

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062919\
 Data File : VU033084.D
 Acq On : 28 Jun 2019 20:43
 Operator : JC/SP
 Sample : K3597-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAM64

Quant Time: Jun 29 01:22:44 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	83336	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	84886	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	40629	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	18024	3.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.00%
7) Chloroethane-d5	1.68	69	17311	3.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.40%
11) 1,1-Dichloroethene-d2	2.27	63	30962	2.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.40%#
20) 2-Butanone-d5	4.19	46	83633	49.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	4.64	84	47583	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.31	65	28766	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.33	84	82151	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.20%
36) 1,2-Dichloropropane-d6	6.32	67	28897	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.56	98	69620	3.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.80%#
43) trans-1,3-Dichloropropene-	7.85	79	10442	3.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.00%
46) 2-Hexanone-d5	8.31	63	52076	43.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25808	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	32393	4.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.20%

Target Compounds

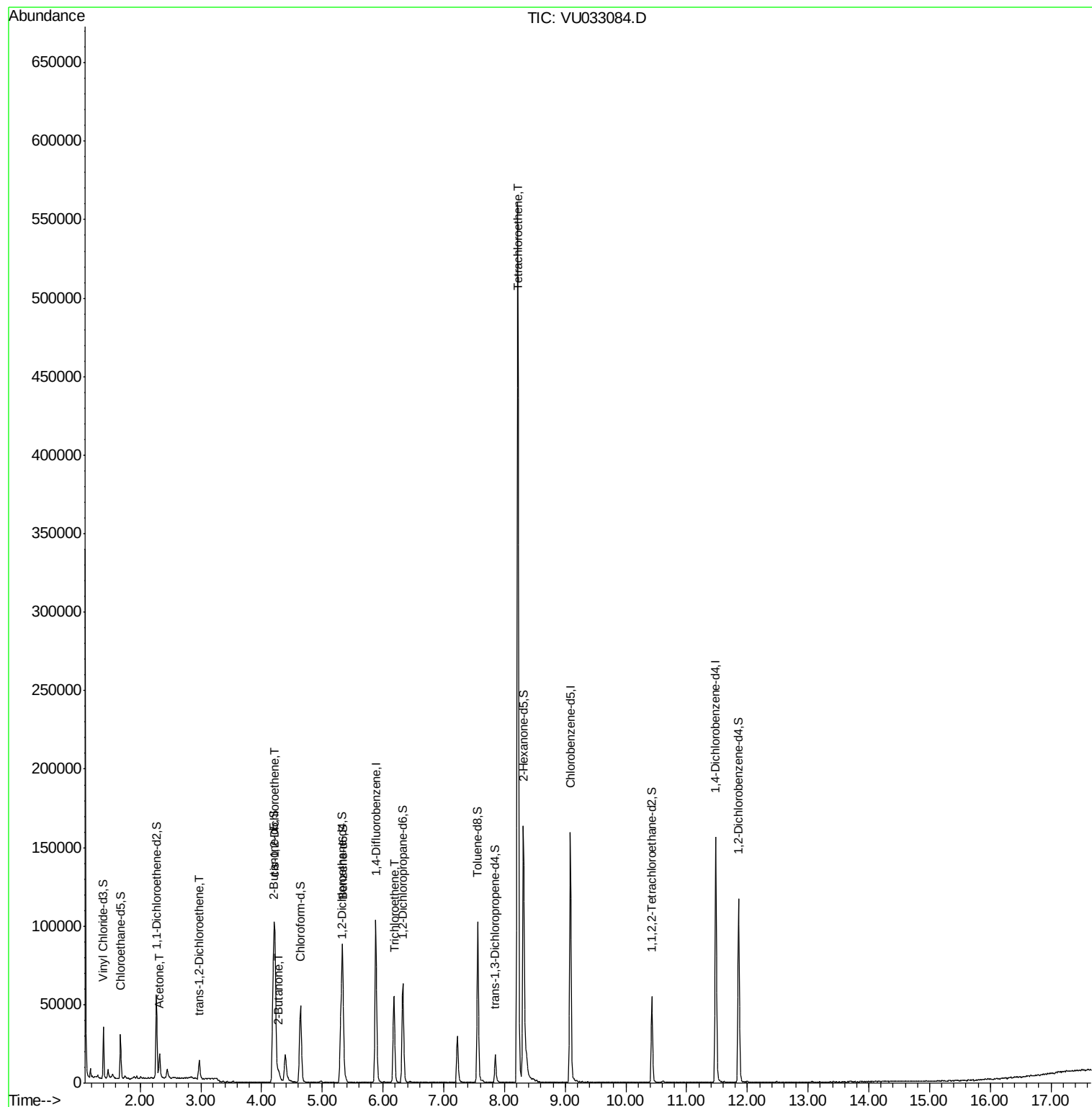
					Ovalue
13) Acetone	2.32	43	17768	12.520	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	4102	0.676	ug/L 85
21) 2-Butanone	4.28	43	8160	4.085	ug/L 95
22) cis-1,2-Dichloroethene	4.22	96	44566	6.757	ug/L 99
34) Trichloroethene	6.18	95	17970	2.622	ug/L 100
47) Tetrachloroethene	8.22	164	121378	22.016	ug/L 98

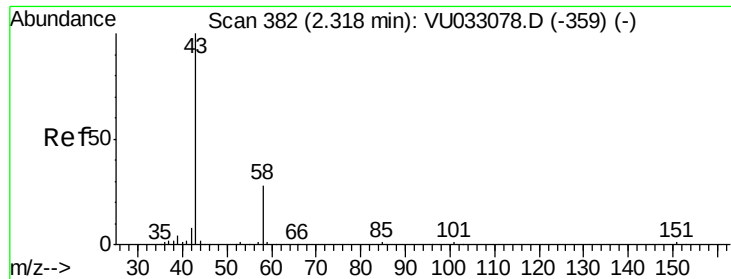
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 12.520 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033084.D

Acq: 28 Jun 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

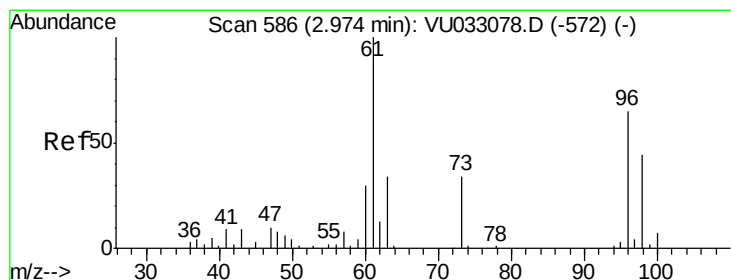
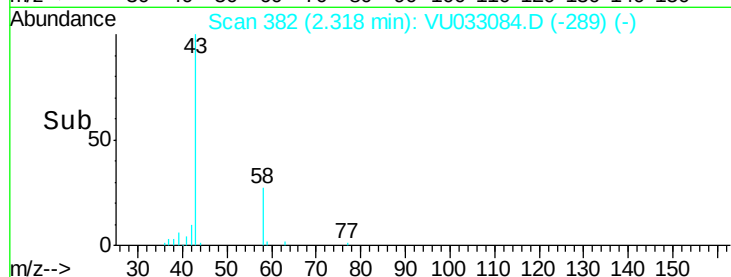
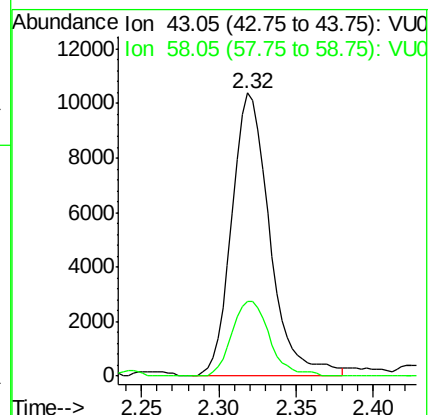
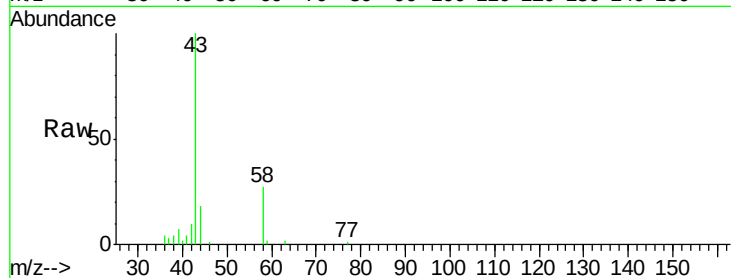
GAM64

Tot Ion: 43 Resp: 17768

Ion Ratio Lower Upper

43 100

58 26.2 0.0 51.8



#18

trans-1,2-Dichloroethene

Concen: 0.676 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU033084.D

Acq: 28 Jun 2019 20:43

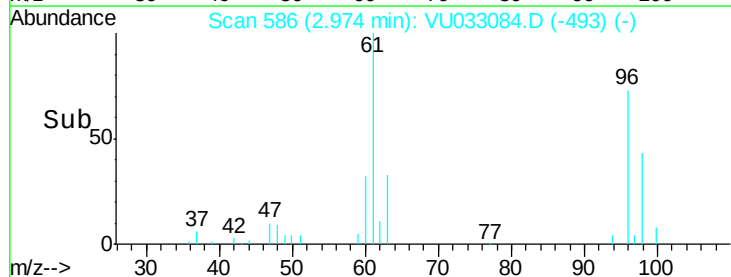
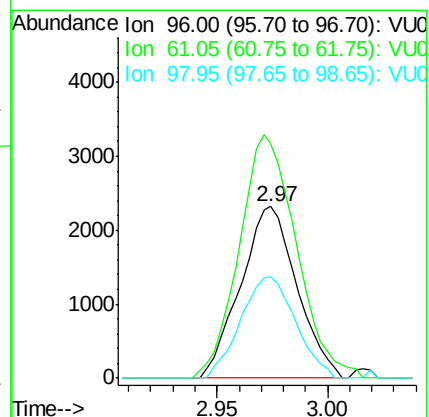
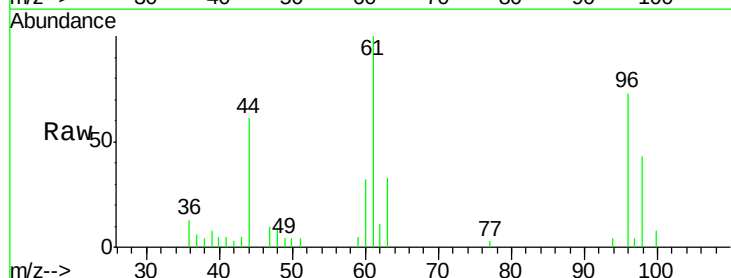
Tgt Ion: 96 Resp: 4102

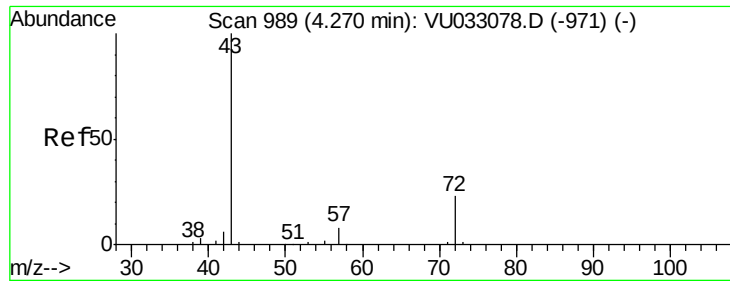
Ion Ratio Lower Upper

96 100

61 137.0 112.2 208.4

98 59.5 45.4 84.4





#21

2-Butanone

Concen: 4.085 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VU033084.D

Acq: 28 Jun 2019 20:43

Instrument :

MSVOA_U

ClientSampled :

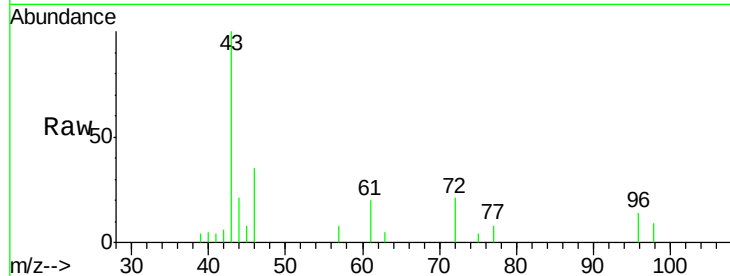
GAM64

Tot Ion: 43 Resp: 8160

Ion Ratio Lower Upper

43 100

72 20.7 11.5 34.5



Abundance Ion 43.05 (42.75 to 43.75): VU033078.D (-971) (-)

Ion 72.10 (71.80 to 72.80): VU033078.D (-971) (-)

12000

10000

8000

6000

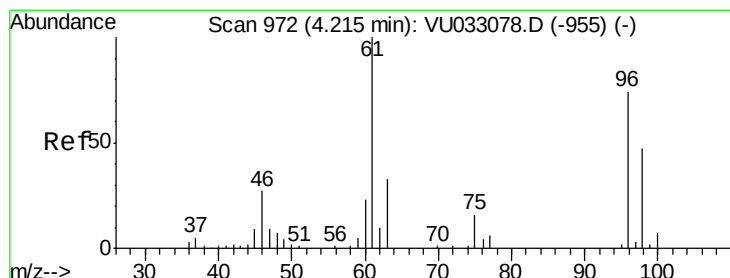
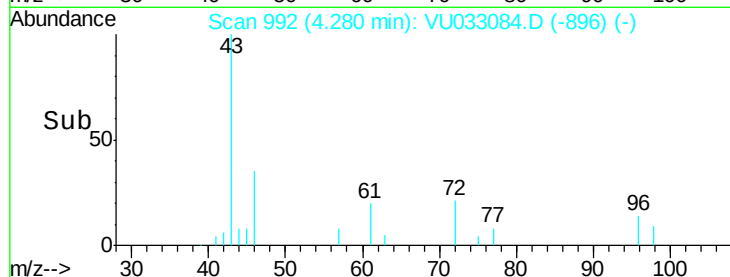
4000

2000

0

4.20 4.25 4.30 4.35

Time-->



#22

cis-1,2-Dichloroethene

Concen: 6.757 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033084.D

Acq: 28 Jun 2019 20:43

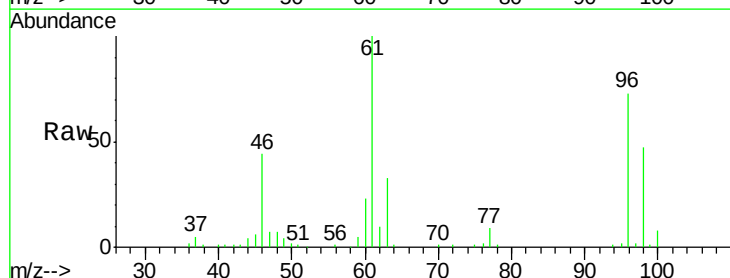
Tgt Ion: 96 Resp: 44566

Ion Ratio Lower Upper

96 100

61 137.0 94.6 175.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033078.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU033078.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU033078.D (-955) (-)

30000

25000

20000

15000

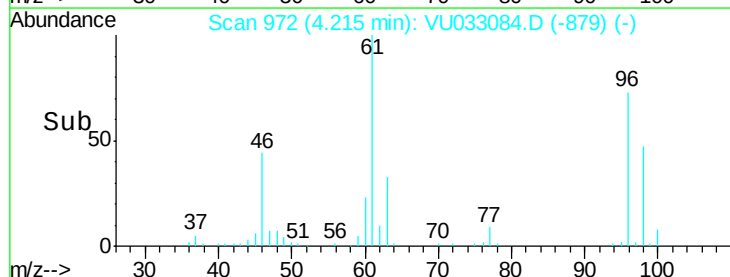
10000

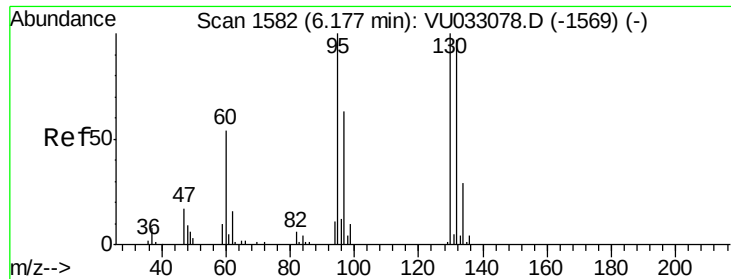
5000

0

4.10 4.20 4.30

Time-->





#34

Trichloroethene

Concen: 2.622 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU033084.D

Acq: 28 Jun 2019 20:43

Instrument :

MSVOA_U

ClientSampled :

GAM64

Tot Ion: 95 Resp: 17970

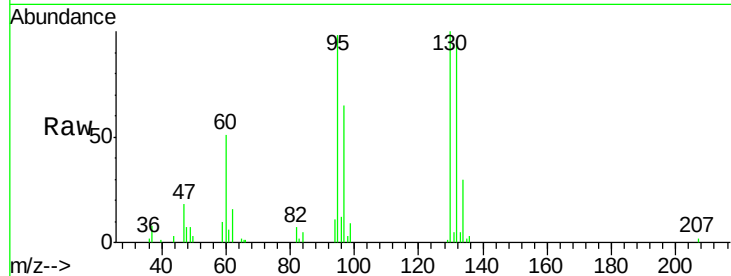
Ion Ratio Lower Upper

95 100

97 66.0 46.0 85.4

132 98.2 68.6 127.4

130 101.8 71.1 132.1

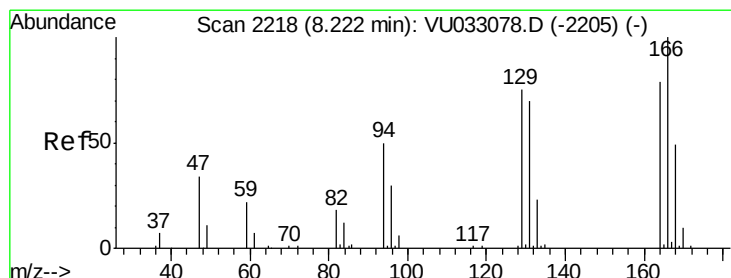
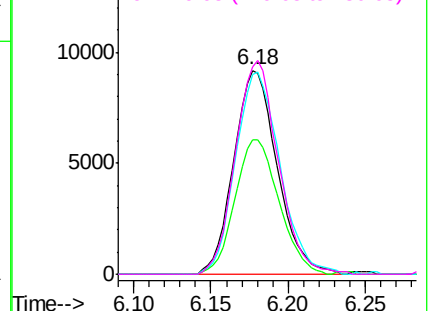
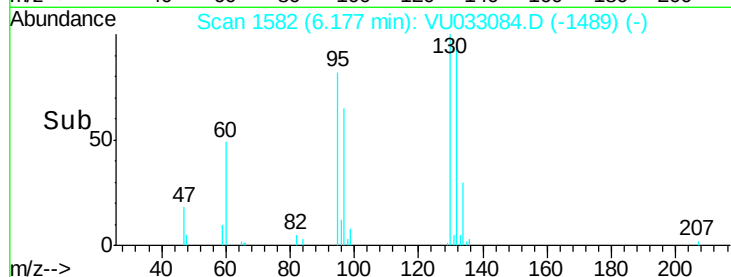


Abundance Ion 95.00 (94.70 to 95.70): VU033084.D (-1489) (-)

Ion 96.95 (96.65 to 97.65): VU033084.D (-1489) (-)

Ion 131.95 (131.65 to 132.65): VU033084.D (-1489) (-)

Ion 129.95 (129.65 to 130.65): VU033084.D (-1489) (-)



#47

Tetrachloroethene

Concen: 22.016 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU033084.D

Acq: 28 Jun 2019 20:43

Tgt Ion: 164 Resp: 121378

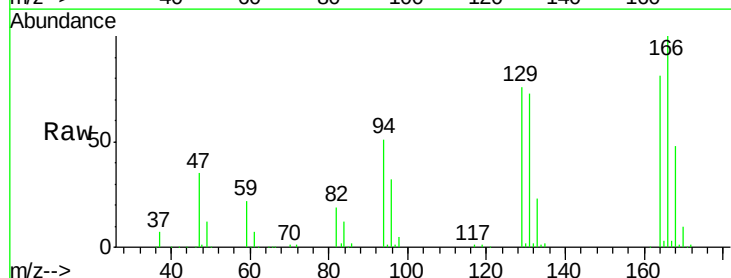
Ion Ratio Lower Upper

164 100

129 93.3 64.9 120.5

131 90.1 63.5 117.9

166 123.4 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VU033084.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VU033084.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VU033084.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VU033084.D (-2125) (-)

