

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041180.D
 Acq On : 10 Nov 2020 15:56
 Operator : SY/MD
 Sample : L4646-22
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W6

Quant Time: Nov 11 02:00:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 00:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	54690	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53792	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24480	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15045	3.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.40%
7) Chloroethane-d5	1.92	69	14280	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.58	63	24962	2.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.40%#
20) 2-Butanone-d5	4.65	46	83855	55.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.84%
24) Chloroform-d	5.08	84	40043	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	25884	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.74	84	67273	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.70	67	24551	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.91	98	55319	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.19	79	8656	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	57657	52.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22633	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	24724	5.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.20%

Target Compounds

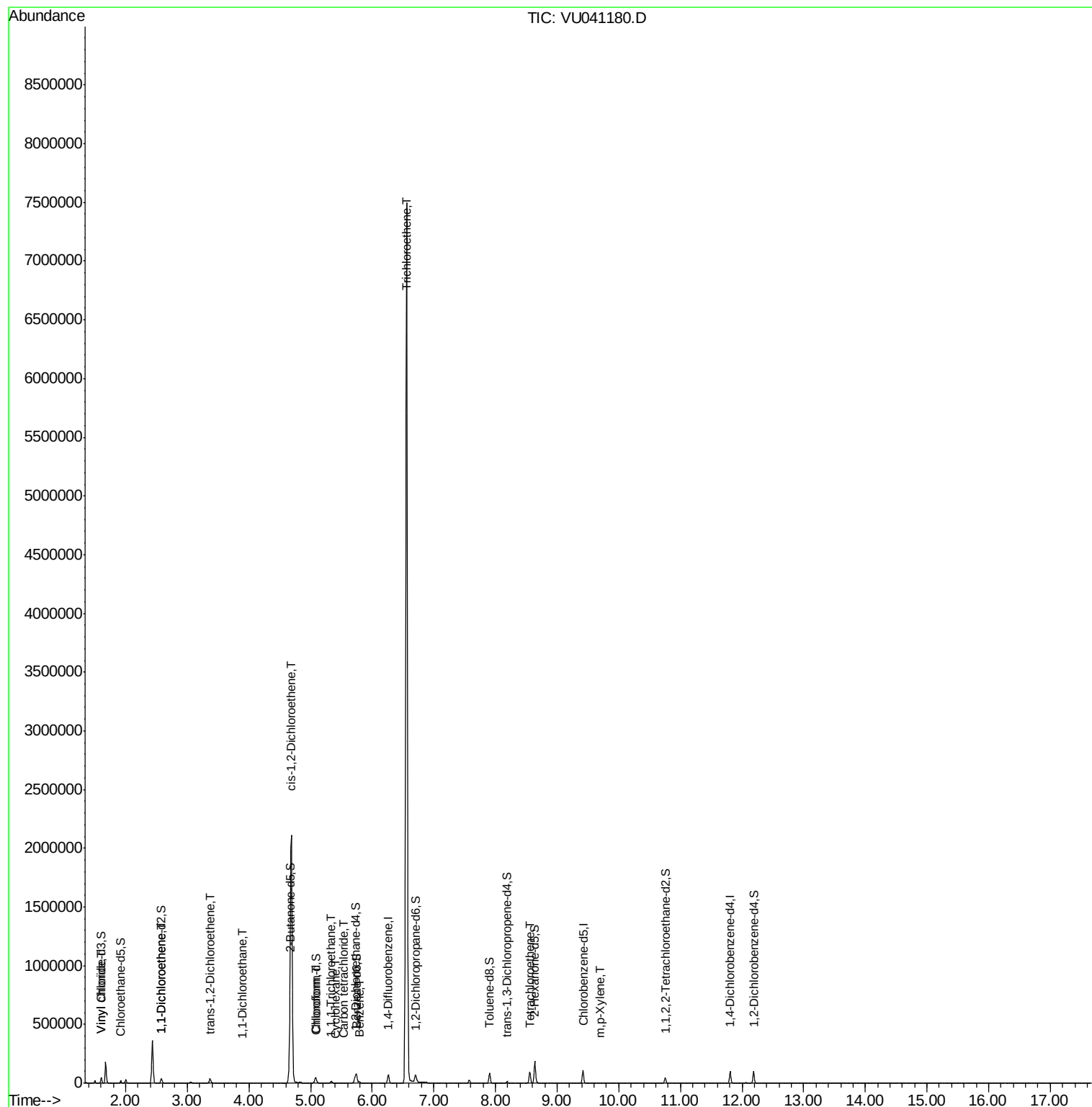
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	4563	0.888	ug/L	91
12) 1,1-Dichloroethene	2.59	96	1981	0.513	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	13876	3.534	ug/L	91
19) 1,1-Dichloroethane	3.89	63	2541	0.324	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	997421	246.301	ug/L	95
25) Chloroform	5.11	83	4731	0.601	ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	9219	1.401	ug/L	92
30) Cyclohexane	5.41	56	860	0.133	ug/L #	22
31) Carbon tetrachloride	5.54	117	2213	0.380	ug/L	96
33) Benzene	5.79	78	11082	0.689	ug/L	100
34) Trichloroethene	6.56	95	2485663	607.677	ug/L	95
47) Tetrachloroethene	8.56	164	18545	6.166	ug/L	99
53) m,p-Xylene	9.70	106	909	0.145	ug/L	77

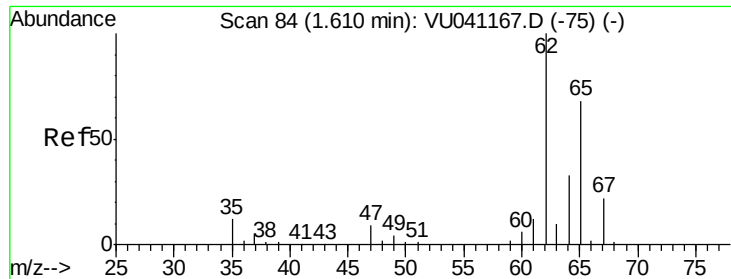
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.888 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041180.D

Acq: 10 Nov 2020 15:56

Instrument :

MSVOA_U

ClientSampleID :

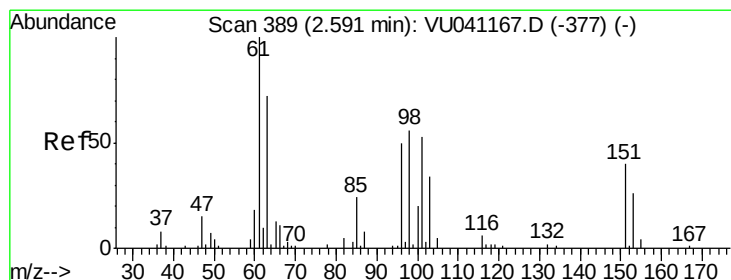
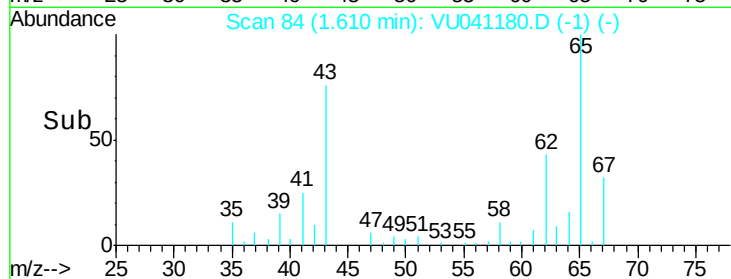
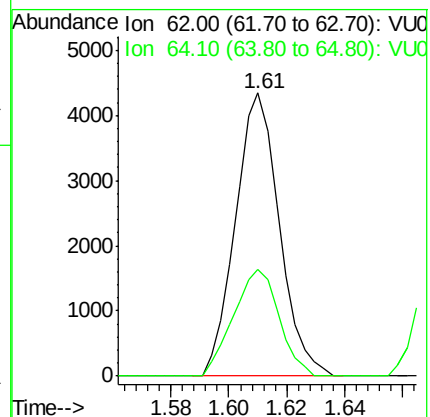
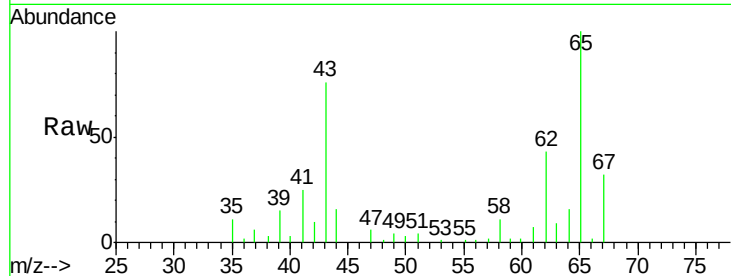
GB0W6

Tot Ion: 62 Resp: 4563

Ion Ratio Lower Upper

62 100

64 37.8 22.7 42.3



#12

1,1-Dichloroethene

Concen: 0.513 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041180.D

Acq: 10 Nov 2020 15:56

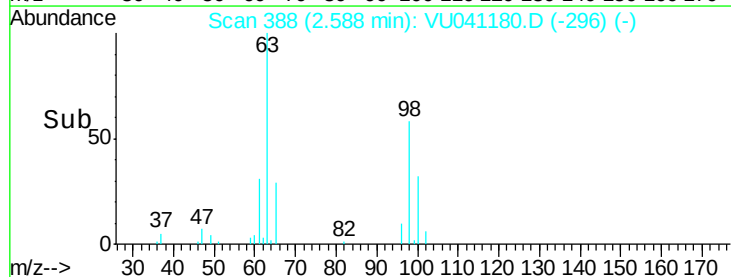
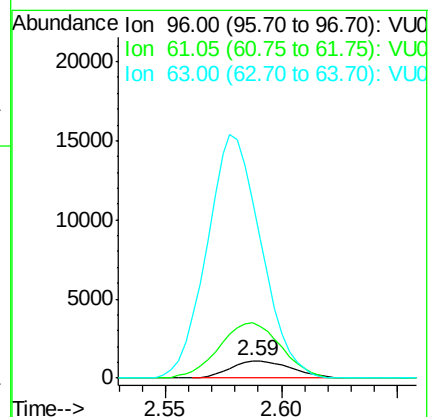
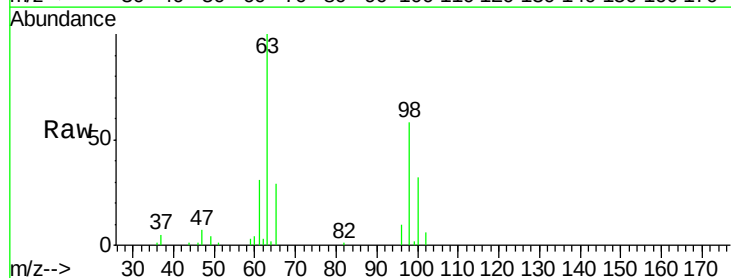
Tgt Ion: 96 Resp: 1981

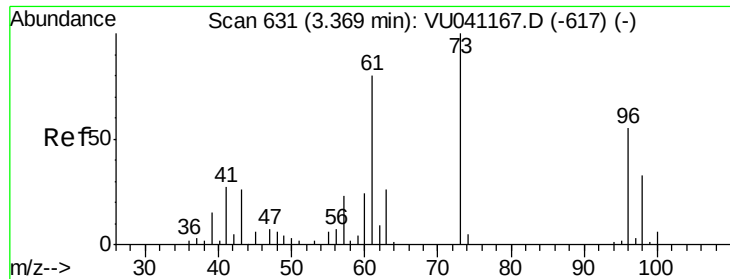
Ion Ratio Lower Upper

96 100

61 317.5 134.3 249.5#

63 1015.2 95.0 176.4#

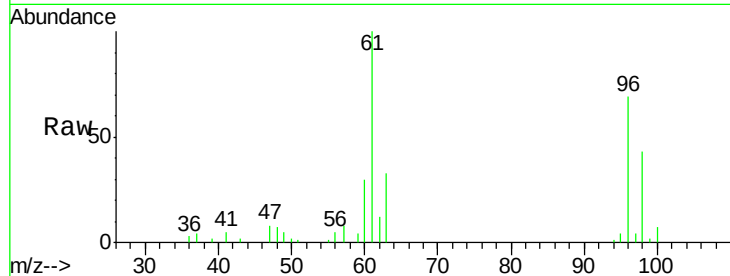




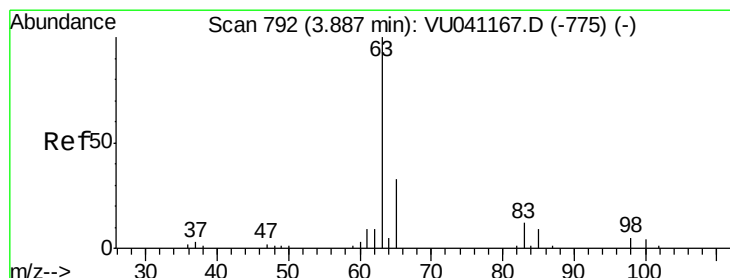
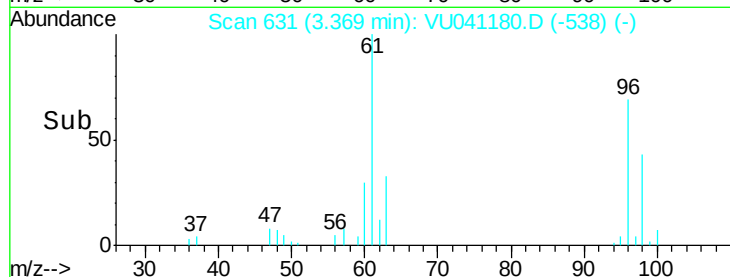
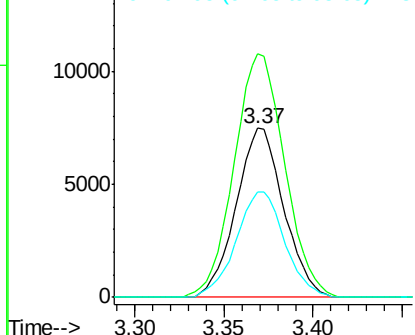
#18
trans-1,2-Dichloroethene
Concen: 3.534 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Instrument :
MSVOA_U
ClientSampleId :
GB0W6

Tot Ion: 96 Resp: 13876
Ion Ratio Lower Upper
96 100
61 144.1 110.9 205.9
98 62.1 45.4 84.2

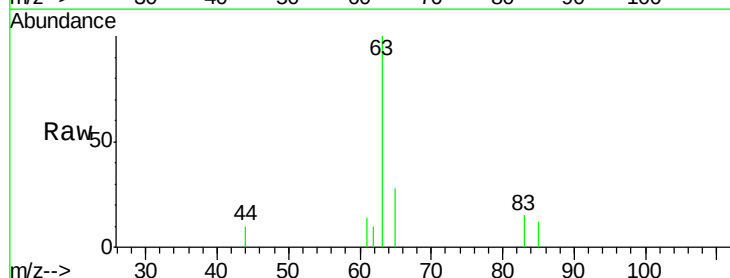


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

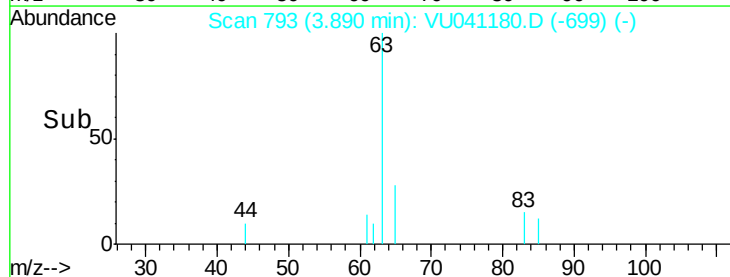
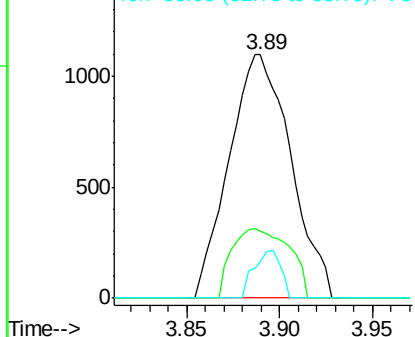


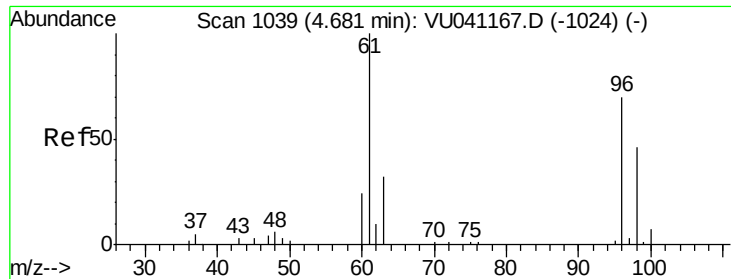
#19
1,1-Dichloroethane
Concen: 0.324 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 63 Resp: 2541
Ion Ratio Lower Upper
63 100
65 27.6 21.3 39.6
83 14.8 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0

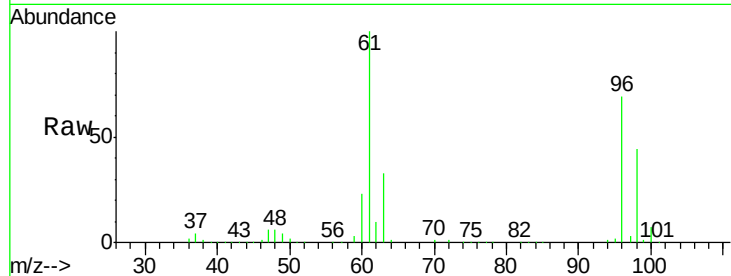




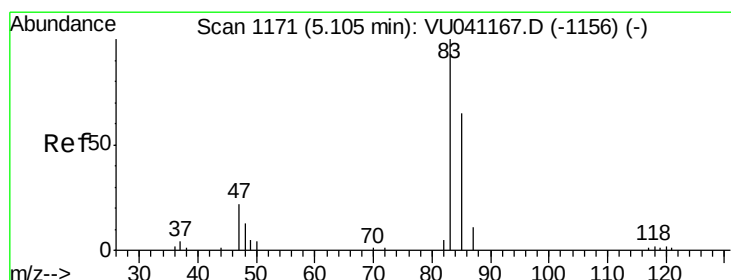
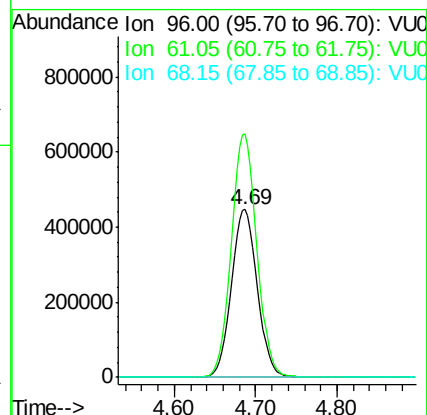
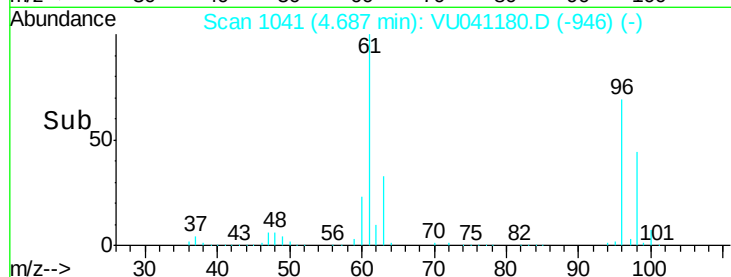
#22
 cis-1,2-Dichloroethene
 Concen: 246.301 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU041180.D
 Acq: 10 Nov 2020 15:56

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W6

Tot Ion: 96 Resp: 997421
 Ion Ratio Lower Upper
 96 100
 61 145.0 97.2 180.4
 68 0.0 0.0 0.0

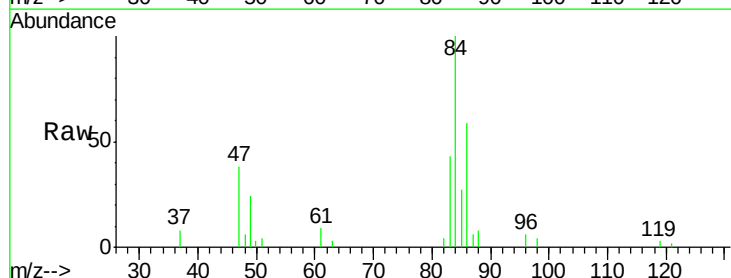


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

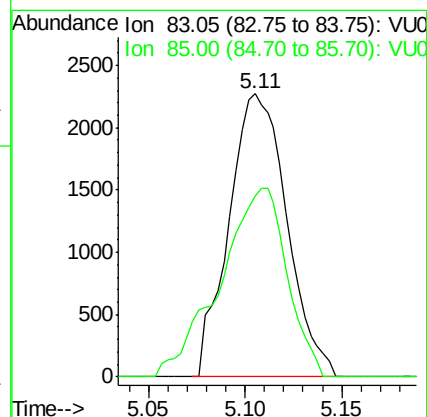
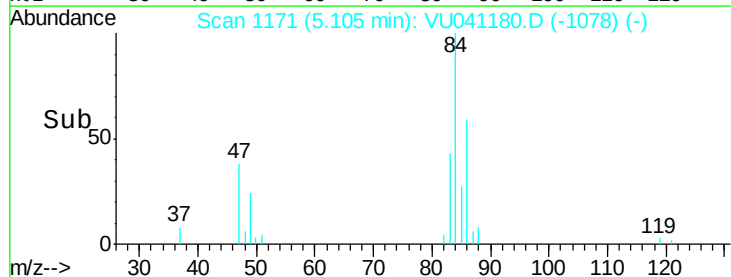


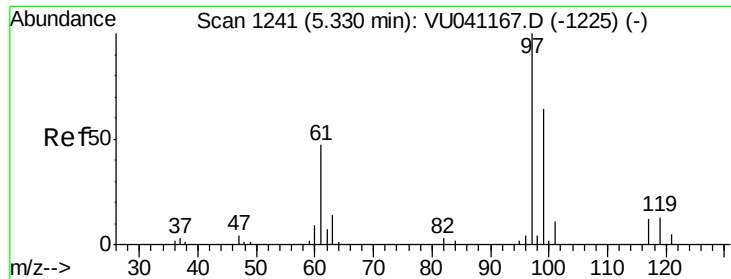
#25
 Chloroform
 Concen: 0.601 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU041180.D
 Acq: 10 Nov 2020 15:56

Tgt Ion: 83 Resp: 4731
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

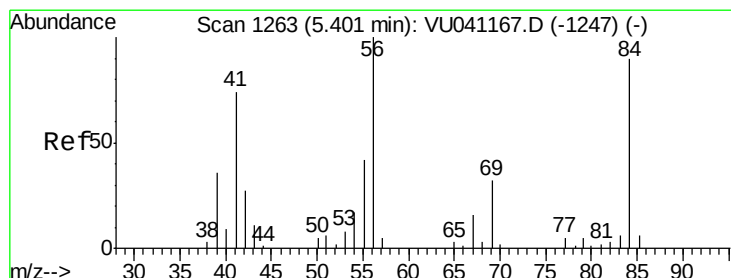
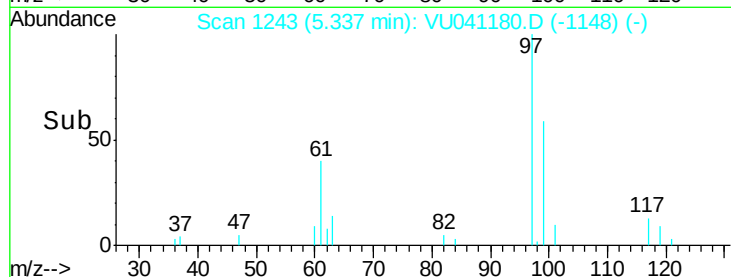
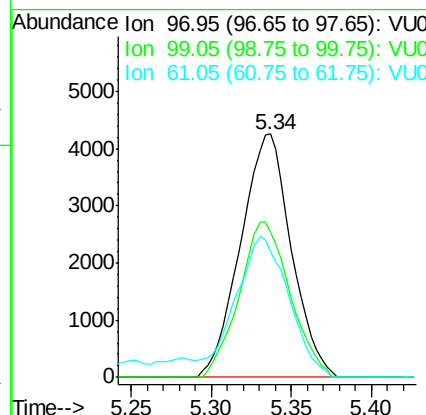
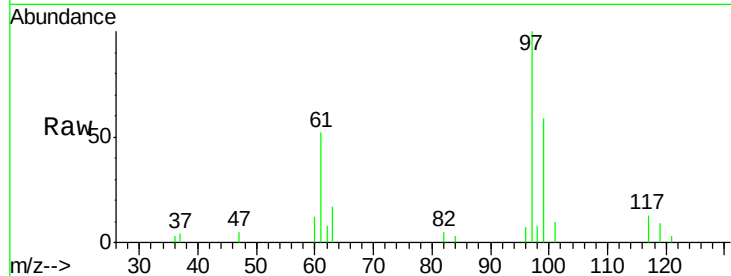




#29
 1,1,1-Trichloroethane
 Concen: 1.401 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU041180.D
 Acq: 10 Nov 2020 15:56

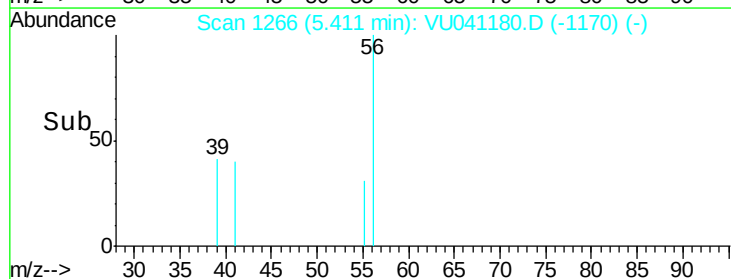
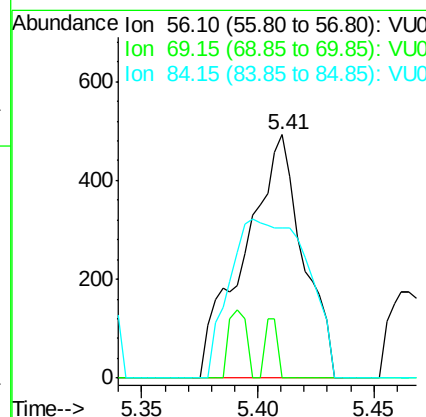
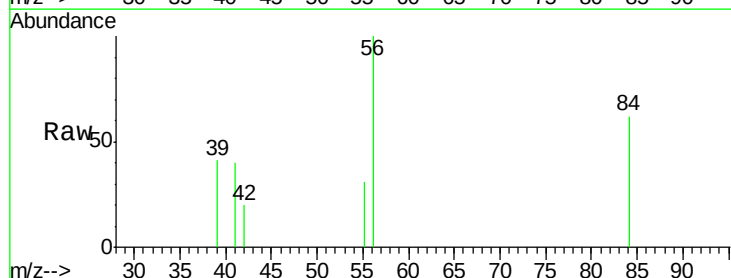
Instrument :
 MSVOA_U
 ClientSampled :
 GB0W6

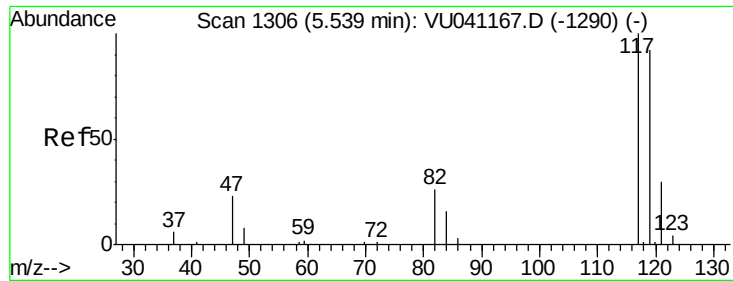
Tot Ion: 97 Resp: 9219
 Ion Ratio Lower Upper
 97 100
 99 63.9 53.4 80.0
 61 61.5 41.6 62.4



#30
 Cyclohexane
 Concen: 0.133 ug/L
 RT: 5.41 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VU041180.D
 Acq: 10 Nov 2020 15:56

Tgt Ion: 56 Resp: 860
 Ion Ratio Lower Upper
 56 100
 69 5.3 22.8 34.2#
 84 0.0 63.6 95.4#

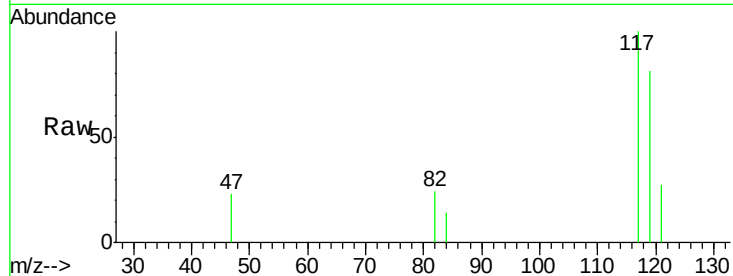




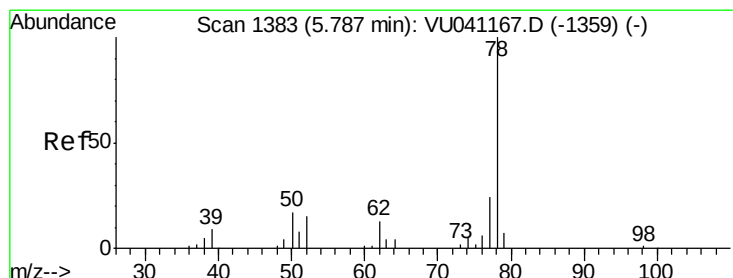
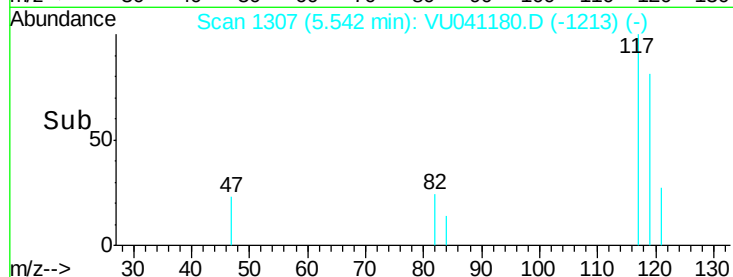
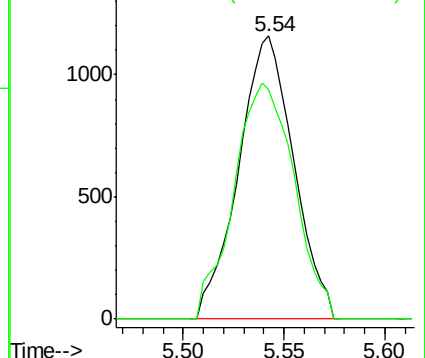
#31
Carbon tetrachloride
Concen: 0.380 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Instrument :
MSVOA_U
ClientSampleId :
GB0W6

Tot Ion:117 Resp: 2213
Ion Ratio Lower Upper
117 100
119 91.1 76.1 114.1

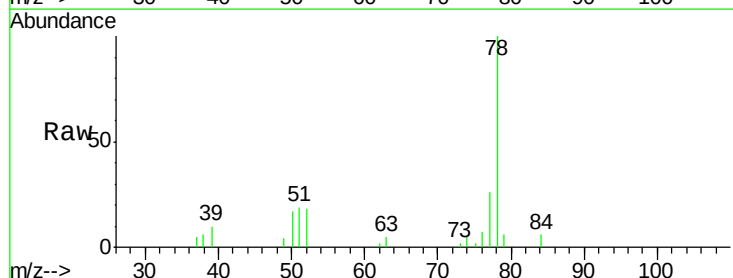


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

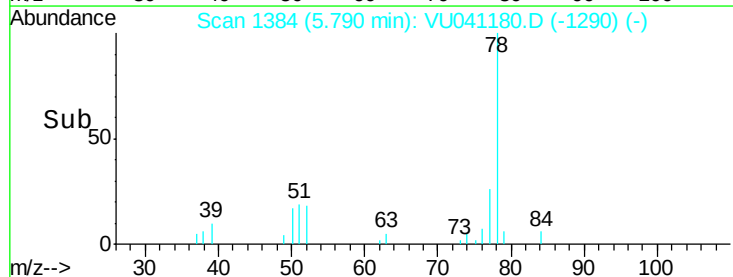
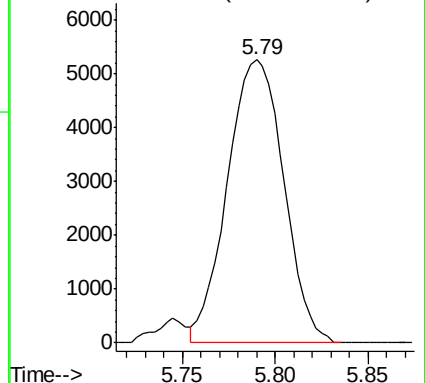


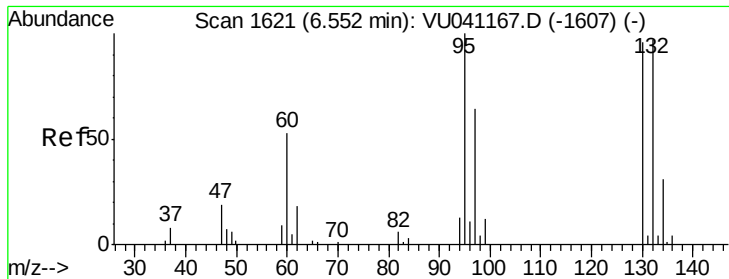
#33
Benzene
Concen: 0.689 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041180.D
Acq: 10 Nov 2020 15:56

Tgt Ion: 78 Resp: 11082



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 607.677 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU041180.D

Acq: 10 Nov 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

GB0W6

Tot Ion: 95 Resp: 2485663

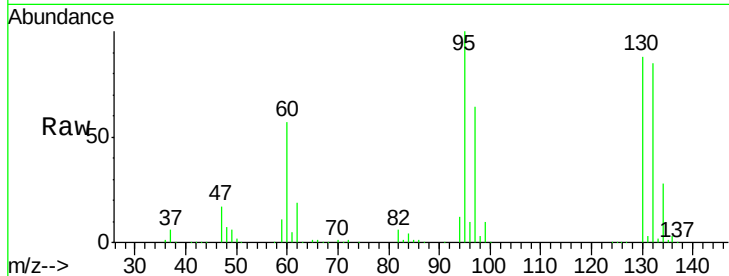
Ion Ratio Lower Upper

95 100

97 64.2 45.6 84.6

132 85.0 64.8 120.4

130 88.0 64.8 120.4

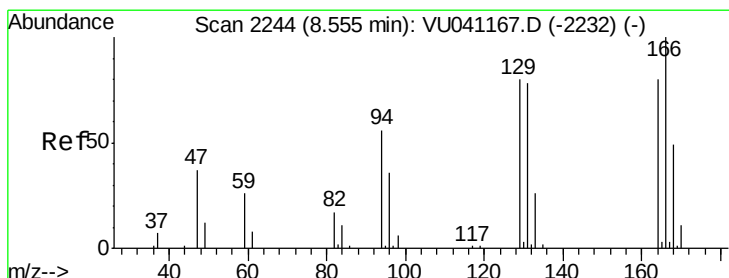
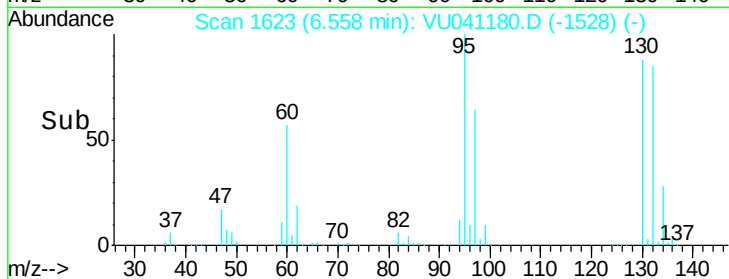
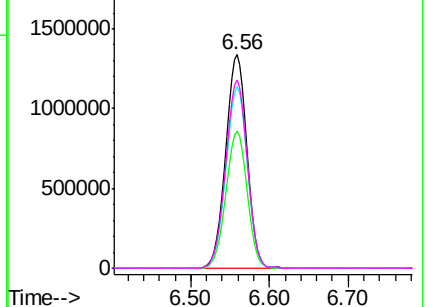


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 6.166 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041180.D

Acq: 10 Nov 2020 15:56

Tgt Ion: 164 Resp: 18545

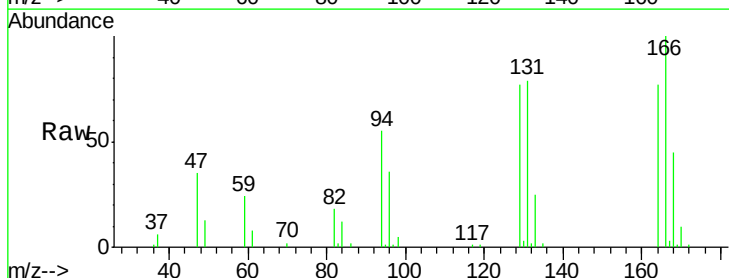
Ion Ratio Lower Upper

164 100

129 99.7 70.3 130.7

131 102.7 70.8 131.4

166 130.3 92.0 170.8

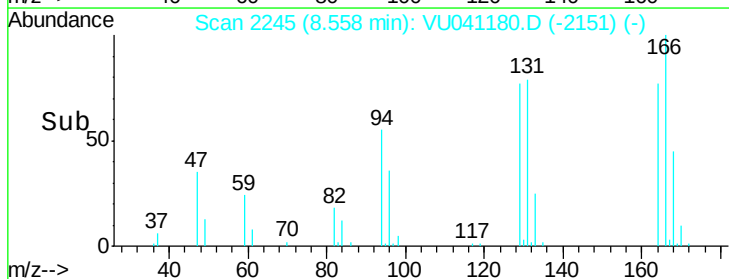
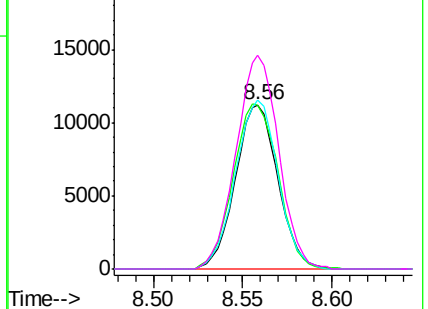


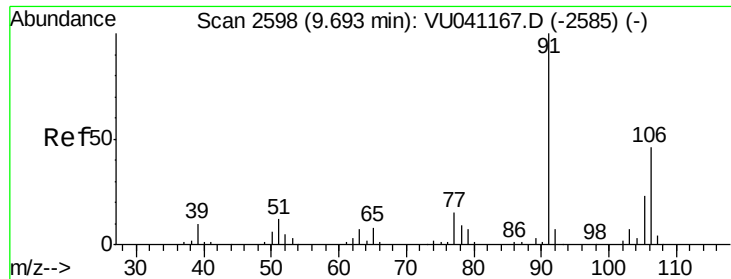
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#53

m,p-Xylene

Concen: 0.145 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041180.D

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ClientSampleId :

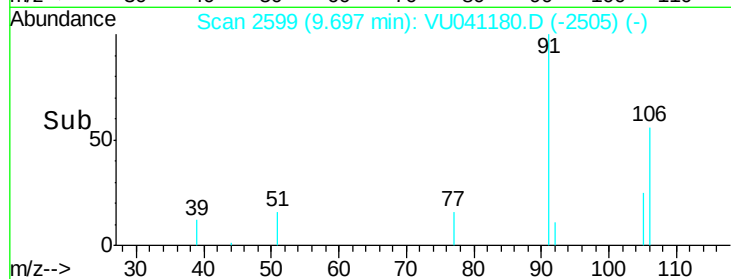
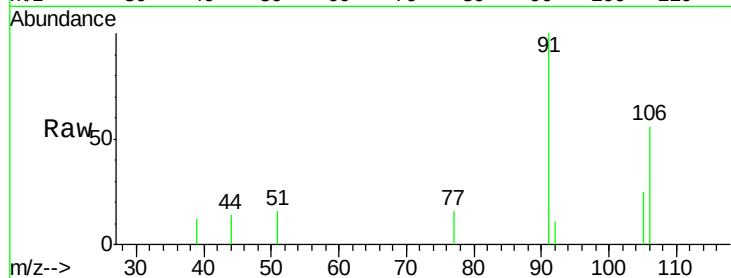
GB0W6

Tot Ion:106 Resp: 909

Ion Ratio Lower Upper

106 100

91 178.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

