

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062919\
 Data File : VU033093.D
 Acq On : 29 Jun 2019 00:21
 Operator : JC/SP
 Sample : K3597-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAM74

Quant Time: Jun 29 02:00:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 29 00:59:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	83931	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	89252	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	42229	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37201	6.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	133.20%#
7) Chloroethane-d5	1.68	69	29664	6.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.00%
11) 1,1-Dichloroethene-d2	2.27	63	56851	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.19	46	93464	55.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.22%
24) Chloroform-d	4.64	84	63655	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.31	65	35932	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.33	84	120795	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
36) 1,2-Dichloropropane-d6	6.32	67	38875	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.20%
41) Toluene-d8	7.56	98	106508	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.85	79	14922	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.31	63	64599	51.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31626	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	43355	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

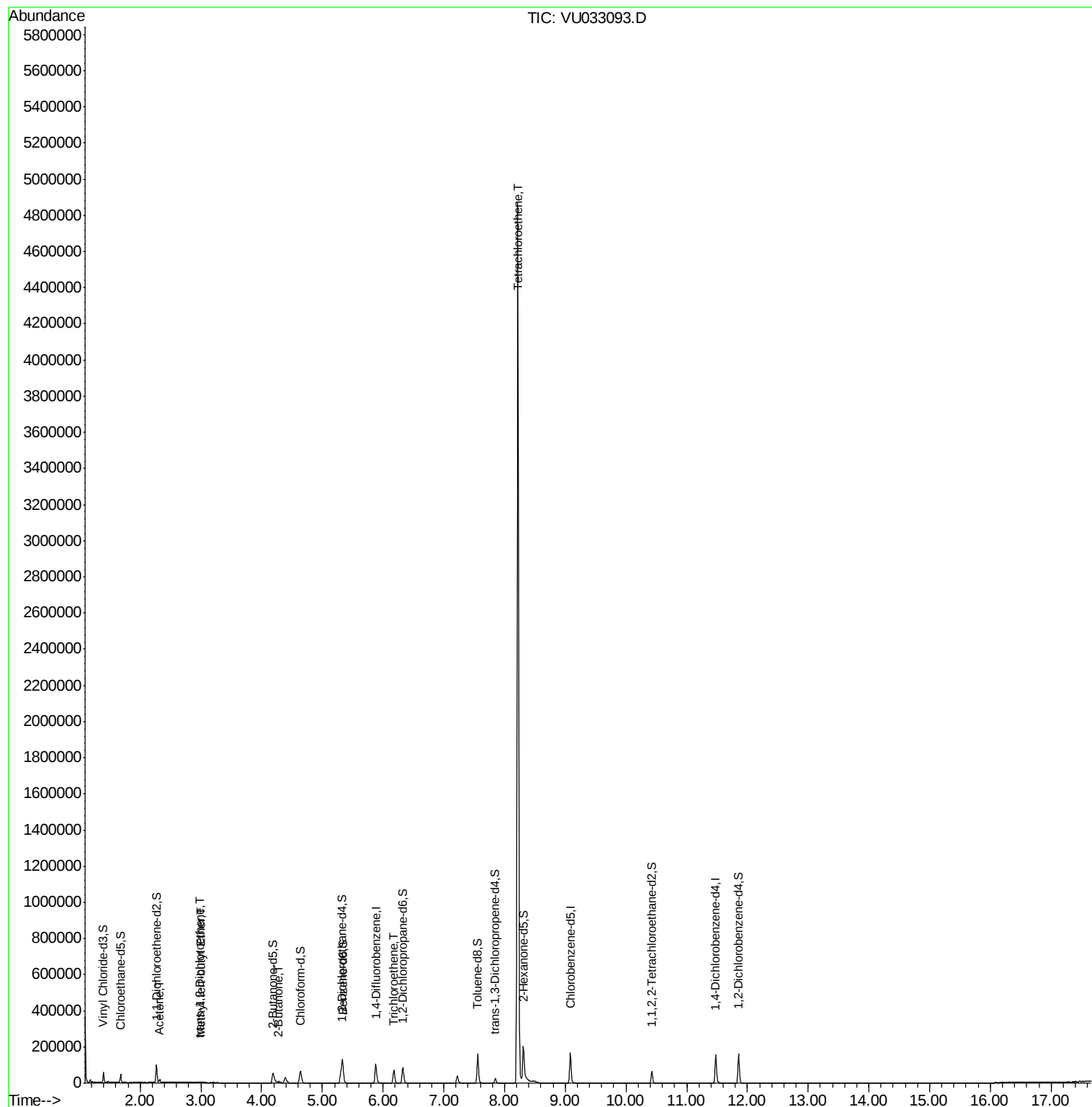
					Ovalue
13) Acetone	2.32	43	18382	12.861 ug/L	96
17) Methyl tert-butyl Ether	3.00	73	3300	0.211 ug/L #	84
18) trans-1,2-Dichloroethene	2.97	96	968	0.158 ug/L	82
21) 2-Butanone	4.28	43	10912	5.424 ug/L	100
34) Trichloroethene	6.18	95	23497	3.261 ug/L	98
47) Tetrachloroethene	8.22	164	998714	172.289 ug/L	98

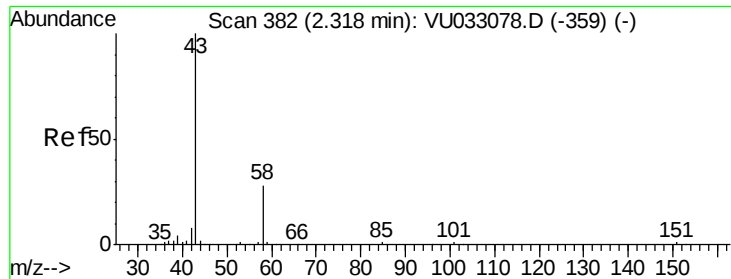
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 12.861 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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Acq: 29 Jun 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

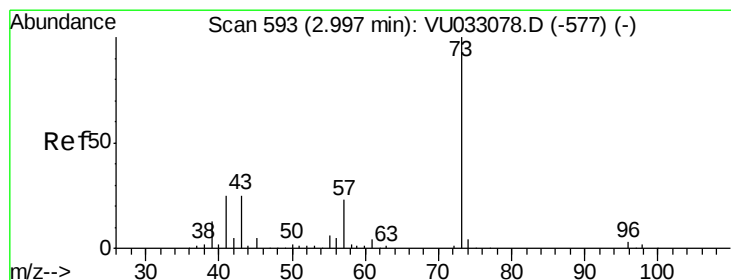
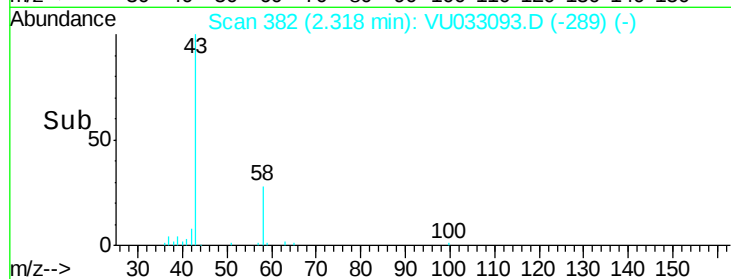
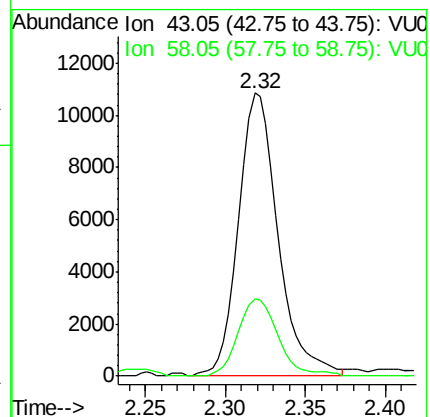
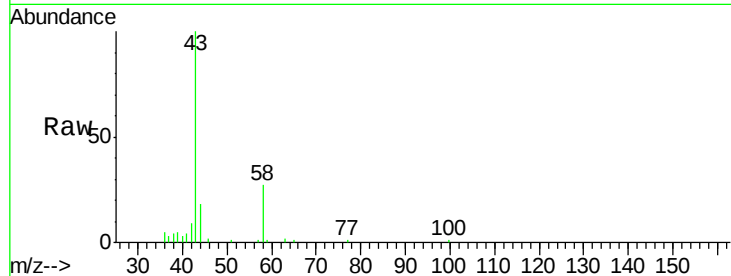
GAM74

Tot Ion: 43 Resp: 18382

Ion Ratio Lower Upper

43 100

58 27.7 0.0 51.8



#17

Methyl tert-butyl Ether

Concen: 0.211 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

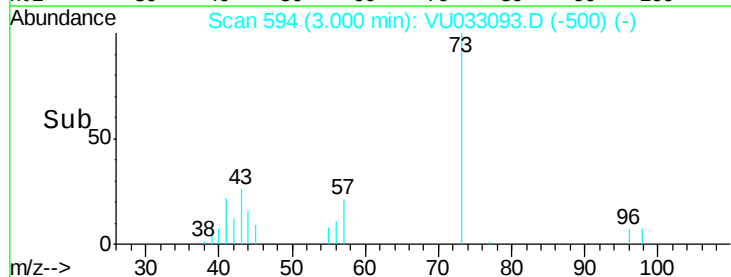
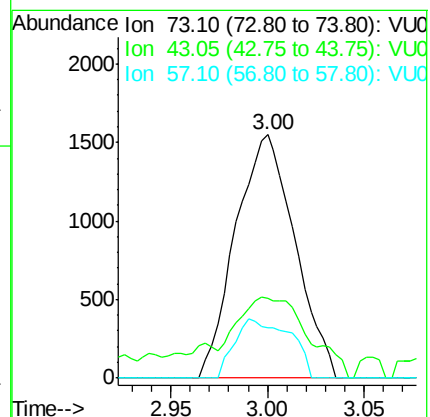
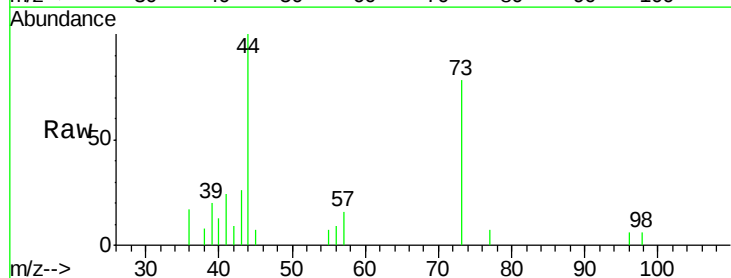
Tgt Ion: 73 Resp: 3300

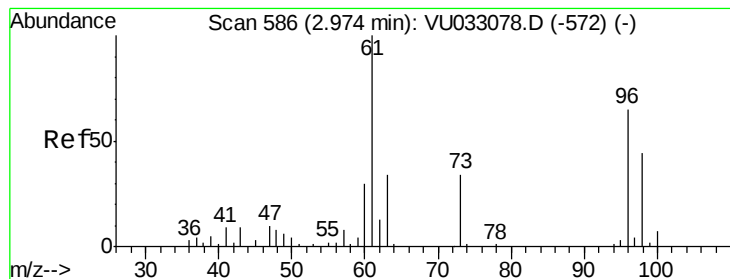
Ion Ratio Lower Upper

73 100

43 40.2 20.2 30.2#

57 22.5 18.5 27.7





#18

trans-1,2-Dichloroethene

Concen: 0.158 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.00 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

GAM74

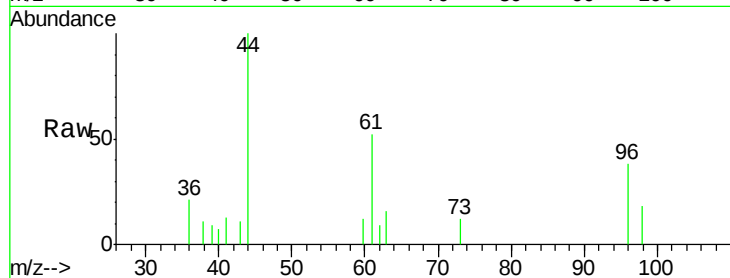
Tot Ion: 96 Resp: 968

Ion Ratio Lower Upper

96 100

61 138.3 112.2 208.4

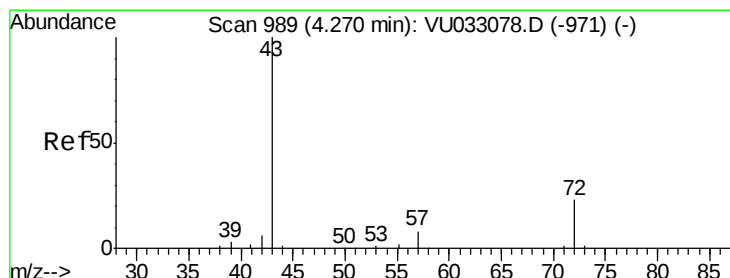
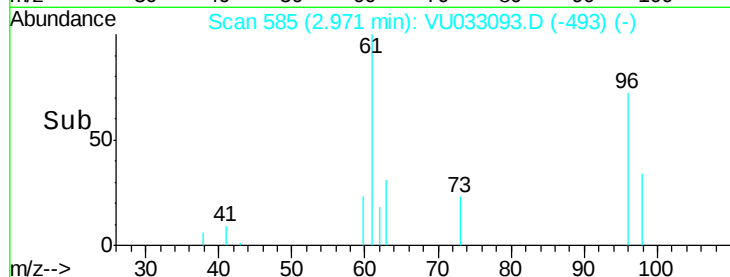
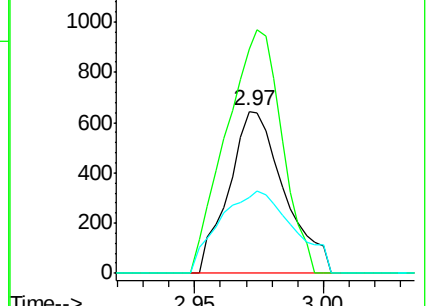
98 47.0 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU033093.D (-493) (-)

Ion 61.05 (60.75 to 61.75): VU033093.D (-493) (-)

Ion 97.95 (97.65 to 98.65): VU033093.D (-493) (-)



#21

2-Butanone

Concen: 5.424 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VU033093.D

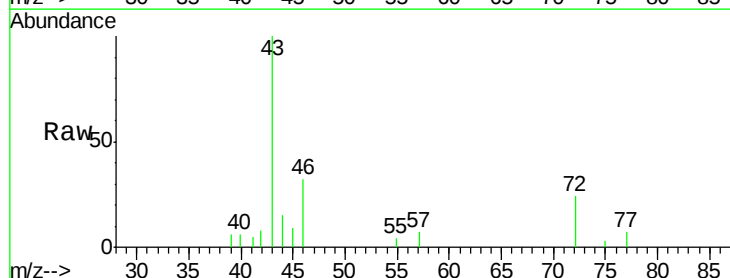
Acq: 29 Jun 2019 00:21

Tgt Ion: 43 Resp: 10912

Ion Ratio Lower Upper

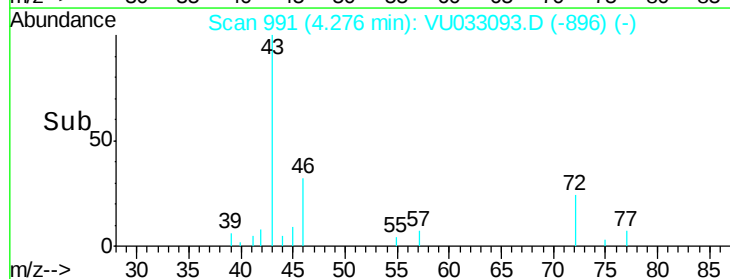
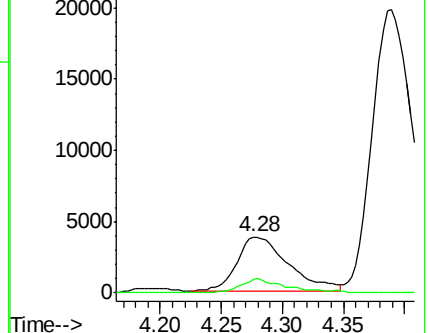
43 100

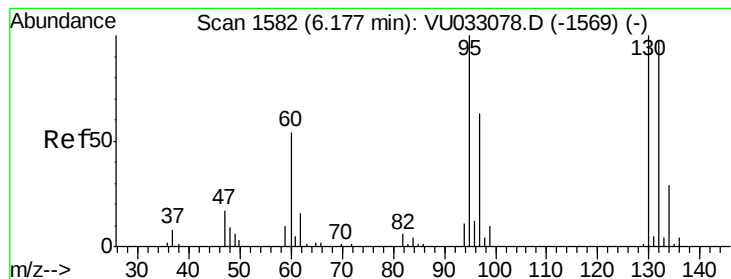
72 22.8 11.5 34.5



Abundance Ion 43.05 (42.75 to 43.75): VU033093.D (-896) (-)

Ion 72.10 (71.80 to 72.80): VU033093.D (-896) (-)





#34

Trichloroethene

Concen: 3.261 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

GAM74

Tot Ion: 95 Resp: 23497

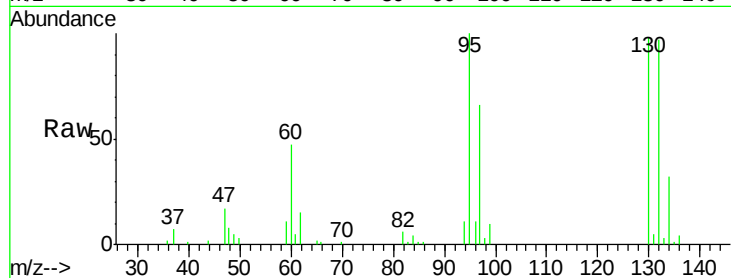
Ion Ratio Lower Upper

95 100

97 65.5 46.0 85.4

132 97.2 68.6 127.4

130 97.6 71.1 132.1

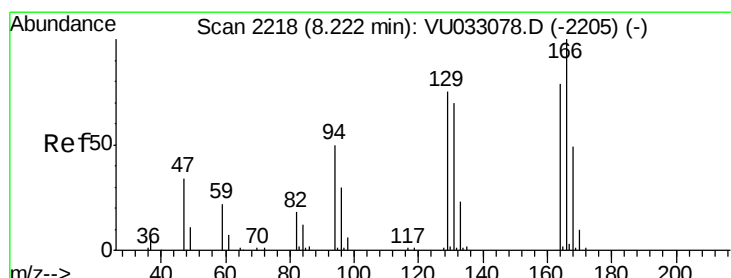
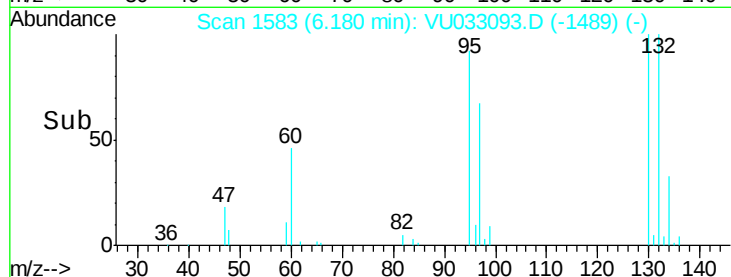
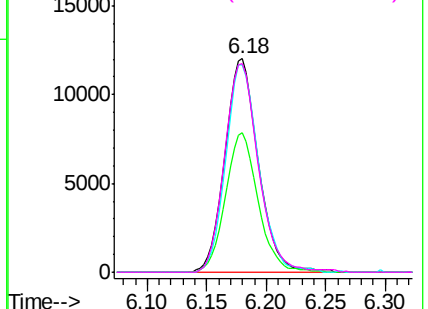


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 172.289 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Tgt Ion:164 Resp: 998714

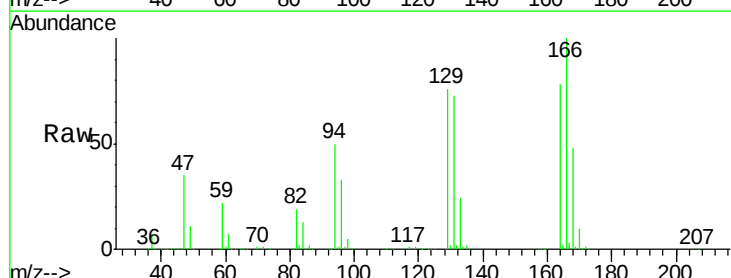
Ion Ratio Lower Upper

164 100

129 96.5 64.9 120.5

131 93.4 63.5 117.9

166 127.5 89.1 165.5



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

