

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030567.D
 Acq On : 30 Mar 2019 10:21
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 00:43:27 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	53767	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19699	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	18472	0.84	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	20700	1.013	ug/l	97
3) Chloromethane	1.33	50	27378	1.168	ug/l	97
4) Vinyl Chloride	1.40	62	22827	1.122	ug/l	99
5) Bromomethane	1.63	94	12076	1.088	ug/l	93
6) Chloroethane	1.70	64	13805	1.184	ug/l	97
7) Trichlorofluoromethane	1.88	101	26975	1.052	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12837	0.934	ug/l	100
9) 1,1-Dichloroethene	2.28	96	12965	0.951	ug/l	91
10) Iodomethane	2.41	142	9348	0.798	ug/l	96
11) Allyl Chloride	2.59	41	28868	1.366	ug/l	100
12) Acrylonitrile	2.94	53	7228	2.330	ug/l	96
13) Acetone	2.32	43	17275	6.298	ug/l	98
14) Carbon Disulfide	2.47	76	48281	1.007	ug/l	97
15) Methylene Chloride	2.69	84	17681	1.081	ug/l	91
16) trans-1,2-Dichloroethene	2.98	96	14284	0.912	ug/l	96
17) 1,1-Dichloroethane	3.44	63	30610	1.114	ug/l #	97
18) 2-Butanone	4.28	43	21897	5.755	ug/l	99
19) Cyclohexane	4.99	56	21706	0.918	ug/l	91
20) Methylcyclohexane	6.41	83	18435	0.738	ug/l	94
21) 2,2-Dichloropropane	4.22	77	23055	1.011	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	15848	0.912	ug/l	95
23) Diethyl Ether	2.10	59	12219	1.146	ug/l	96
24) tert-Butyl Alcohol	2.85	59	11459	10.068	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	37829	1.067	ug/l	99
26) Bromochloromethane	4.54	128	5488	0.735	ug/l	85
27) Chloroform	4.67	83	27750	0.973	ug/l	93
28) 1,1,1-Trichloroethane	4.91	97	22631	0.972	ug/l	100
29) 1,1-Dichloropropene	5.13	75	18169	0.859	ug/l	96
30) Carbon Tetrachloride	5.13	117	18846	0.914	ug/l	99
31) Isopropyl Ether	3.58	45	49357	1.228	ug/l	98
32) Ethyl-t-butyl ether	4.08	59	37603	1.011	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	27770	0.831	ug/l	98
34) Propionitrile	4.35	54	4831	4.580	ug/l #	78
35) Benzene	5.39	78	60462	0.974	ug/l	99
36) 1,2-Dichloroethane	5.41	62	18387	1.077	ug/l	99
37) Trichloroethene	6.18	130	13865	0.801	ug/l	96
38) 1,2-Dichloropropane	6.43	63	16004	0.997	ug/l	98
39) Methacrylonitrile	4.56	41	5525	1.178	ug/l #	82
40) Methyl acrylate	4.44	55	6770	0.948	ug/l #	84
41) Tetrahydrofuran	4.66	42	5178	2.031	ug/l	99
42) 1-Chlorobutane	5.06	56	28120	0.983	ug/l	93

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

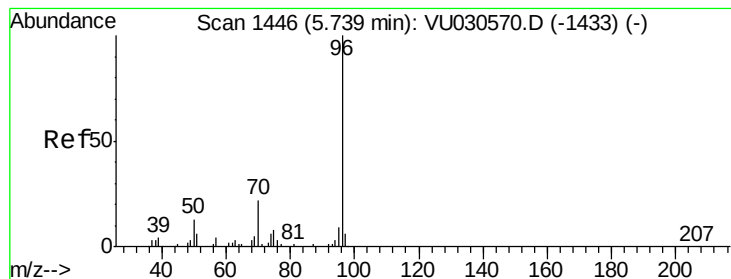
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 00:43:27 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	7606	0.935	ug/l	96
44) Bromodichloromethane	6.75	83	19565	0.996	ug/l #	91
45) 4-Methyl-2-Pentanone	7.47	43	45897	5.353	ug/l	92
46) t-1,4-Dichloro-2-butene	10.49	75	7764	2.471	ug/l #	77
47) Methyl methacrylate	6.63	69	11342	1.646	ug/l	94
48) Ethyl methacrylate	8.03	69	10853	0.839	ug/l	100
49) Toluene	7.64	92	30147	0.817	ug/l	93
50) t-1,3-Dichloropropene	7.88	75	14692	0.839	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	19857	0.910	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	10794	0.949	ug/l	94
53) 1,3-Dichloropropane	8.24	76	17920	0.926	ug/l	99
54) 2-Hexanone	8.37	43	34399	5.626	ug/l	89
55) Dibromochloromethane	8.48	129	11336	0.837	ug/l	98
56) 1,2-Dibromoethane	8.59	107	9228	0.851	ug/l	100
58) Tetrachloroethene	8.22	164	12916	0.823	ug/l	94
59) Chlorobenzene	9.12	112	34879	0.835	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.21	131	12927	0.882	ug/l	97
61) Pentachloroethane	11.10	117	9866	0.864	ug/l	99
62) Hexachloroethane	12.14	117	8067	0.722	ug/l	93
63) Ethyl Benzene	9.25	91	55027	0.790	ug/l	98
64) m/p-Xylenes	9.37	106	38855	1.444	ug/l	91
65) o-Xylene	9.78	106	18083	0.686	ug/l	93
66) Styrene	9.79	104	30482	0.700	ug/l	97
67) Bromoform	9.96	173	6296	0.820	ug/l	99
69) Isopropylbenzene	10.16	105	50993	0.735	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	13113	0.920	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	7764	0.751	ug/l #	92
72) Bromobenzene	10.45	156	13153	0.738	ug/l	98
73) n-propylbenzene	10.58	120	13155	0.676	ug/l	97
74) 2-Chlorotoluene	10.66	126	12643	0.739	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	40470	0.687	ug/l	99
76) 4-Chlorotoluene	10.77	126	12960	0.745	ug/l	91
77) tert-Butylbenzene	11.10	119	41132	0.717	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	40117	0.672	ug/l	100
79) sec-Butylbenzene	11.32	105	53779	0.699	ug/l	100
80) Nitrobenzene	12.90	77	286	1.166	ug/l #	43
81) p-Isopropyltoluene	11.47	119	39695	0.624	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	26530	0.739	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	27194	0.753	ug/l	97
84) n-Butylbenzene	11.89	91	38014	0.635	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	26423	0.789	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1776	0.865	ug/l	91
87) 1,2,4-Trichlorobenzene	13.50	180	13138	0.560	ug/l	93
88) Hexachlorobutadiene	13.69	225	9175	0.707	ug/l	97
89) Naphthalene	13.75	128	19630	0.533	ug/l	97
90) 1,2,3-Trichlorobenzene	13.99	180	13059	0.611	ug/l	90

(#) = 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: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 53767

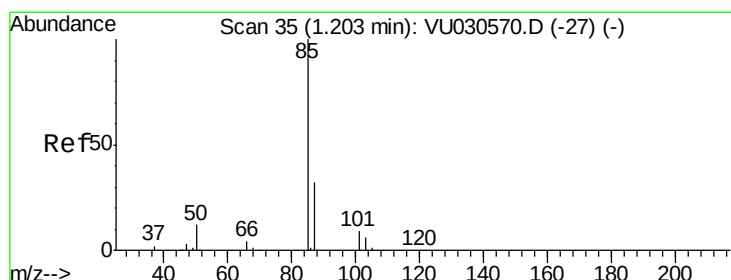
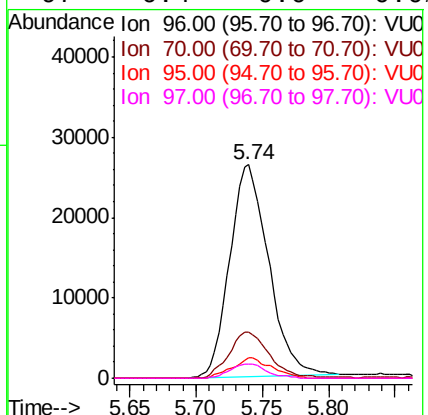
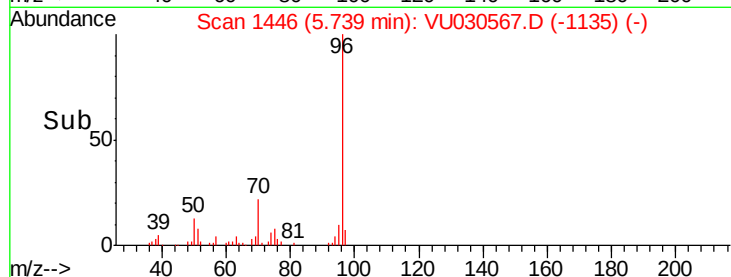
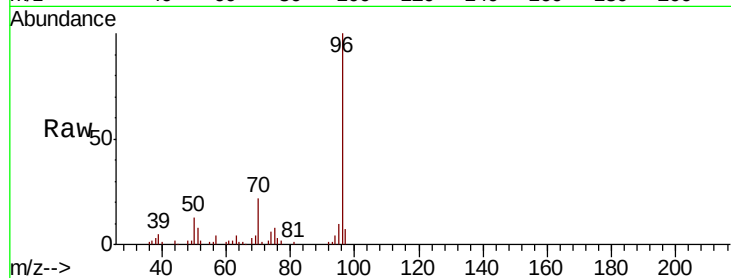
Ion Ratio Lower Upper

96 100

70 22.0 15.6 23.4

95 9.6 7.3 10.9

97 6.4 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.013 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030567.D

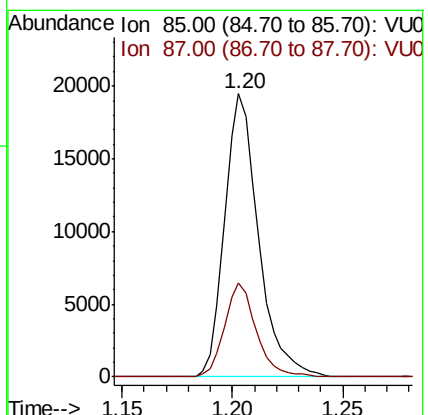
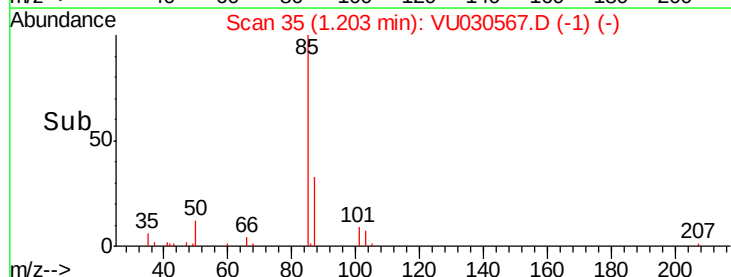
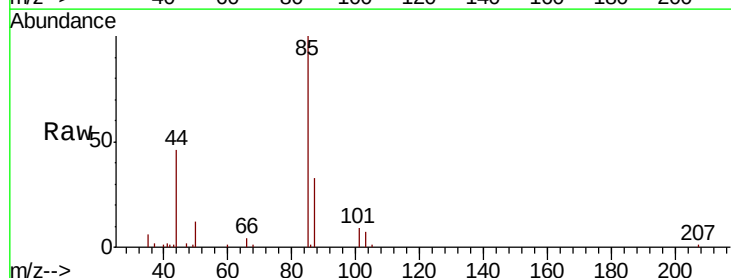
Acq: 30 Mar 2019 10:21

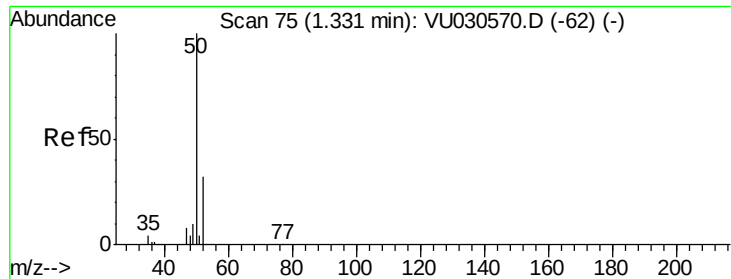
Tgt Ion: 85 Resp: 20700

Ion Ratio Lower Upper

85 100

87 33.2 15.9 47.6





#3

Chloromethane

Concen: 1.168 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

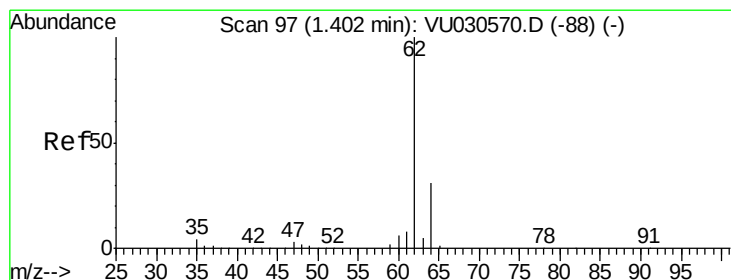
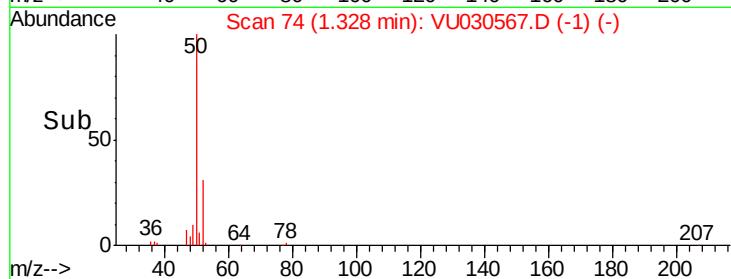
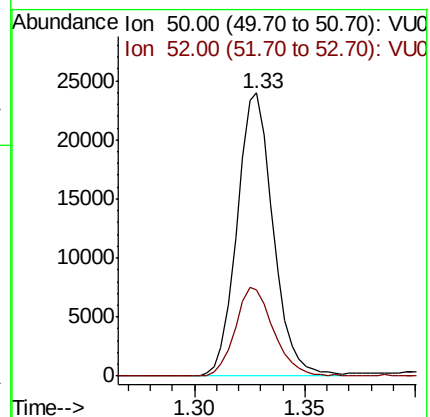
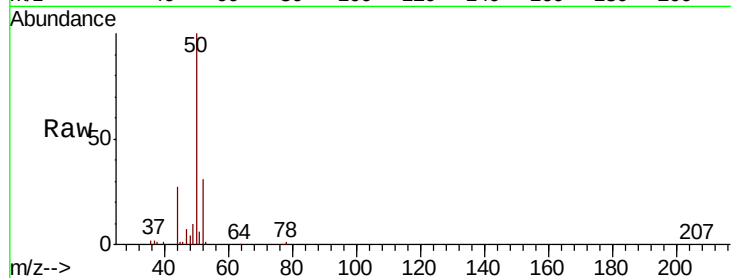
ClientSampleId :

Tot Ion: 50 Resp: 27378

Ion Ratio Lower Upper

50 100

52 30.7 25.8 38.8



#4

Vinyl Chloride

Concen: 1.122 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030567.D

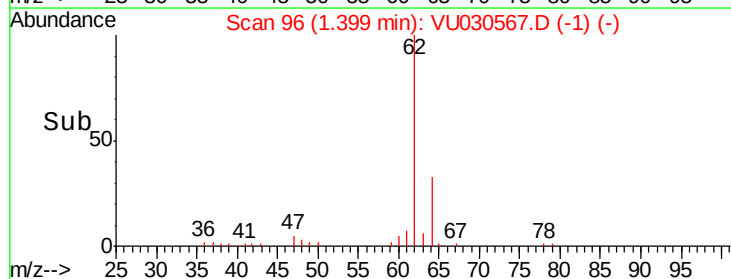
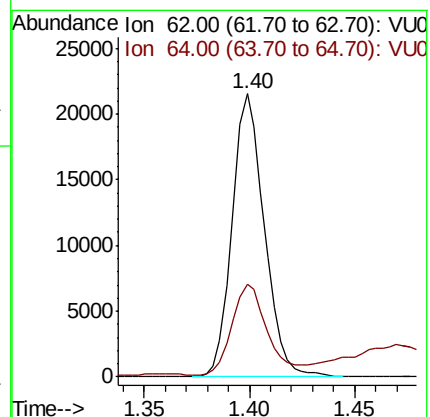
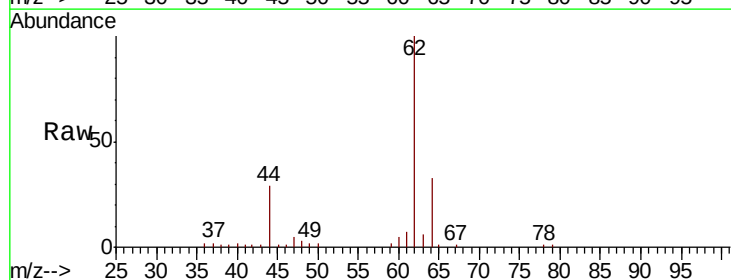
Acq: 30 Mar 2019 10:21

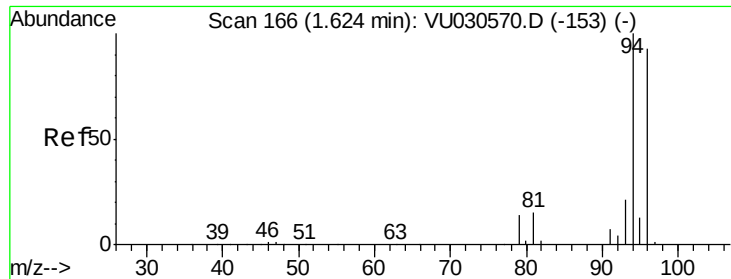
Tgt Ion: 62 Resp: 22827

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7

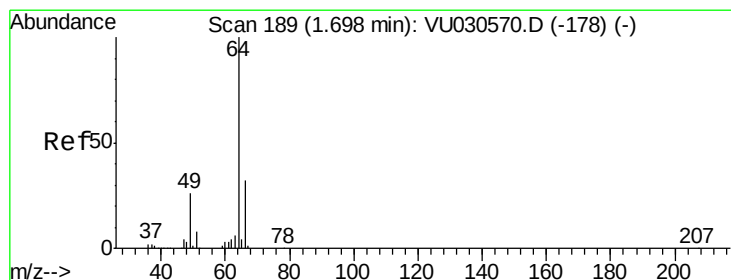
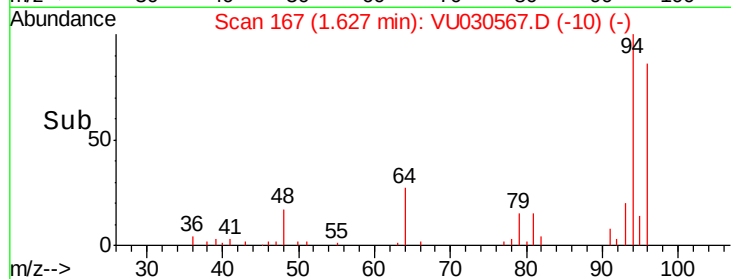
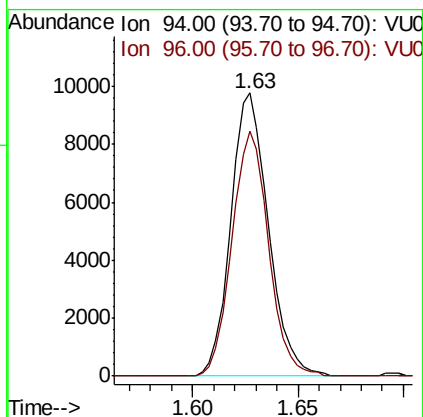
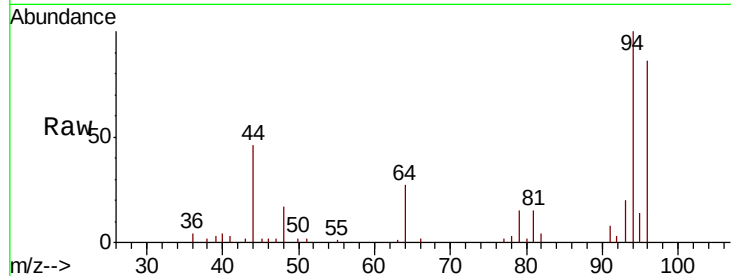




#5
 Bromomethane
 Concen: 1.088 ug/l
 RT: 1.63 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

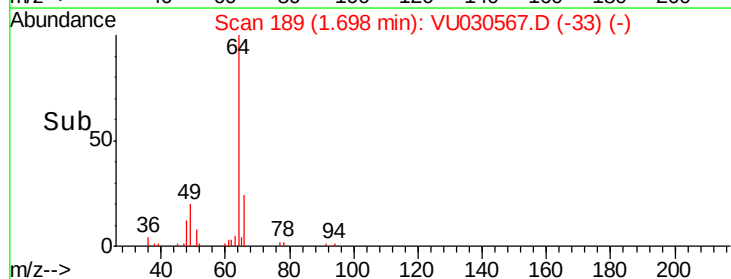
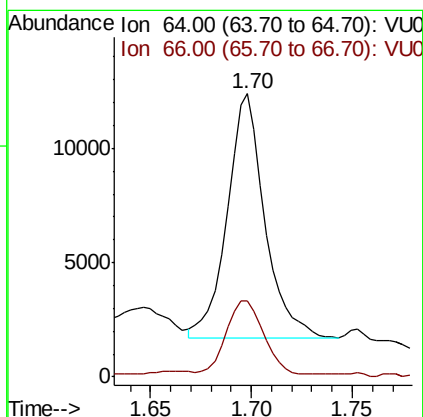
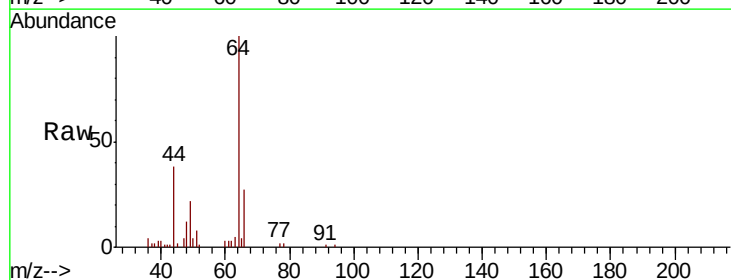
Instrument :
 MSVOA_U
 ClientSampled :

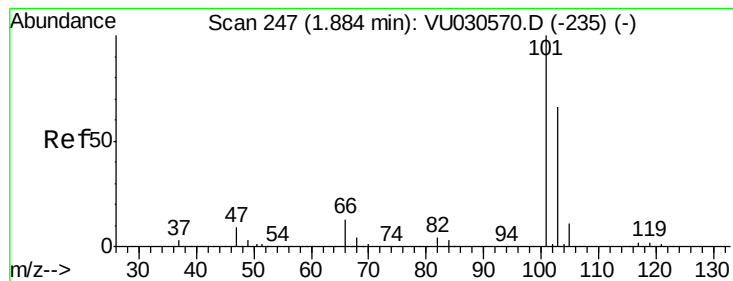
Tot Ion: 94 Resp: 12076
 Ion Ratio Lower Upper
 94 100
 96 86.5 74.8 112.2



#6
 Chloroethane
 Concen: 1.184 ug/l
 RT: 1.70 min Scan# 189
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion: 64 Resp: 13805
 Ion Ratio Lower Upper
 64 100
 66 30.1 25.5 38.3



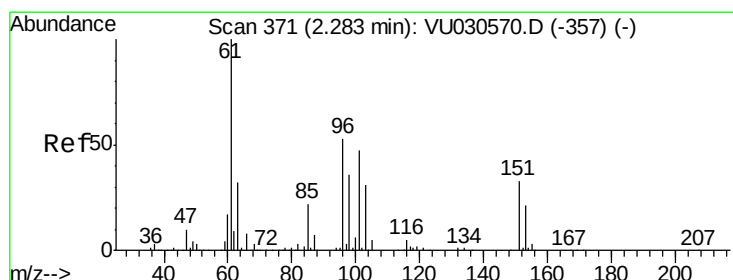
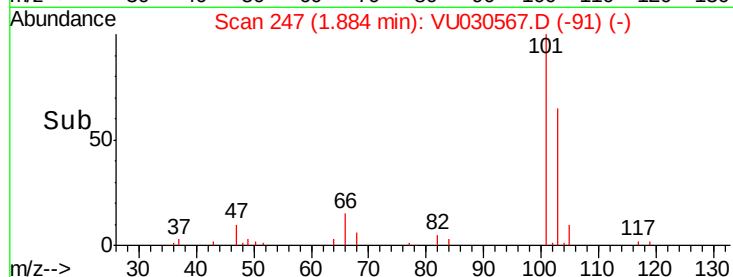
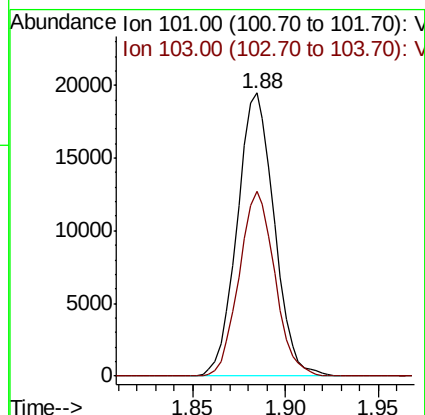
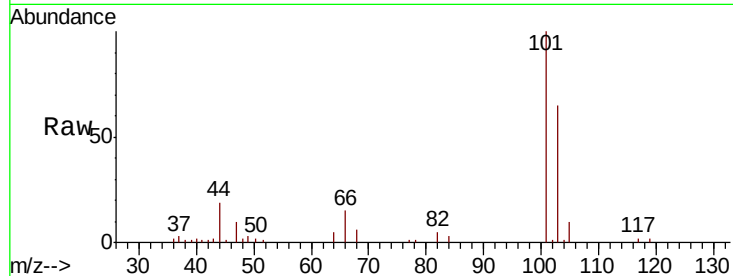


#7

Trichlorofluoromethane
 Concen: 1.052 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :

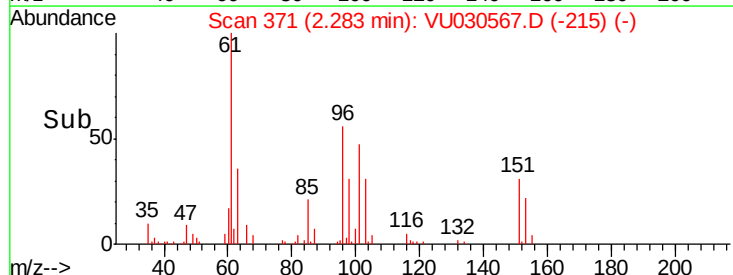
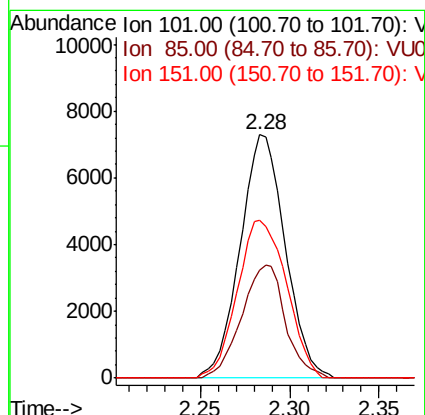
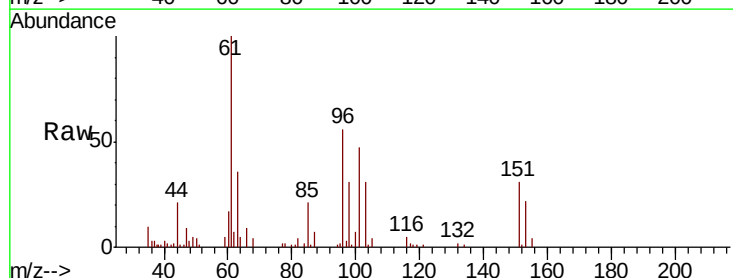
Tot Ion:101 Resp: 26975
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.6 79.0

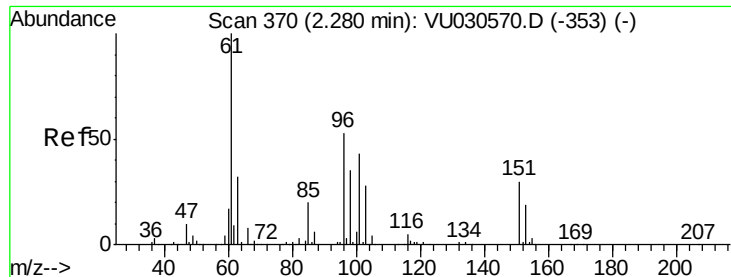


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.934 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion:101 Resp: 12837
 Ion Ratio Lower Upper
 101 100
 85 45.3 36.5 54.7
 151 70.5 56.5 84.7





#9

1,1-Dichloroethene

Concen: 0.951 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampled :

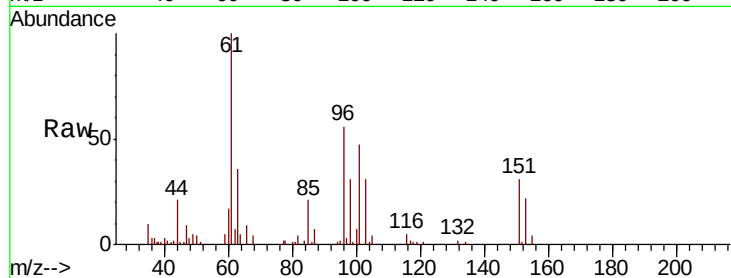
Tot Ion: 96 Resp: 12965

Ion Ratio Lower Upper

96 100

61 177.7 0.0 567.0

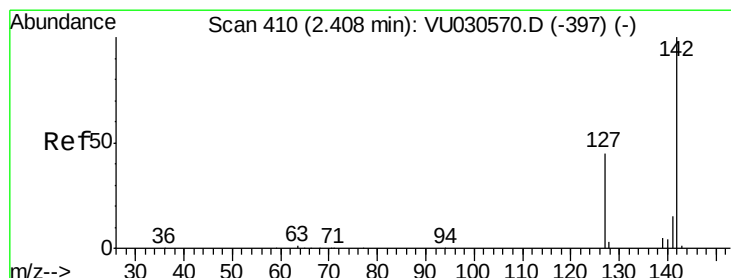
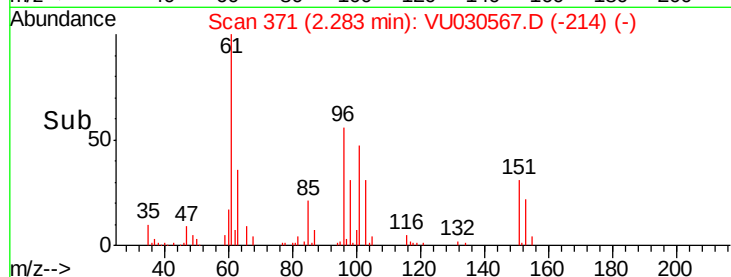
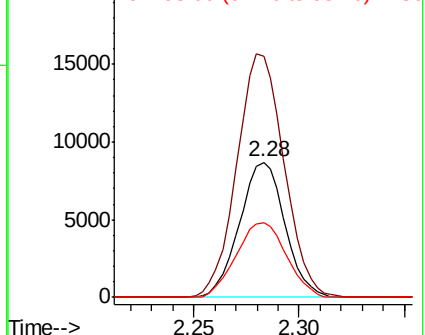
98 55.0 0.0 132.2



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: 0.798 ug/l

RT: 2.41 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU030567.D

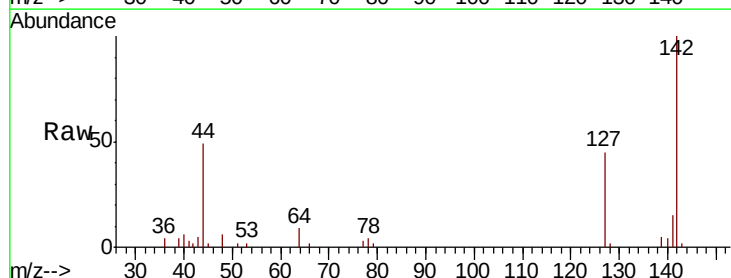
Acq: 30 Mar 2019 10:21

Tgt Ion: 142 Resp: 9348

Ion Ratio Lower Upper

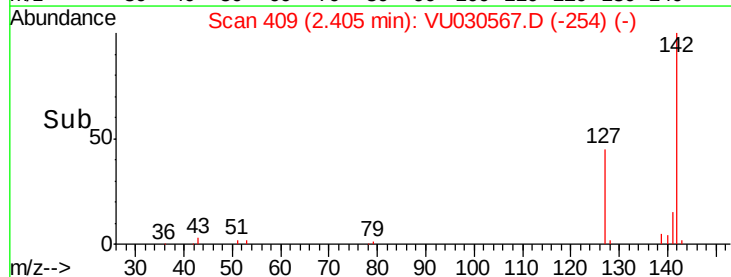
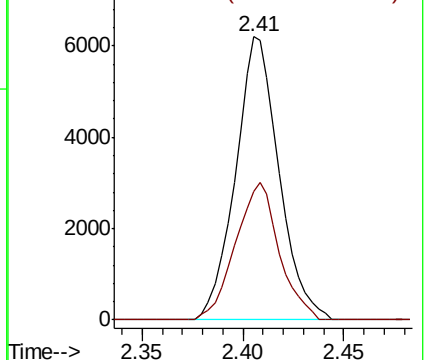
142 100

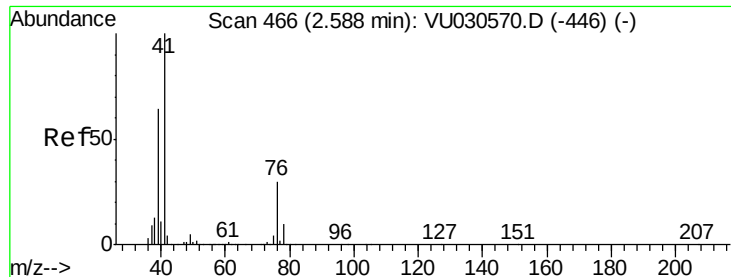
127 48.6 36.8 55.2



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

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

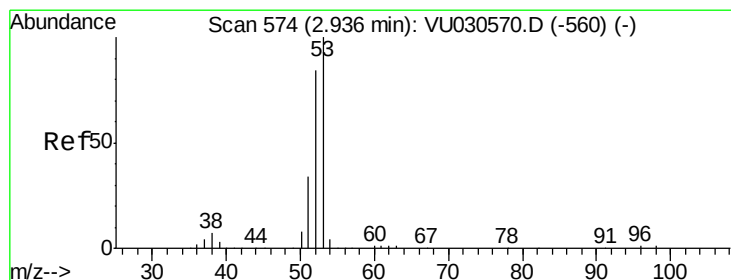
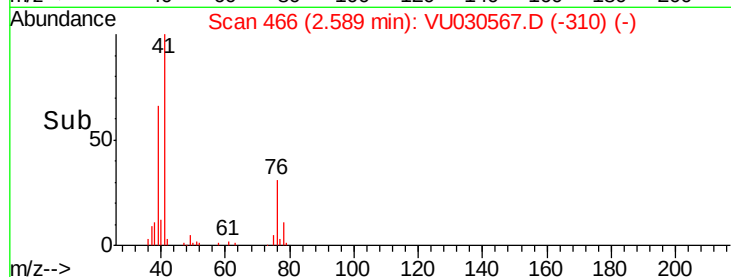
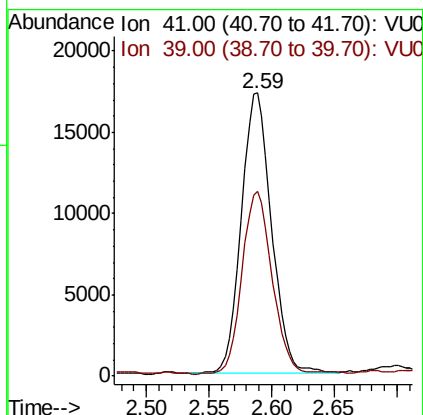
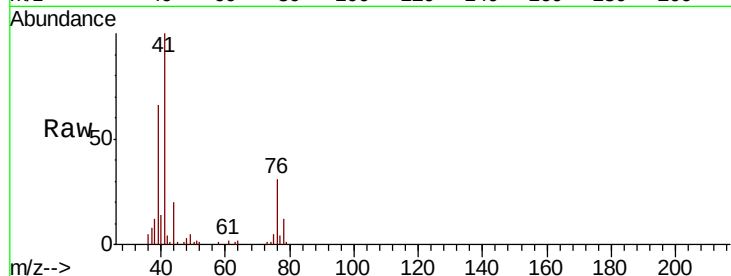




#11
Allvl Chloride
Concen: 1.366 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

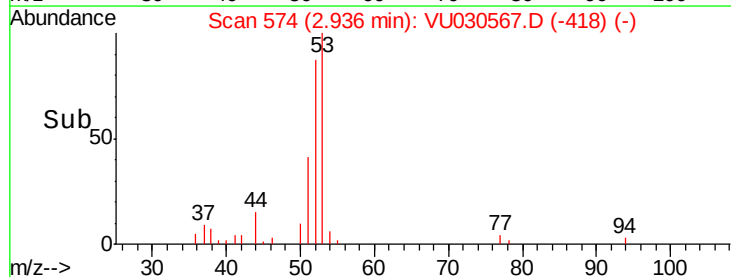
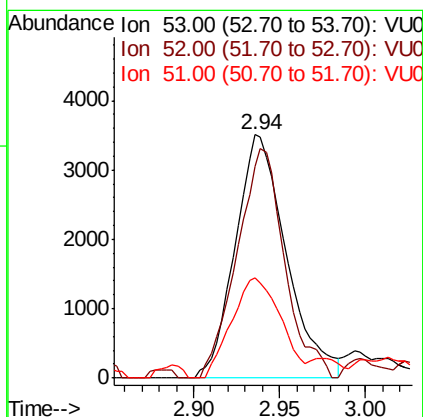
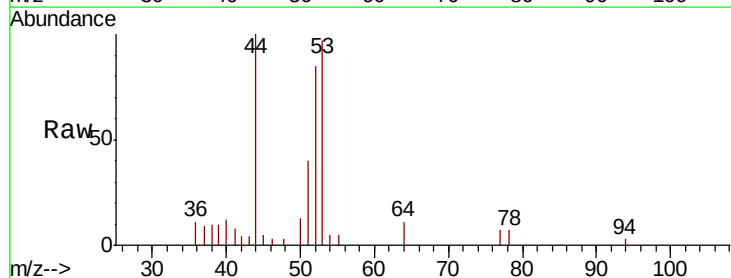
Instrument :
MSVOA_U
ClientSampleId :

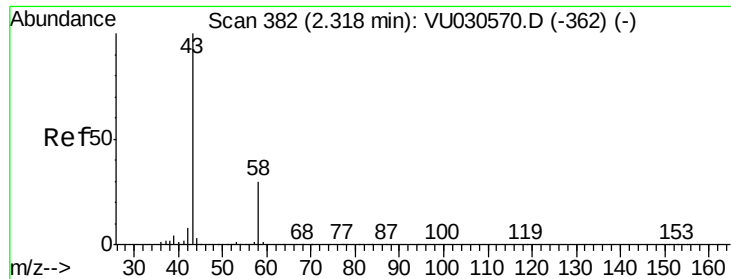
Tot Ion: 41 Resp: 28868
Ion Ratio Lower Upper
41 100
39 64.9 51.8 77.6



#12
Acrylonitrile
Concen: 2.330 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion: 53 Resp: 7228
Ion Ratio Lower Upper
53 100
52 87.9 69.1 103.7
51 39.7 27.9 41.9





#13

Acetone

Concen: 6.298 ug/l

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

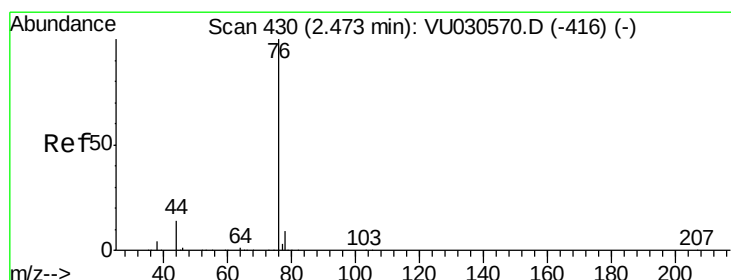
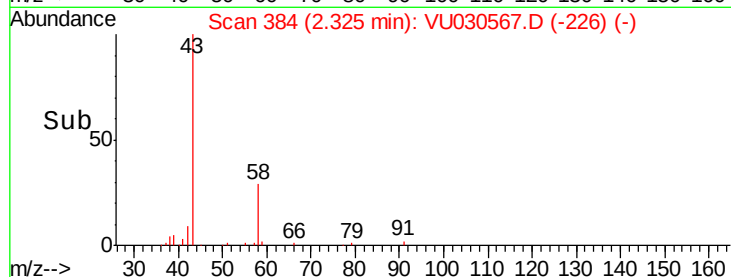
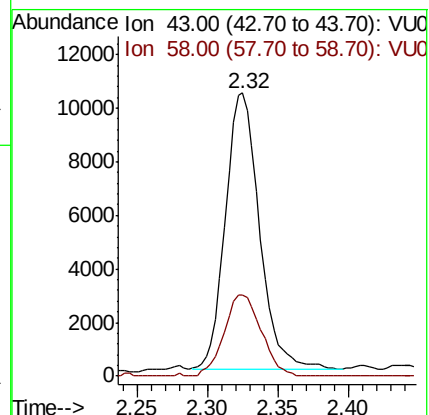
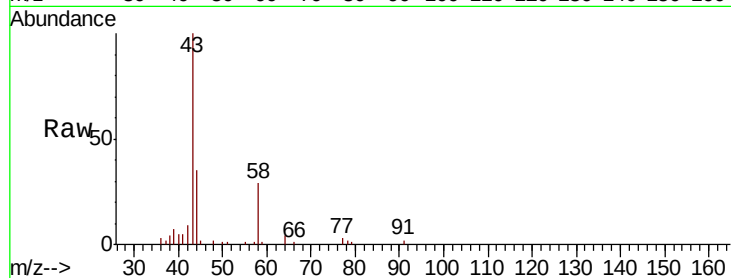
ClientSampleId :

Tot Ion: 43 Resp: 17275

Ion Ratio Lower Upper

43 100

58 29.4 24.2 36.4



#14

Carbon Disulfide

Concen: 1.007 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030567.D

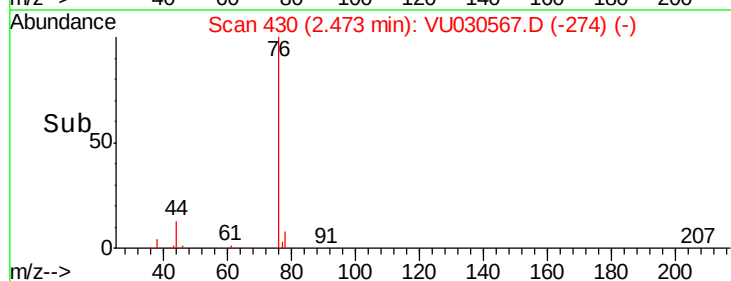
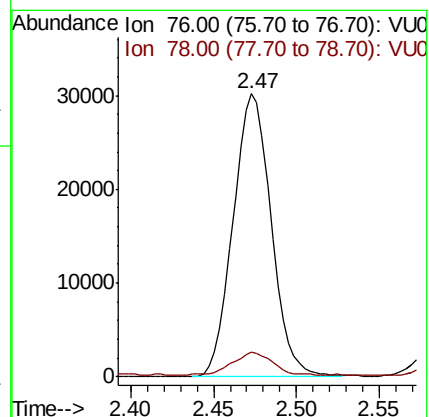
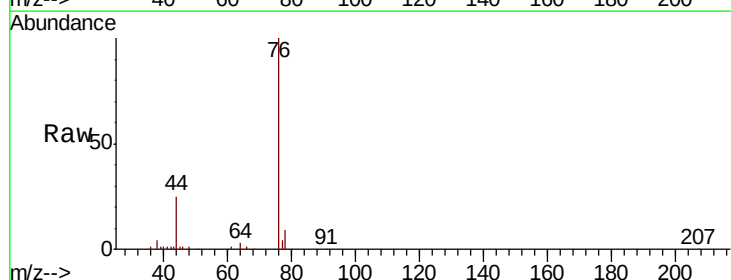
Acq: 30 Mar 2019 10:21

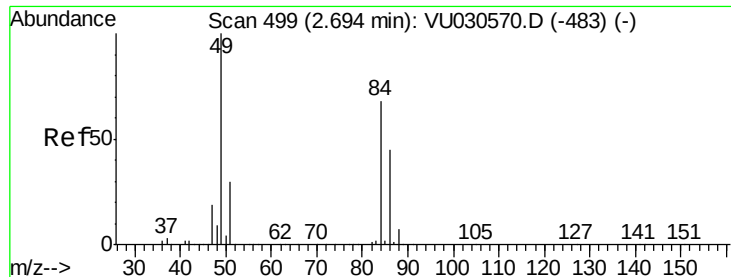
Tgt Ion: 76 Resp: 48281

Ion Ratio Lower Upper

76 100

78 8.0 7.3 10.9

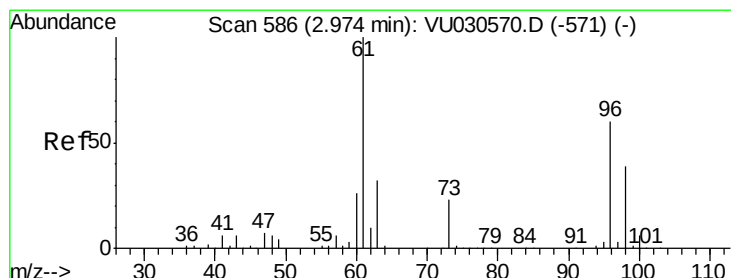
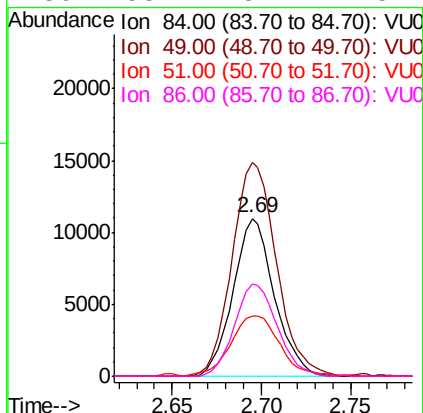
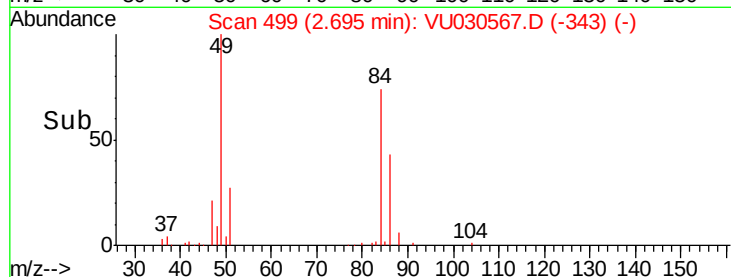
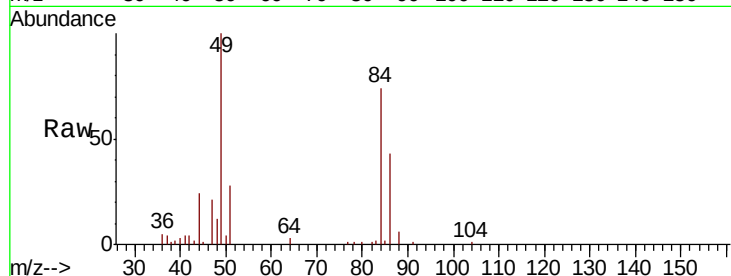




#15
Methylene Chloride
Concen: 1.081 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

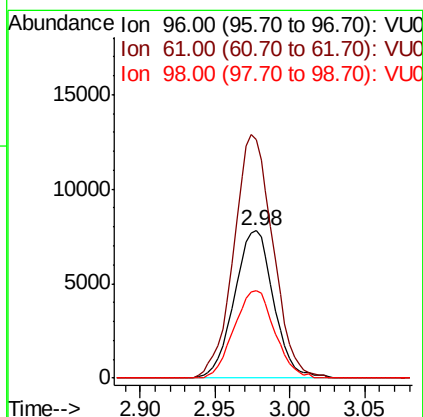
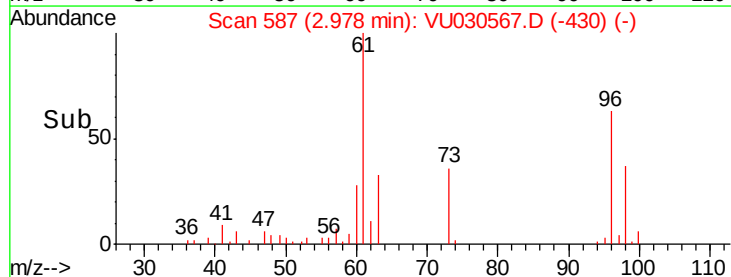
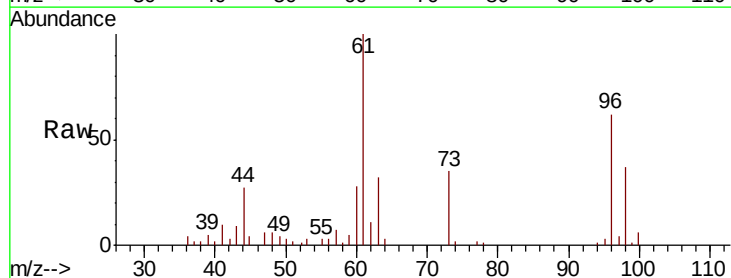
Instrument :
MSVOA_U
ClientSampled :

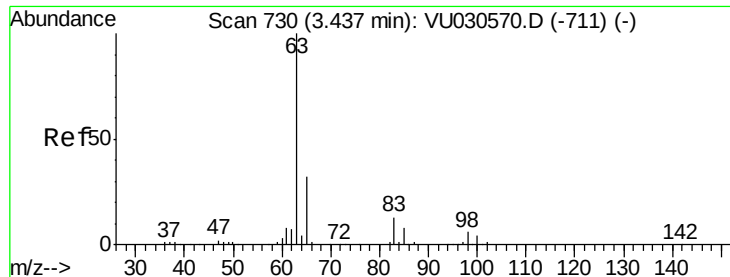
Tot Ion: 84 Resp: 17681
Ion Ratio Lower Upper
84 100
49 135.5 117.0 175.6
51 37.3 0.0 88.6
86 58.4 52.2 78.2



#16
trans-1,2-Dichloroethene
Concen: 0.912 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion: 96 Resp: 14284
Ion Ratio Lower Upper
96 100
61 161.7 132.3 198.5
98 59.8 51.3 76.9

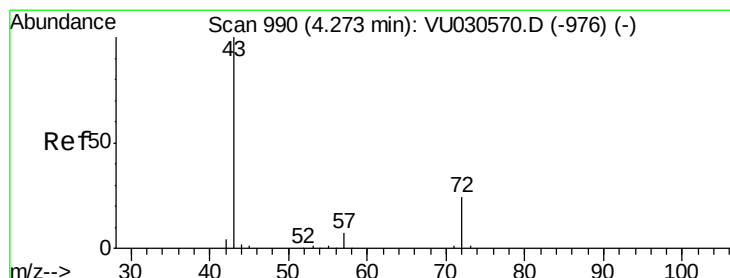
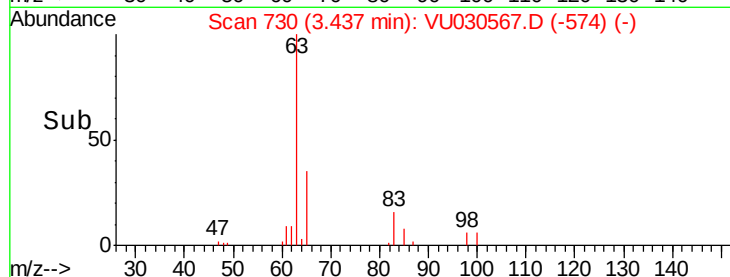
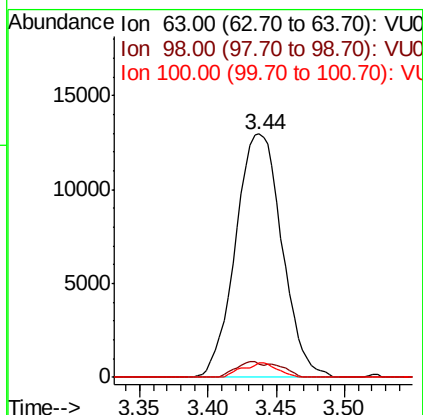
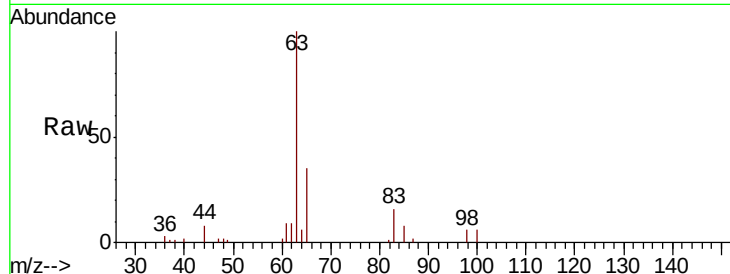




#17
 1,1-Dichloroethane
 Concen: 1.114 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

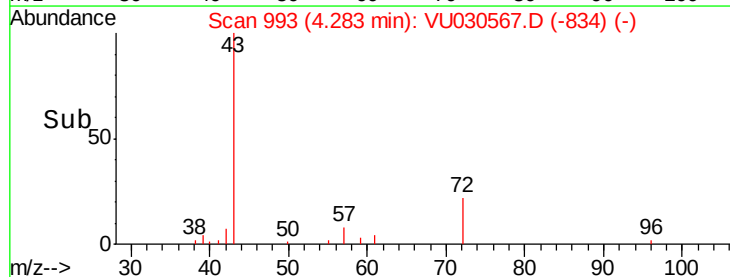
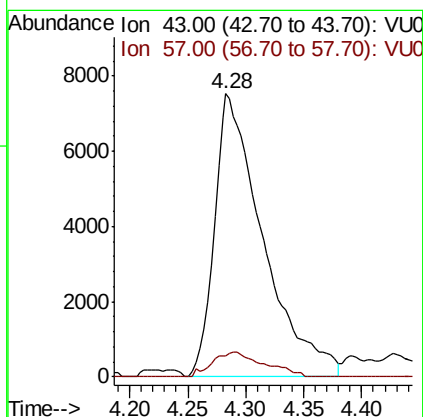
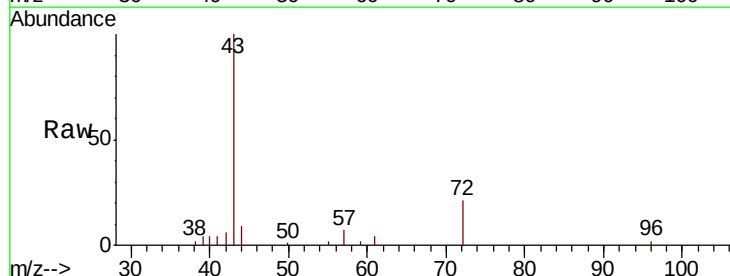
Instrument :
 MSVOA_U
 ClientSampleId :

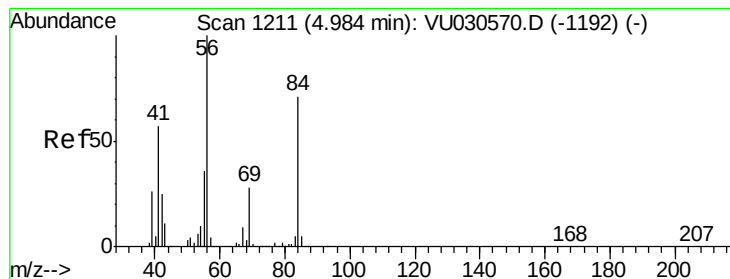
Tot Ion: 63 Resp: 30610
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.0 9.0
 100 5.7 1.8 5.5#



#18
 2-Butanone
 Concen: 5.755 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion: 43 Resp: 21897
 Ion Ratio Lower Upper
 43 100
 57 7.5 0.0 14.4





#19

Cyclohexane

Concen: 0.918 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampled :

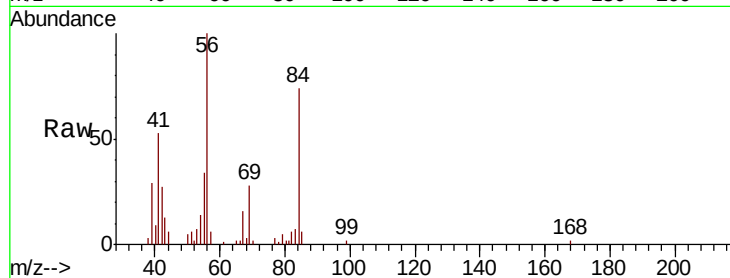
Tot Ion: 56 Resp: 21706

Ion Ratio Lower Upper

56 100

69 29.8 22.3 33.5

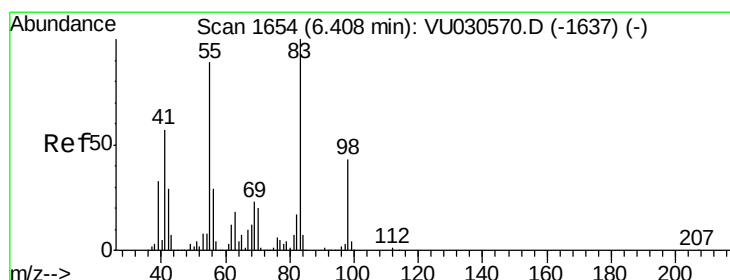
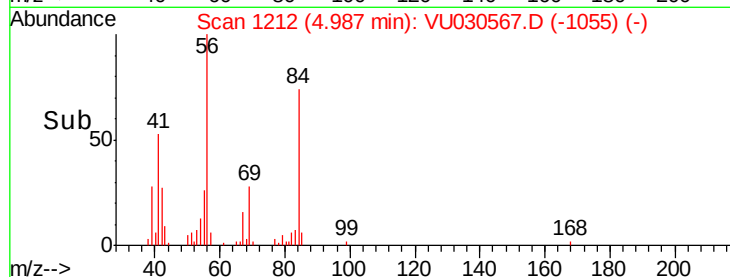
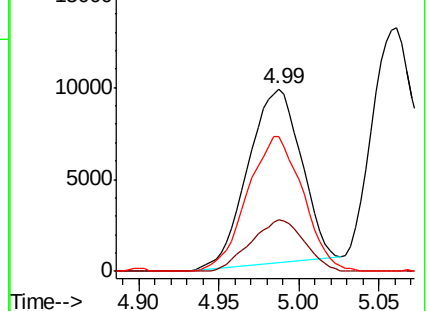
84 80.8 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VU030567.D (-1192) (-)

Ion 69.00 (68.70 to 69.70): VU030567.D (-1192) (-)

Ion 84.00 (83.70 to 84.70): VU030567.D (-1192) (-)



#20

Methylcyclohexane

Concen: 0.738 ug/l

RT: 6.41 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

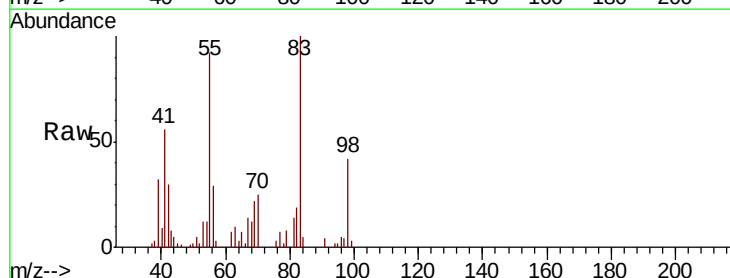
Tgt Ion: 83 Resp: 18435

Ion Ratio Lower Upper

83 100

55 95.9 72.0 108.0

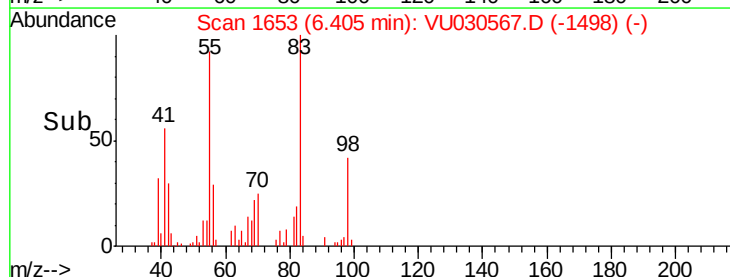
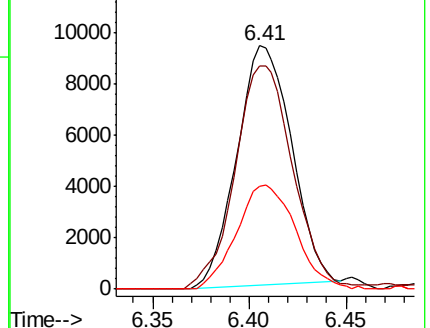
98 46.8 35.0 52.4

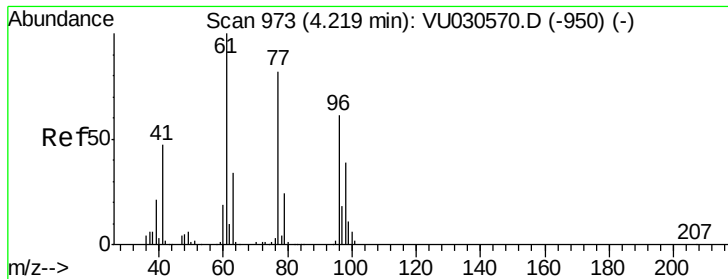


Abundance Ion 83.00 (82.70 to 83.70): VU030567.D (-1498) (-)

Ion 55.00 (54.70 to 55.70): VU030567.D (-1498) (-)

Ion 98.00 (97.70 to 98.70): VU030567.D (-1498) (-)





#21

2,2-Dichloropropane

Concen: 1.011 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

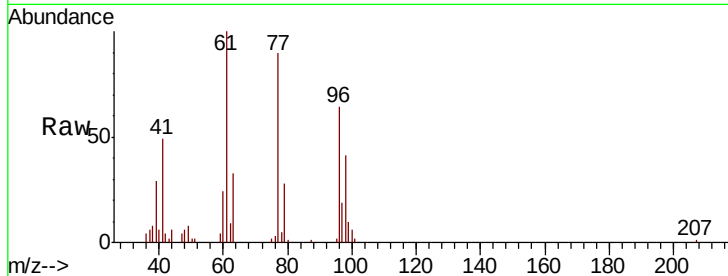
ClientSampled :

Tot Ion: 77 Resp: 23055

Ion Ratio Lower Upper

77 100

97 22.5 17.6 26.4



Abundance Ion 77.00 (76.70 to 77.70): VU030570.D (-950) (-)

Ion 97.00 (96.70 to 97.70): VU030570.D (-950) (-)

4.22

10000

8000

6000

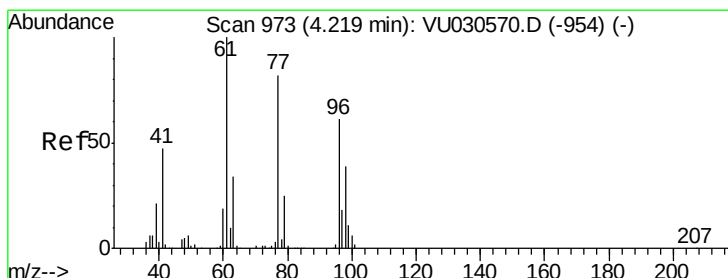
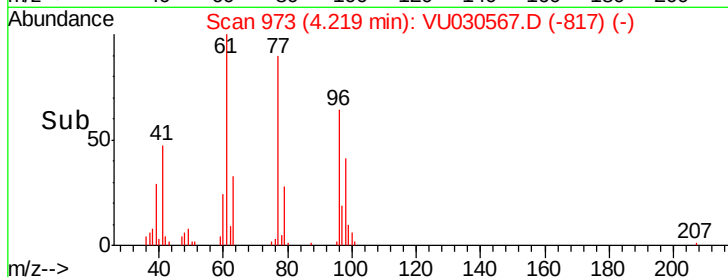
4000

2000

0

Time-->

4.10 4.15 4.20 4.25 4.30



#22

cis-1,2-Dichloroethene

Concen: 0.912 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

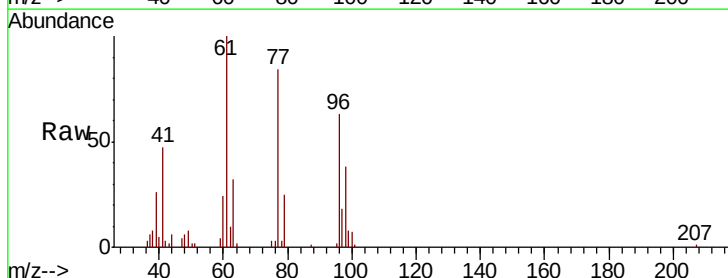
Tgt Ion: 96 Resp: 15848

Ion Ratio Lower Upper

96 100

61 163.2 0.0 427.0

98 61.0 32.5 97.4



Abundance Ion 96.00 (95.70 to 96.70): VU030570.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU030570.D (-954) (-)

Ion 98.00 (97.70 to 98.70): VU030570.D (-954) (-)

4.22

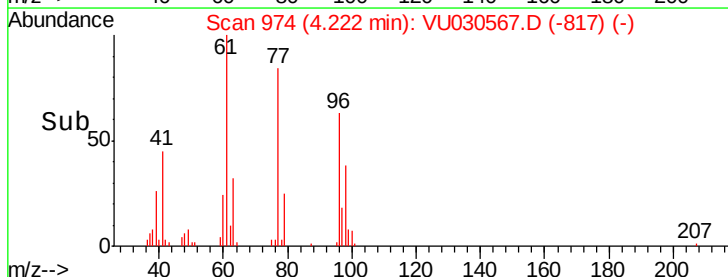
10000

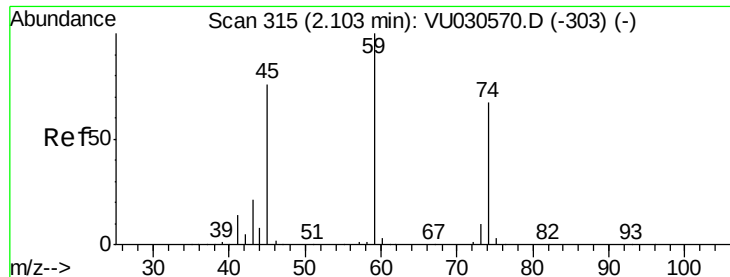
5000

0

Time-->

4.15 4.20 4.25 4.30





#23

Diethyl Ether

Concen: 1.146 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

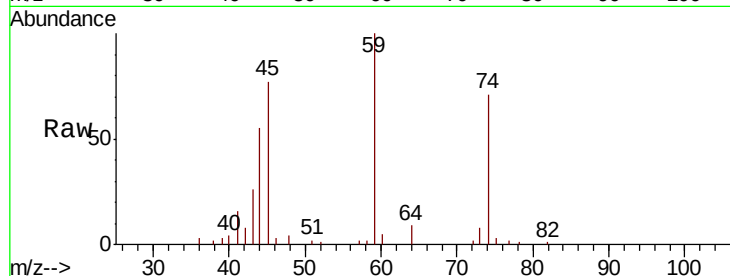
Tot Ion: 59 Resp: 12219

Ion Ratio Lower Upper

59 100

45 80.4 61.6 92.4

74 70.0 53.2 79.8

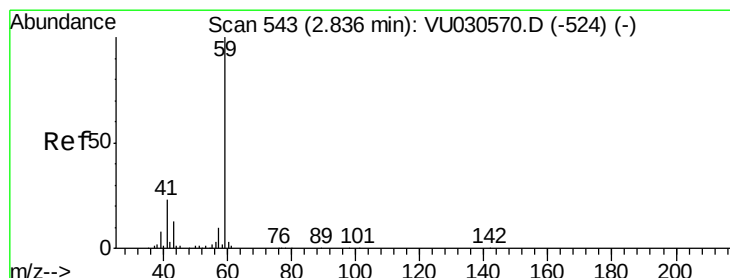
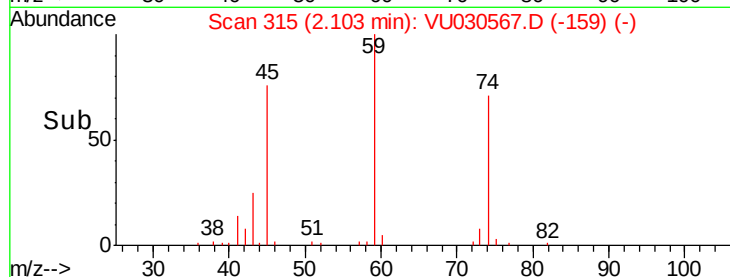
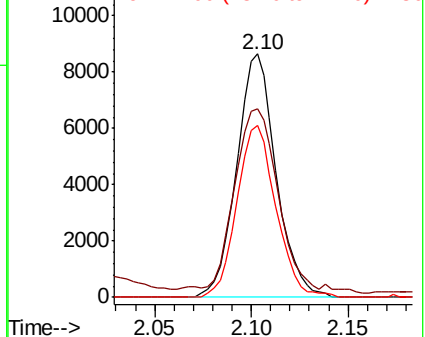


Abundance

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: 10.068 ug/l

RT: 2.85 min Scan# 546

Delta R.T. 0.01 min

Lab File: VU030567.D

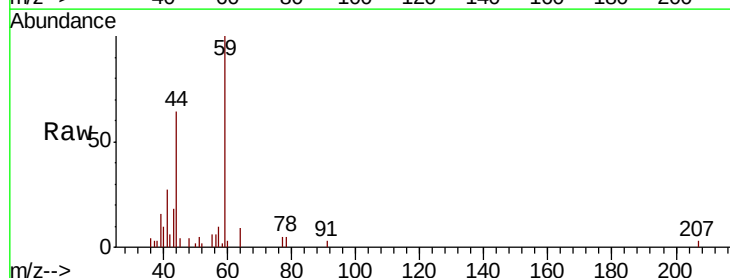
Acq: 30 Mar 2019 10:21

Tgt Ion: 59 Resp: 11459

Ion Ratio Lower Upper

59 100

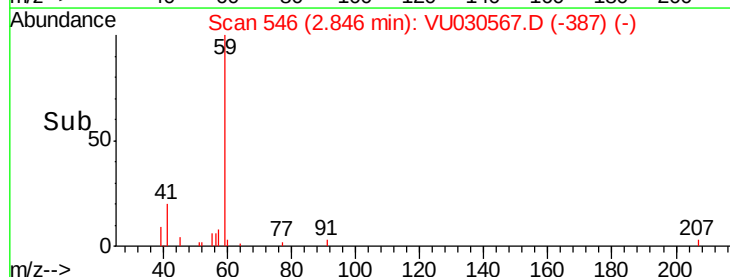
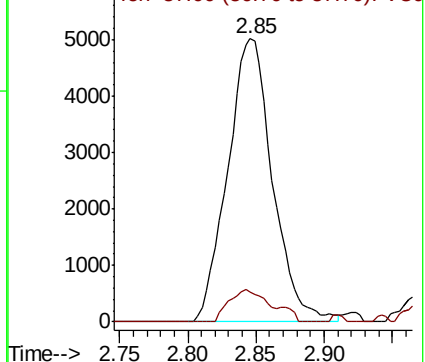
57 9.3 8.4 12.6

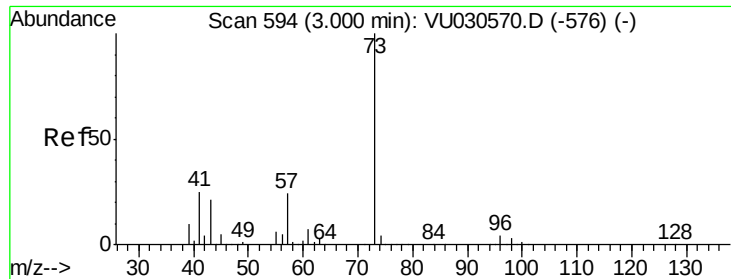


Abundance

Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



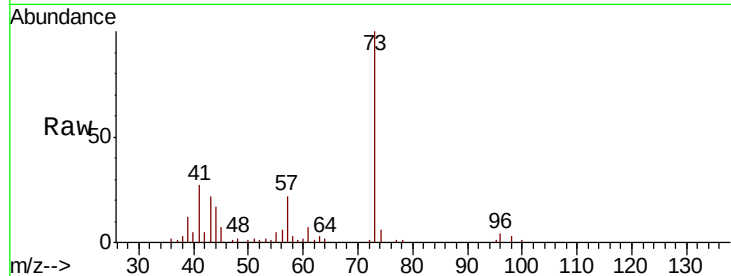


#25

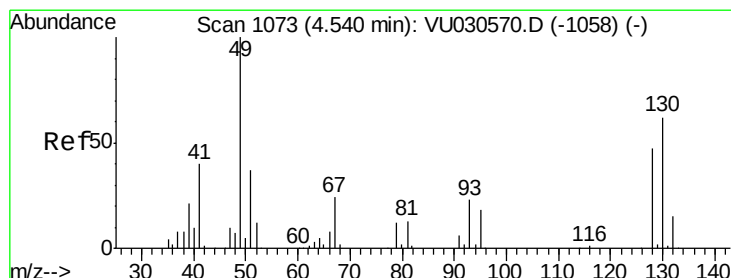
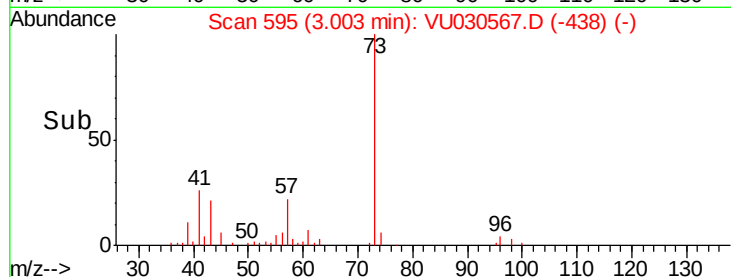
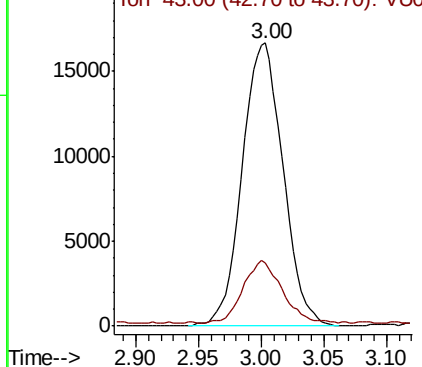
Methyl tert-Butyl Ether
 Concen: 1.067 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 37829
 Ion Ratio Lower Upper
 73 100
 43 21.0 16.6 24.8



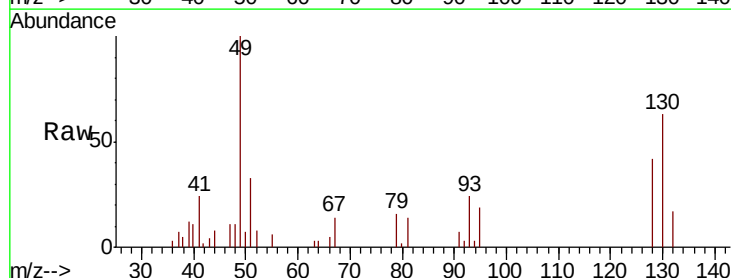
Abundance Ion 73.00 (72.70 to 73.70): VU030567.D (-576) (-)
 Ion 43.00 (42.70 to 43.70): VU030567.D (-576) (-)



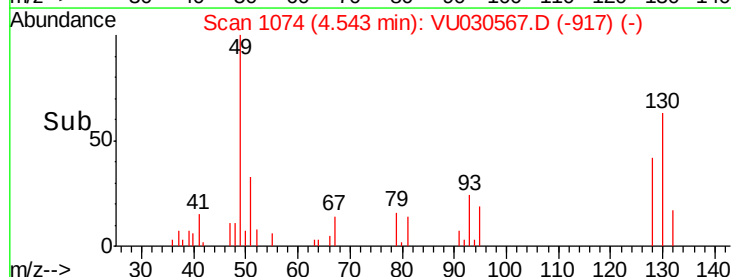
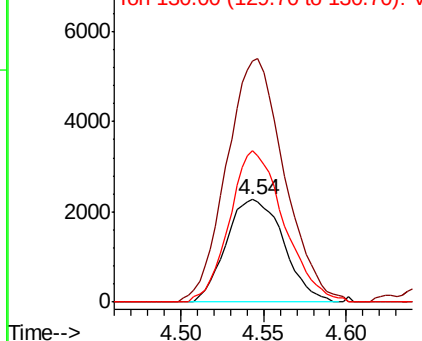
#26

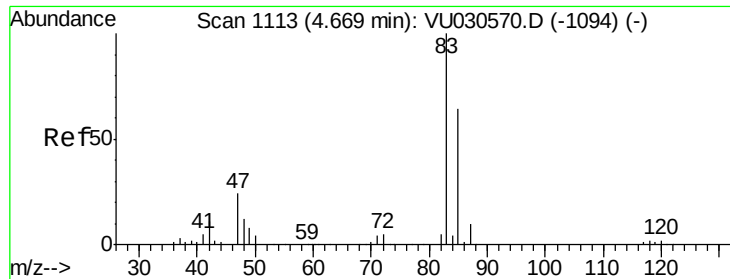
Bromochloromethane
 Concen: 0.735 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion: 128 Resp: 5488
 Ion Ratio Lower Upper
 128 100
 49 237.8 0.0 418.2
 130 140.0 103.4 155.0



Abundance Ion 128.00 (127.70 to 128.70): VU030567.D (-1058) (-)
 Ion 49.00 (48.70 to 49.70): VU030567.D (-1058) (-)
 Ion 130.00 (129.70 to 130.70): VU030567.D (-1058) (-)

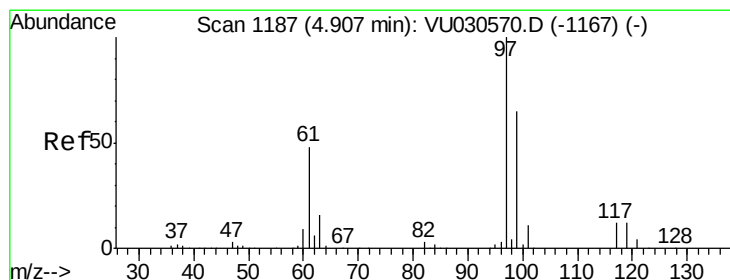
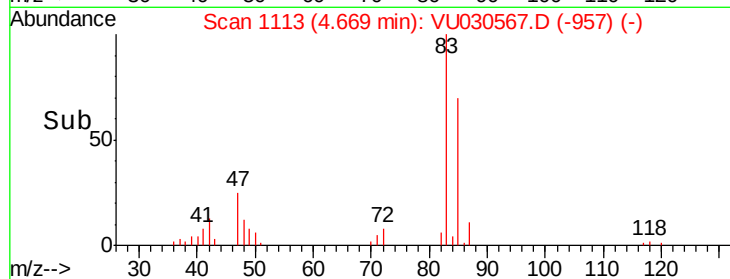
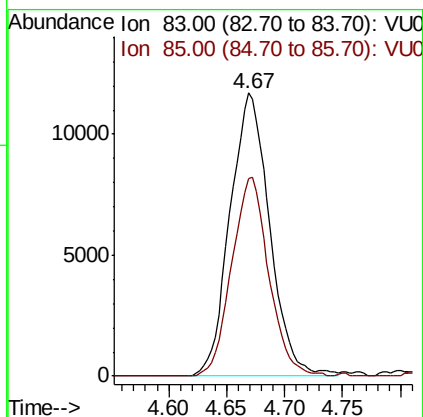
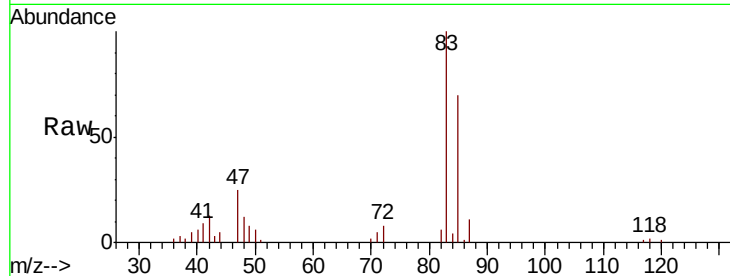




#27
Chloroform
Concen: 0.973 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

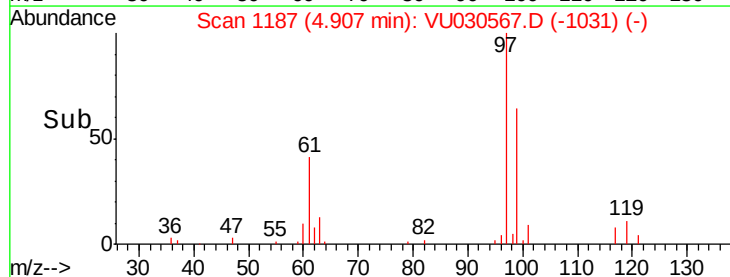
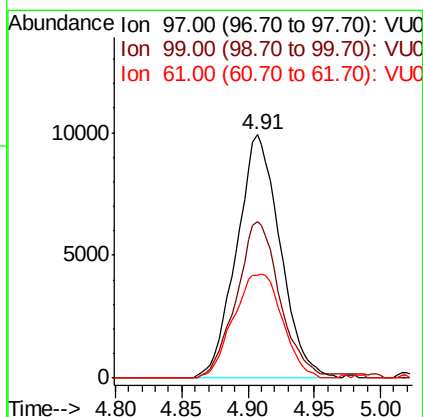
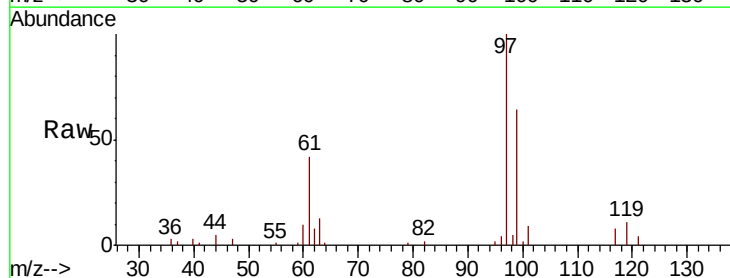
Instrument :
MSVOA_U
ClientSampleId :

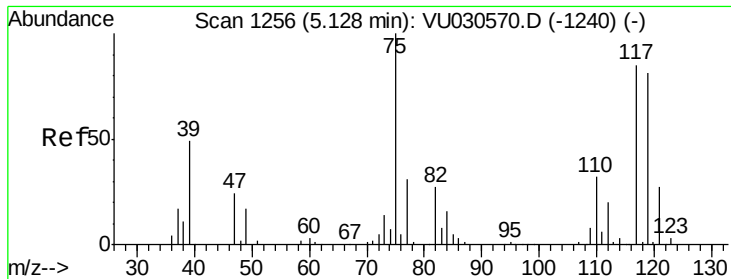
Tot Ion: 83 Resp: 27750
Ion Ratio Lower Upper
83 100
85 69.8 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 0.972 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion: 97 Resp: 22631
Ion Ratio Lower Upper
97 100
99 64.4 32.0 96.0
61 47.8 24.0 72.0





#29

1,1-Dichloropropene

Concen: 0.859 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

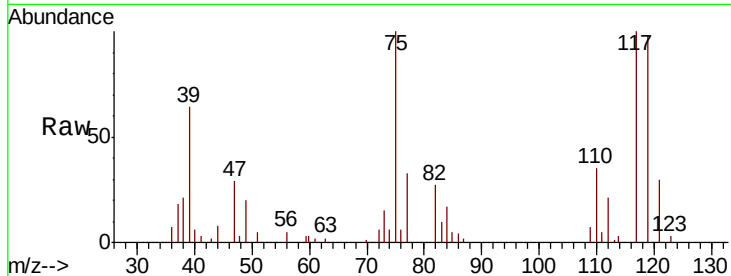
Tot Ion: 75 Resp: 18169

Ion Ratio Lower Upper

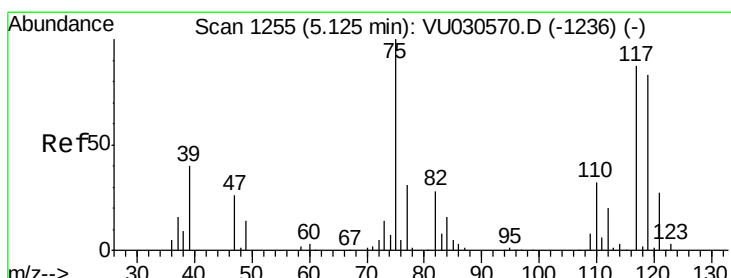
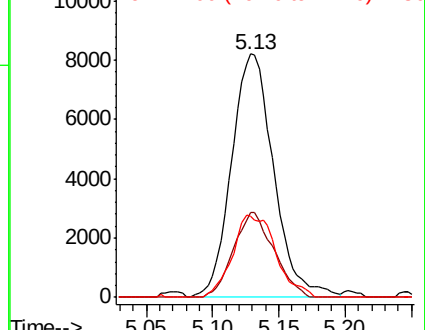
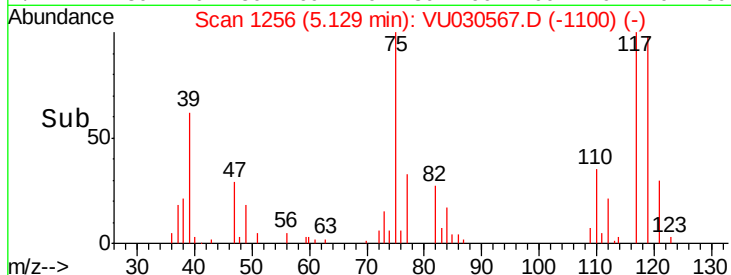
75 100

110 33.4 16.0 48.0

77 34.6 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VU030567.D (-1100) (-)



#30

Carbon Tetrachloride

Concen: 0.914 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

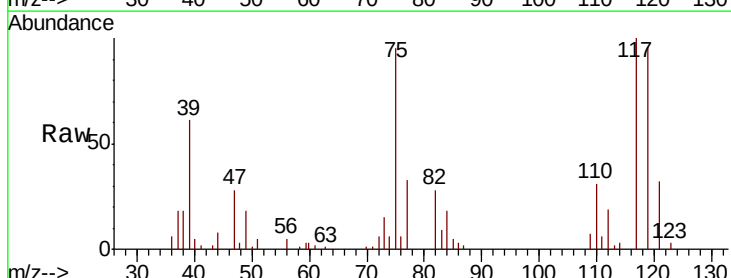
Tgt Ion: 117 Resp: 18846

Ion Ratio Lower Upper

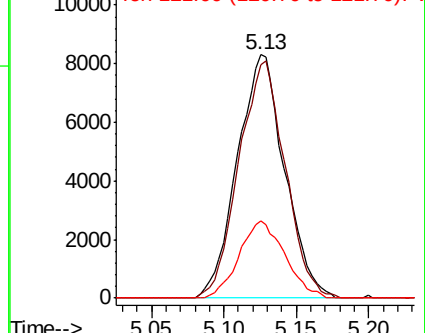
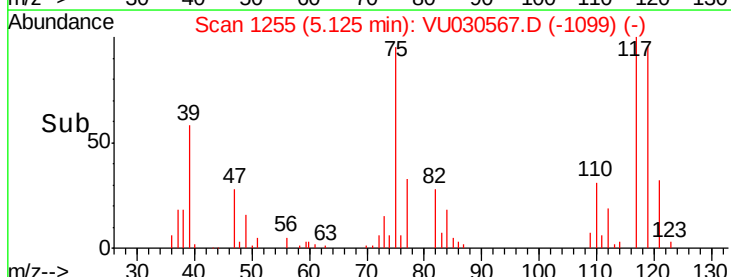
117 100

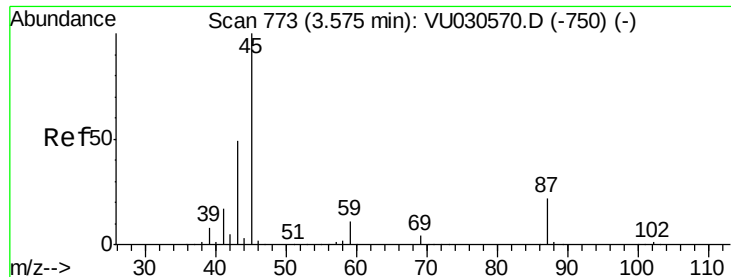
119 95.7 76.4 114.6

121 31.9 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): VU030567.D (-1099) (-)





#31

Isopropyl Ether

Concen: 1.228 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

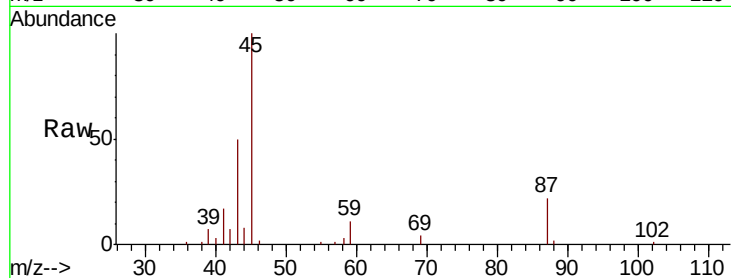
ClientSampleId :

Tot Ion: 45 Resp: 49357

Ion Ratio Lower Upper

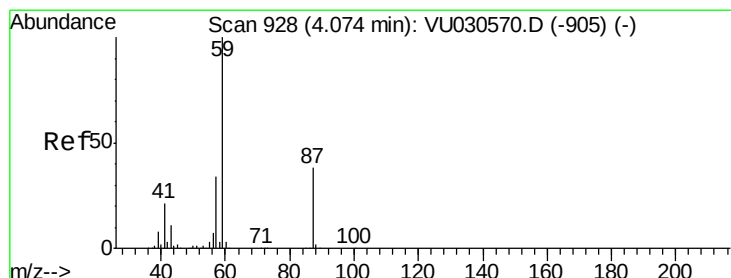
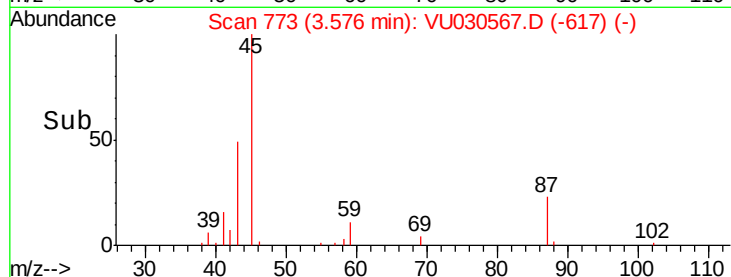
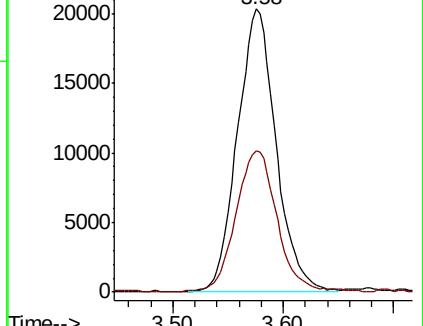
45 100

43 51.1 25.0 75.0



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

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



#32

Ethyl-t-butyl ether

Concen: 1.011 ug/l

RT: 4.08 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU030567.D

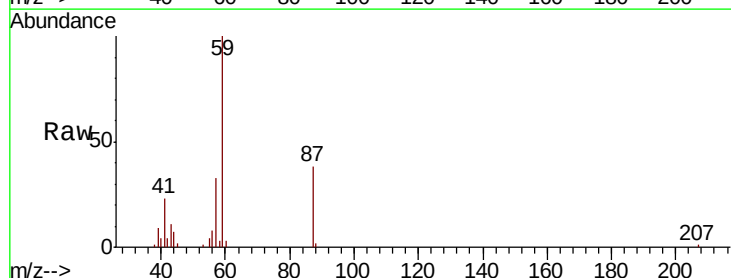
Acq: 30 Mar 2019 10:21

Tgt Ion: 59 Resp: 37603

Ion Ratio Lower Upper

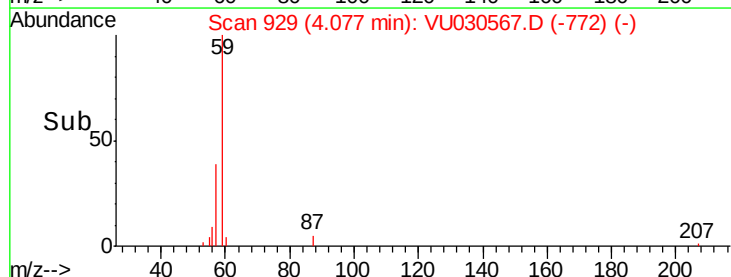
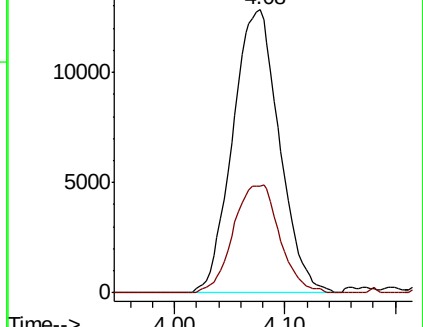
59 100

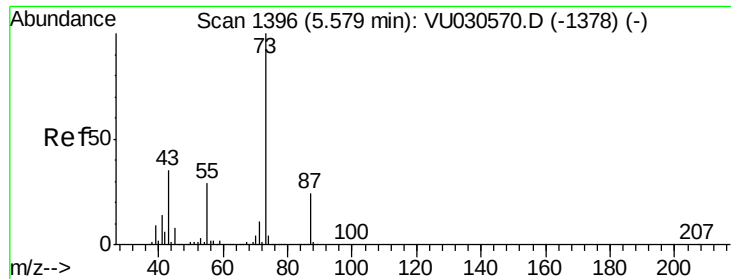
87 37.9 30.1 45.1



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

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

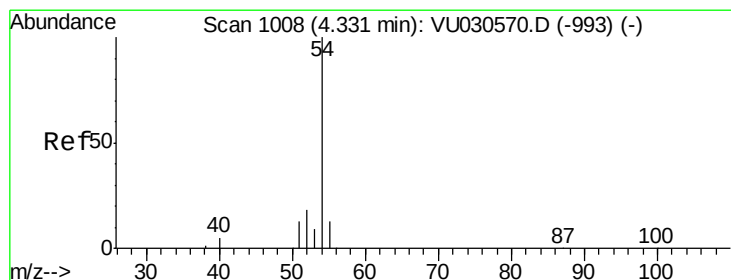
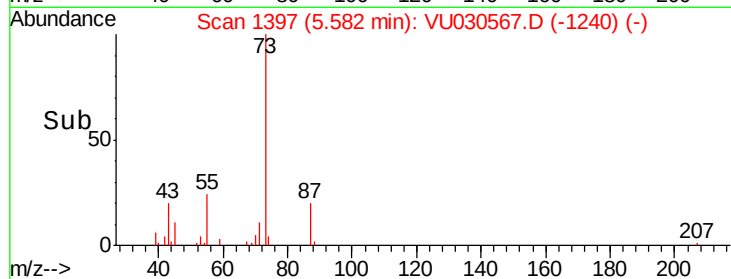
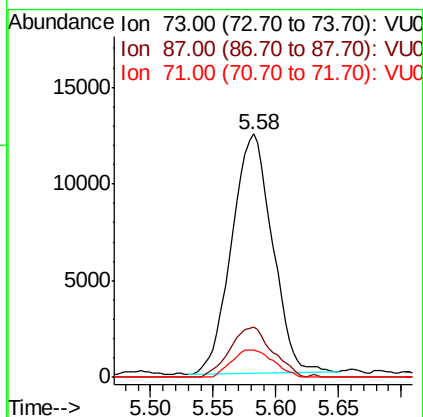
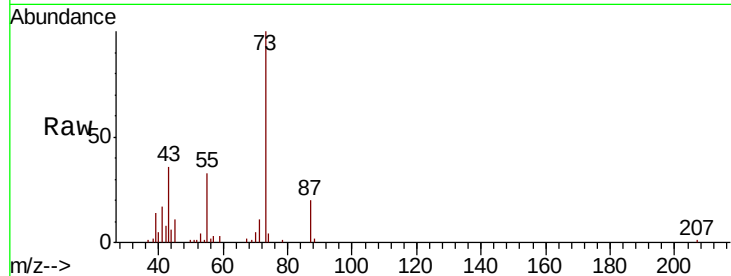




#33
Tert-Butyl methyl ether
Concen: 0.831 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

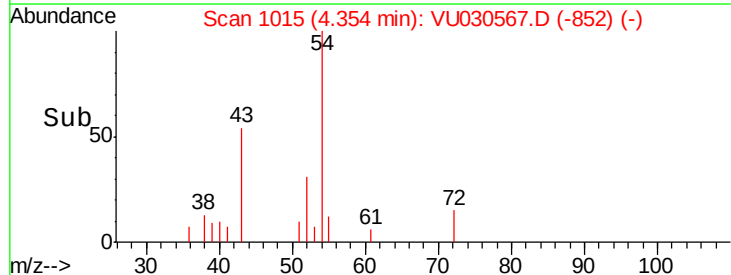
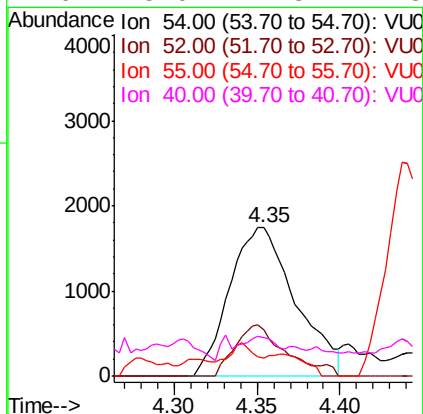
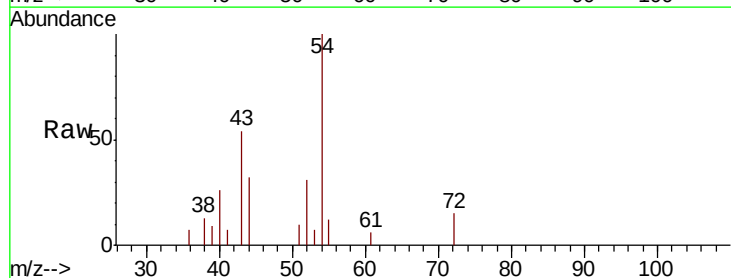
Instrument :
MSVOA_U
ClientSampleId :

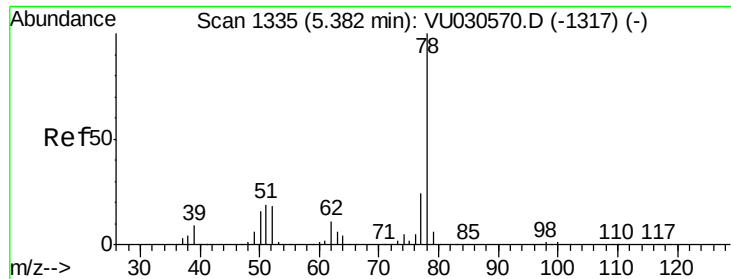
Tot Ion: 73 Resp: 27770
Ion Ratio Lower Upper
73 100
87 22.0 18.6 27.8
71 11.8 9.0 13.4



#34
Propionitrile
Concen: 4.580 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion: 54 Resp: 4831
Ion Ratio Lower Upper
54 100
52 24.7 14.1 21.1#
55 0.0 10.4 15.6#
40 3.0 1.8 2.8#





#35

Benzene

Concen: 0.974 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

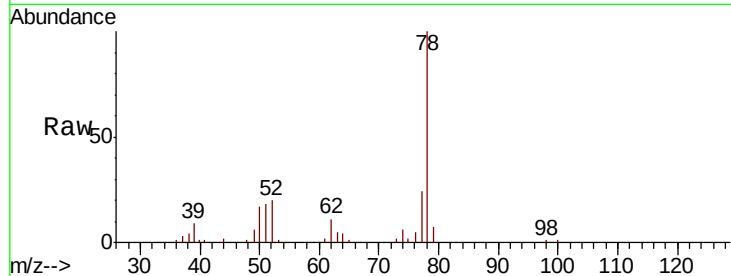
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 60462

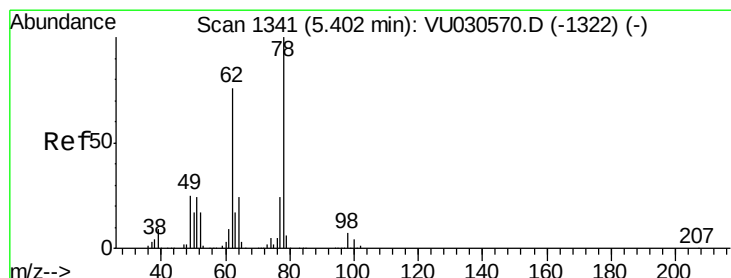
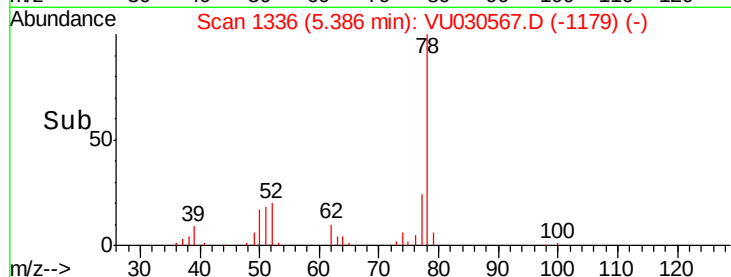
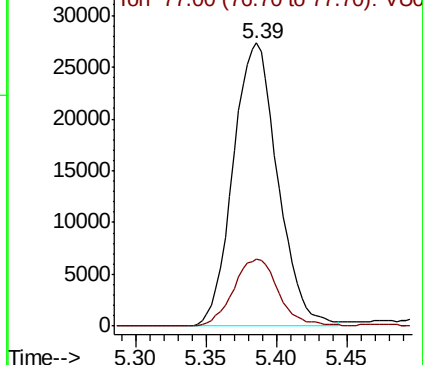
Ion Ratio Lower Upper

78 100

77 23.7 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VU030567.D (-1179) (-)



#36

1,2-Dichloroethane

Concen: 1.077 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030567.D

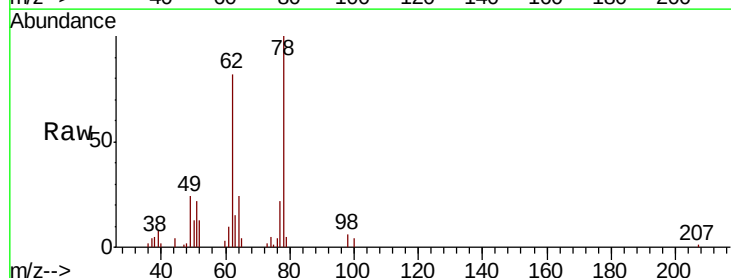
Acq: 30 Mar 2019 10:21

Tgt Ion: 62 Resp: 18387

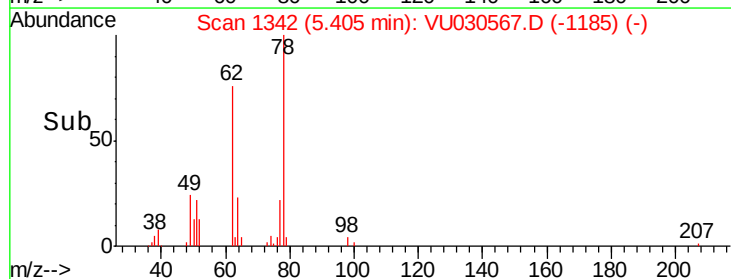
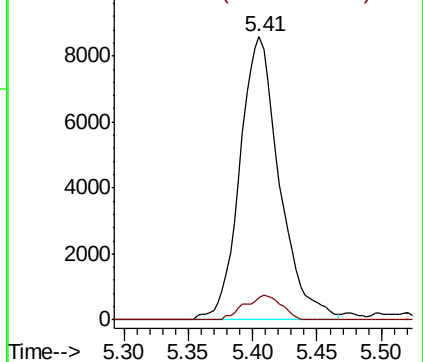
Ion Ratio Lower Upper

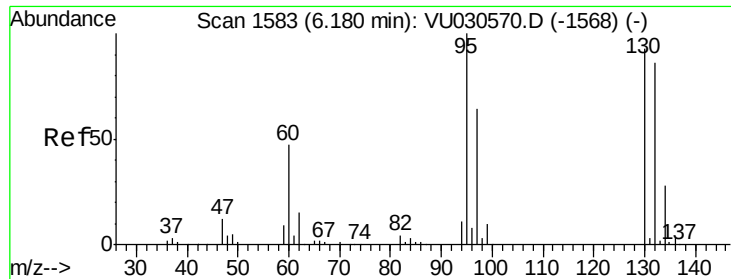
62 100

98 8.0 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU030567.D (-1185) (-)

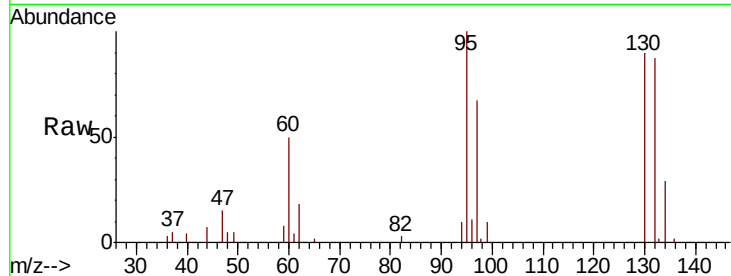




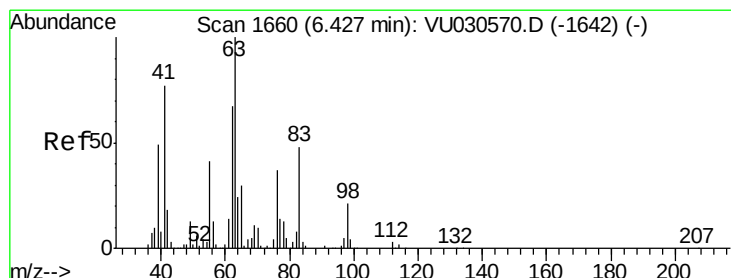
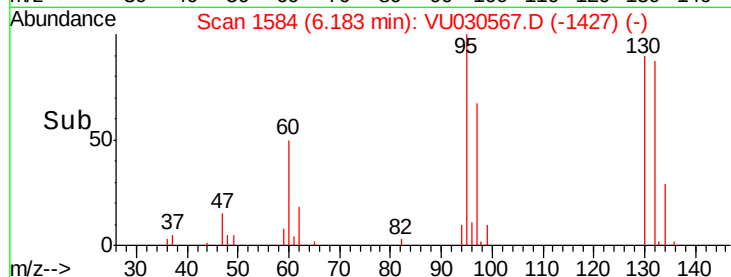
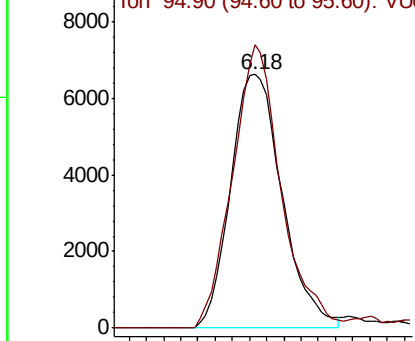
#37
 Trichloroethene
 Concen: 0.801 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:130 Resp: 13865
 Ion Ratio Lower Upper
 130 100
 95 111.6 85.8 128.8

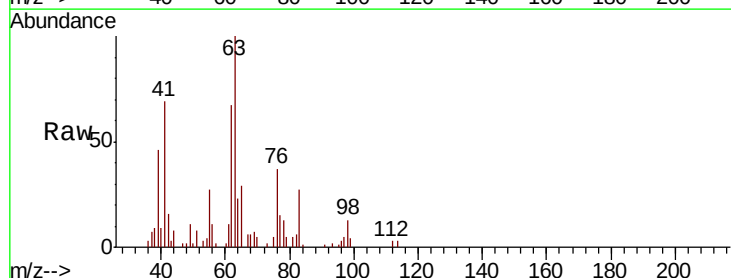


Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)

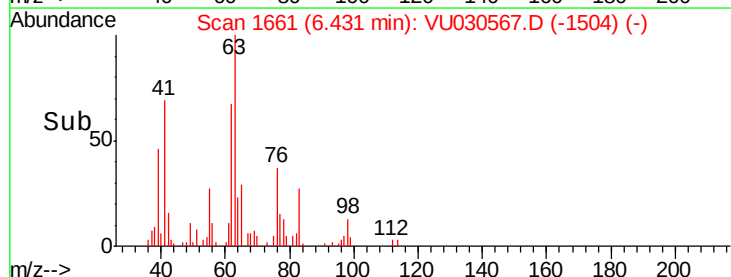
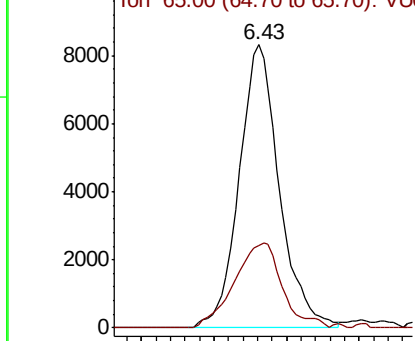


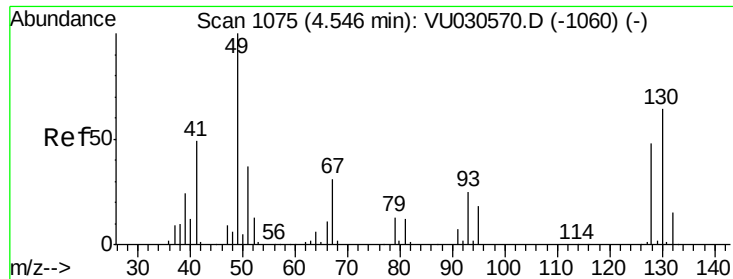
#38
 1,2-Dichloropropane
 Concen: 0.997 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion: 63 Resp: 16004
 Ion Ratio Lower Upper
 63 100
 65 29.1 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) (-)

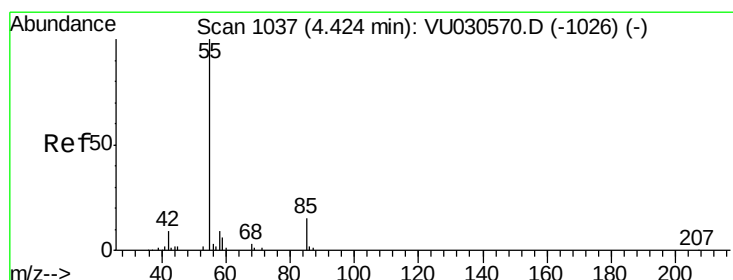
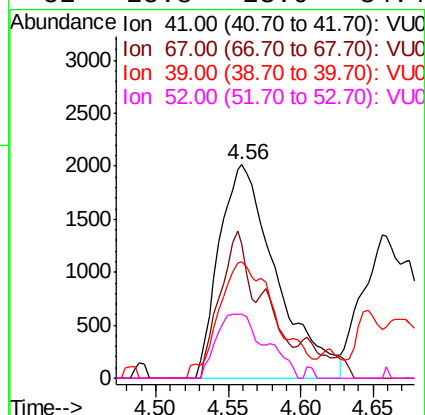
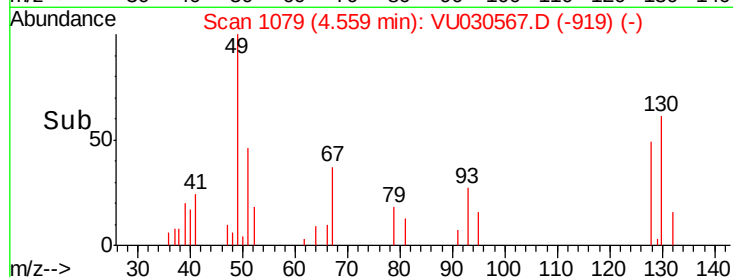
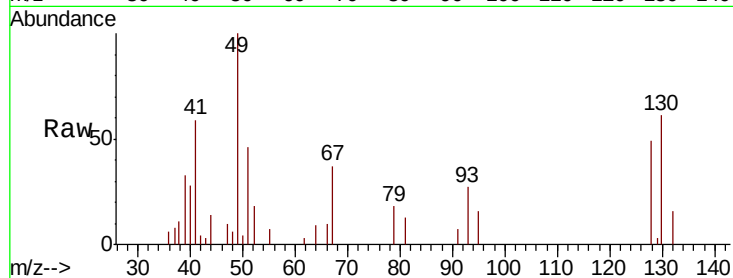




#39
Methacrylonitrile
Concen: 1.178 ug/l
RT: 4.56 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

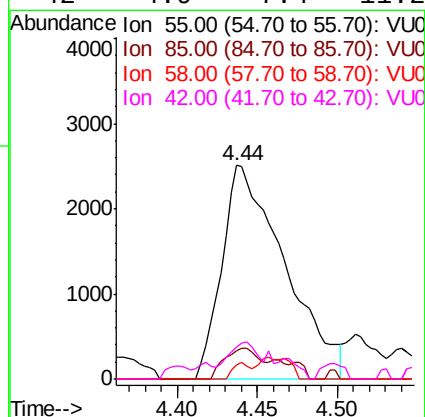
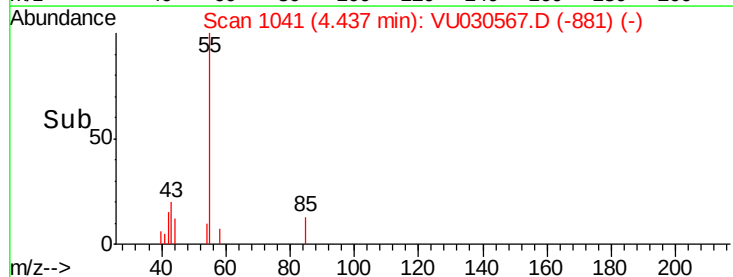
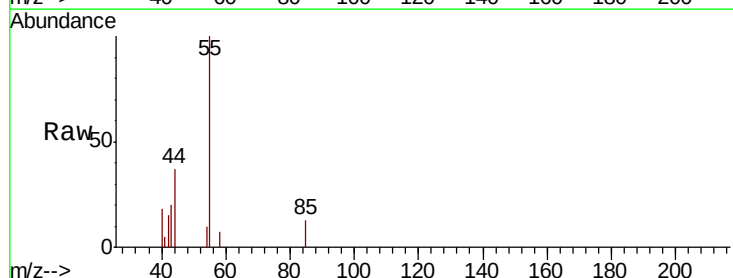
Instrument :
MSVOA_U
ClientSampleId :

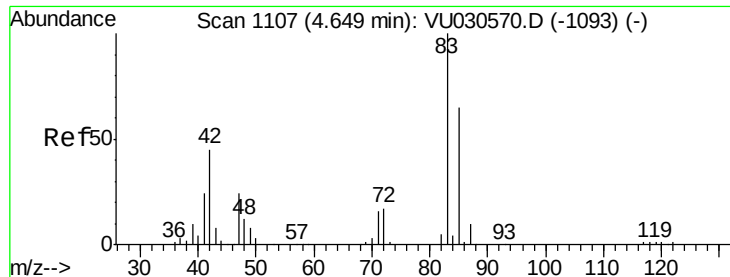
Tot Ion: 41 Resp: 5525
Ion Ratio Lower Upper
41 100
67 35.8 50.2 75.4#
39 54.5 40.7 61.1
52 25.8 23.0 34.4



#40
Methyl acrylate
Concen: 0.948 ug/l
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion: 55 Resp: 6770
Ion Ratio Lower Upper
55 100
85 8.3 12.5 18.7#
58 2.1 6.3 9.5#
42 4.9 7.4 11.2#





#41

Tetrahydrofuran

Concen: 2.031 ug/l

RT: 4.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :

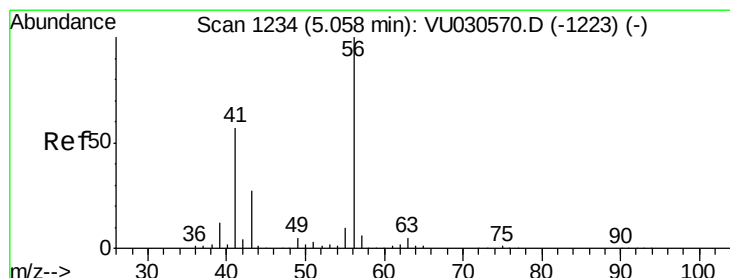
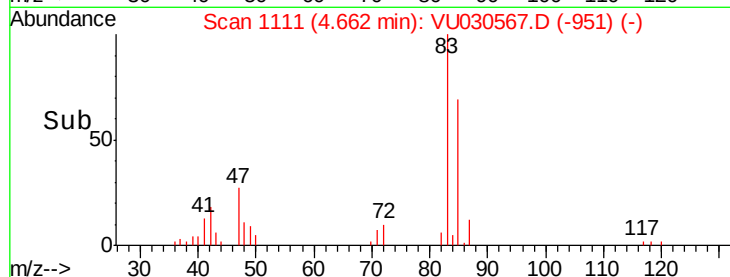
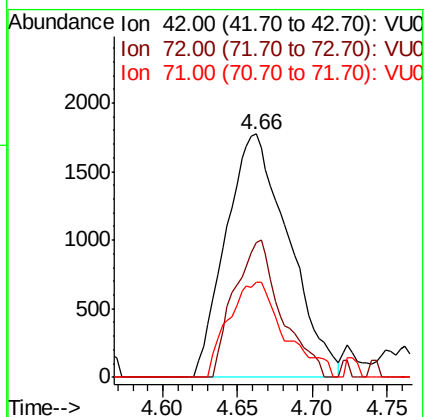
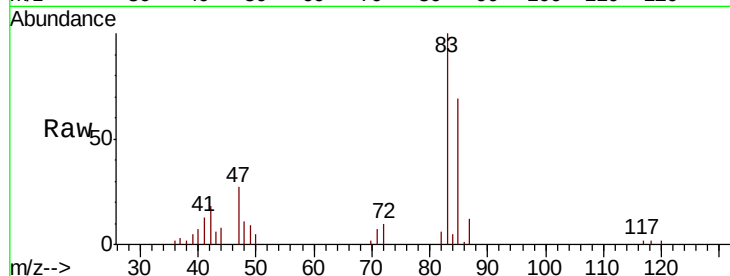
Tot Ion: 42 Resp: 5178

Ion Ratio Lower Upper

42 100

72 42.4 33.4 50.0

71 35.0 28.8 43.2



#42

1-Chlorobutane

Concen: 0.983 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU030567.D

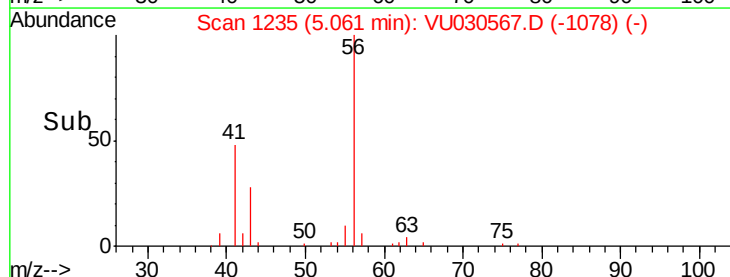
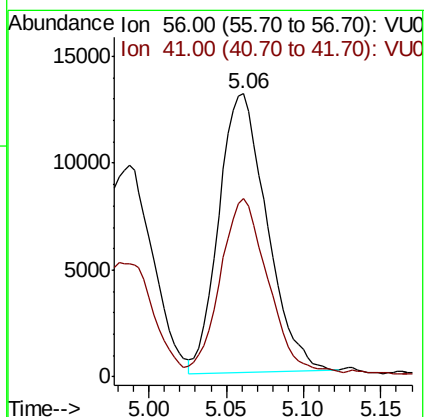
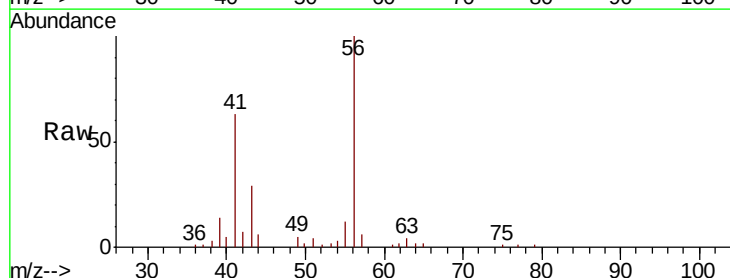
Acq: 30 Mar 2019 10:21

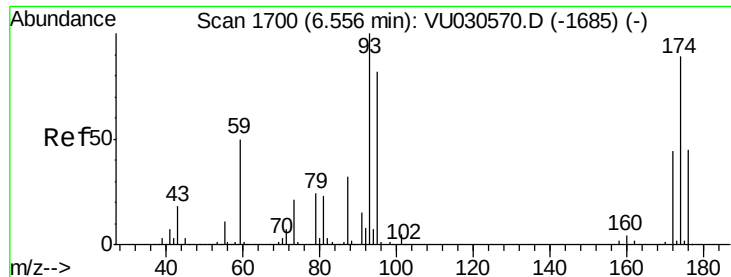
Tgt Ion: 56 Resp: 28120

Ion Ratio Lower Upper

56 100

41 62.3 28.5 85.6

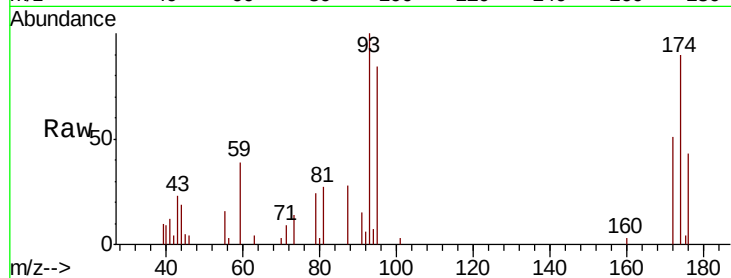




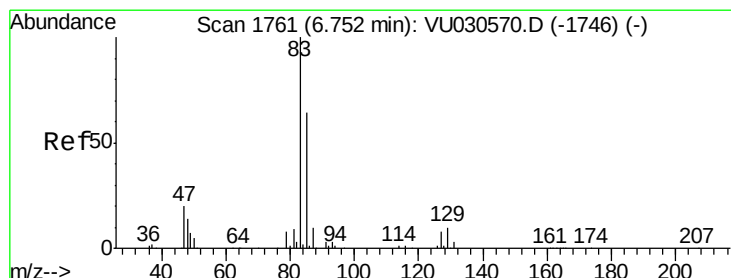
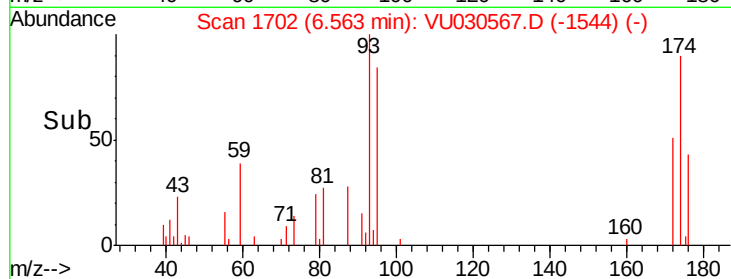
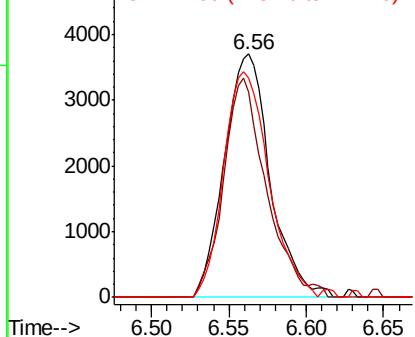
#43
Dibromomethane
Concen: 0.935 ug/l
RT: 6.56 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 93 Resp: 7606
Ion Ratio Lower Upper
93 100
95 84.4 63.9 95.9
174 91.6 71.0 106.4

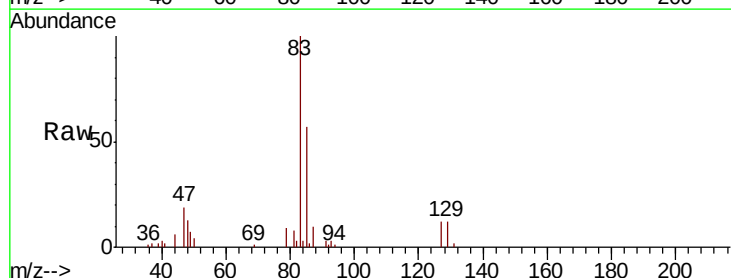


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

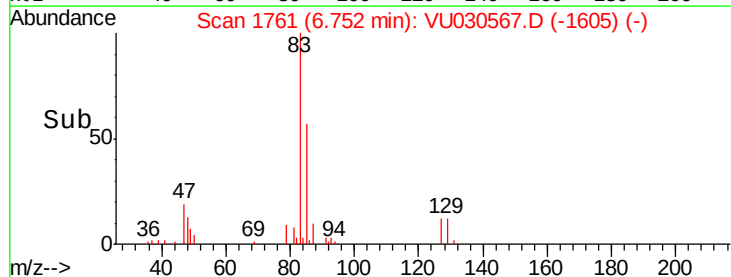
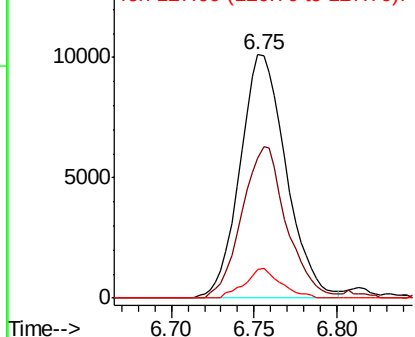


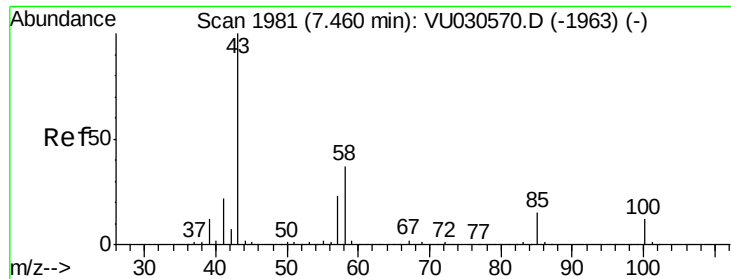
#44
Bromodichloromethane
Concen: 0.996 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion: 83 Resp: 19565
Ion Ratio Lower Upper
83 100
85 57.4 51.1 76.7
127 12.0 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: 5.353 ug/l

RT: 7.47 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

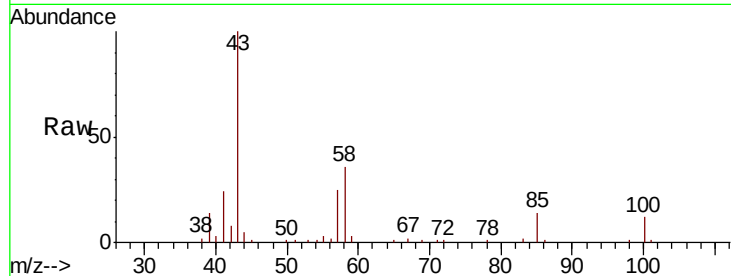
Tot Ion: 43 Resp: 45897

Ion Ratio Lower Upper

43 100

58 31.6 18.6 55.8

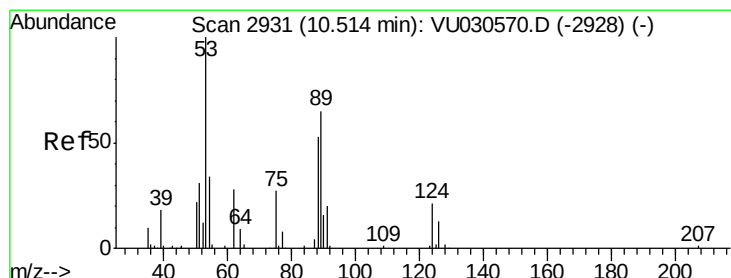
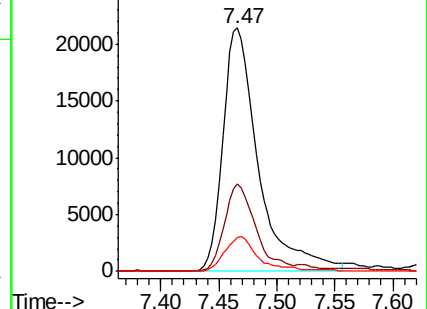
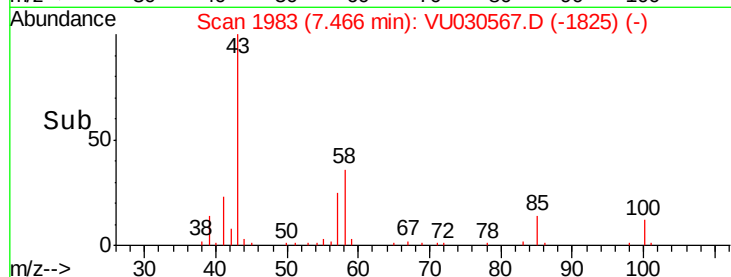
85 13.2 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VU030570.D (-1963) (-)

Ion 58.00 (57.70 to 58.70): VU030570.D (-1963) (-)

Ion 85.00 (84.70 to 85.70): VU030570.D (-1963) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 2.471 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. -0.02 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion: 75 Resp: 7764

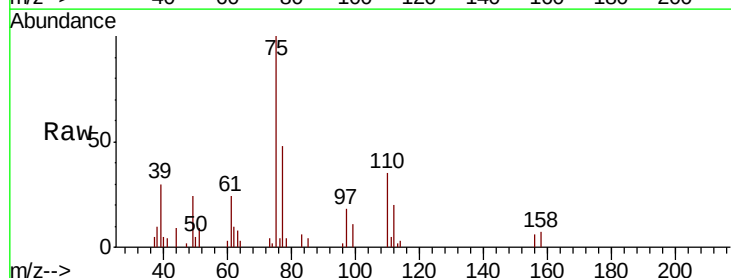
Ion Ratio Lower Upper

75 100

53 56.8 63.4 95.2#

89 34.5 39.1 58.7#

88 25.7 30.4 45.6#

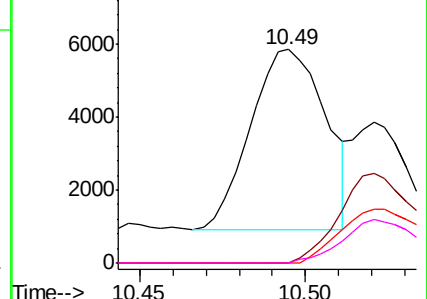
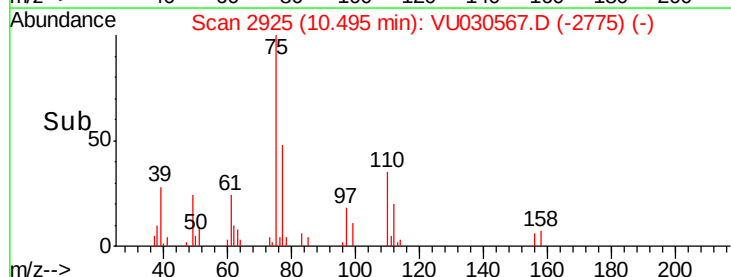


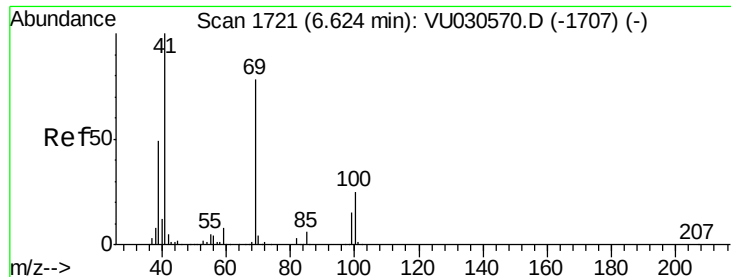
Abundance Ion 74.90 (74.60 to 75.60): VU030570.D (-2928) (-)

Ion 53.00 (52.70 to 53.70): VU030570.D (-2928) (-)

Ion 88.80 (88.50 to 89.50): VU030570.D (-2928) (-)

Ion 87.80 (87.50 to 88.50): VU030570.D (-2928) (-)

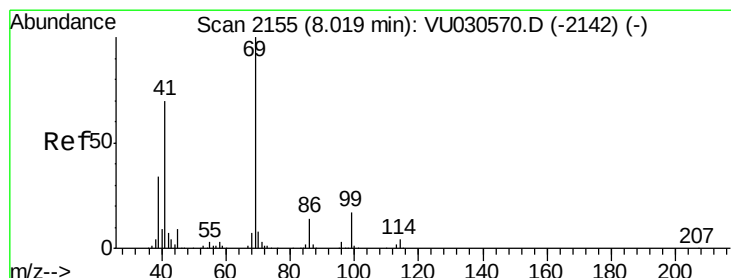
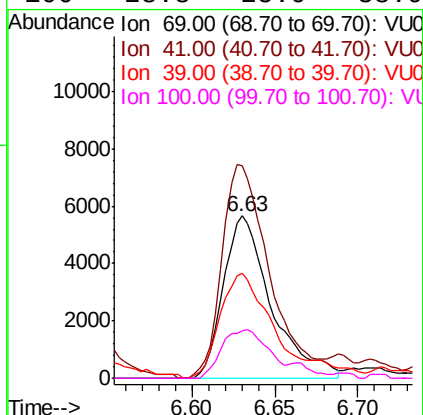
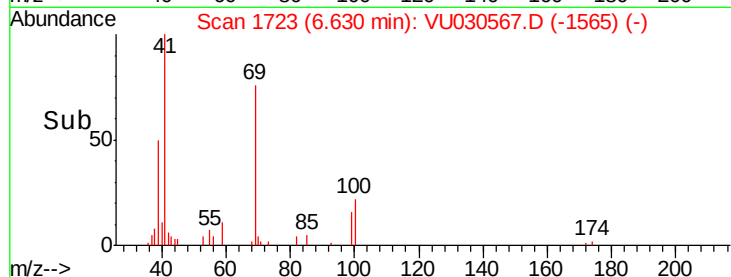
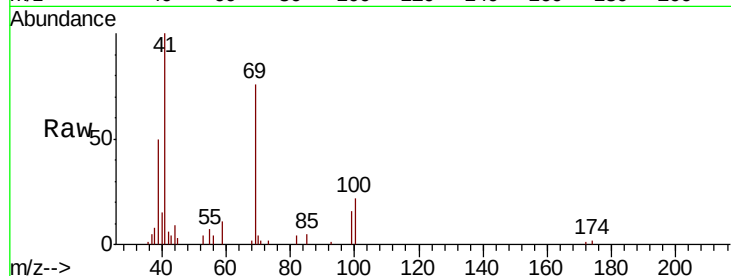




#47
Methvl methacrylate
Concen: 1.646 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

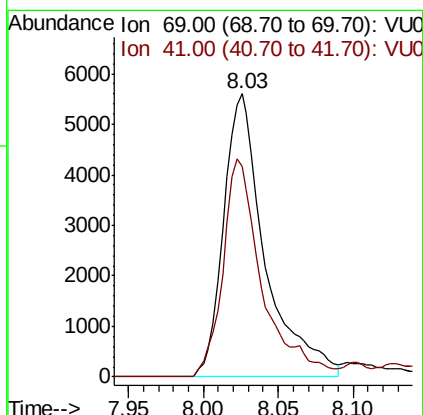
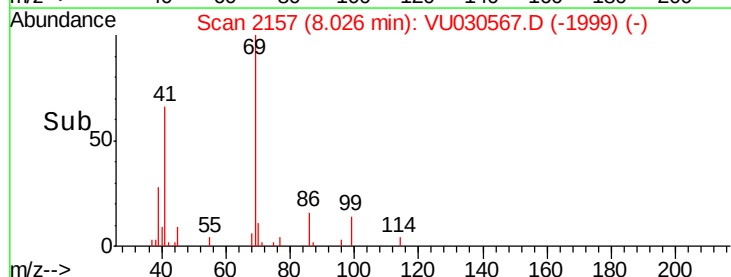
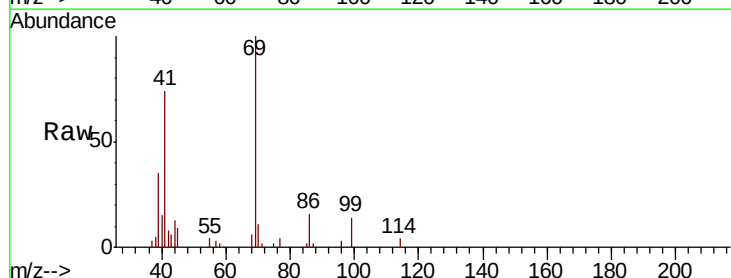
Instrument :
MSVOA_U
ClientSampleId :

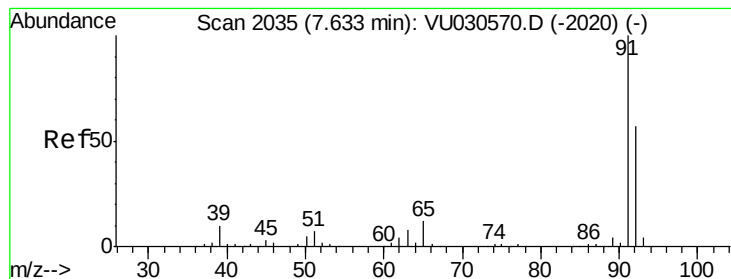
Tot Ion: 69 Resp: 11342
Ion Ratio Lower Upper
69 100
41 130.5 0.0 258.0
39 75.5 51.0 76.4
100 28.8 25.9 38.9



#48
Ethyl methacrylate
Concen: 0.839 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion: 69 Resp: 10853
Ion Ratio Lower Upper
69 100
41 72.2 36.1 108.5





#49

Toluene

Concen: 0.817 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

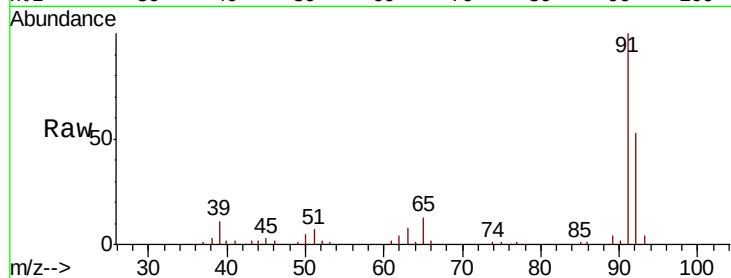
ClientSampled :

Tot Ion: 92 Resp: 30147

Ion Ratio Lower Upper

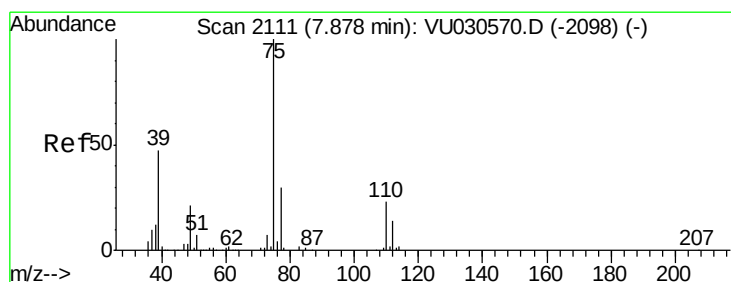
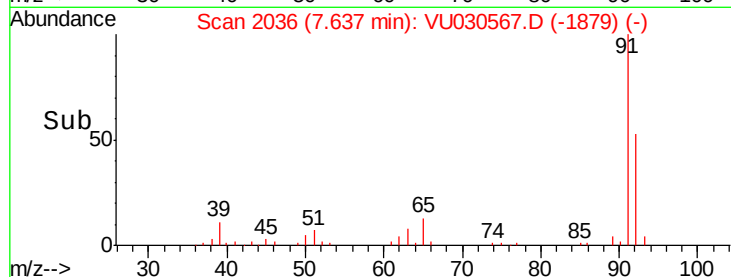
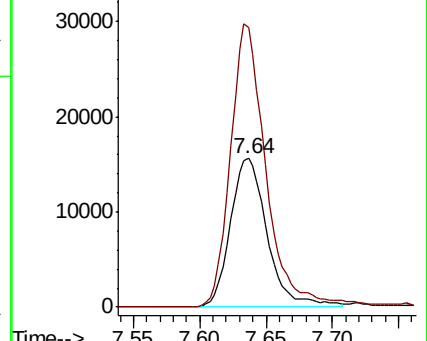
92 100

91 184.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU030567.D (-1879) (-)

Ion 91.00 (90.70 to 91.70): VU030567.D (-1879) (-)



#50

t-1,3-Dichloropropene

Concen: 0.839 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU030567.D

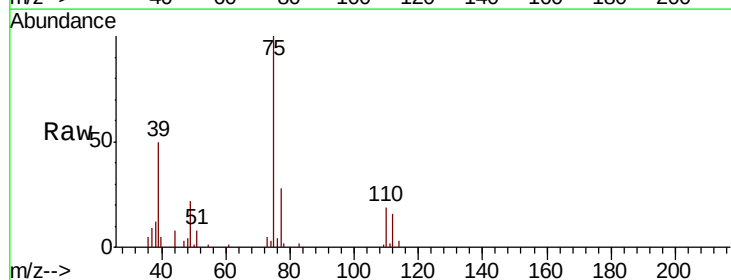
Acq: 30 Mar 2019 10:21

Tgt Ion: 75 Resp: 14692

Ion Ratio Lower Upper

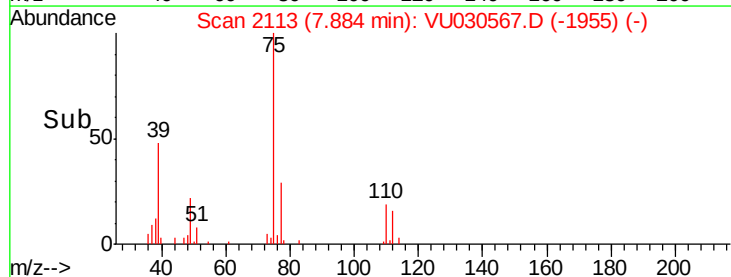
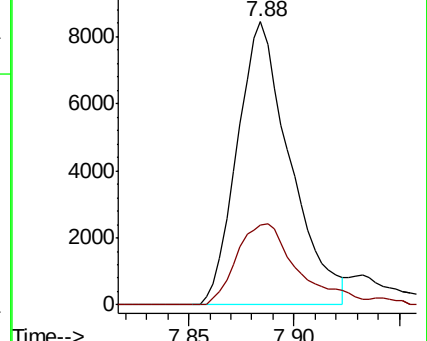
75 100

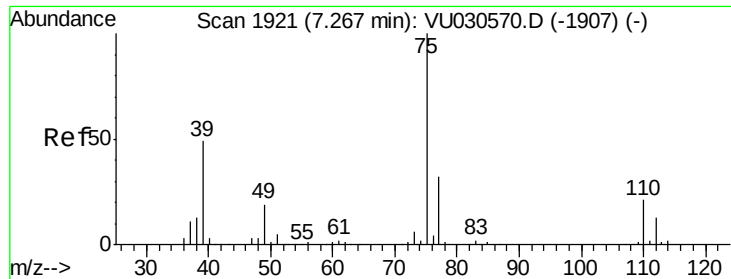
77 28.2 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030567.D (-1955) (-)

Ion 77.00 (76.70 to 77.70): VU030567.D (-1955) (-)

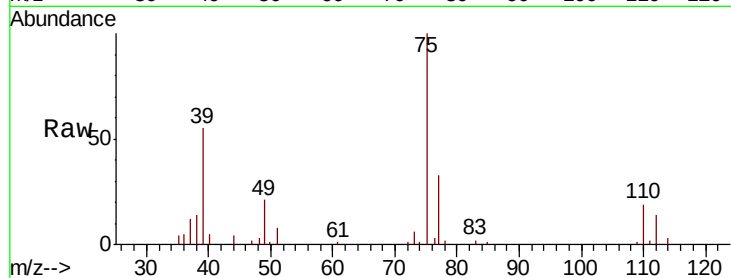




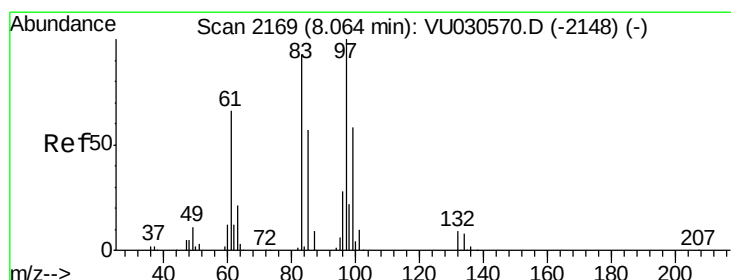
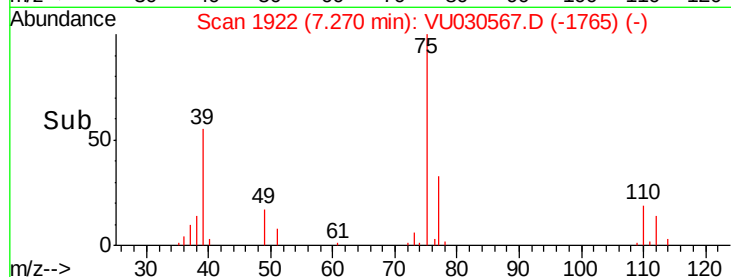
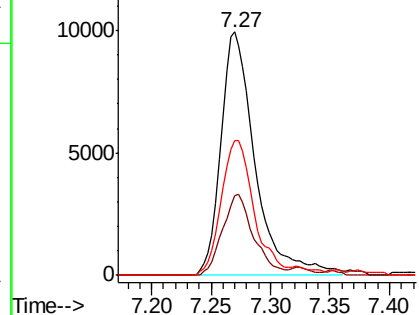
#51
 cis-1,3-Dichloropropene
 Concen: 0.910 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	75	Resp	19857
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.8	38.6
39	55.4	39.3	58.9

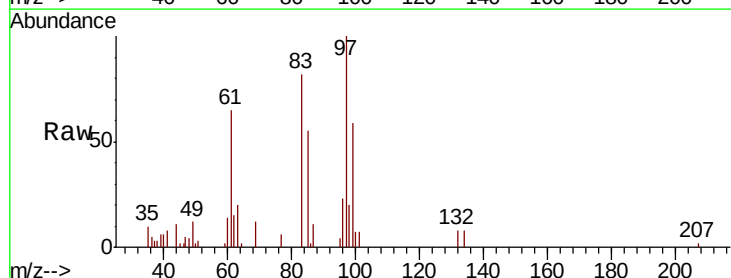


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

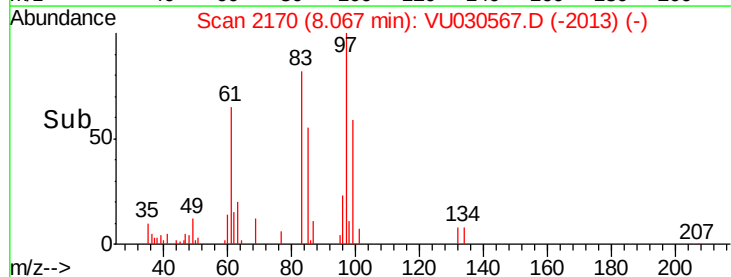
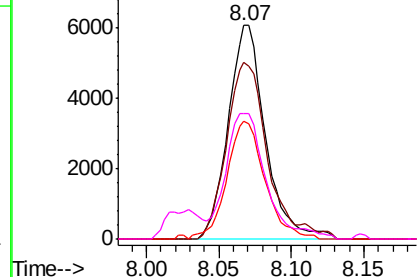


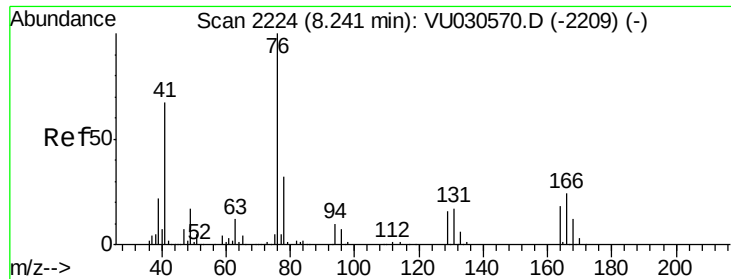
#52
 1,1,2-Trichloroethane
 Concen: 0.949 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion	97	Resp	10794
Ion	Ratio	Lower	Upper
97	100		
83	82.4	74.3	111.5
85	55.3	45.4	68.0
99	58.8	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: 0.926 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

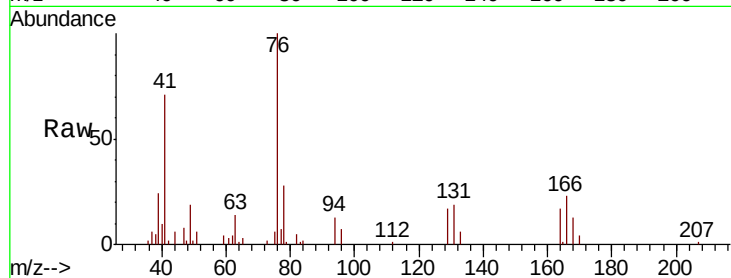
ClientSampled :

Tot Ion: 76 Resp: 17920

Ion Ratio Lower Upper

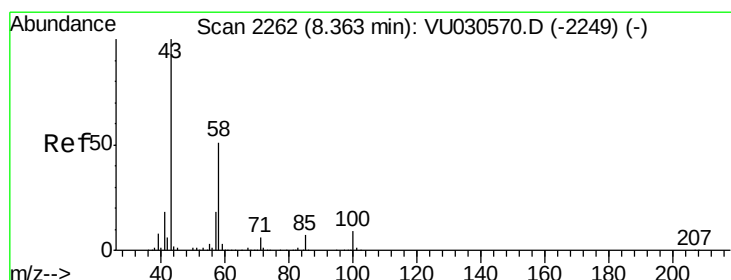
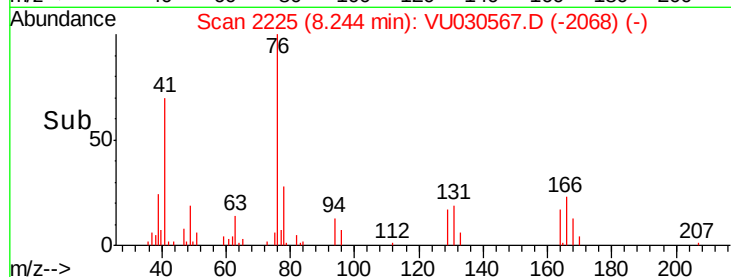
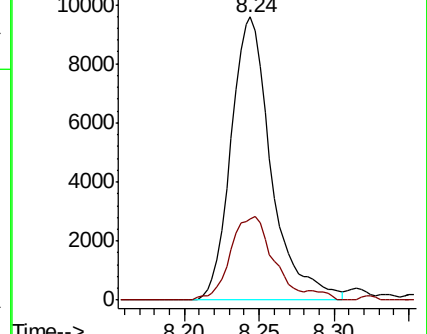
76 100

78 31.0 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 5.626 ug/l

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

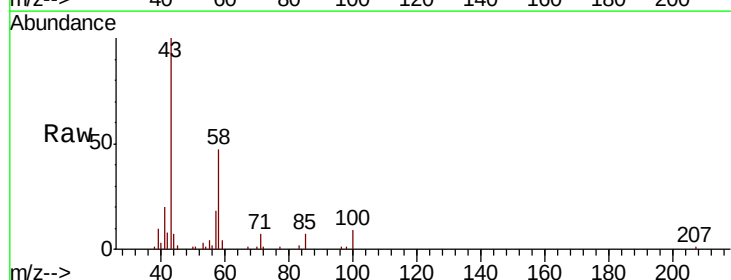
Tgt Ion: 43 Resp: 34399

Ion Ratio Lower Upper

43 100

58 43.0 32.5 72.5

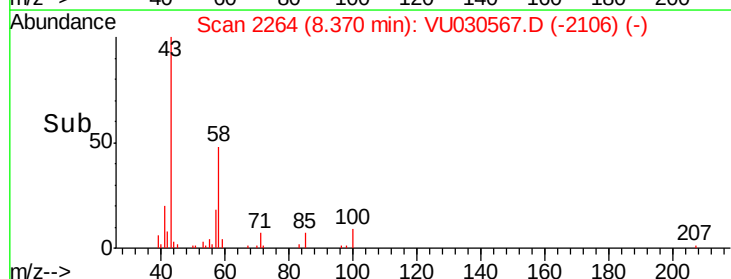
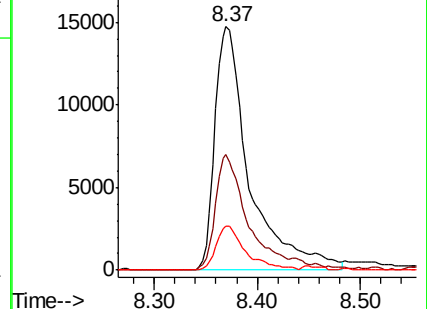
57 15.3 0.0 37.6

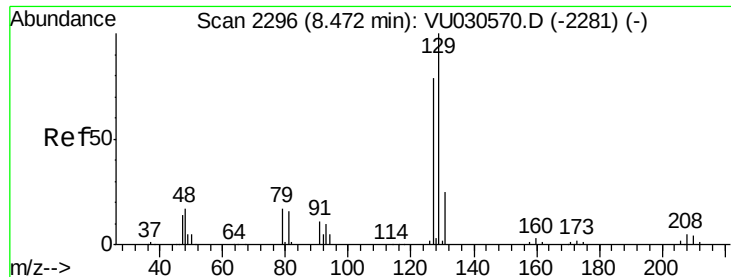


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

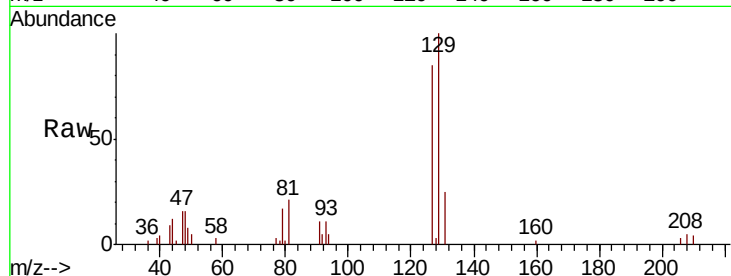




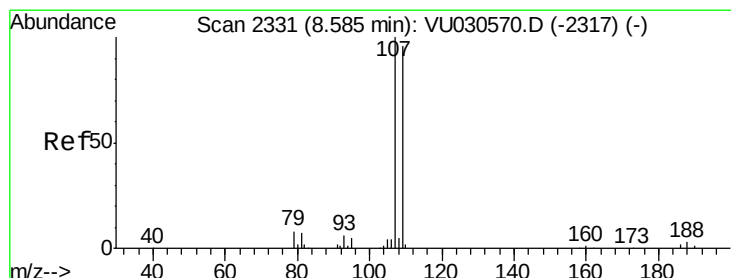
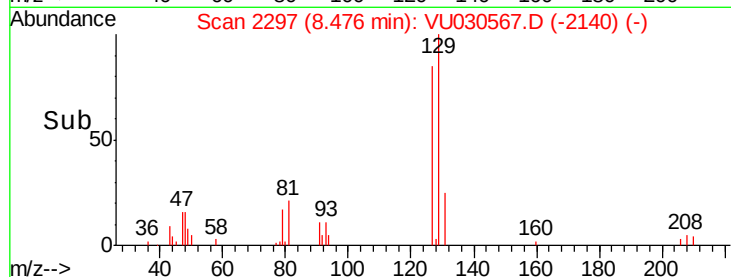
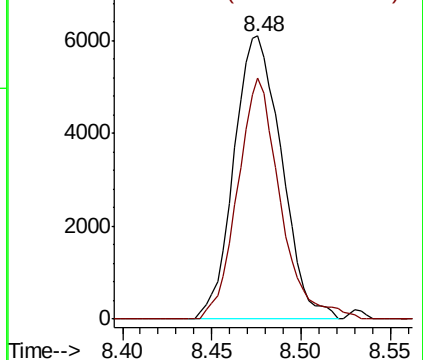
#55
 Dibromochloromethane
 Concen: 0.837 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 11336
 Ion Ratio Lower Upper
 129 100
 127 76.2 62.2 93.4

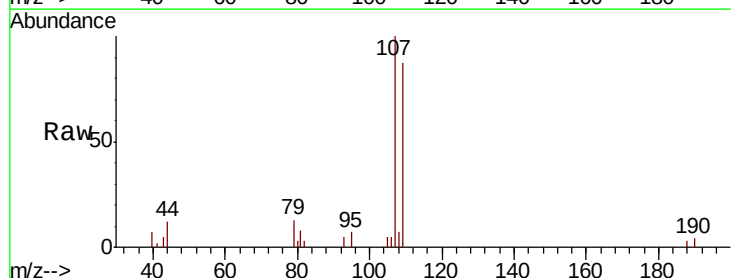


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

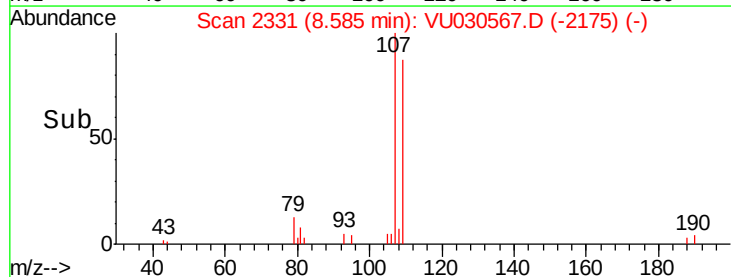
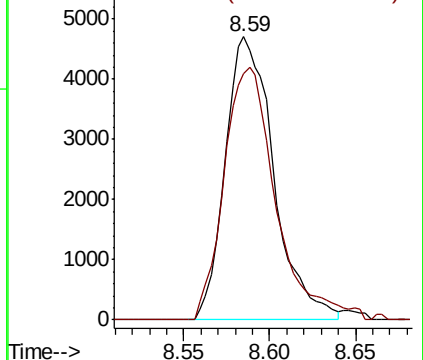


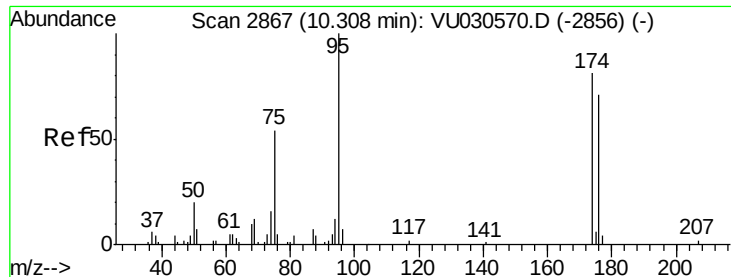
#56
 1,2-Dibromoethane
 Concen: 0.851 ug/l
 RT: 8.59 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion:107 Resp: 9228
 Ion Ratio Lower Upper
 107 100
 109 95.4 0.0 190.0



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

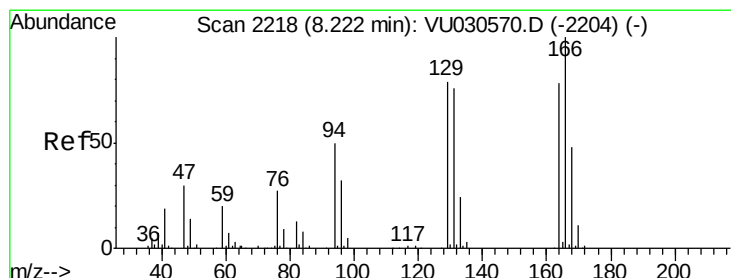
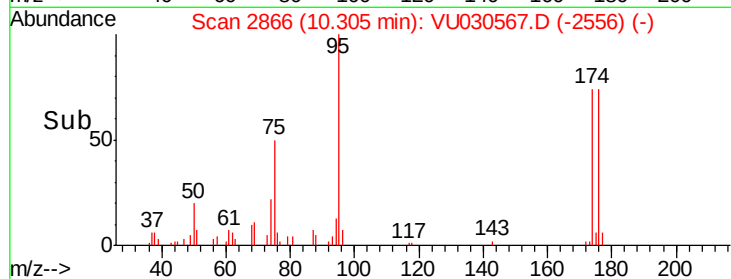
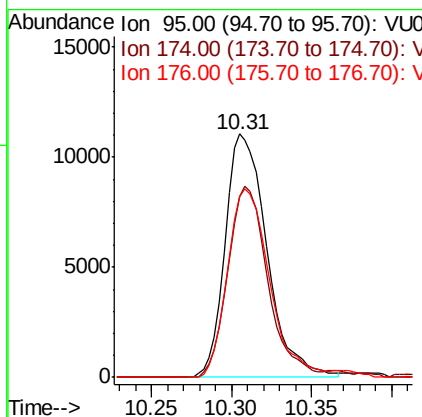
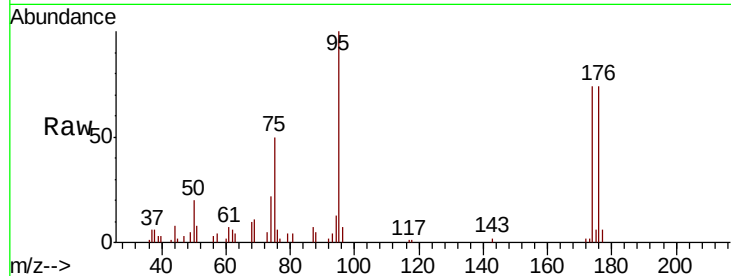




#57
4-Bromofluorobenzene
Concen: 0.851 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

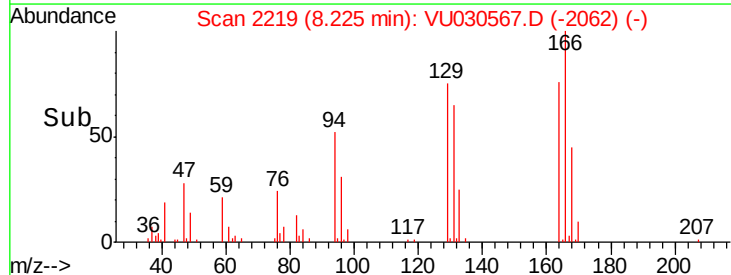
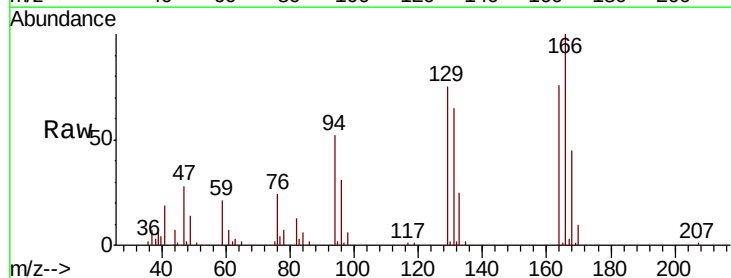
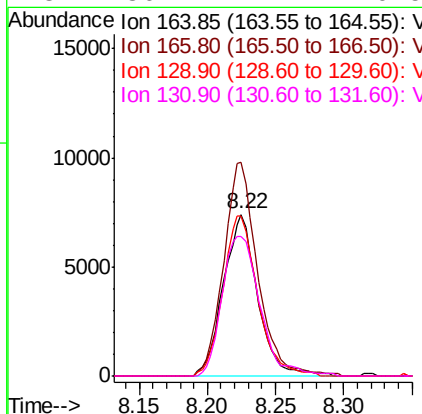
Instrument :
MSVOA_U
ClientSampled :

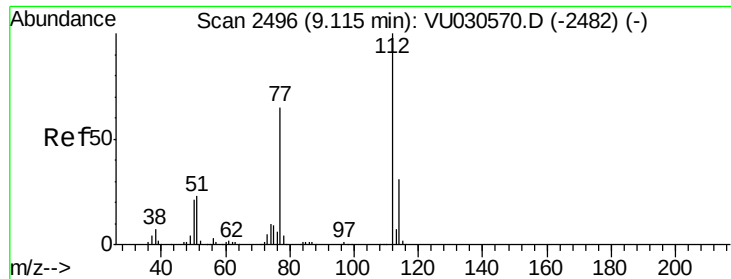
Tot Ion	95	Resp	19699
Ion Ratio	Lower	Upper	
95	100		
174	74.9	60.5	90.7
176	77.9	57.9	86.9



#58
Tetrachloroethene
Concen: 0.823 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	164	Resp	12916
Ion Ratio	Lower	Upper	
164	100		
166	132.1	102.4	153.6
129	98.8	81.4	122.0
131	86.2	77.7	116.5

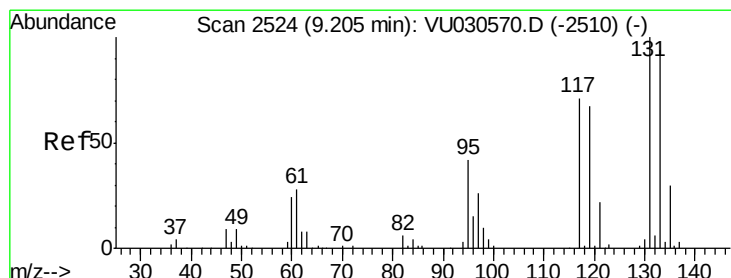
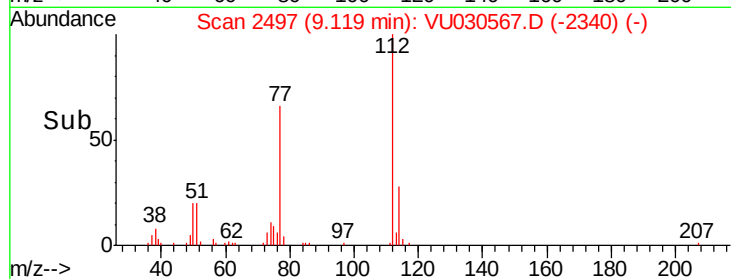
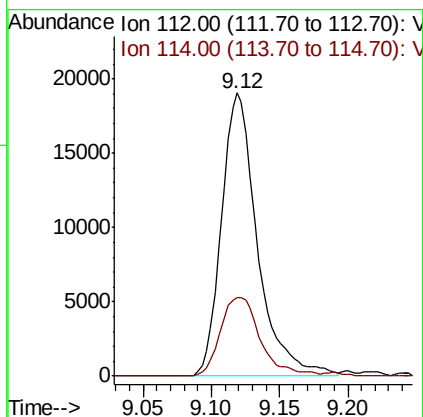
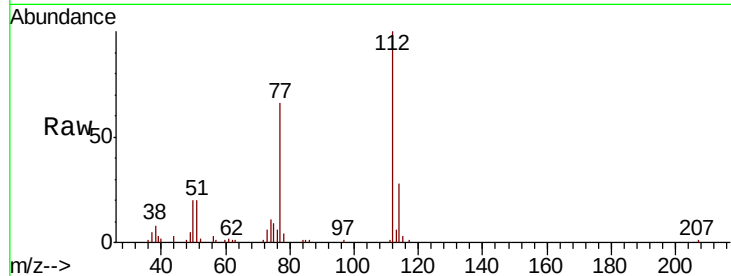




#59
Chlorobenzene
Concen: 0.835 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

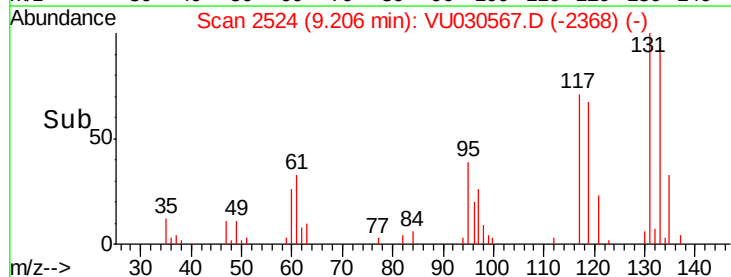
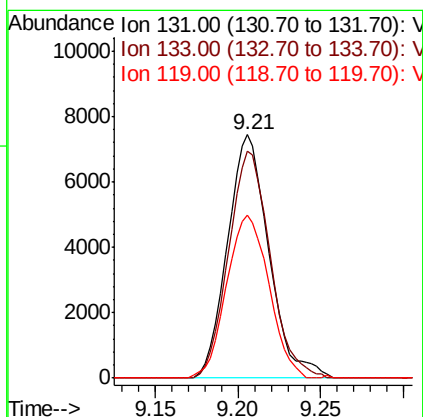
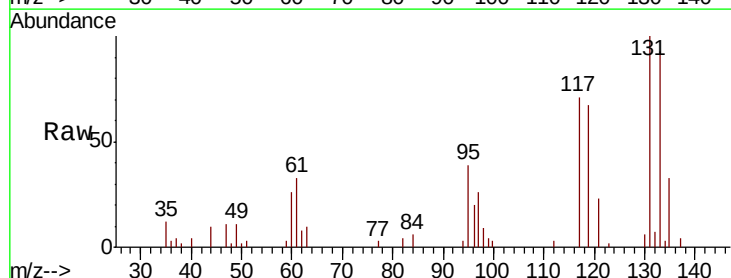
Instrument :
MSVOA_U
ClientSampleId :

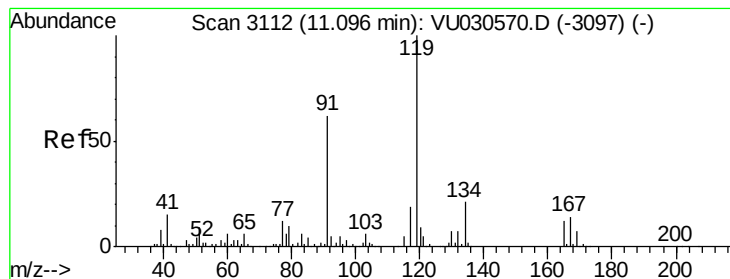
Tot Ion:112 Resp: 34879
Ion Ratio Lower Upper
112 100
114 27.6 24.9 37.3



#60
1,1,1,2-Tetrachloroethane
Concen: 0.882 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion:131 Resp: 12927
Ion Ratio Lower Upper
131 100
133 93.5 77.5 116.3
119 68.1 53.2 79.8





#61

Pentachloroethane

Concen: 0.864 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

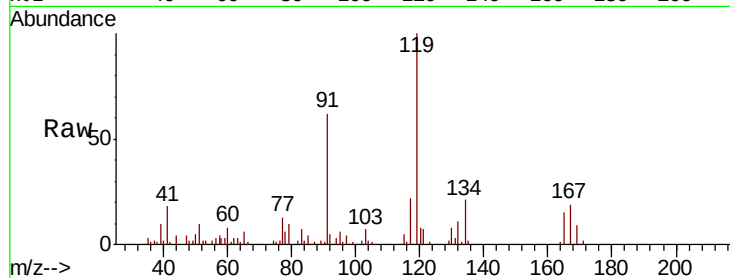
ClientSampleId :

Tot Ion:117 Resp: 9866

Ion Ratio Lower Upper

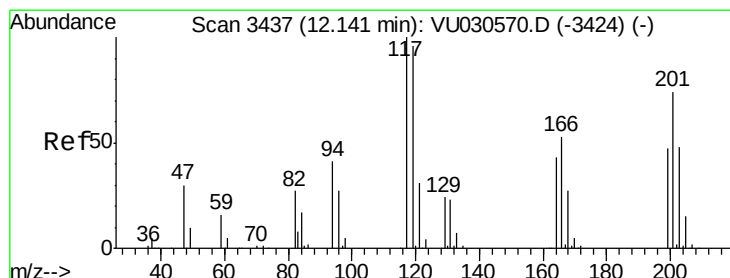
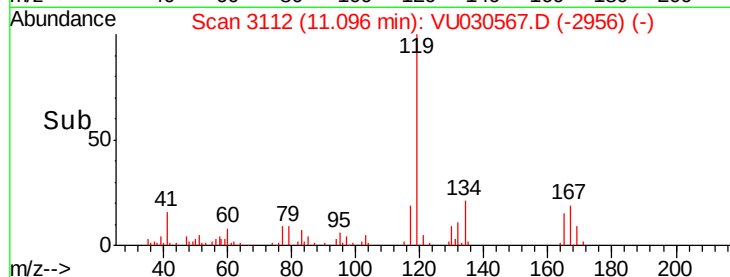
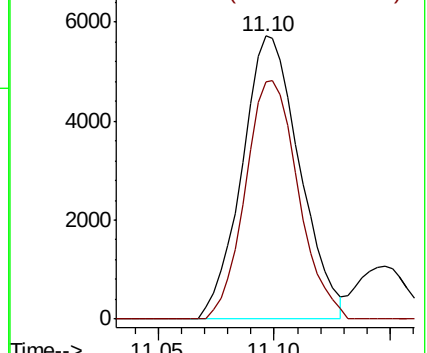
117 100

167 77.0 62.6 93.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.722 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030567.D

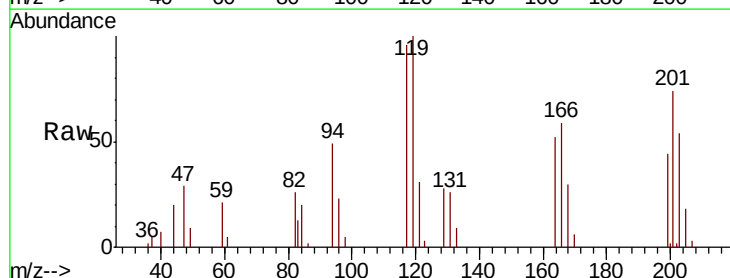
Acq: 30 Mar 2019 10:21

Tgt Ion:117 Resp: 8067

Ion Ratio Lower Upper

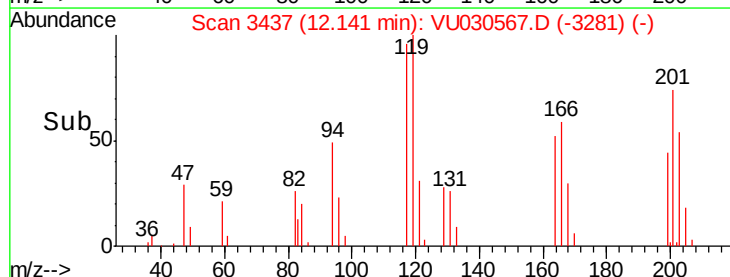
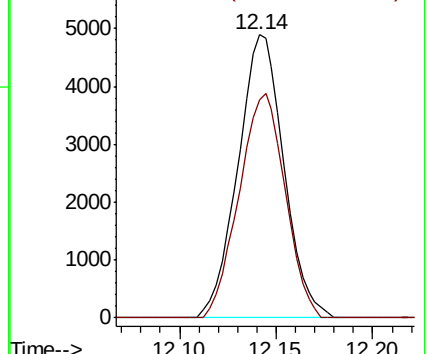
117 100

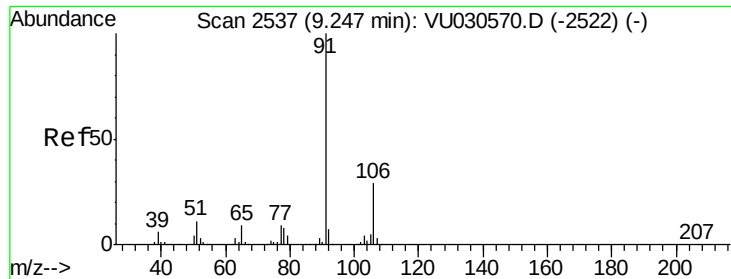
201 79.6 59.1 88.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.790 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

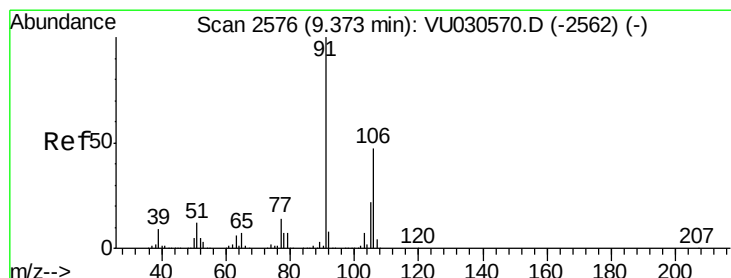
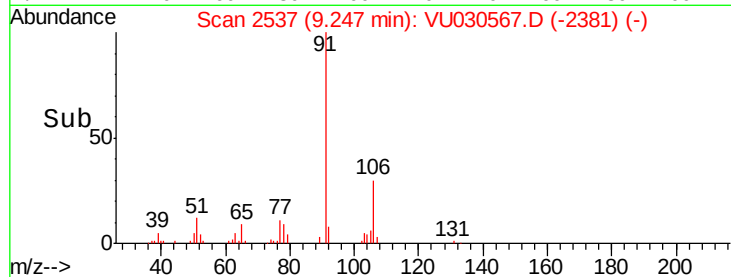
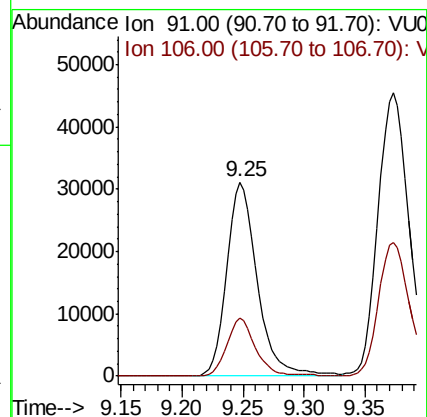
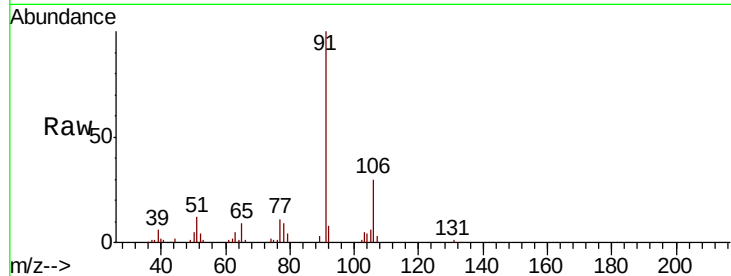
ClientSampleId :

Tot Ion: 91 Resp: 55027

Ion Ratio Lower Upper

91 100

106 30.2 23.1 34.7



#64

m/p-Xylenes

Concen: 1.444 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030567.D

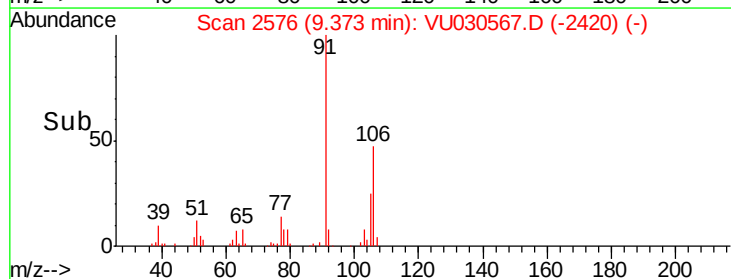
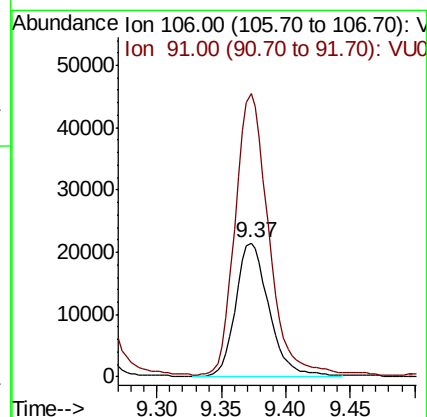
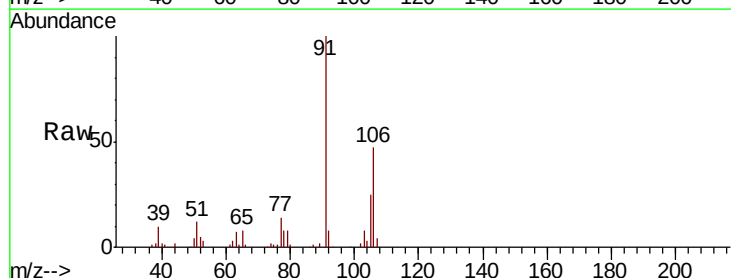
Acq: 30 Mar 2019 10:21

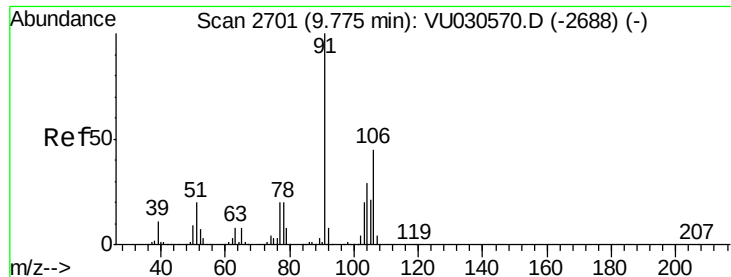
Tgt Ion: 106 Resp: 38855

Ion Ratio Lower Upper

106 100

91 209.0 179.4 269.0





#65

o-Xylene

Concen: 0.686 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

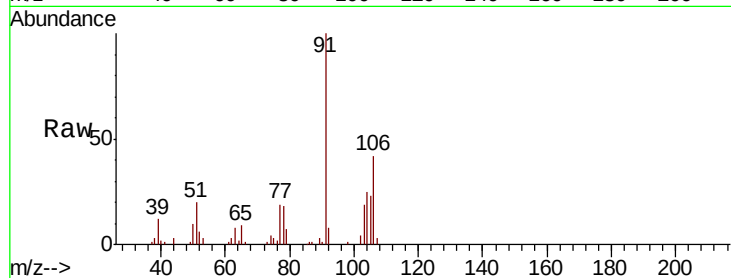
ClientSampled :

Tot Ion:106 Resp: 18083

Ion Ratio Lower Upper

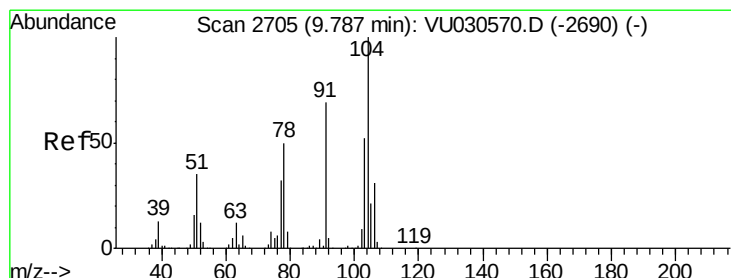
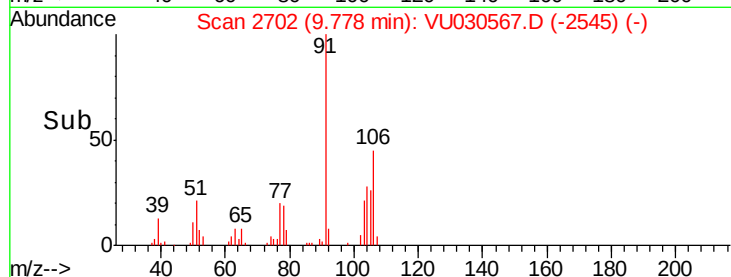
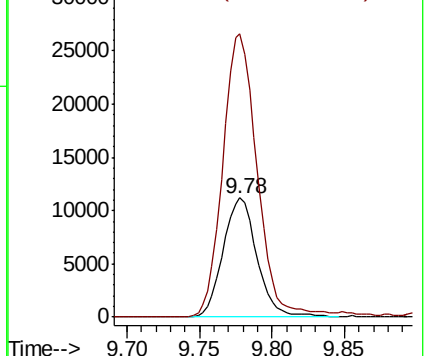
106 100

91 241.8 115.5 346.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.700 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

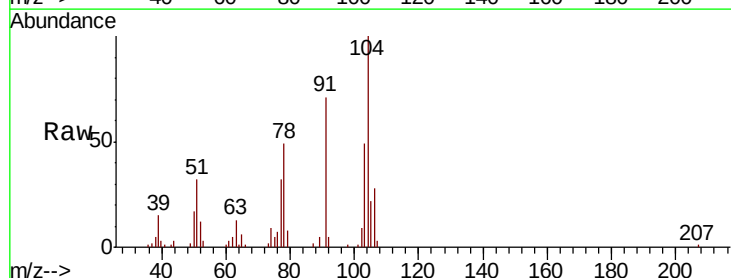
Tgt Ion:104 Resp: 30482

Ion Ratio Lower Upper

104 100

78 54.8 42.3 63.5

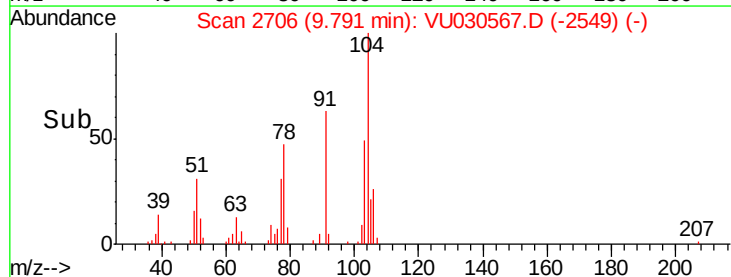
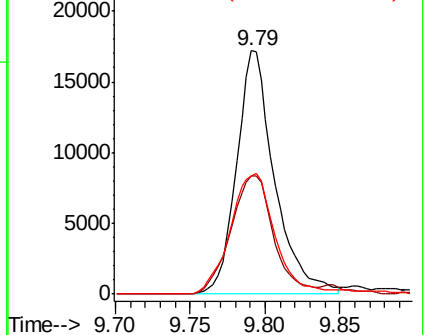
103 57.8 44.7 67.1

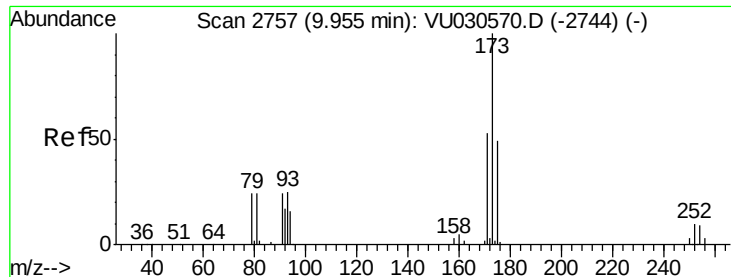


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.820 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :

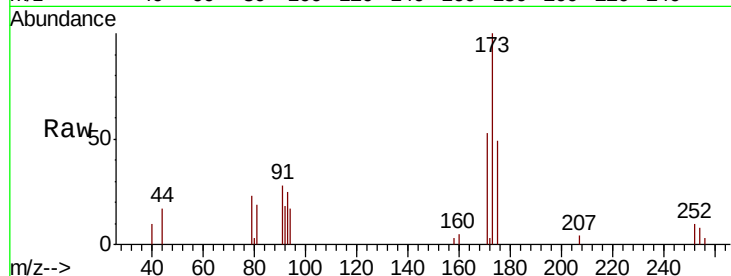
Tot Ion:173 Resp: 6296

Ion Ratio Lower Upper

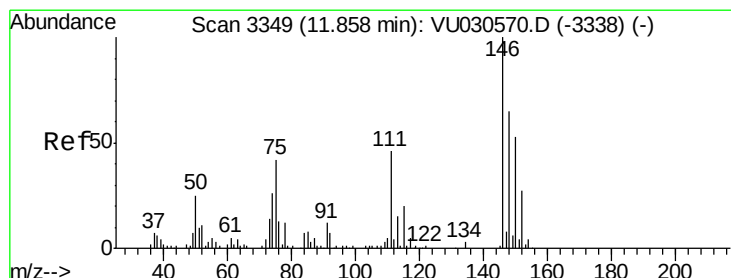
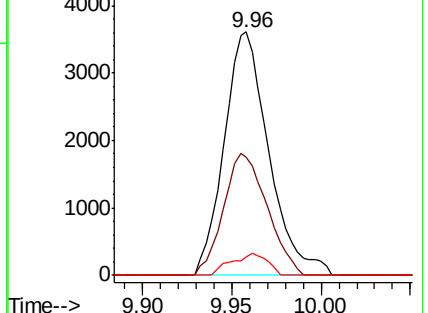
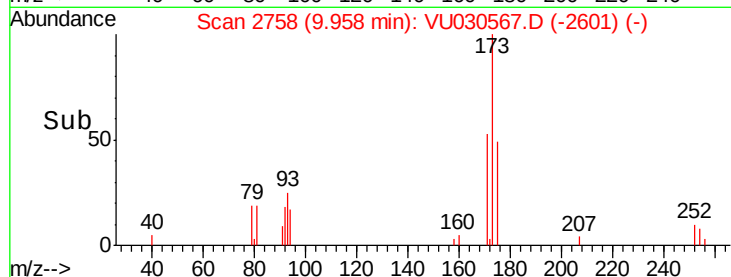
173 100

175 48.8 38.6 57.8

254 7.3 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: 0.820 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

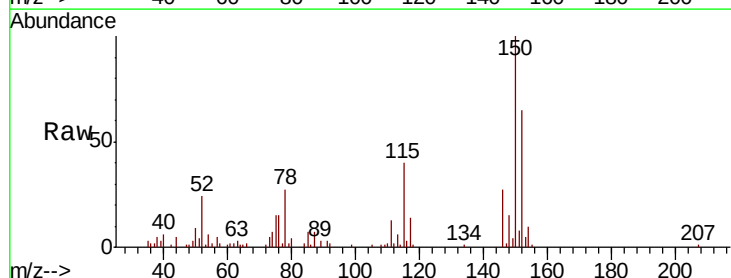
Tgt Ion:152 Resp: 18472

Ion Ratio Lower Upper

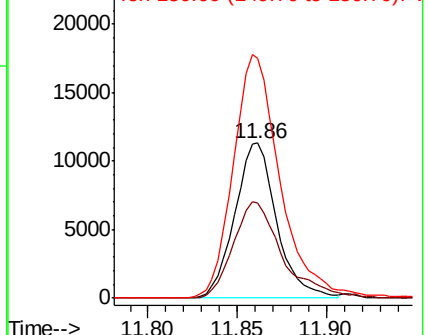
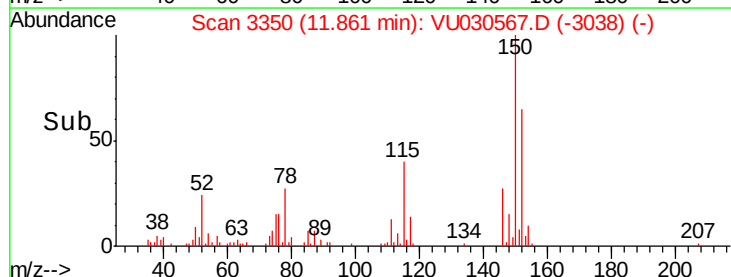
152 100

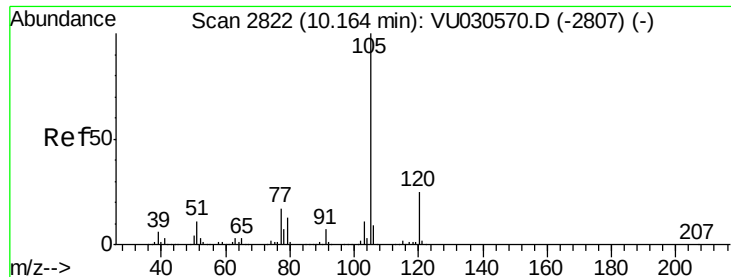
115 72.5 0.0 136.2

150 176.9 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: 0.735 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

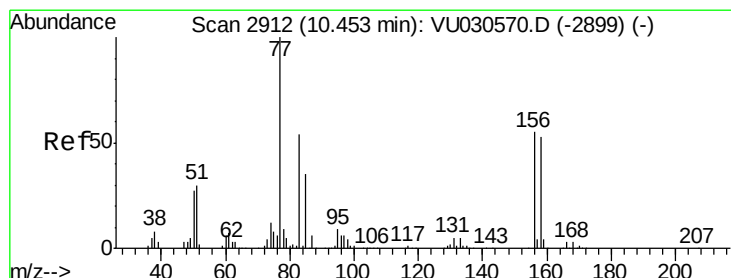
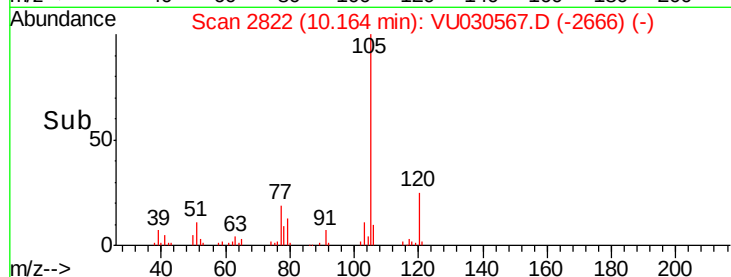
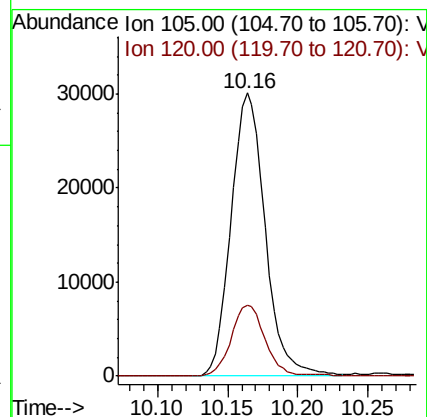
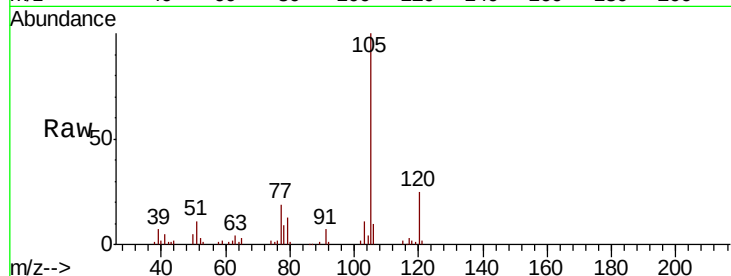
ClientSampleId :

Tot Ion:105 Resp: 50993

Ion Ratio Lower Upper

105 100

120 24.7 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.920 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

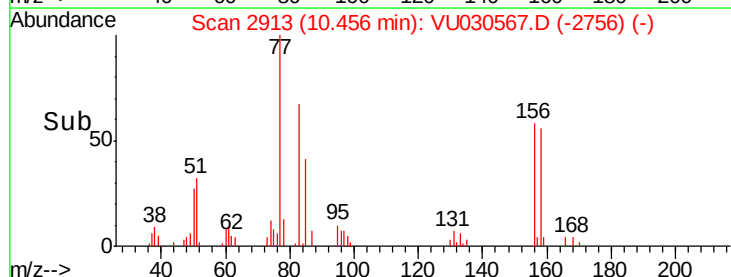
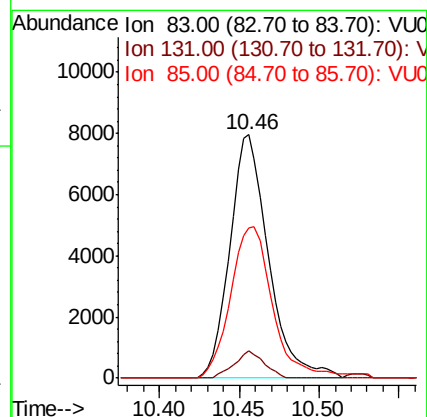
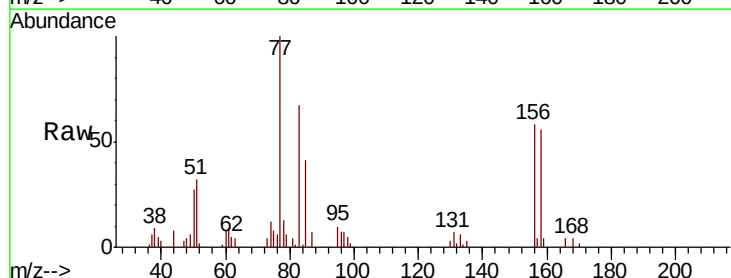
Tgt Ion: 83 Resp: 13113

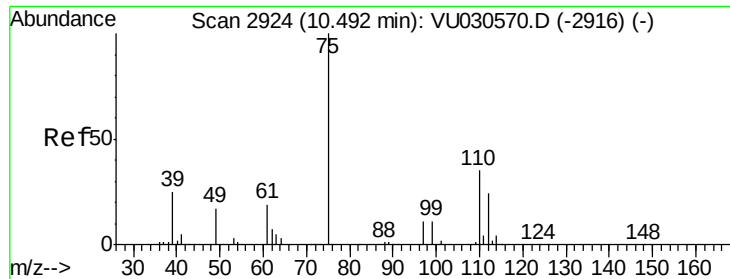
Ion Ratio Lower Upper

83 100

131 8.5 7.0 10.6

85 67.3 51.0 76.4





#71

1,2,3-Trichloropropane

Concen: 0.751 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7764

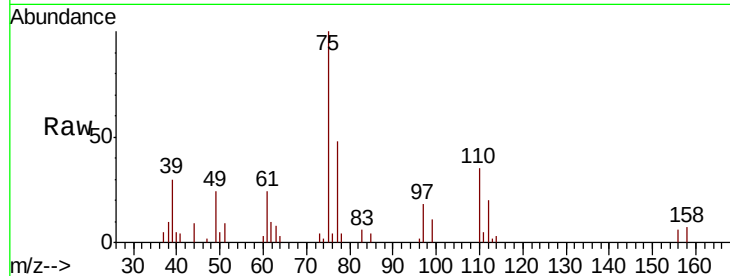
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 48.0 0.0 83.8

97 22.9 0.0 42.8

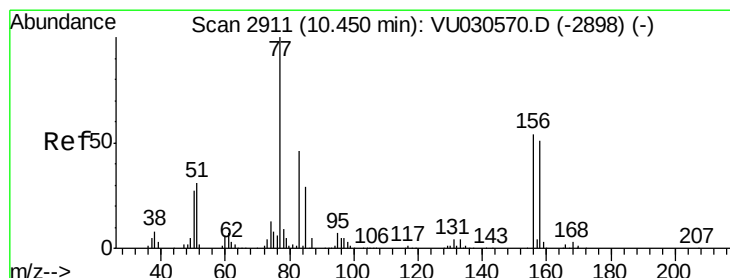
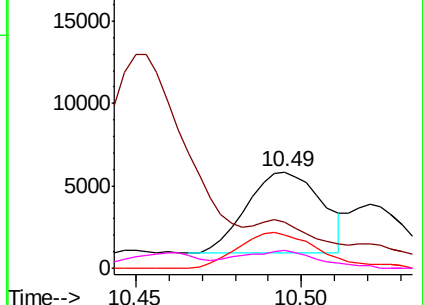
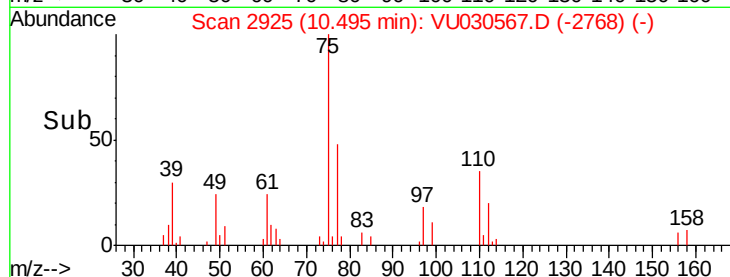


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 0.738 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

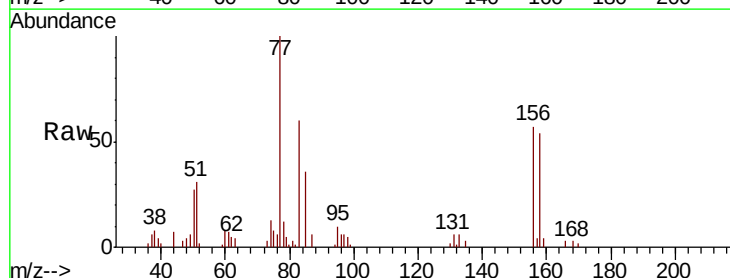
Tgt Ion: 156 Resp: 13153

Ion Ratio Lower Upper

156 100

77 178.2 0.0 363.0

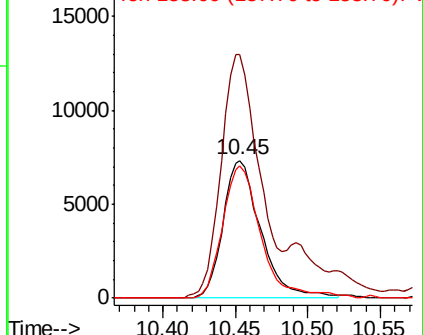
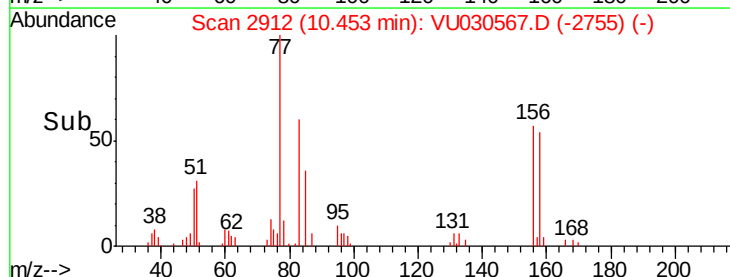
158 95.5 0.0 193.2

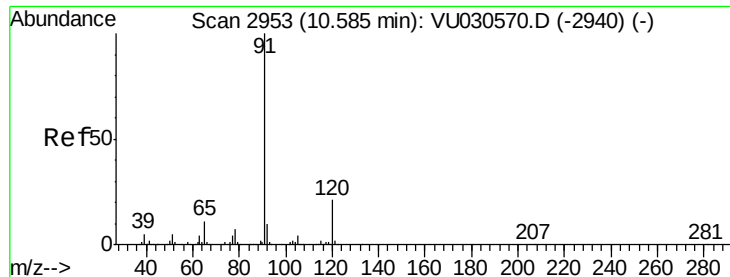


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 0.676 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

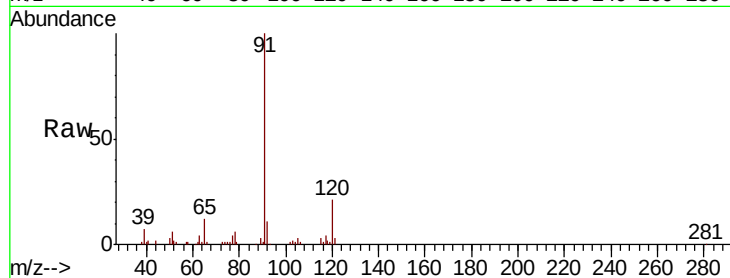
ClientSampleId :

Tot Ion:120 Resp: 13155

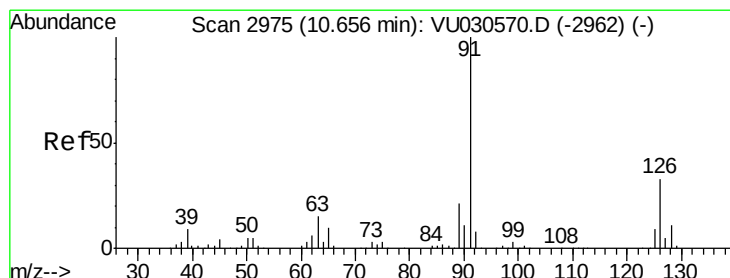
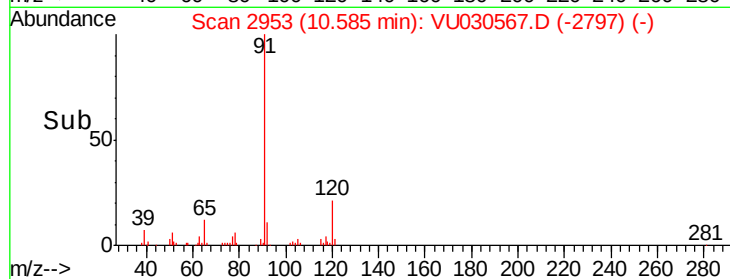
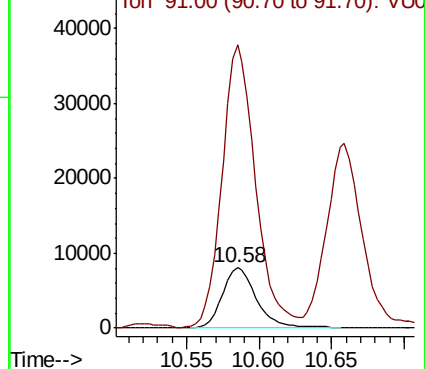
Ion Ratio Lower Upper

120 100

91 457.0 371.6 557.4



Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 0.739 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030567.D

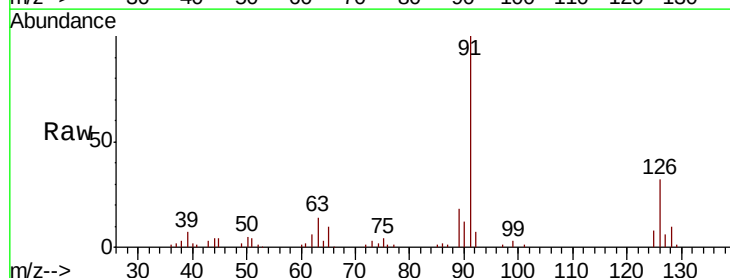
Acq: 30 Mar 2019 10:21

Tgt Ion:126 Resp: 12643

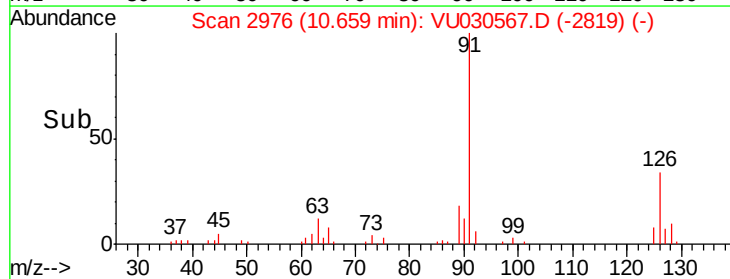
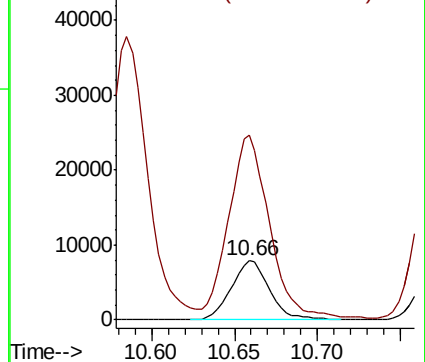
Ion Ratio Lower Upper

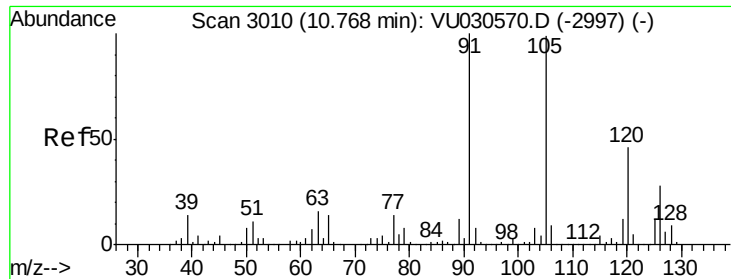
126 100

91 325.5 0.0 656.8



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 0.687 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

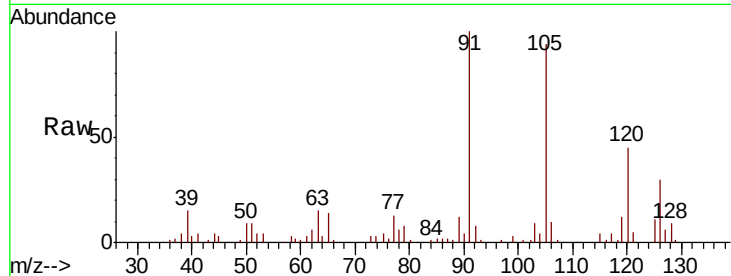
ClientSampled :

Tot Ion:105 Resp: 40470

Ion Ratio Lower Upper

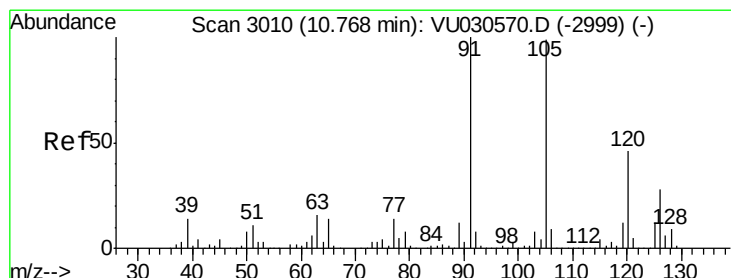
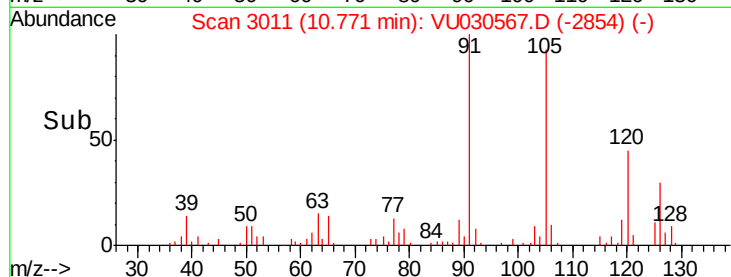
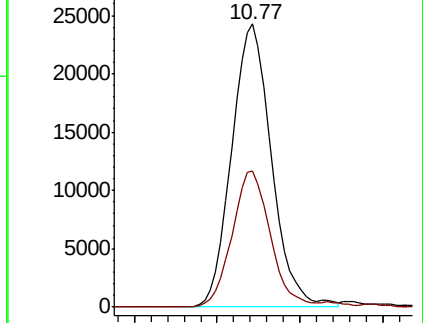
105 100

120 46.2 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: 0.745 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030567.D

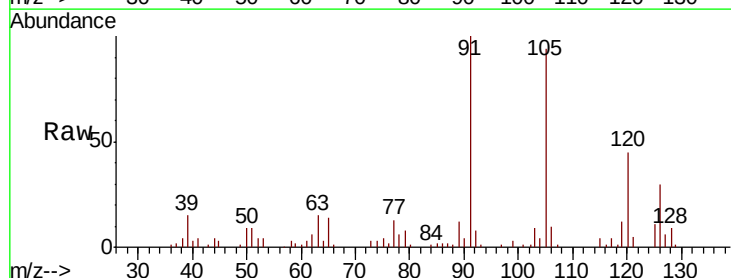
Acq: 30 Mar 2019 10:21

Tgt Ion:126 Resp: 12960

Ion Ratio Lower Upper

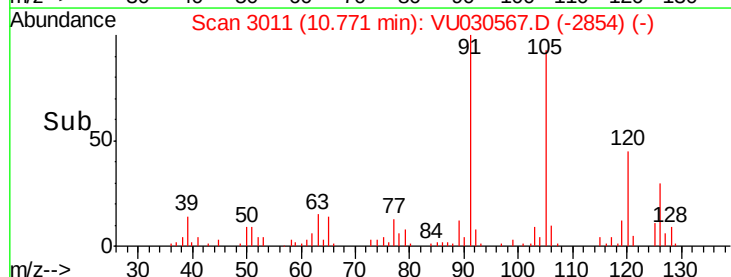
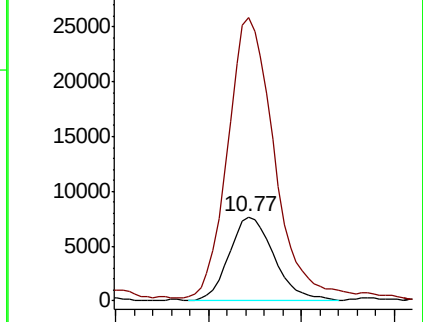
126 100

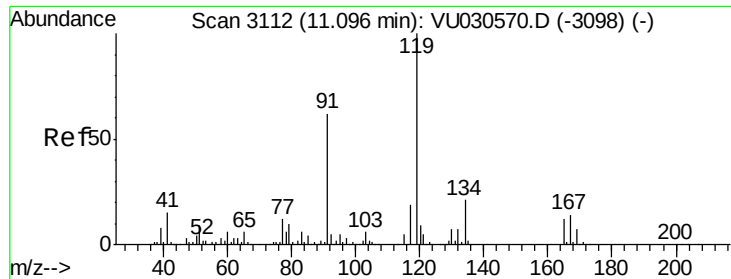
91 341.4 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.717 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

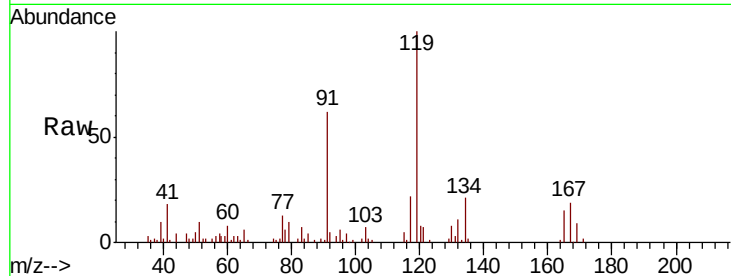
Tot Ion:119 Resp: 41132

Ion Ratio Lower Upper

119 100

91 64.0 30.9 92.8

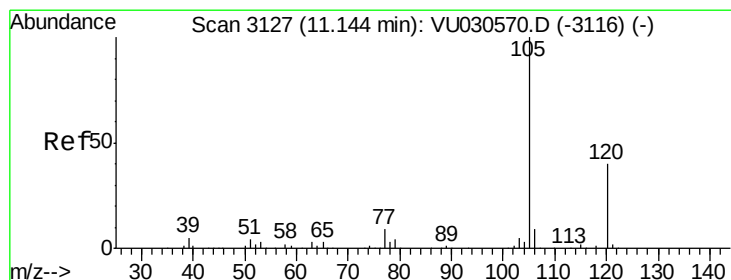
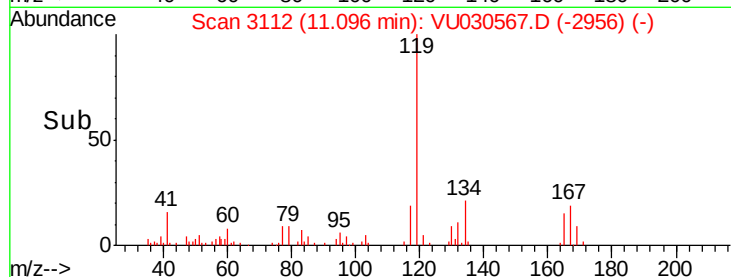
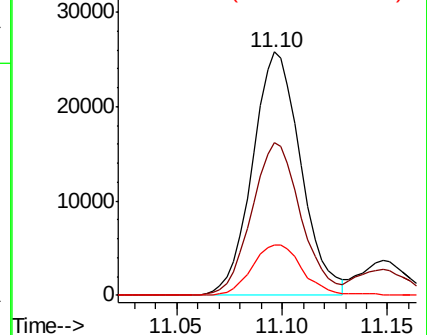
134 21.6 17.6 26.4



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: 0.672 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

Lab File: VU030567.D

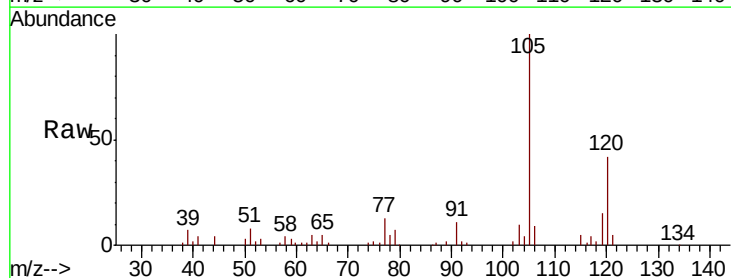
Acq: 30 Mar 2019 10:21

Tgt Ion:105 Resp: 40117

Ion Ratio Lower Upper

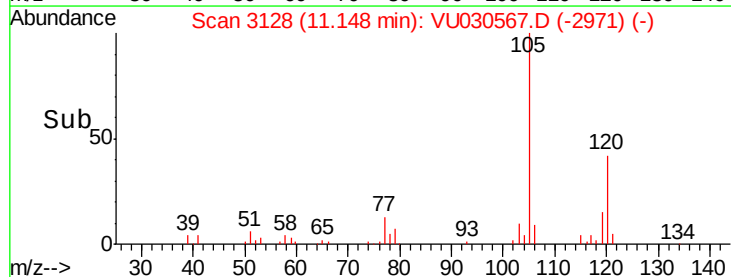
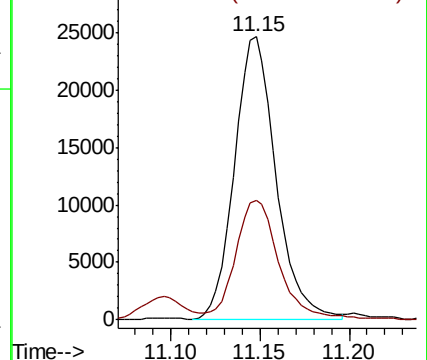
105 100

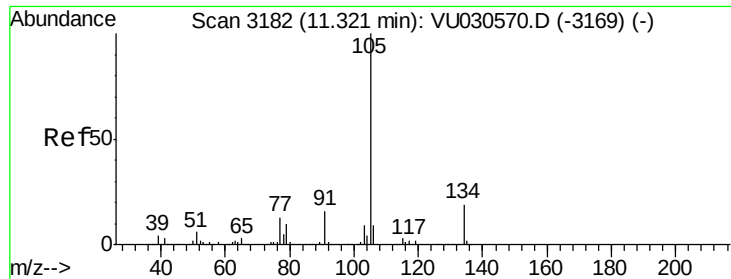
120 44.4 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.699 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

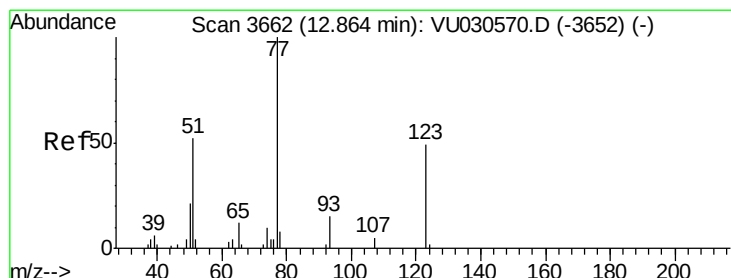
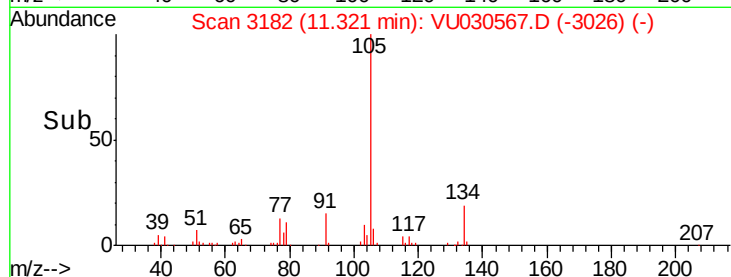
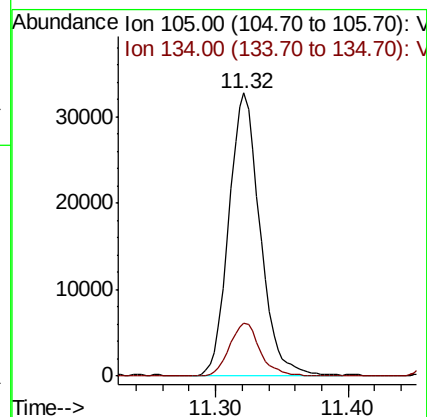
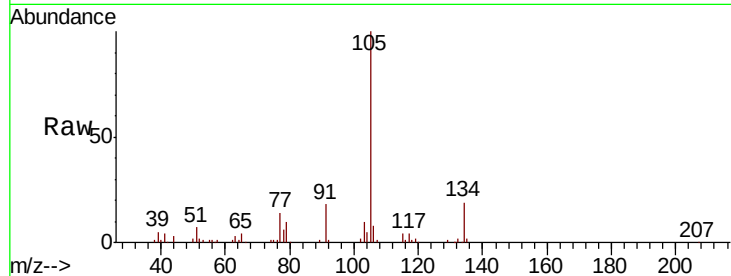
ClientSampleId :

Tot Ion:105 Resp: 53779

Ion Ratio Lower Upper

105 100

134 18.3 14.7 22.1



#80

Nitrobenzene

Concen: 1.166 ug/l

RT: 12.90 min Scan# 3673

Delta R.T. 0.04 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

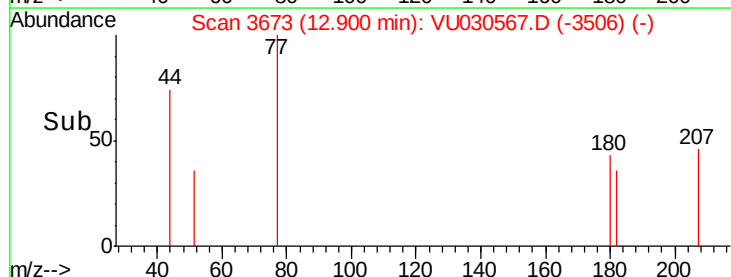
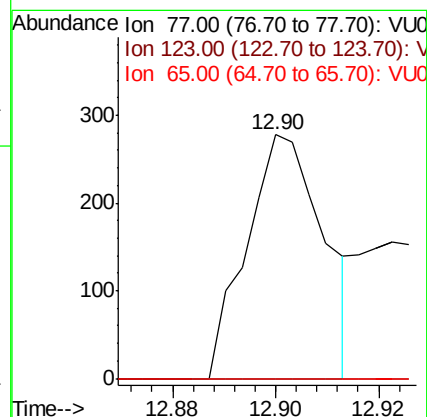
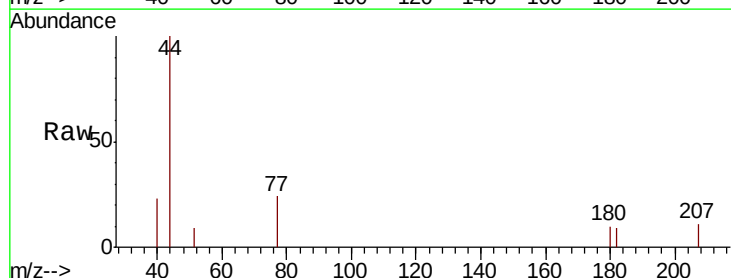
Tgt Ion: 77 Resp: 286

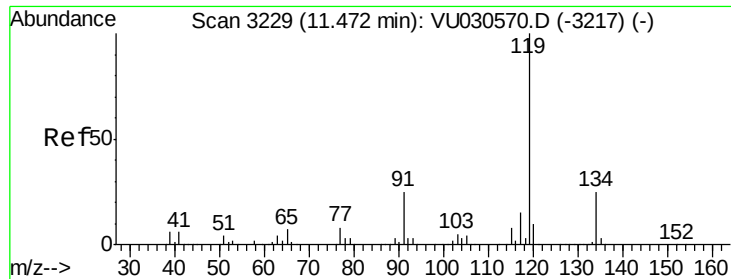
Ion Ratio Lower Upper

77 100

123 0.0 17.5 62.1#

65 0.0 8.1 10.3#

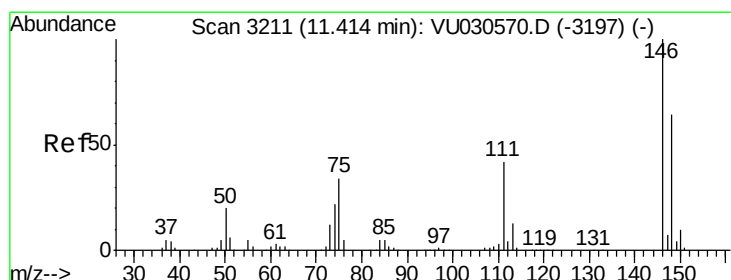
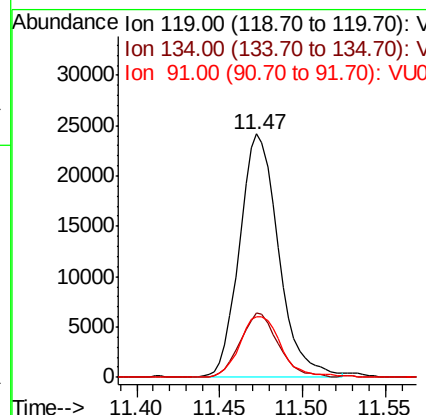
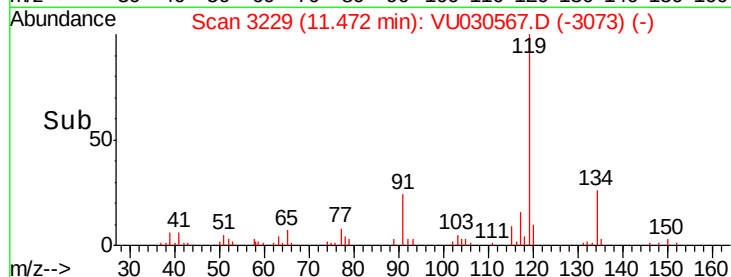
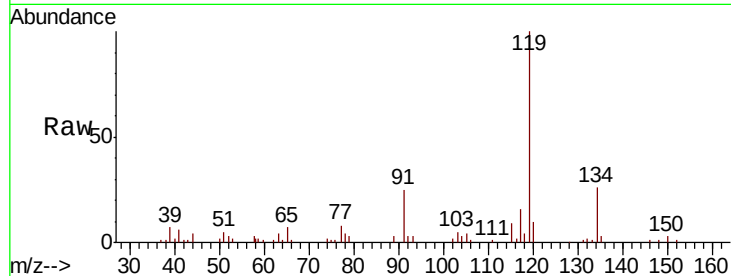




#81
 p-Isopropyltoluene
 Concen: 0.624 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

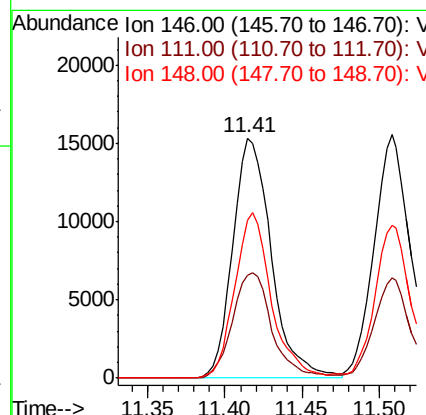
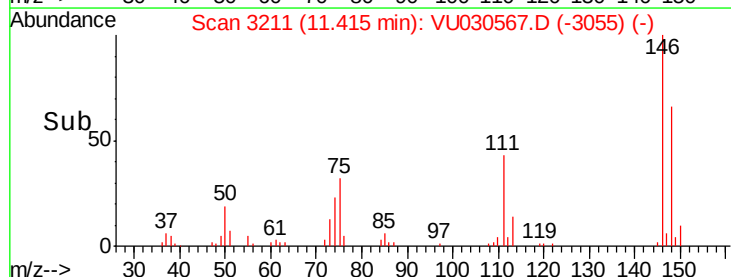
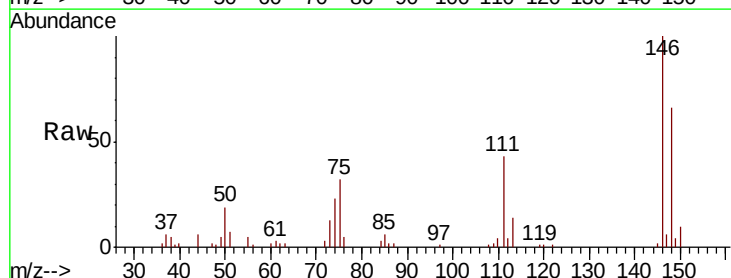
Instrument :
 MSVOA_U
 ClientSampleId :

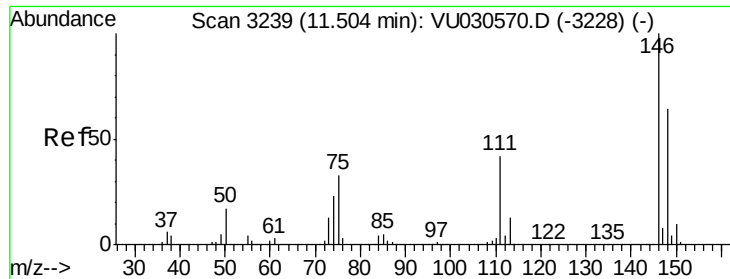
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	26.7	20.4	30.6



#82
 1,3-Dichlorobenzene
 Concen: 0.739 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	34.0	51.0
148	65.3	51.0	76.6

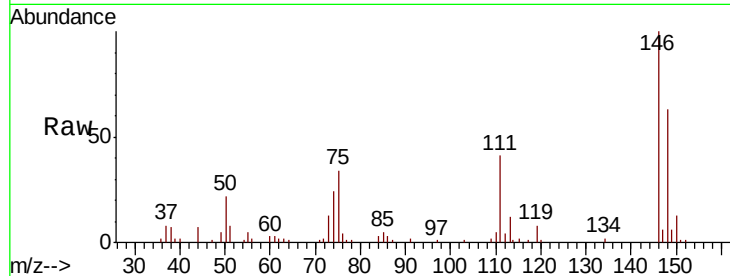




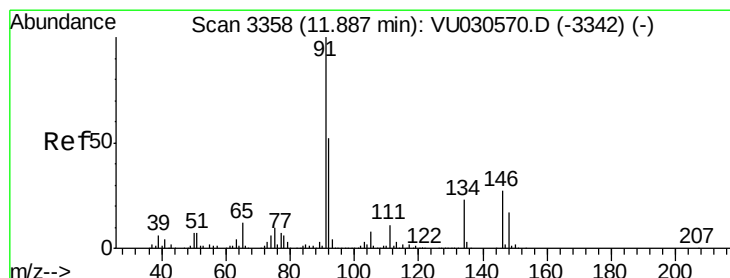
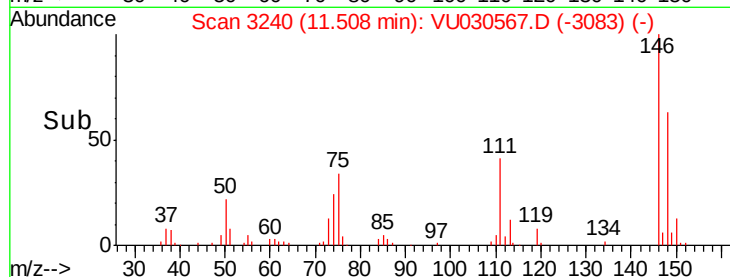
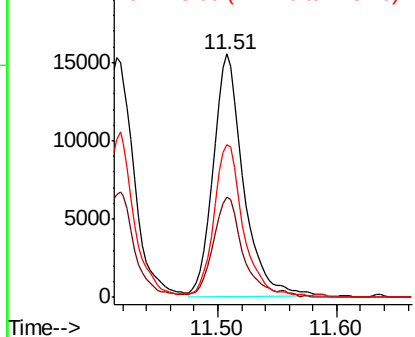
#83
 1,4-Dichlorobenzene
 Concen: 0.753 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 27194
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.8 49.2
 148 59.3 50.5 75.7

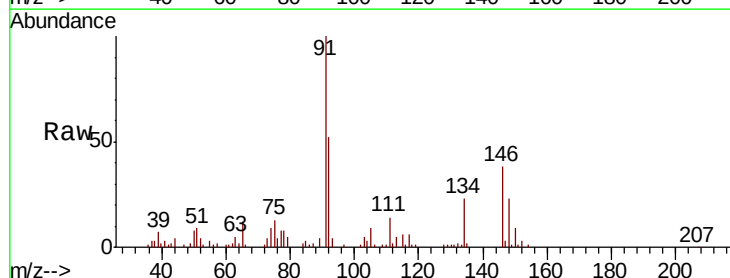


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

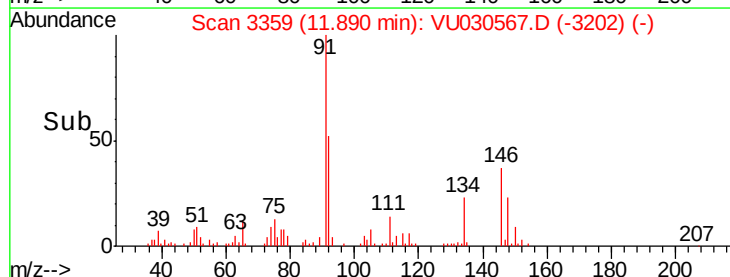
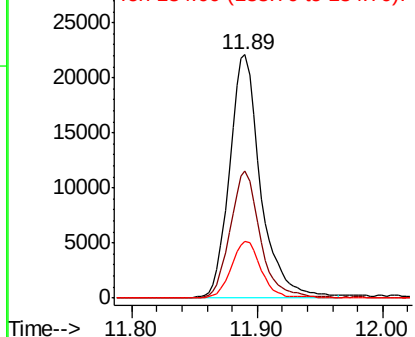


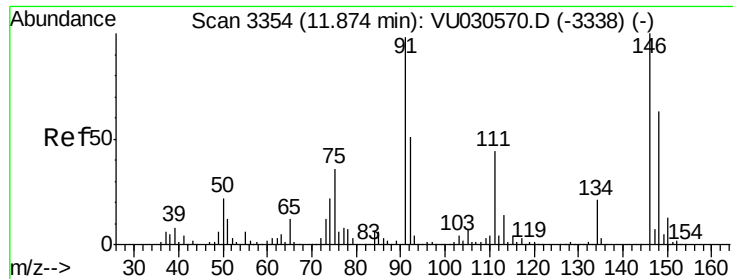
#84
 n-Butylbenzene
 Concen: 0.635 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion: 91 Resp: 38014
 Ion Ratio Lower Upper
 91 100
 92 50.2 41.7 62.5
 134 22.1 18.3 27.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V

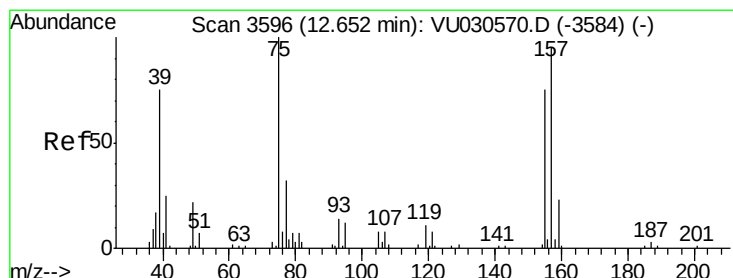
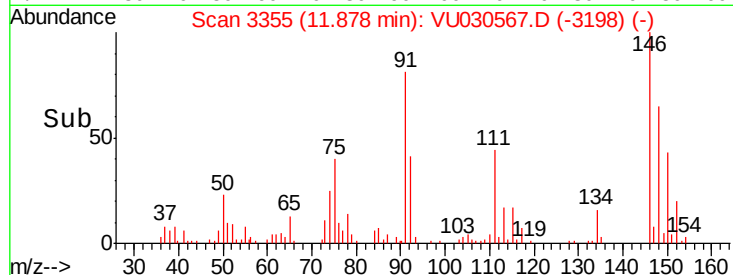
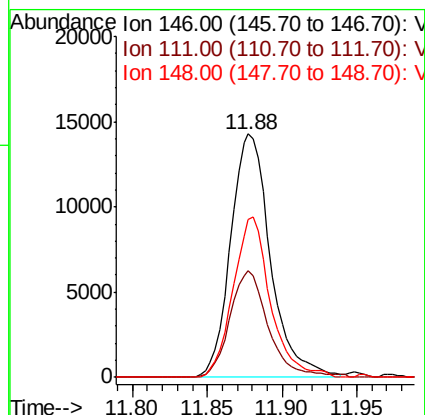
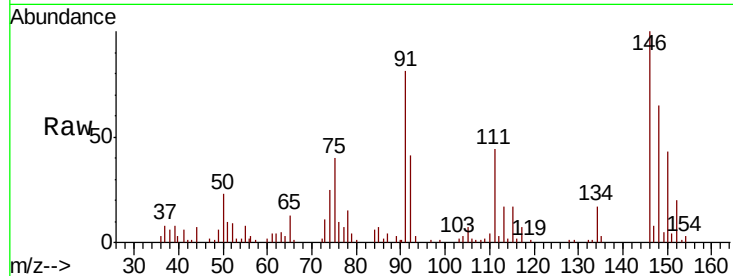




#85
 1,2-Dichlorobenzene
 Concen: 0.789 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

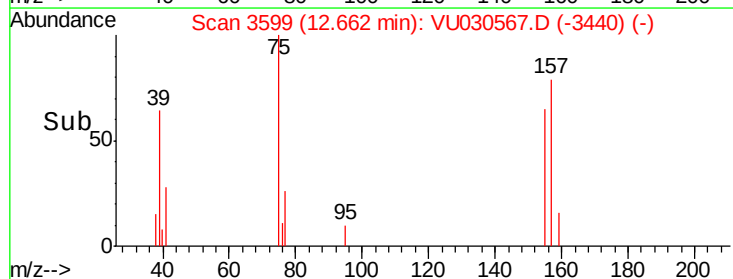
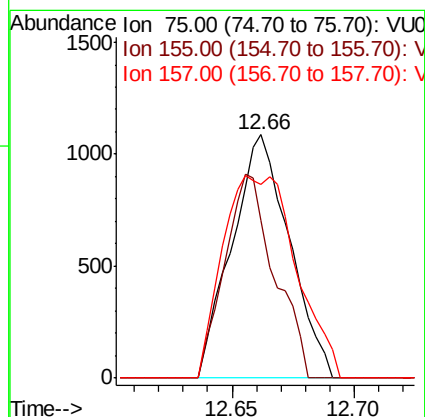
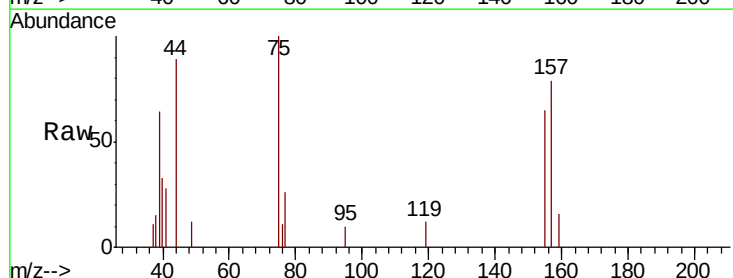
Instrument :
 MSVOA_U
 ClientSampled :

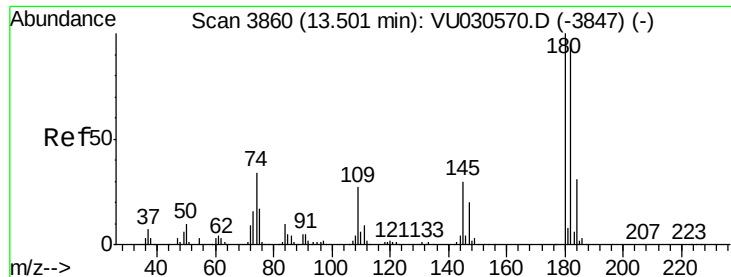
Tot Ion:146 Resp: 26423
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.9 65.5
 148 62.0 31.5 94.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.865 ug/l
 RT: 12.66 min Scan# 3599
 Delta R.T. 0.01 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion: 75 Resp: 1776
 Ion Ratio Lower Upper
 75 100
 155 72.5 59.7 89.5
 157 106.4 73.7 110.5

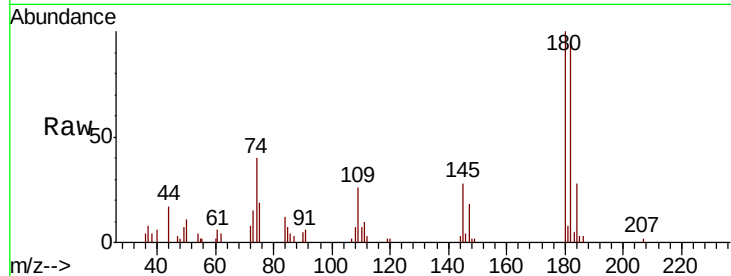




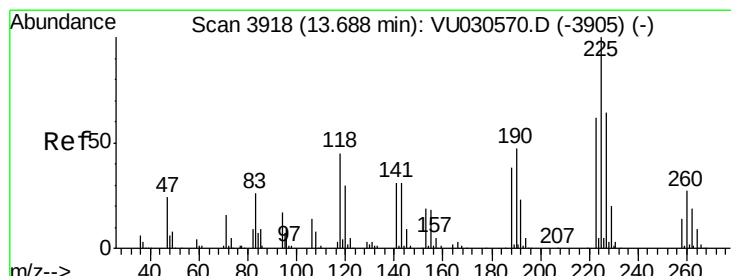
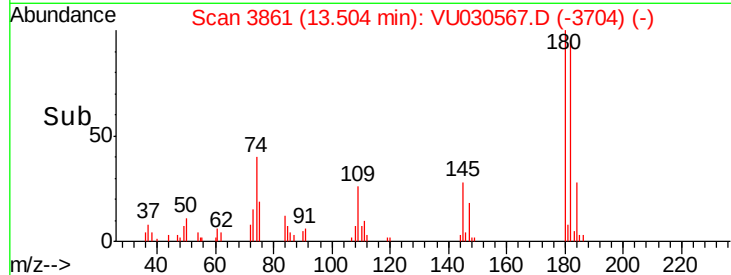
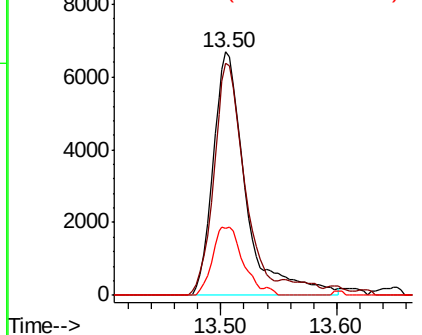
#87
 1,2,4-Trichlorobenzene
 Concen: 0.560 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 13138
 Ion Ratio Lower Upper
 180 100
 182 88.3 76.0 114.0
 145 26.5 24.3 36.5

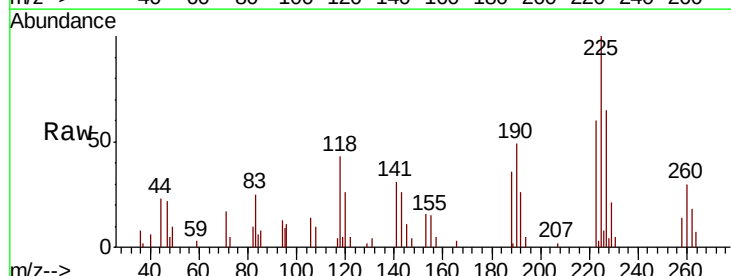


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

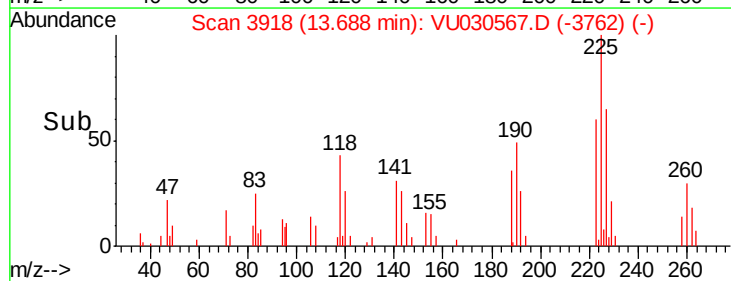
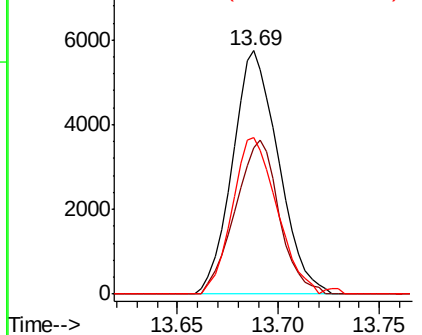


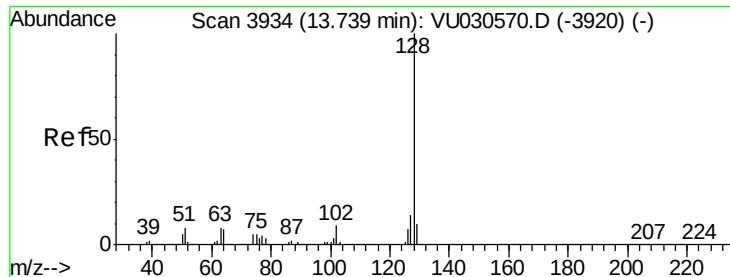
#88
 Hexachlorobutadiene
 Concen: 0.707 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion:225 Resp: 9175
 Ion Ratio Lower Upper
 225 100
 223 60.3 50.7 76.1
 227 62.5 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: 0.533 ug/l

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampled :

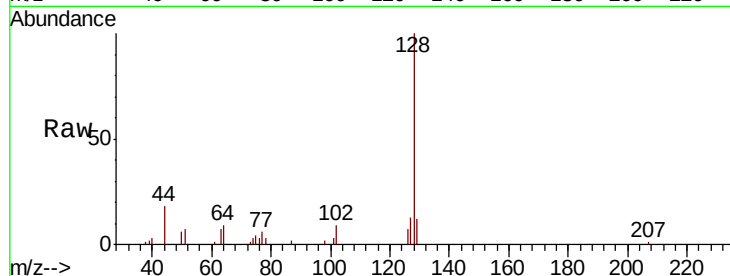
Tot Ion:128 Resp: 19630

Ion Ratio Lower Upper

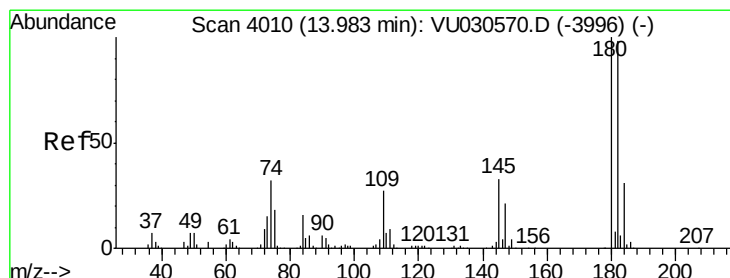
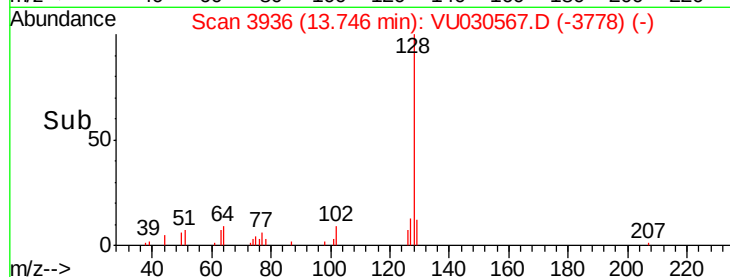
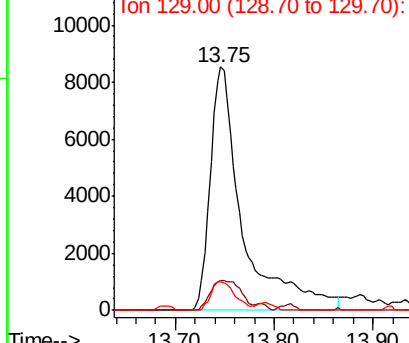
128 100

127 11.5 10.4 15.6

129 8.8 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: 0.611 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

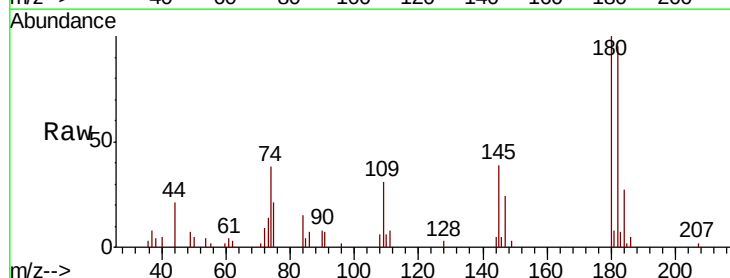
Tgt Ion:180 Resp: 13059

Ion Ratio Lower Upper

180 100

182 83.4 76.6 114.8

145 31.2 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

