

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090819\
 Data File : VU034382.D
 Acq On : 07 Sep 2019 15:49
 Operator : JC/SP
 Sample : K4724-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDA6

Quant Time: Sep 09 05:30:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 03 14:18:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	293692	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	298274	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	140261	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78571	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.68	69	71158	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.26	63	113380	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.17	46	208669	45.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.34%
24) Chloroform-d	4.63	84	162670	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.29	65	79118	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.32	84	337262	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.31	67	110446	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.55	98	296053	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
43) trans-1,3-Dichloropropene-	7.83	79	35055	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.30	63	158912	42.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.38%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	83017	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	124309	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

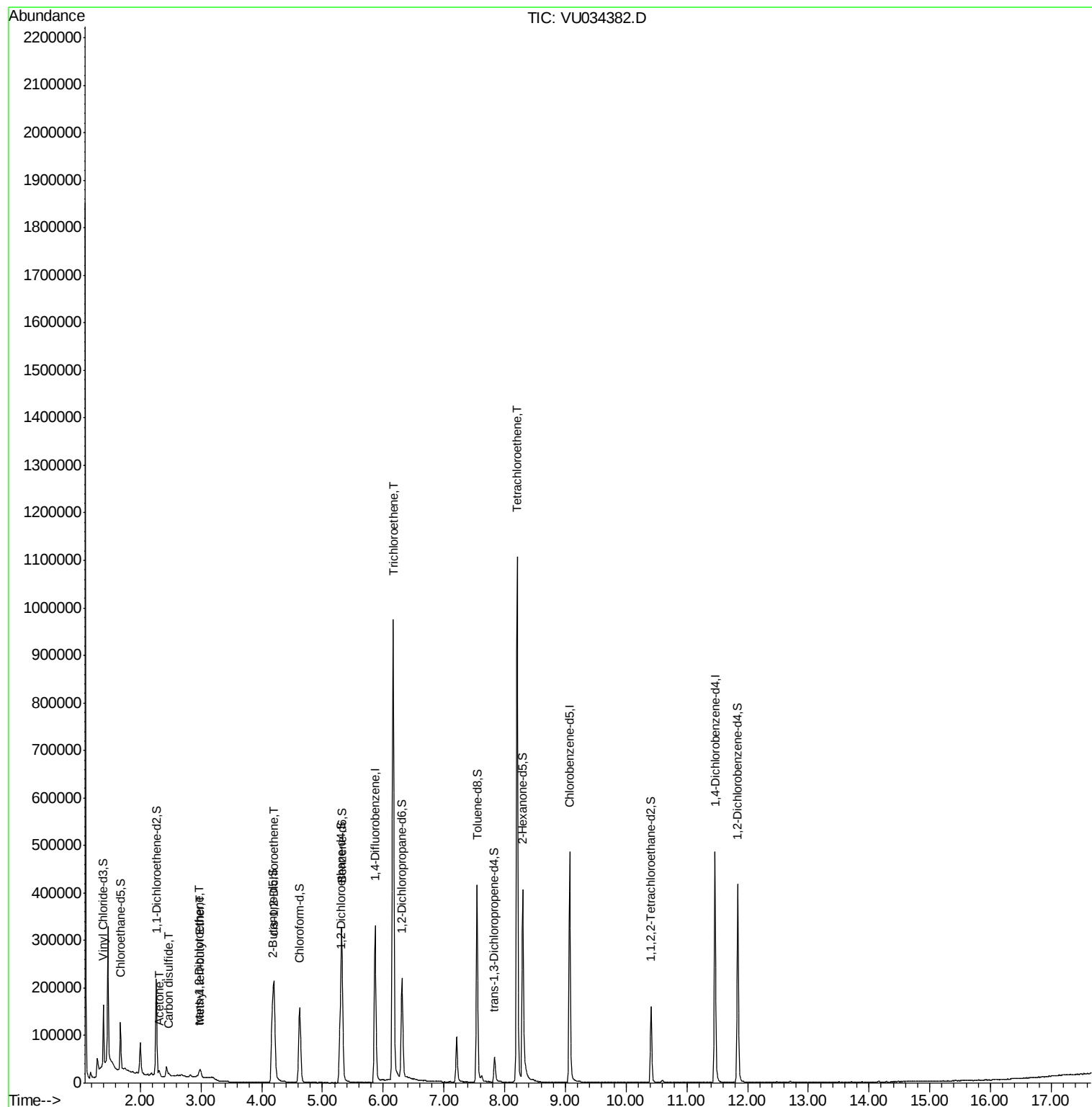
					Ovalue
13) Acetone	2.32	43	10835	3.542 ug/L	95
14) Carbon disulfide	2.47	76	11796	0.189 ug/L #	88
17) Methyl tert-butyl Ether	2.99	73	16234	0.357 ug/L	95
18) trans-1,2-Dichloroethene	2.96	96	2327	0.118 ug/L	83
22) cis-1,2-Dichloroethene	4.20	96	98698	4.443 ug/L	99
34) Trichloroethene	6.16	95	350865	15.090 ug/L	97
47) Tetrachloroethene	8.21	164	273487	14.311 ug/L	96

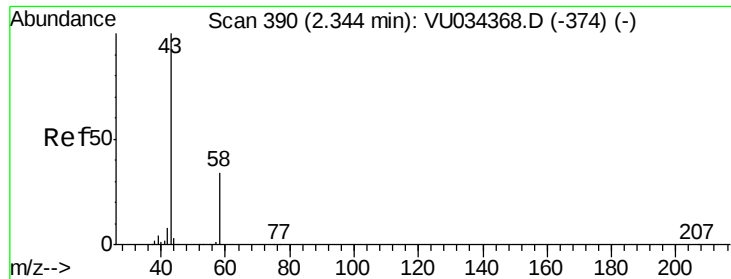
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.542 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU034382.D

Acq: 07 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

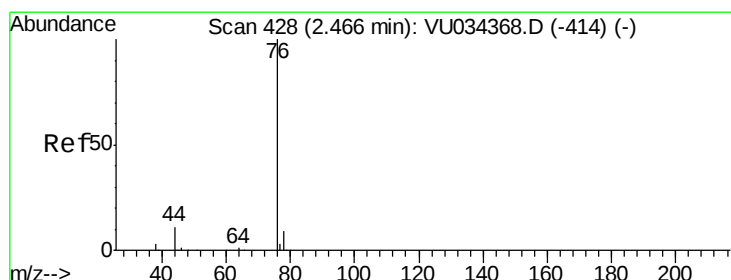
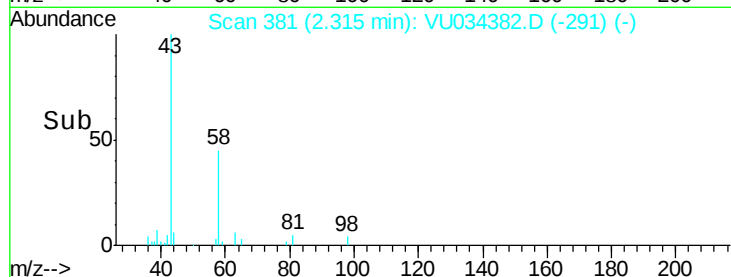
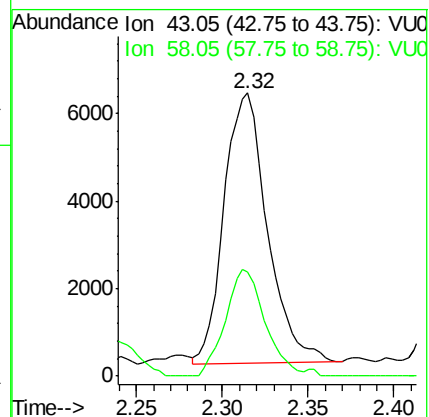
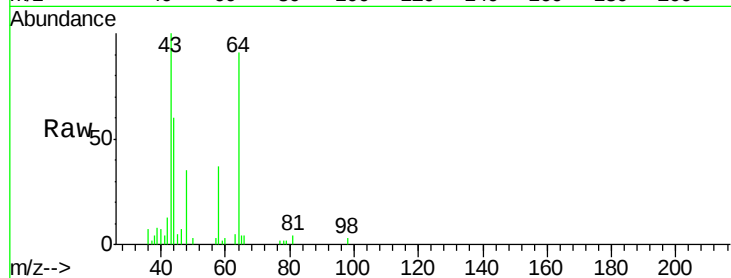
BFDA6

Tot Ion: 43 Resp: 10835

Ion Ratio Lower Upper

43 100

58 36.6 0.0 67.6



#14

Carbon disulfide

Concen: 0.189 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.01 min

Lab File: VU034382.D

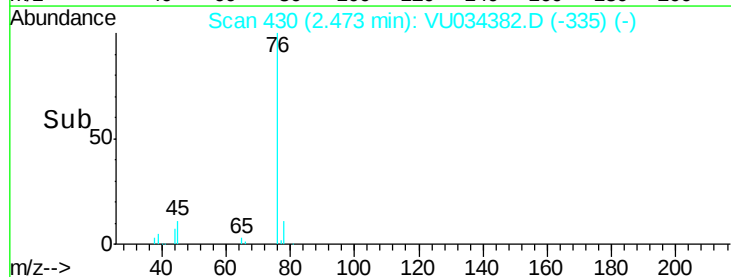
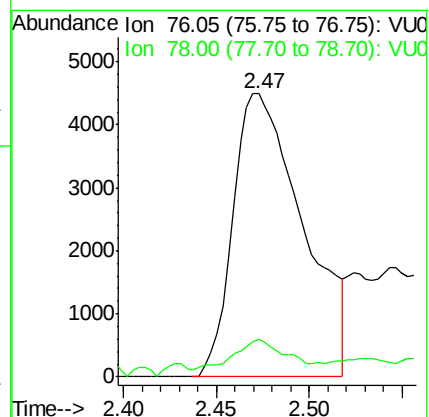
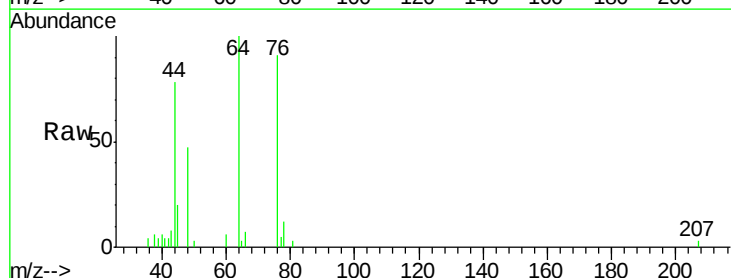
Acq: 07 Sep 2019 15:49

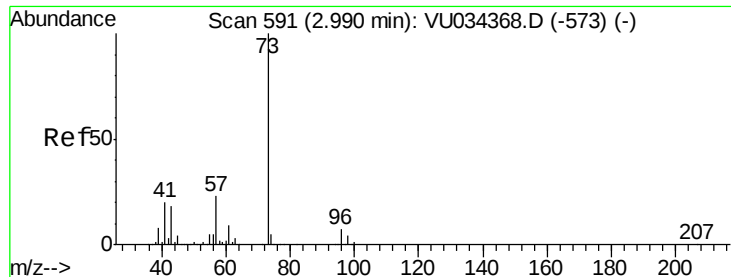
Tgt Ion: 76 Resp: 11796

Ion Ratio Lower Upper

76 100

78 13.3 7.1 10.7#

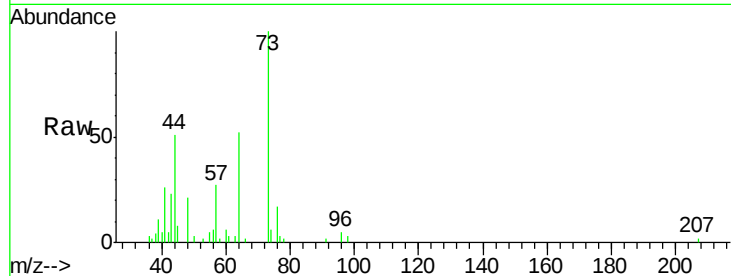




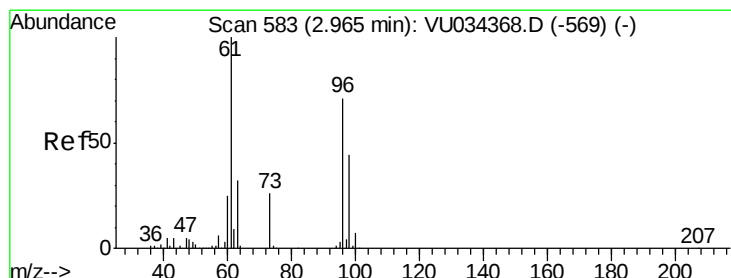
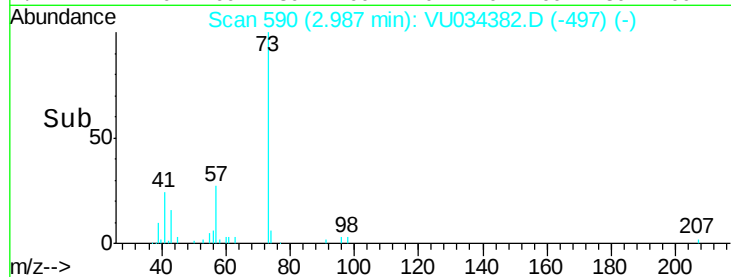
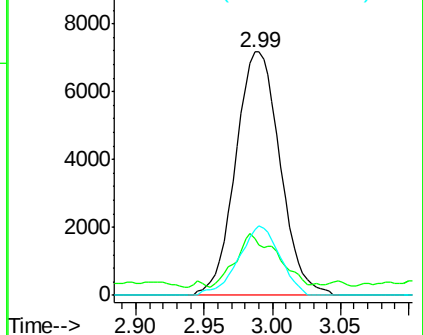
#17
Methvl tert-butvl Ether
Concen: 0.357 ug/L
RT: 2.99 min Scan# 590
Delta R.T. -0.00 min
Lab File: VU034382.D
Acq: 07 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
BFDA6

Tot Ion: 73 Resp: 16234
Ion Ratio Lower Upper
73 100
43 20.1 14.7 22.1
57 26.3 18.6 27.8

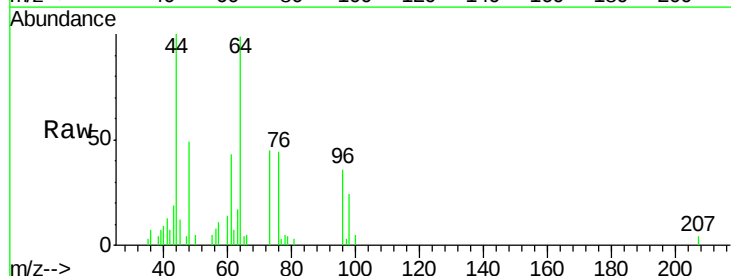


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

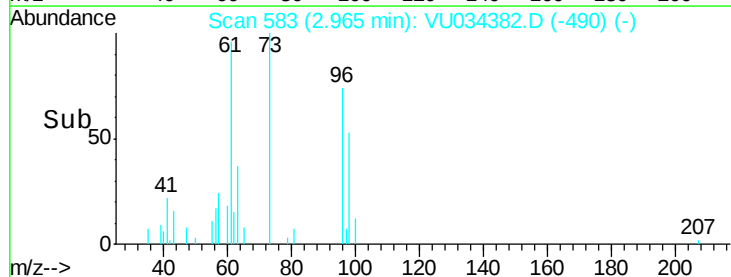
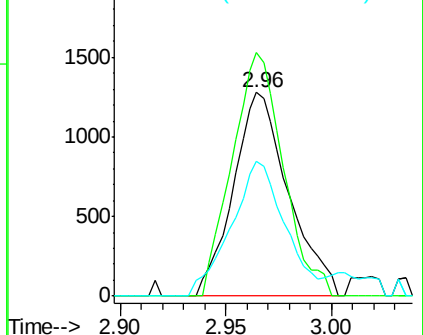


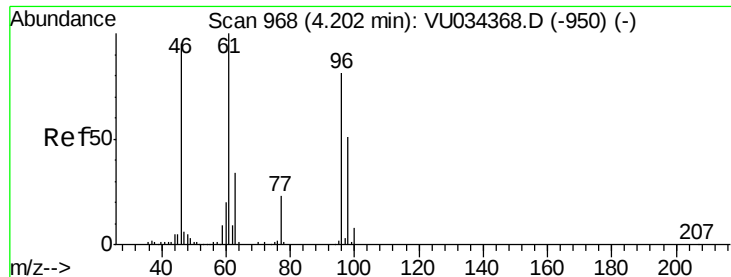
#18
trans-1,2-Dichloroethene
Concen: 0.118 ug/L
RT: 2.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU034382.D
Acq: 07 Sep 2019 15:49

Tgt Ion: 96 Resp: 2327
Ion Ratio Lower Upper
96 100
61 119.6 103.5 192.3
98 66.4 44.9 83.3



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





#22

cis-1,2-Dichloroethene

Concen: 4.443 ug/L

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034382.D

Acq: 07 Sep 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

BFDA6

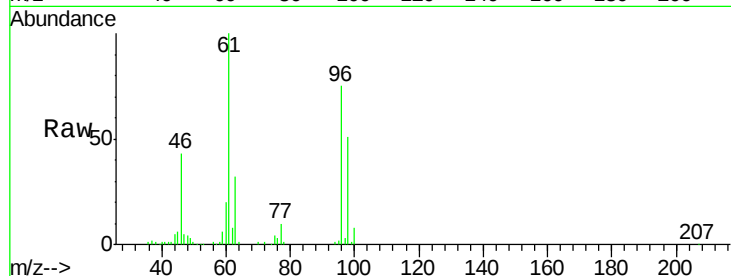
Tot Ion: 96 Resp: 98698

Ion Ratio Lower Upper

96 100

61 132.9 93.6 173.8

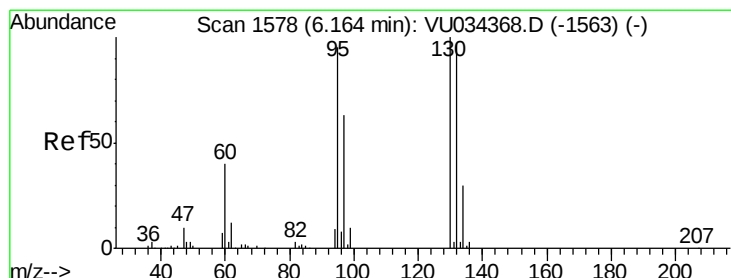
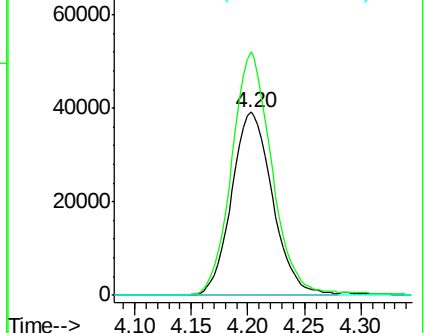
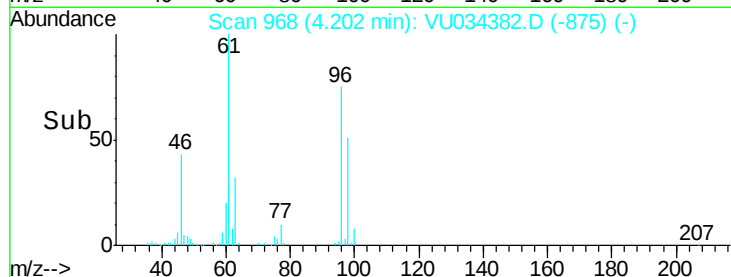
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034382.D (-875) (-)

Ion 61.05 (60.75 to 61.75): VU034382.D (-875) (-)

Ion 68.15 (67.85 to 68.85): VU034382.D (-875) (-)



#34

Trichloroethene

Concen: 15.090 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034382.D

Acq: 07 Sep 2019 15:49

Tgt Ion: 95 Resp: 350865

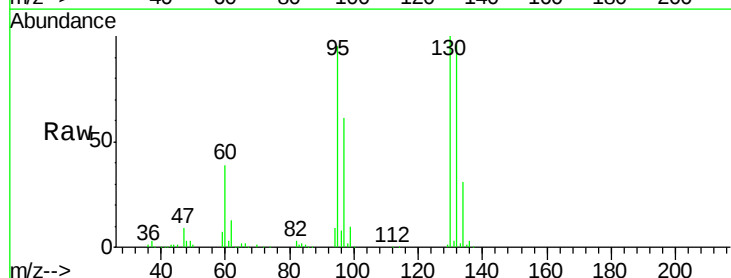
Ion Ratio Lower Upper

95 100

97 64.2 43.3 80.5

132 100.8 68.6 127.4

130 104.9 70.5 130.9

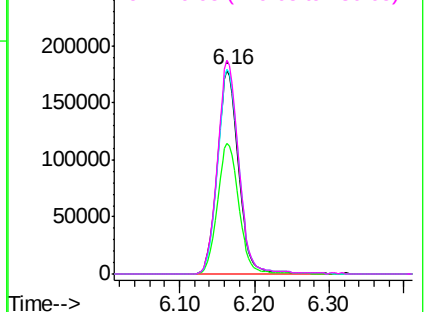
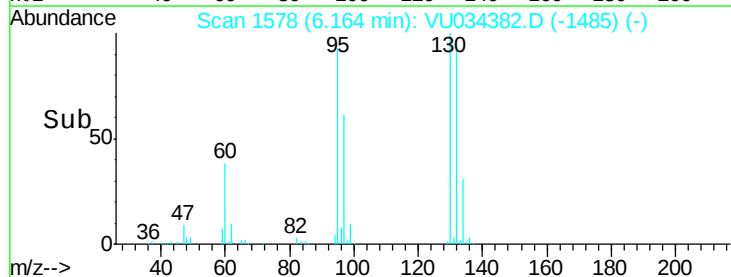


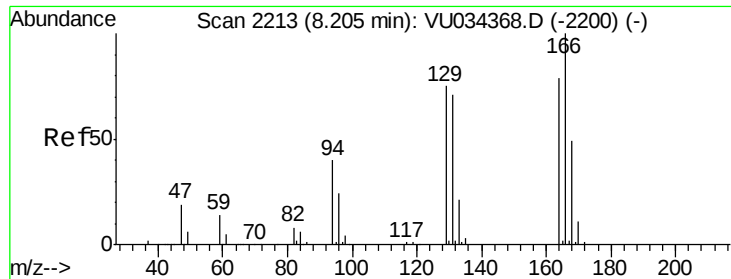
Abundance Ion 95.00 (94.70 to 95.70): VU034382.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU034382.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU034382.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU034382.D (-1485) (-)





#47

Tetrachloroethene

Concen: 14.311 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034382.D

Acq: 07 Sep 2019 15:49

Instrument :
MSVOA_U
ClientSampleId :
BFDA6

Tot Ion:164 Resp: 273487

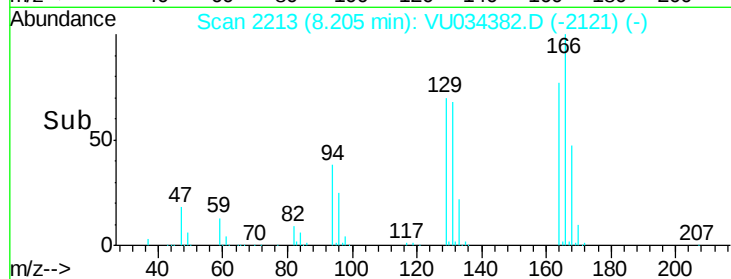
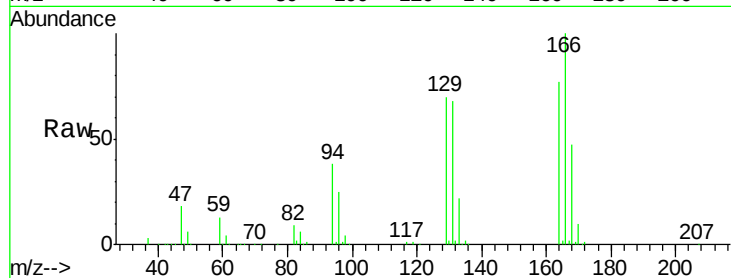
Ion Ratio Lower Upper

164 100

129 91.4 68.0 126.2

131 88.1 64.6 120.0

166 129.8 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

