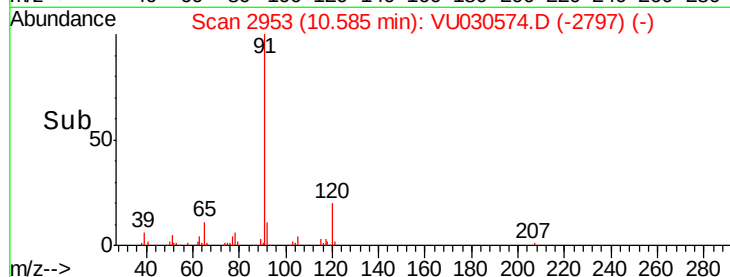
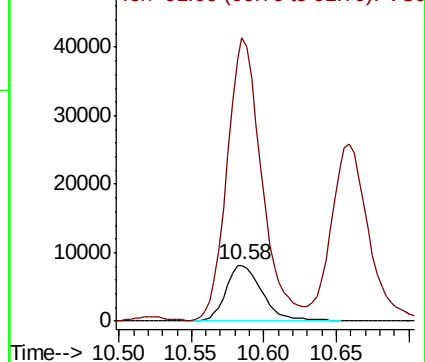
120 100

91 479.9 371.6 557.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.855 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030574.D

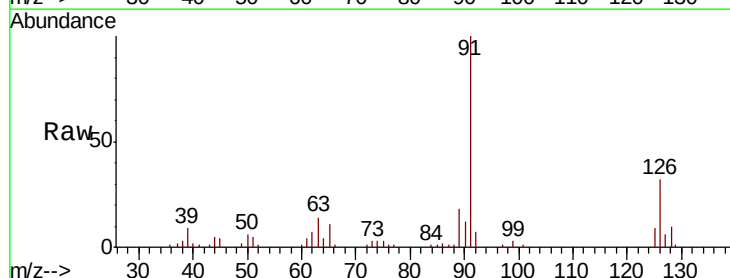
Acq: 30 Mar 2019 14:44

Tgt Ion:126 Resp: 13516

Ion Ratio Lower Upper

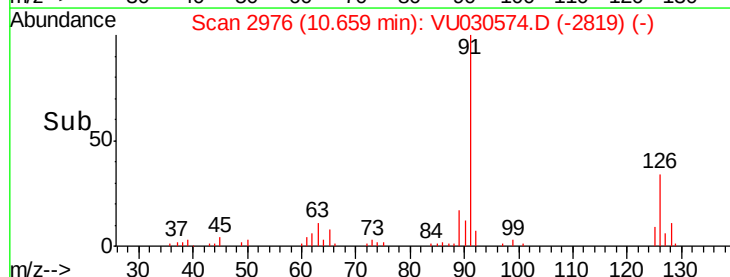
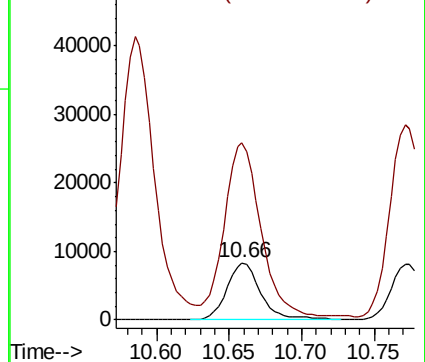
126 100

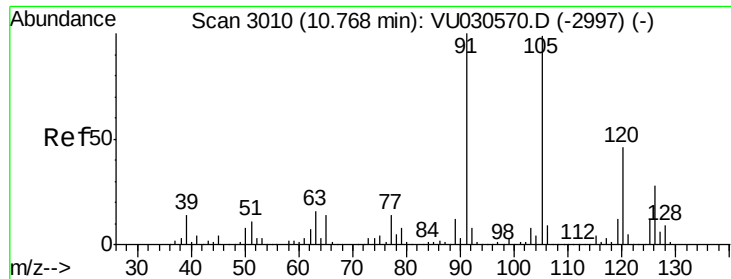
91 325.8 0.0 656.8



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: 0.852 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

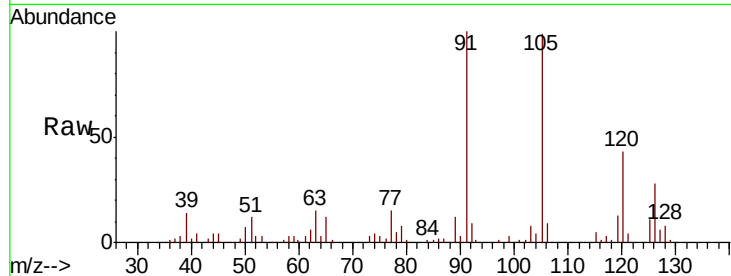
ClientSampleId :

Tot Ion:105 Resp: 46389

Ion Ratio Lower Upper

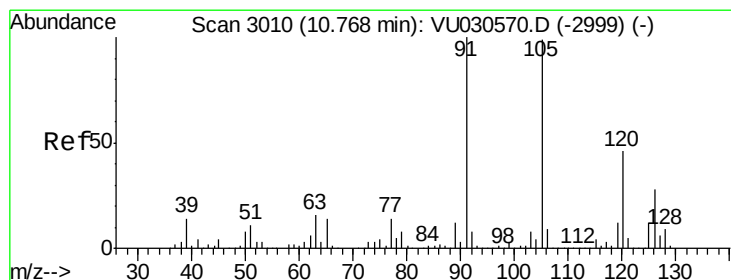
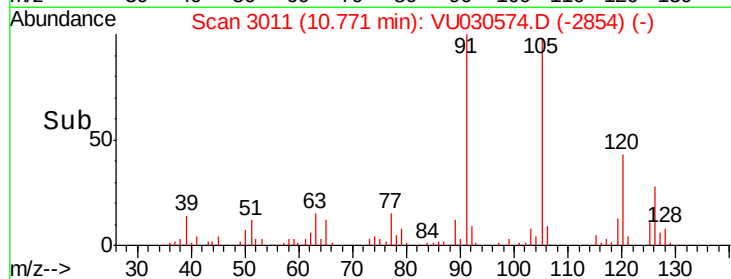
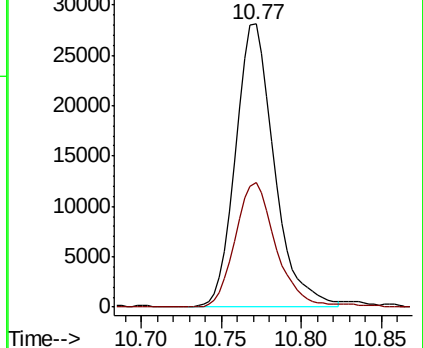
105 100

120 45.6 37.6 56.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.853 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030574.D

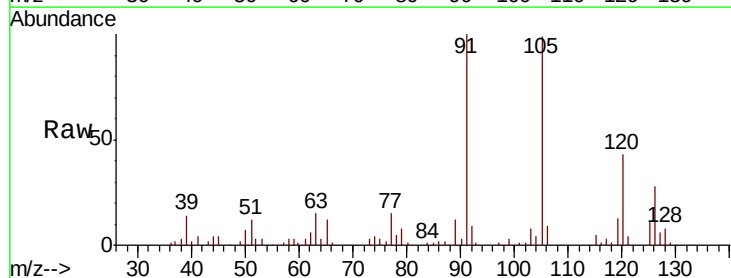
Acq: 30 Mar 2019 14:44

Tgt Ion:126 Resp: 13710

Ion Ratio Lower Upper

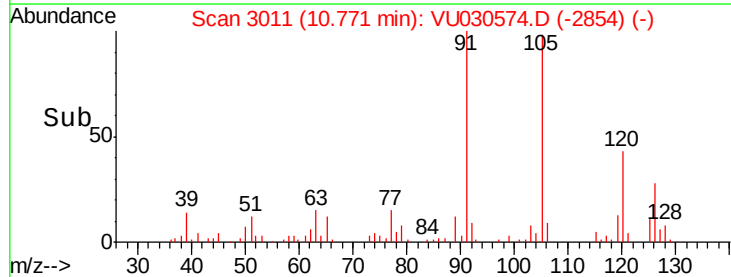
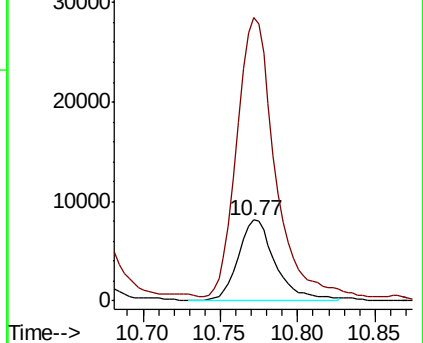
126 100

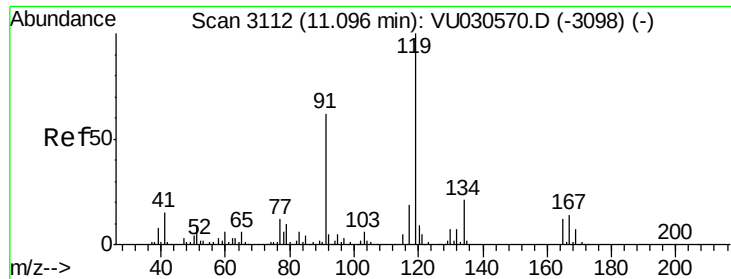
91 348.6 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.849 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

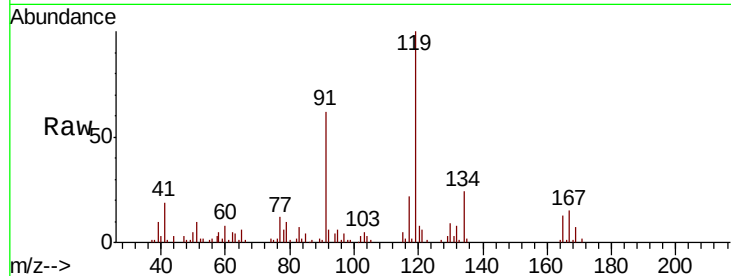
Tot Ion:119 Resp: 44996

Ion Ratio Lower Upper

119 100

91 61.1 30.9 92.8

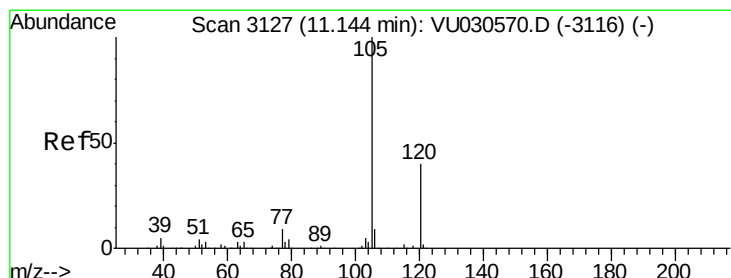
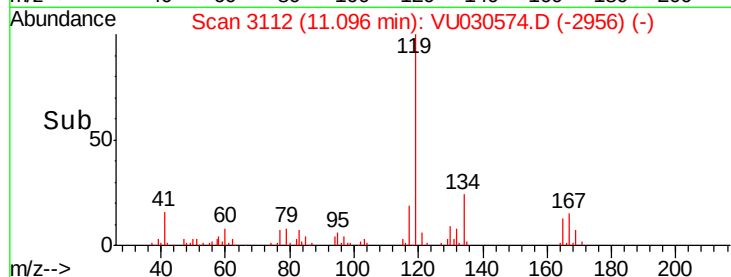
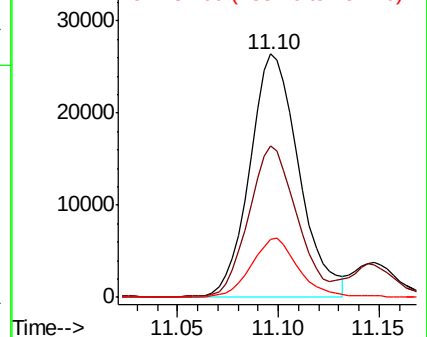
134 23.2 17.6 26.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.808 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

Lab File: VU030574.D

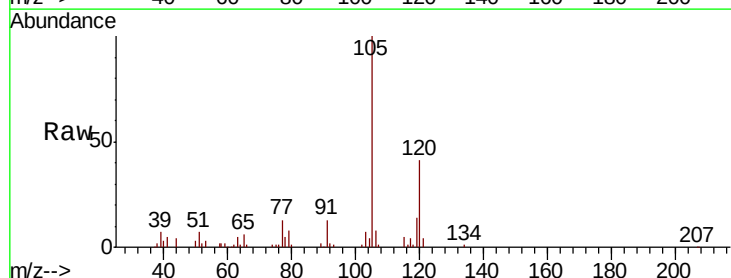
Acq: 30 Mar 2019 14:44

Tgt Ion:105 Resp: 44634

Ion Ratio Lower Upper

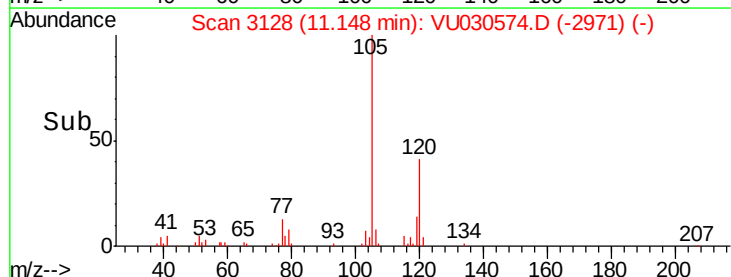
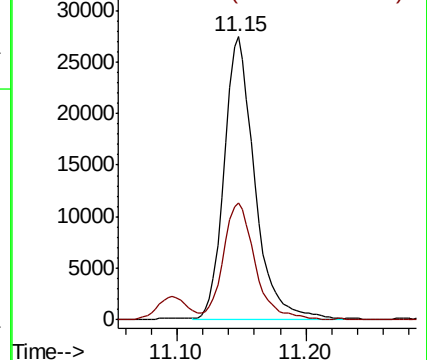
105 100

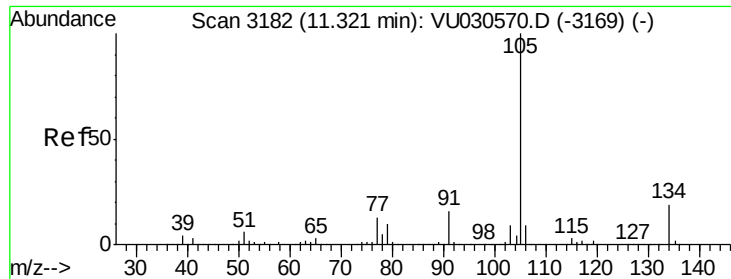
120 43.8 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.848 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

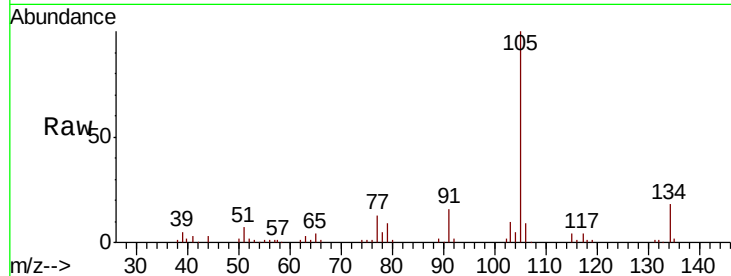
ClientSampled :

Tot Ion: 105 Resp: 60274

Ion Ratio Lower Upper

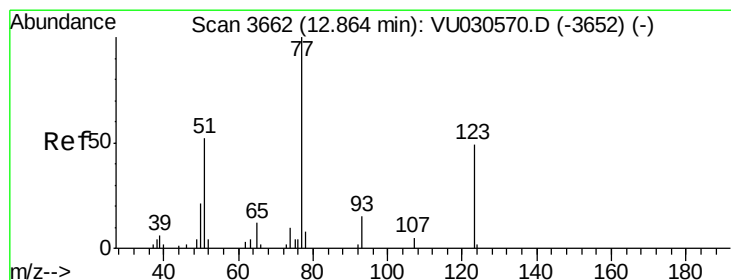
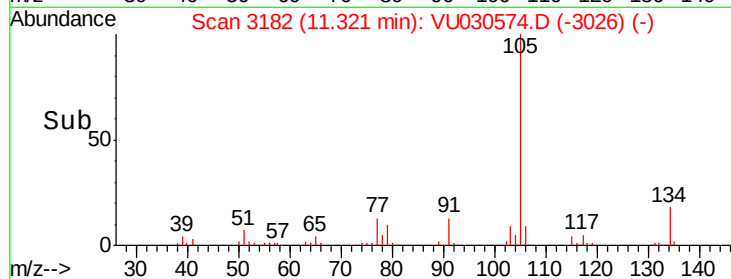
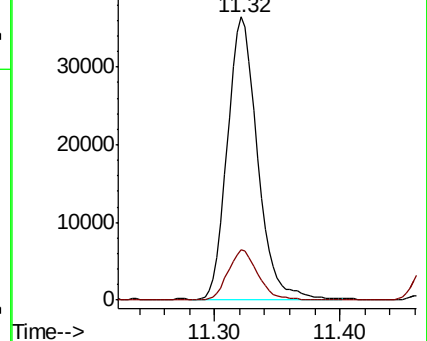
105 100

134 17.8 14.7 22.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 2.200 ug/l

RT: 12.89 min Scan# 3671

Delta R.T. 0.03 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

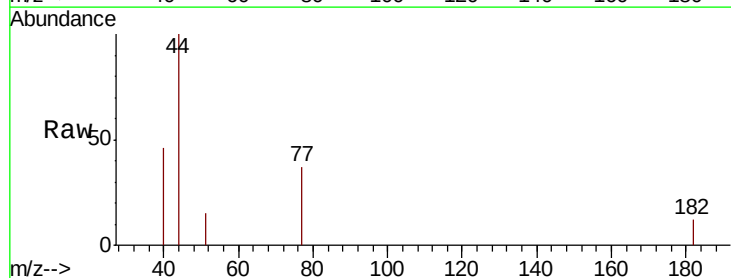
Tgt Ion: 77 Resp: 499

Ion Ratio Lower Upper

77 100

123 0.0 17.5 62.1#

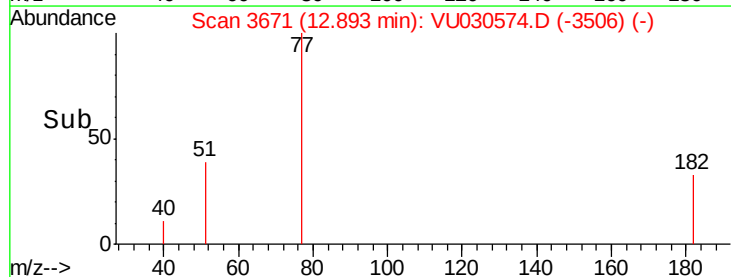
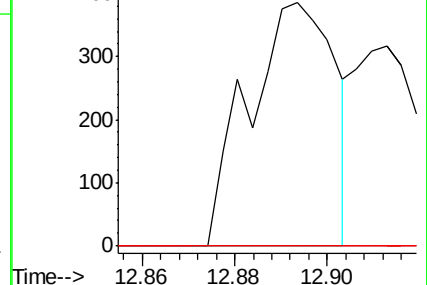
65 0.0 8.1 10.3#

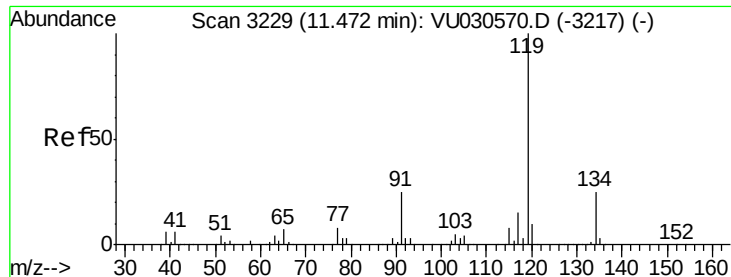


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

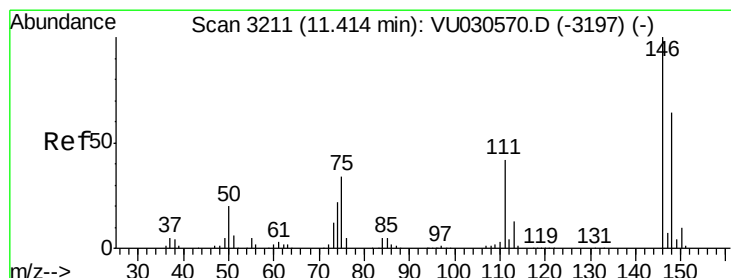
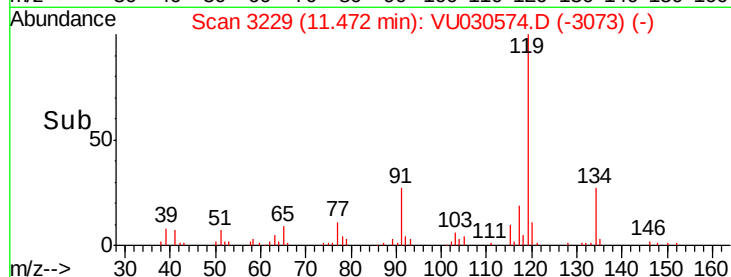
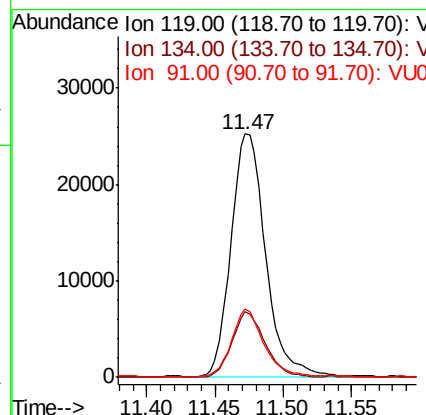
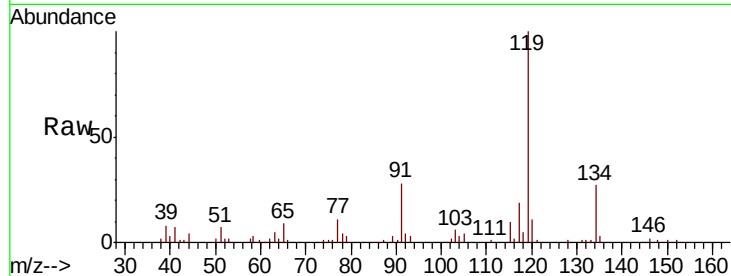




#81
 p-Isopropyltoluene
 Concen: 0.760 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

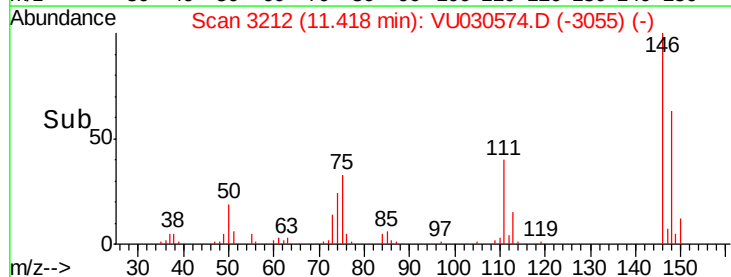
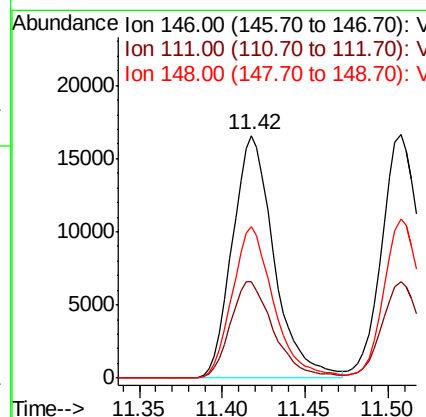
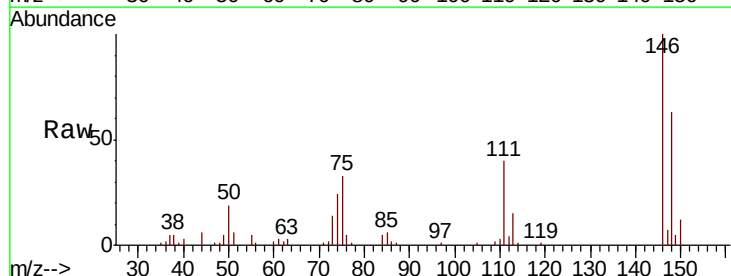
Instrument :
 MSVOA_U
 ClientSampleId :

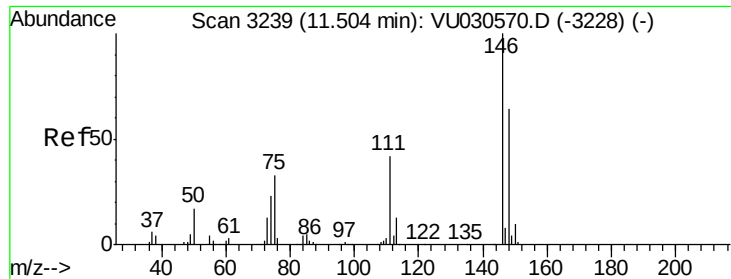
Tot Ion:119 Resp: 44735
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.6 31.0
 91 26.5 20.4 30.6



#82
 1,3-Dichlorobenzene
 Concen: 0.872 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion:146 Resp: 28942
 Ion Ratio Lower Upper
 146 100
 111 41.5 34.0 51.0
 148 62.4 51.0 76.6

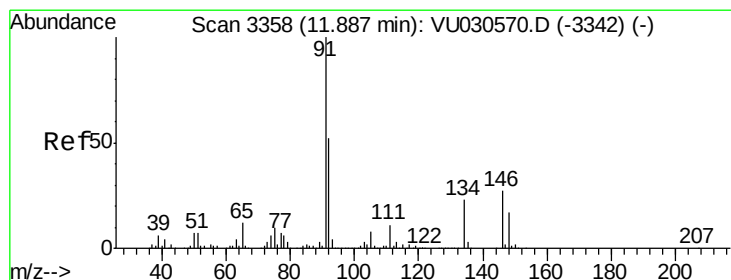
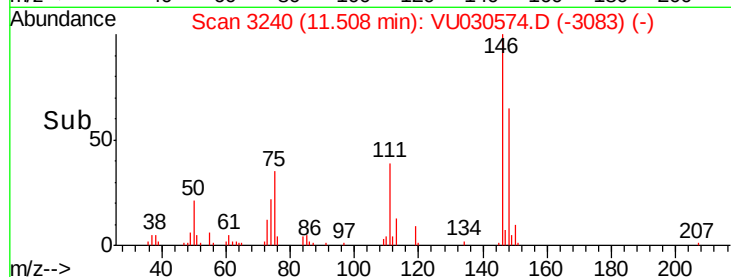
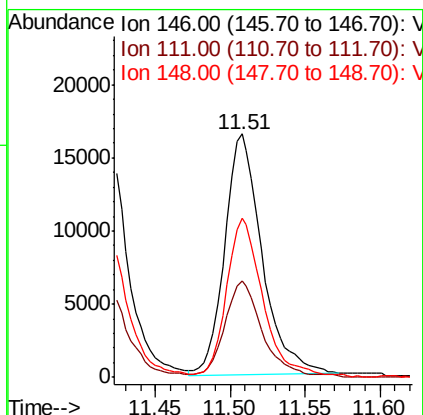
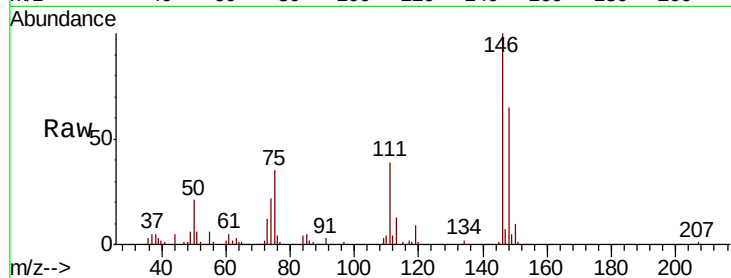




#83
 1,4-Dichlorobenzene
 Concen: 0.855 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

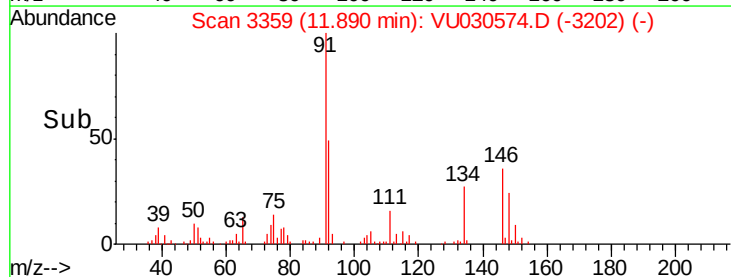
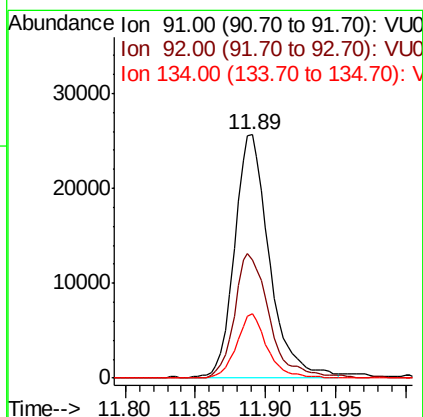
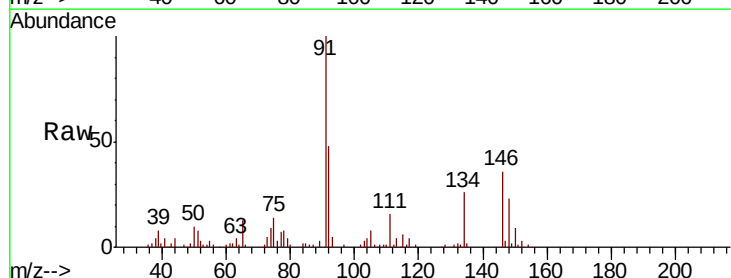
Instrument :
 MSVOA_U
 ClientSampleId :

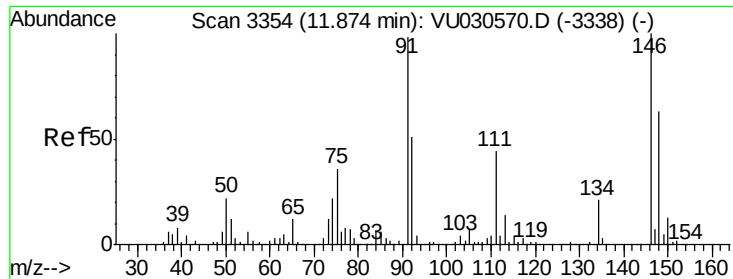
Tot Ion:146 Resp: 28538
 Ion Ratio Lower Upper
 146 100
 111 38.3 32.8 49.2
 148 61.8 50.5 75.7



#84
 n-Butylbenzene
 Concen: 0.802 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion: 91 Resp: 44385
 Ion Ratio Lower Upper
 91 100
 92 50.5 41.7 62.5
 134 23.1 18.3 27.5

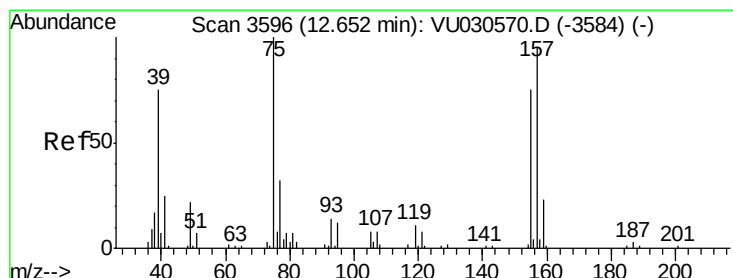
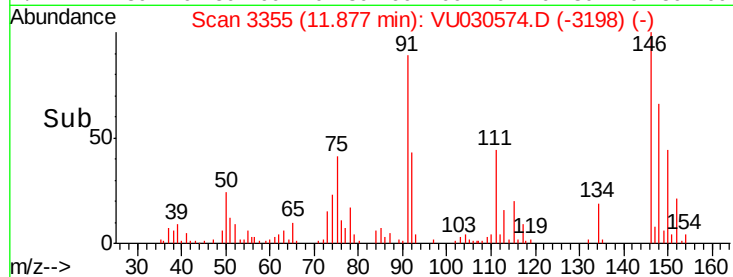
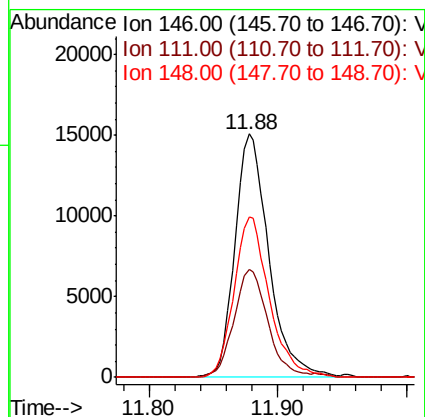
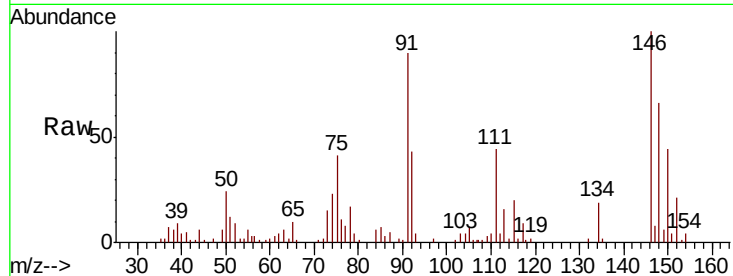




#85
 1,2-Dichlorobenzene
 Concen: 0.891 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

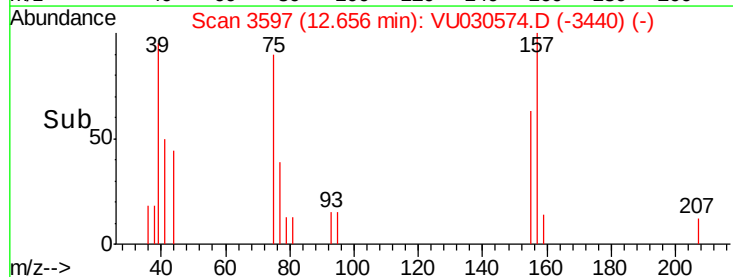
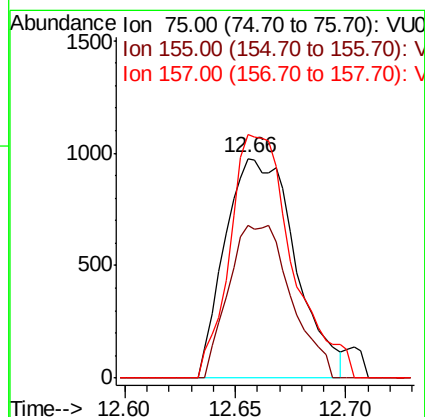
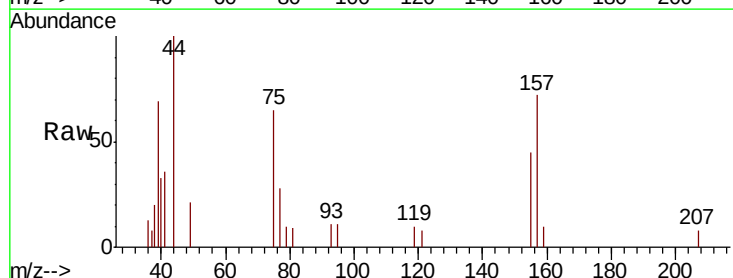
Instrument :
 MSVOA_U
 ClientSampleId :

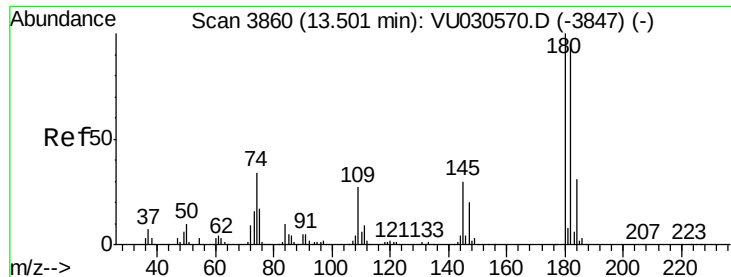
Tot Ion:146 Resp: 27586
 Ion Ratio Lower Upper
 146 100
 111 45.0 21.9 65.5
 148 68.3 31.5 94.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.137 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion: 75 Resp: 2157
 Ion Ratio Lower Upper
 75 100
 155 61.9 59.7 89.5
 157 99.0 73.7 110.5

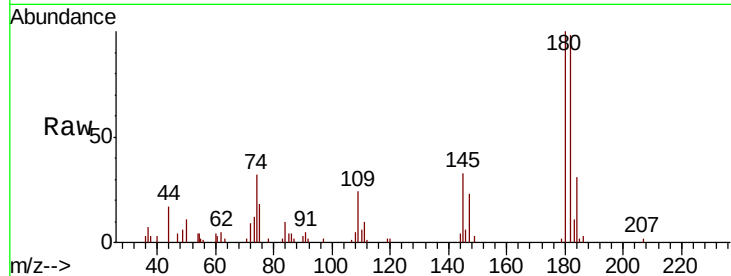




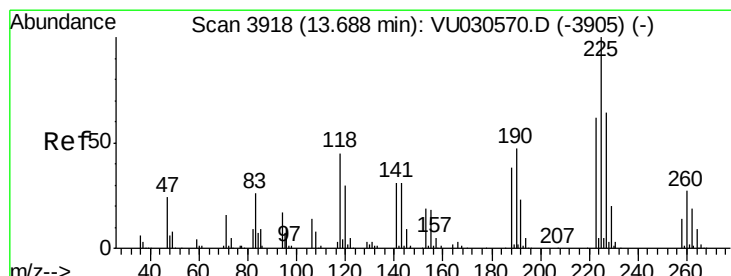
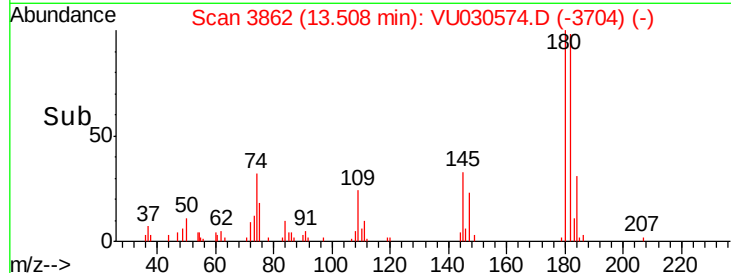
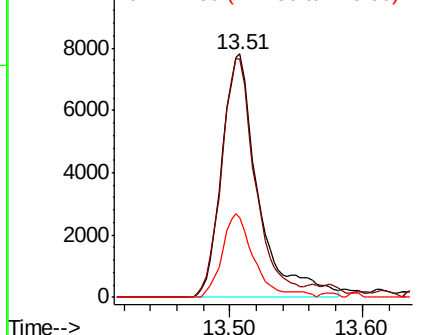
#87
 1,2,4-Trichlorobenzene
 Concen: 0.683 ug/l
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 14801
 Ion Ratio Lower Upper
 180 100
 182 92.2 76.0 114.0
 145 28.9 24.3 36.5

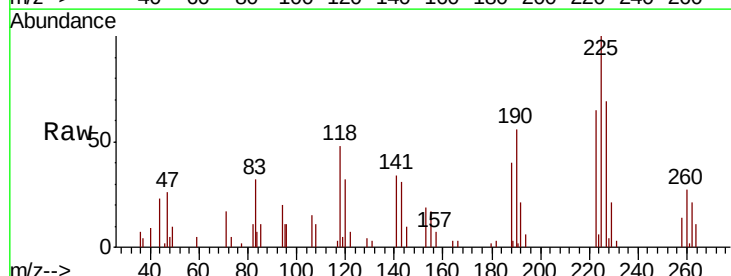


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

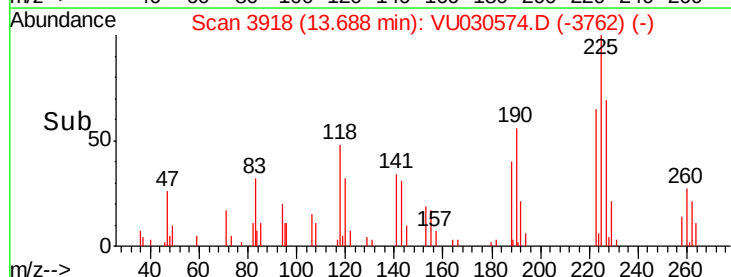
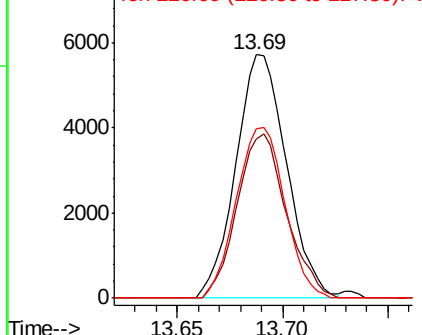


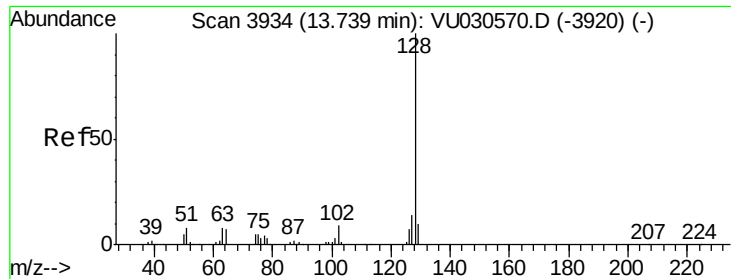
#88
 Hexachlorobutadiene
 Concen: 0.798 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030574.D
 Acq: 30 Mar 2019 14:44

Tgt Ion:225 Resp: 9572
 Ion Ratio Lower Upper
 225 100
 223 65.4 50.7 76.1
 227 66.9 50.8 76.2



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.635 ug/l

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

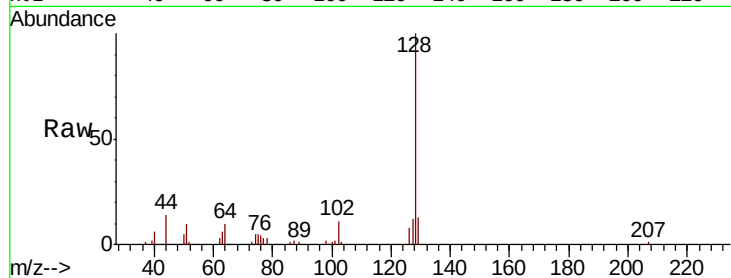
Tot Ion:128 Resp: 21615

Ion Ratio Lower Upper

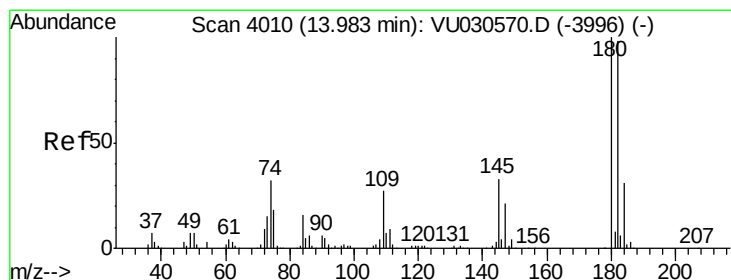
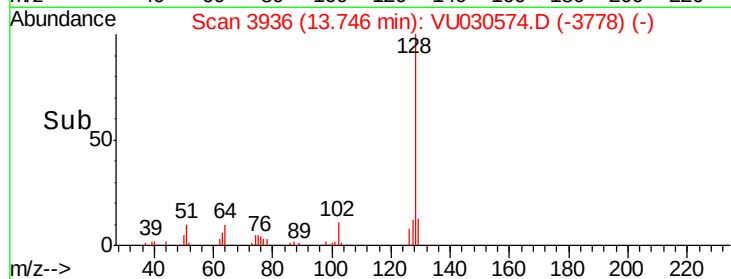
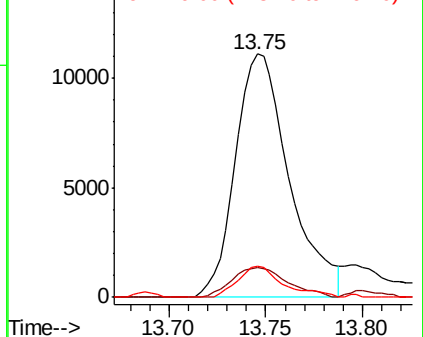
128 100

127 12.6 10.4 15.6

129 10.7 7.8 11.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.676 ug/l

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU030574.D

Acq: 30 Mar 2019 14:44

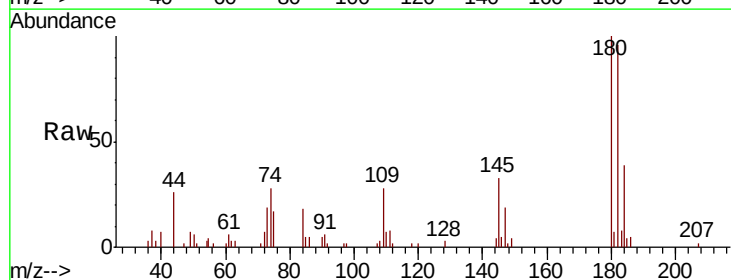
Tgt Ion:180 Resp: 13352

Ion Ratio Lower Upper

180 100

182 100.4 76.6 114.8

145 32.5 25.9 38.9



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

