

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041620\
 Data File : VU037762.D
 Acq On : 16 Apr 2020 18:21
 Operator : JC/MD
 Sample : L2292-11
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF8L5

Quant Time: Apr 17 04:55:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 01:29:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	269545	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	257325	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125542	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91686	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.93	69	81788	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.59	63	122373	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.66	46	288997	51.59	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	5.10	84	155835	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	95300	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.76	84	340533	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.72	67	111989	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.92	98	301359	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	8.20	79	47422	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.65	63	260773	50.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	87351	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	112176	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

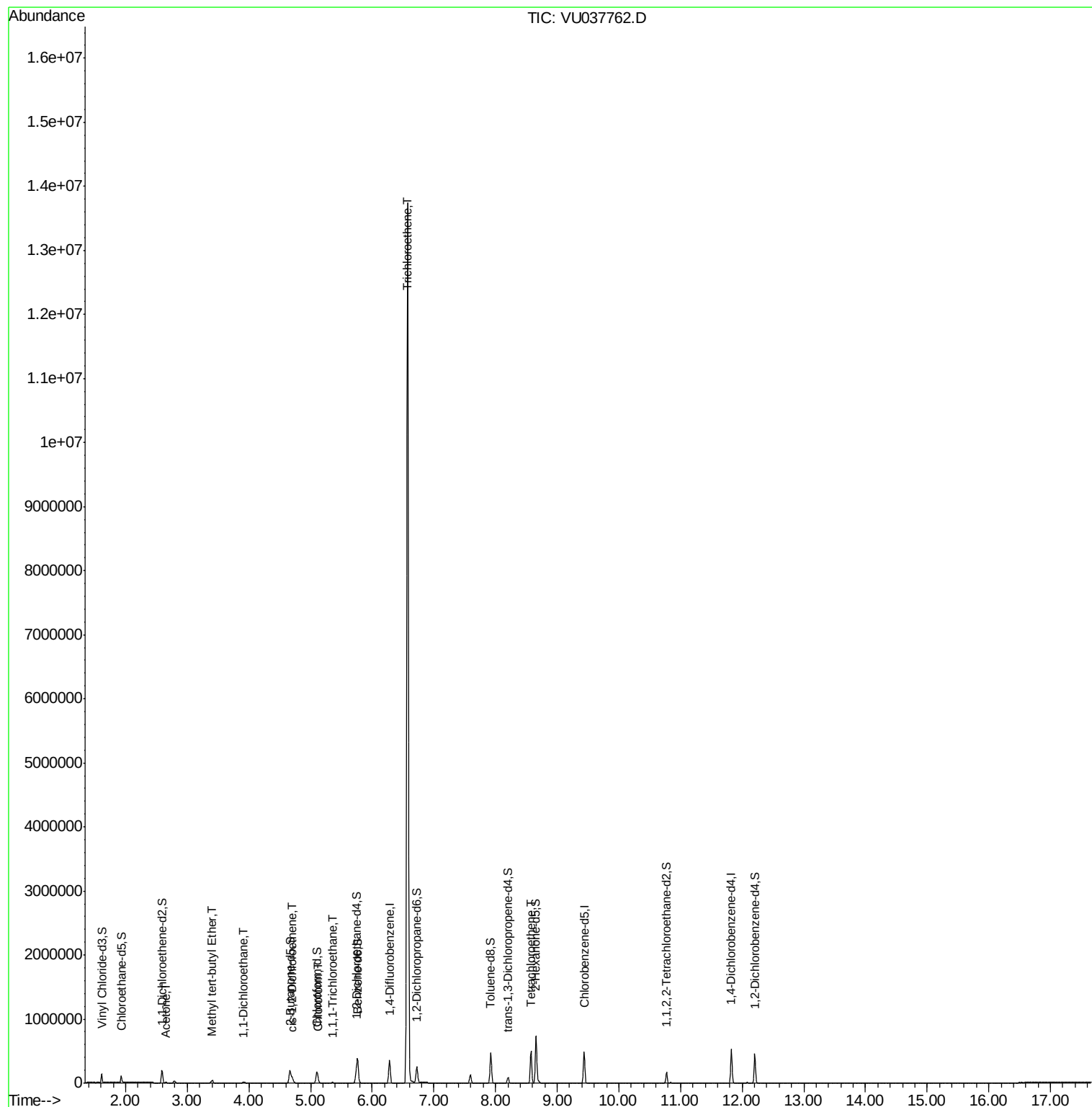
					Ovalue
13) Acetone	2.66	43	13744	3.721 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	44612	0.828 ug/L	95
19) 1,1-Dichloroethane	3.91	63	18745	0.481 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	28503	1.308 ug/L	95
25) Chloroform	5.13	83	17635	0.476 ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	7396	0.237 ug/L	94
34) Trichloroethene	6.57	95	4563250	218.396 ug/L	97
47) Tetrachloroethene	8.57	164	107087	7.132 ug/L	99

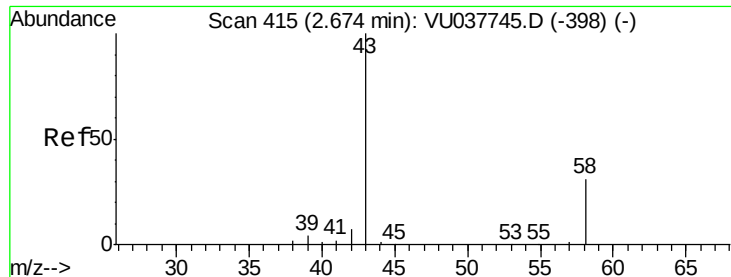
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 17 01:29:02 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.721 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

Instrument :

MSVOA_U

ClientSampled :

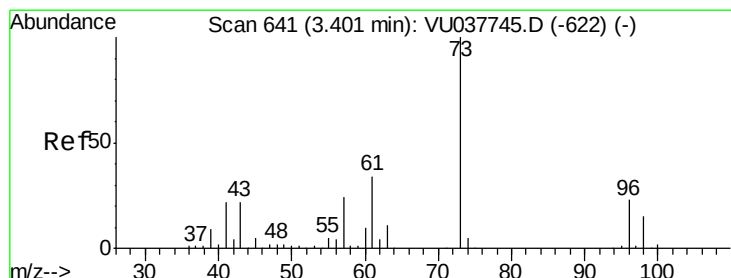
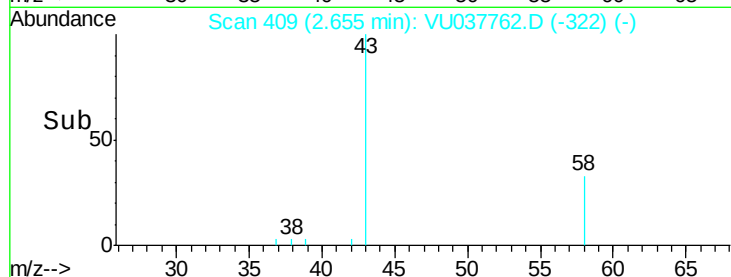
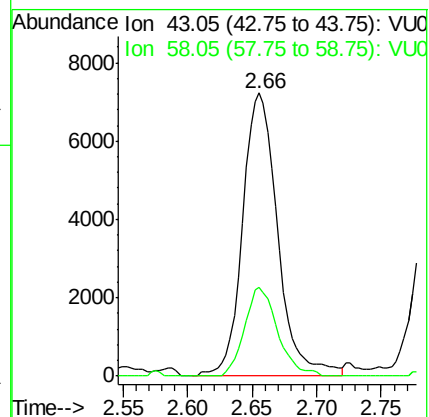
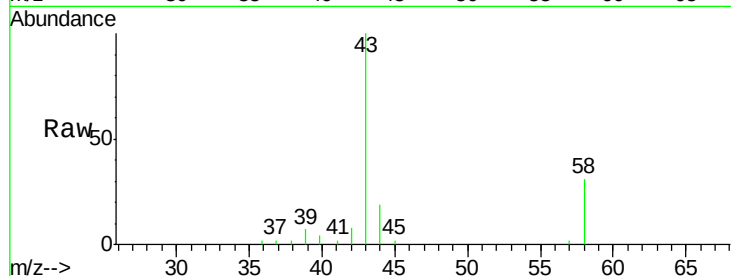
BF8L5

Tot Ion: 43 Resp: 13744

Ion Ratio Lower Upper

43 100

58 29.5 0.0 64.8



#17

Methyl tert-butyl Ether

Concen: 0.828 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

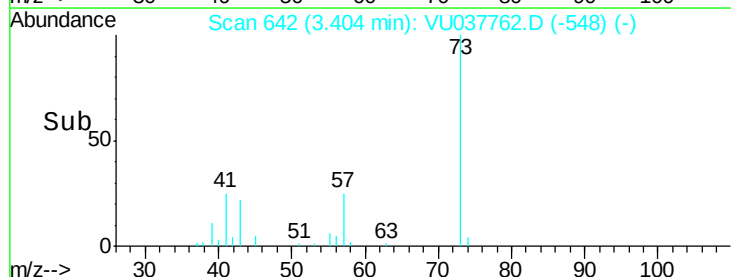
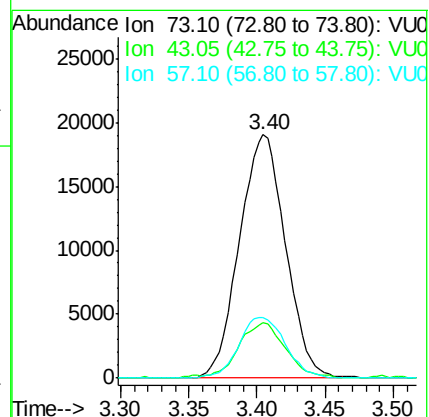
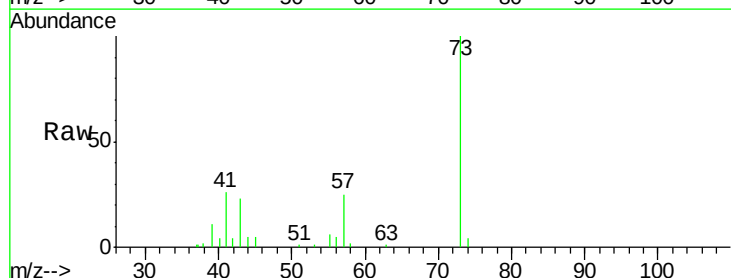
Tgt Ion: 73 Resp: 44612

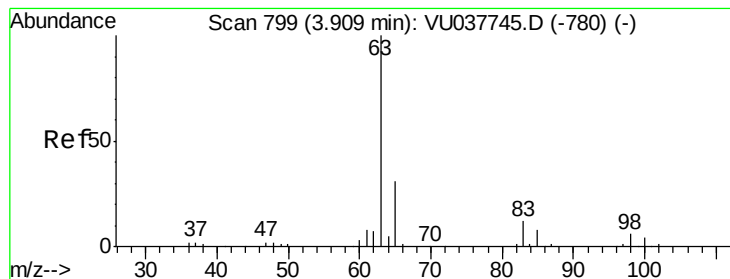
Ion Ratio Lower Upper

73 100

43 23.1 16.4 24.6

57 25.2 18.4 27.6





#19

1,1-Dichloroethane

Concen: 0.481 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

Instrument :

MSVOA_U

ClientSampleID :

BF8L5

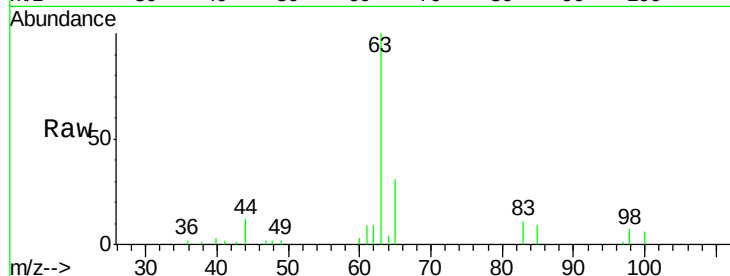
Tot Ion: 63 Resp: 18745

Ion Ratio Lower Upper

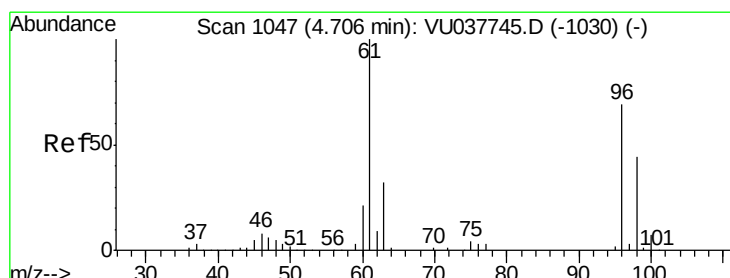
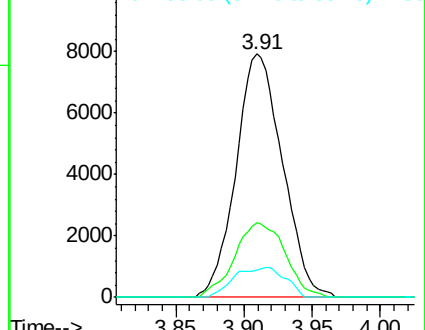
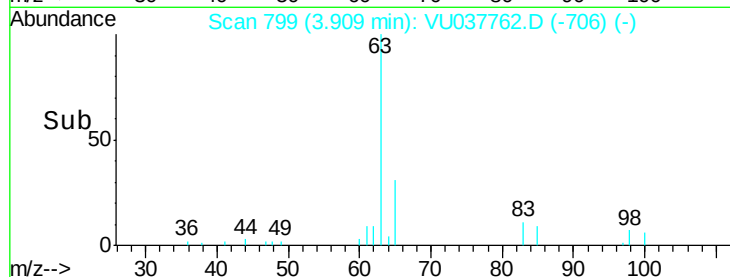
63 100

65 30.7 21.6 40.2

83 11.2 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037762.D (-706) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.308 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

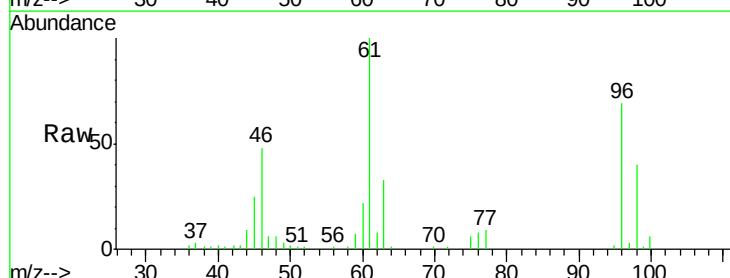
Tgt Ion: 96 Resp: 28503

Ion Ratio Lower Upper

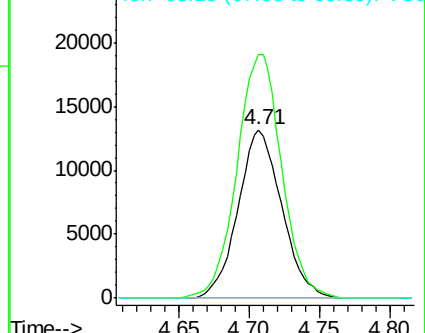
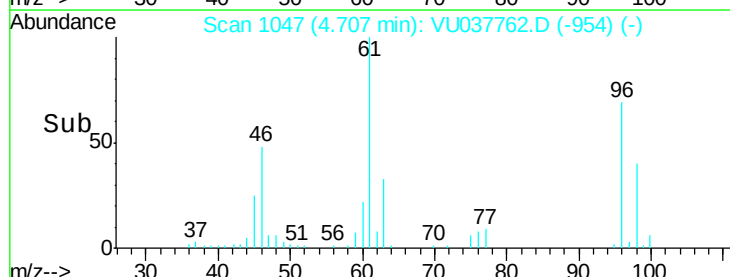
96 100

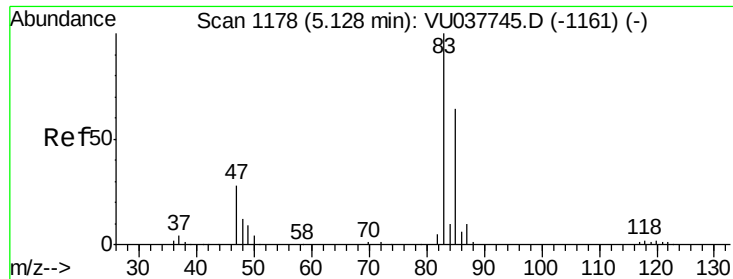
61 144.6 97.0 180.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037762.D (-954) (-)





#25

Chloroform

Concen: 0.476 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

Instrument :

MSVOA_U

ClientSampleId :

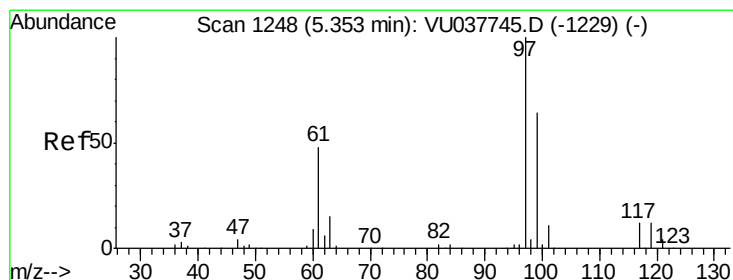
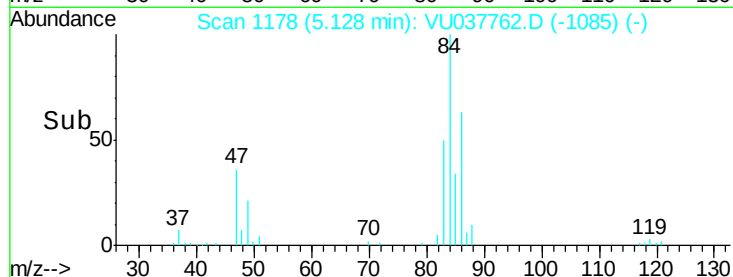
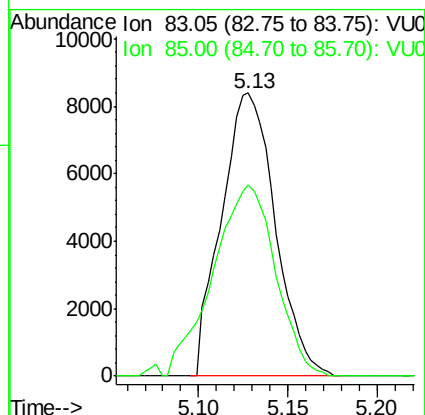
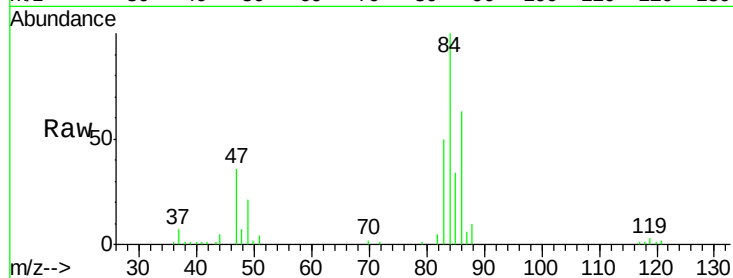
BF8L5

Tot Ion: 83 Resp: 17635

Ion Ratio Lower Upper

83 100

85 67.5 44.9 83.3



#29

1,1,1-Trichloroethane

Concen: 0.237 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

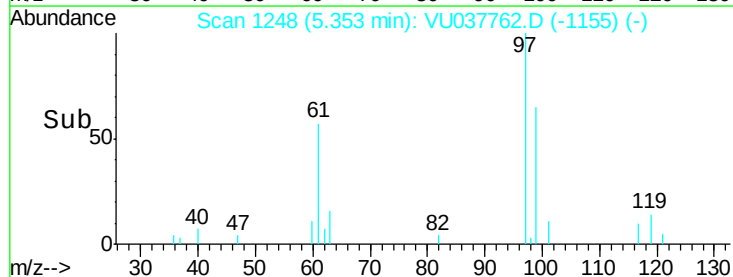
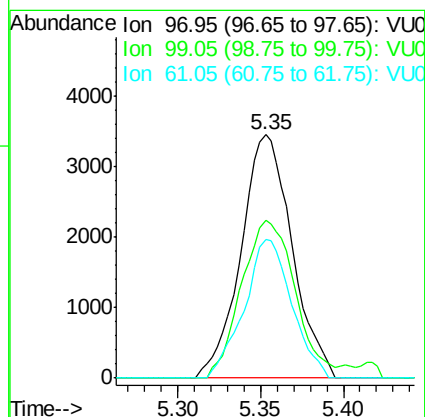
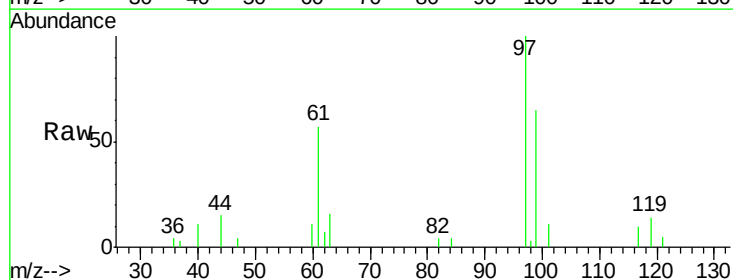
Tgt Ion: 97 Resp: 7396

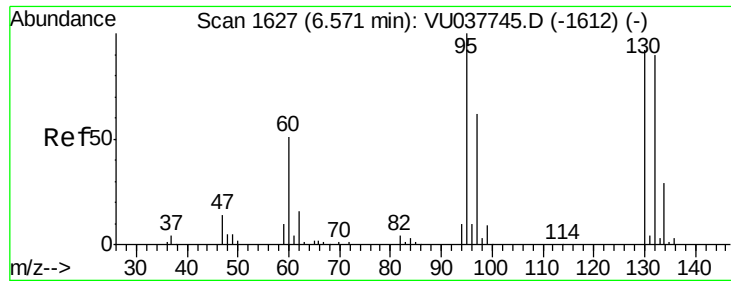
Ion Ratio Lower Upper

97 100

99 68.2 52.0 78.0

61 53.0 37.8 56.8





#34

Trichloroethene

Concen: 218.396 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

Instrument :

MSVOA_U

ClientSampleId :

BF8L5

Tot Ion: 95 Resp: 4563250

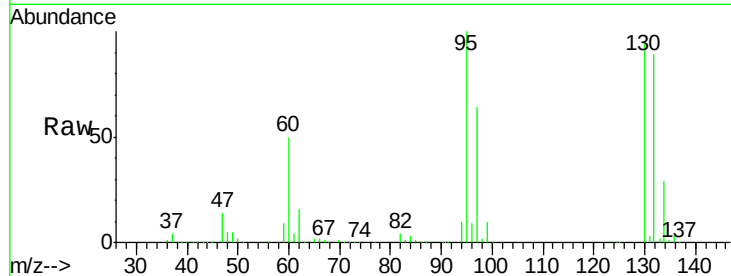
Ion Ratio Lower Upper

95 100

97 63.9 45.4 84.2

132 89.1 63.7 118.3

130 93.5 68.7 127.5



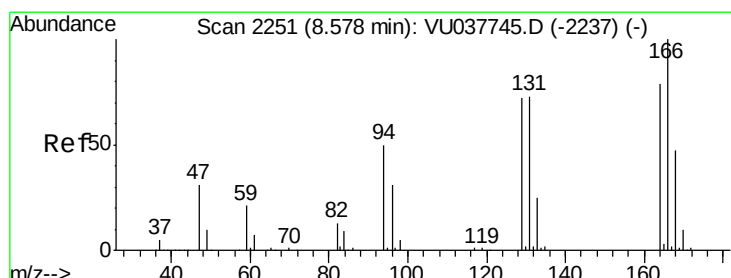
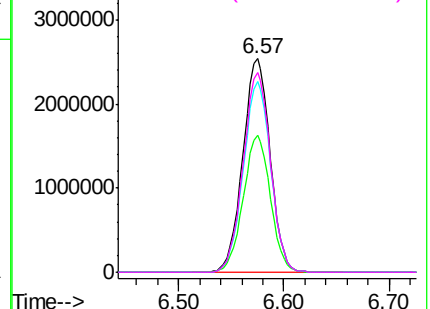
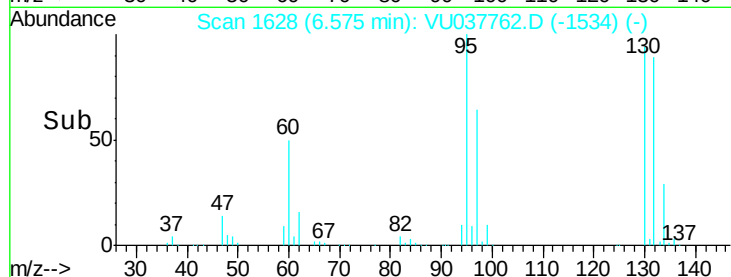
Abundance

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: 7.132 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037762.D

Acq: 16 Apr 2020 18:21

Tgt Ion:164 Resp: 107087

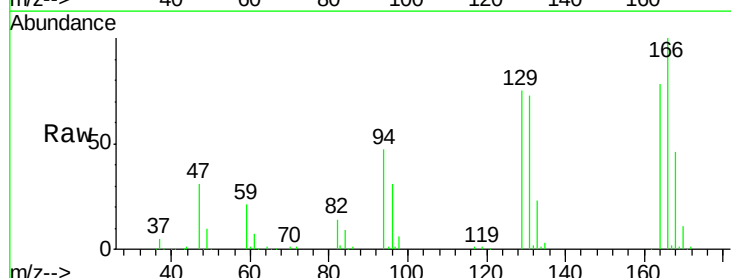
Ion Ratio Lower Upper

164 100

129 96.6 68.1 126.5

131 93.6 65.9 122.5

166 128.7 89.7 166.7



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

