

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036096.D
 Acq On : 10 Dec 2019 20:25
 Operator : JC/MD
 Sample : K6168-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE51

Quant Time: Dec 11 08:14:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 06:27:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	281277	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	321563	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	83638	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	133751	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.93	69	128402	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.59	63	144721	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.69	46	240155	56.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.44%
24) Chloroform-d	5.11	84	196656	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.75	65	113517	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.77	84	412225	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.73	67	133657	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.93	98	338434	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.21	79	47415	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.70	63	201003	54.30	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.60%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	118725	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	86596	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

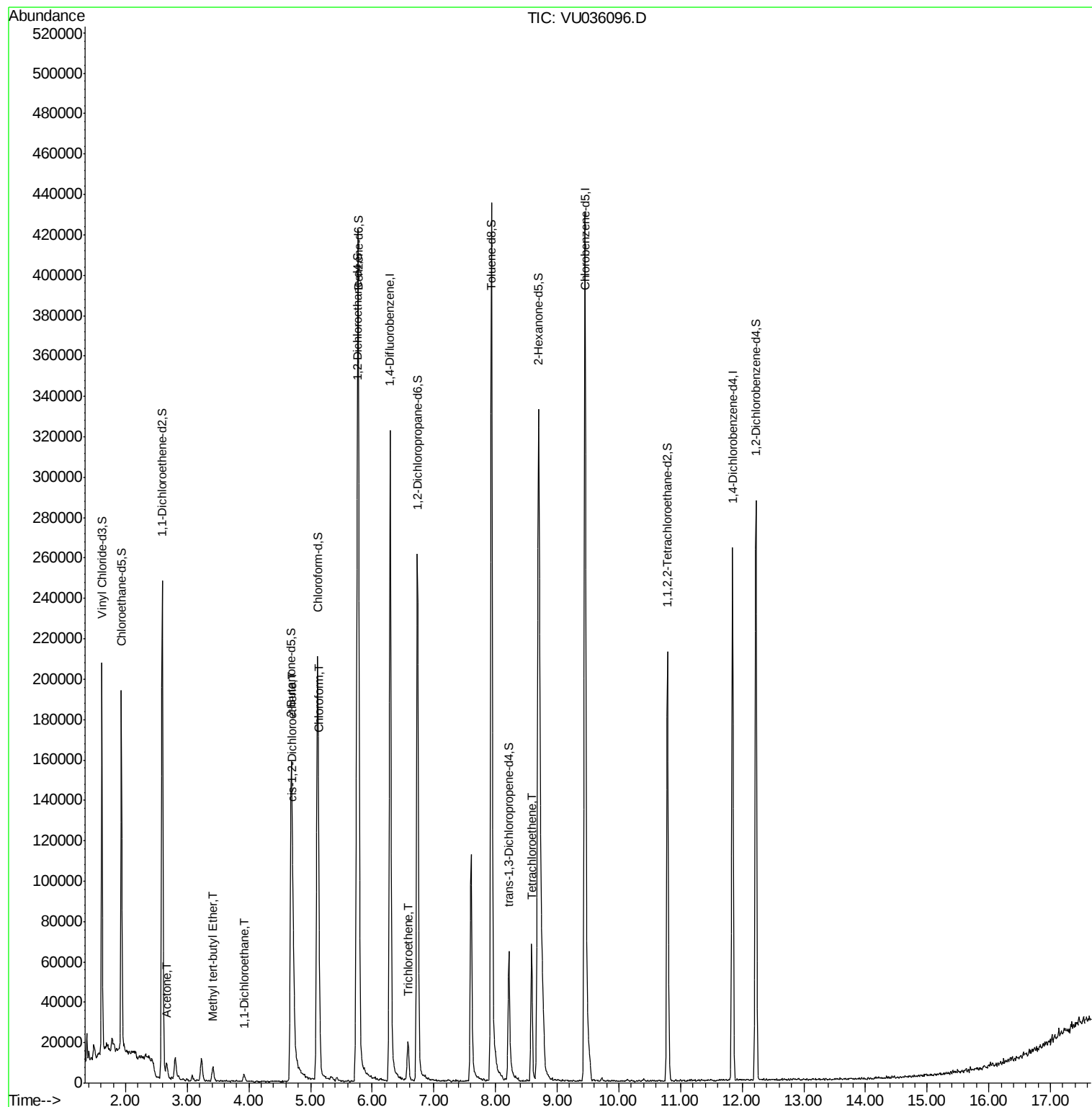
					Ovalue
13) Acetone	2.67	43	8839	1.630 ug/L	89
17) Methyl tert-butyl Ether	3.42	73	7520	0.178 ug/L	99
19) 1,1-Dichloroethane	3.92	63	4169	0.111 ug/L	87
22) cis-1,2-Dichloroethene	4.72	96	20288	0.925 ug/L	98
25) Chloroform	5.14	83	35048	0.839 ug/L	97
34) Trichloroethene	6.58	95	6325	0.271 ug/L	87
47) Tetrachloroethene	8.58	164	17396	0.784 ug/L	93

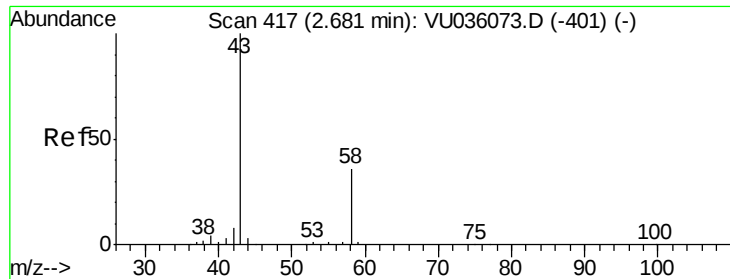
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.630 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU036096.D

Acq: 10 Dec 2019 20:25

Instrument :

MSVOA_U

ClientSampleId :

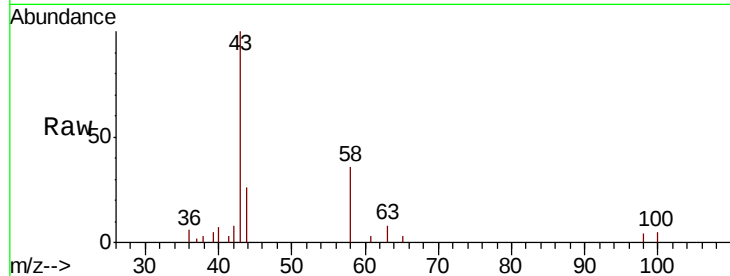
BF51

Tot Ion: 43 Resp: 8839

Ion Ratio Lower Upper

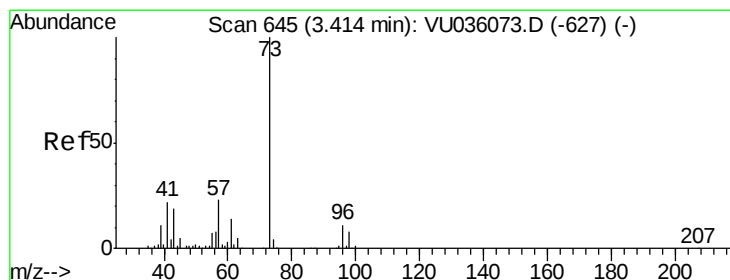
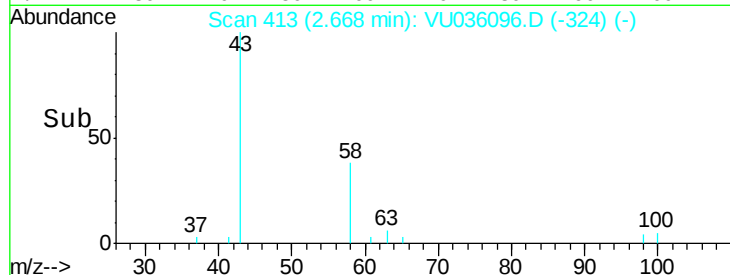
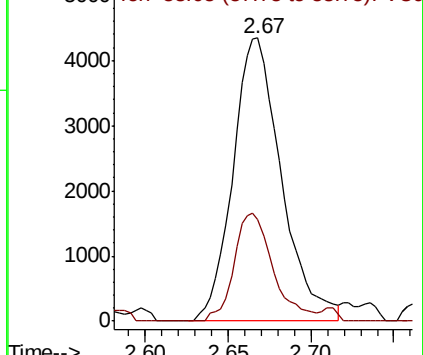
43 100

58 30.7 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036096.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036096.D (-324) (-)



#17

Methyl tert-butyl Ether

Concen: 0.178 ug/L

RT: 3.42 min Scan# 648

Delta R.T. 0.01 min

Lab File: VU036096.D

Acq: 10 Dec 2019 20:25

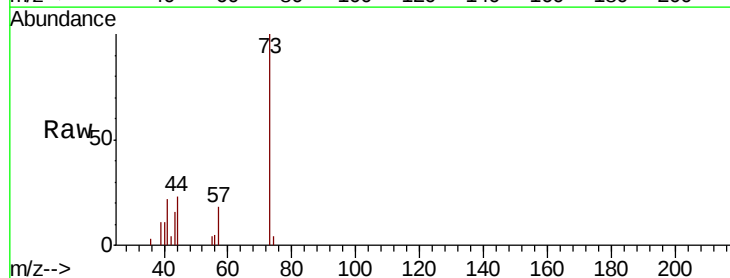
Tgt Ion: 73 Resp: 7520

Ion Ratio Lower Upper

73 100

43 19.1 15.6 23.4

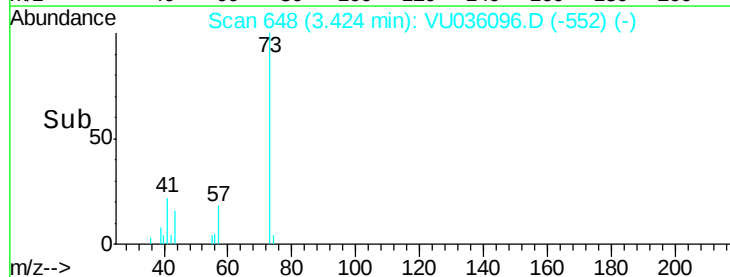
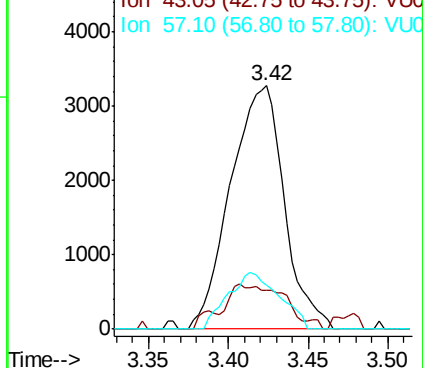
57 22.2 17.4 26.2

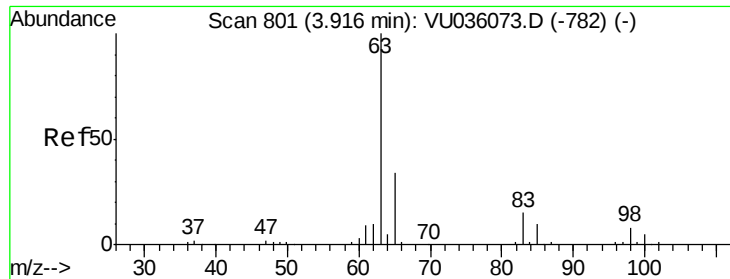


Abundance Ion 73.10 (72.80 to 73.80): VU036096.D (-552) (-)

Ion 43.05 (42.75 to 43.75): VU036096.D (-552) (-)

Ion 57.10 (56.80 to 57.80): VU036096.D (-552) (-)

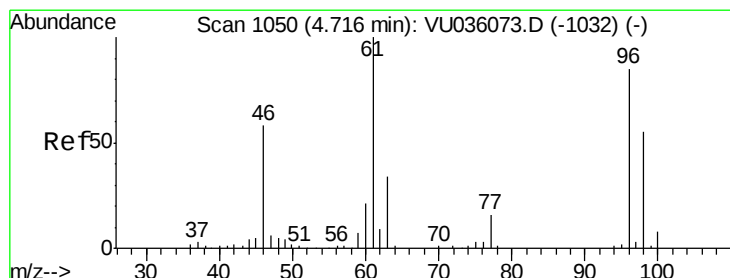
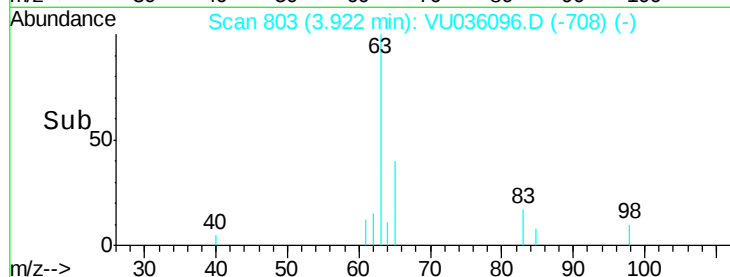
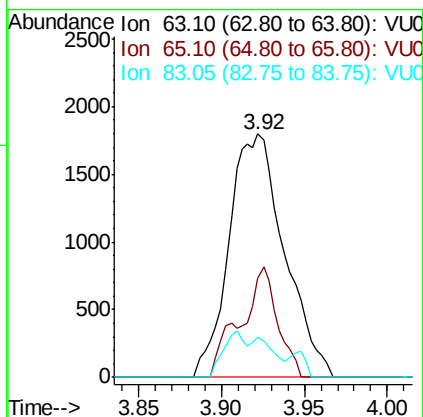
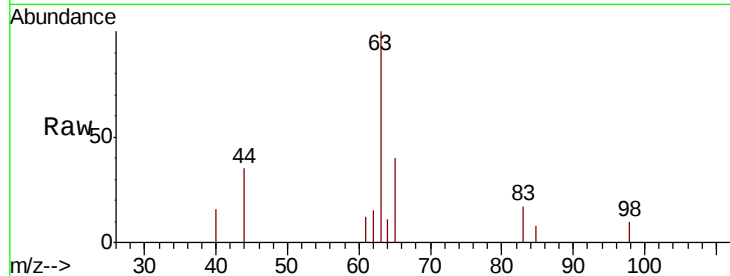




#19
 1,1-Dichloroethane
 Concen: 0.111 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU036096.D
 Acq: 10 Dec 2019 20:25

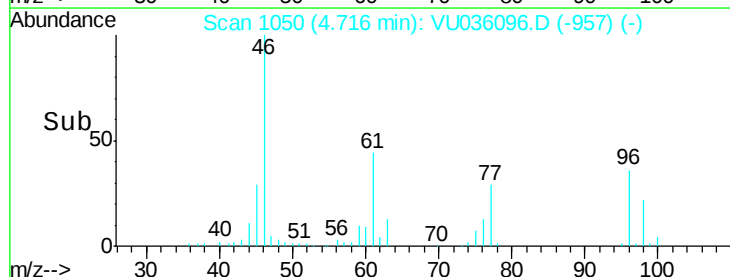
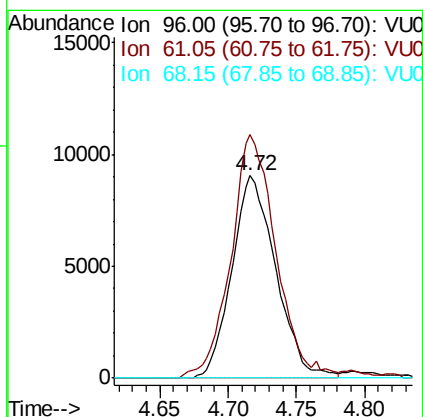
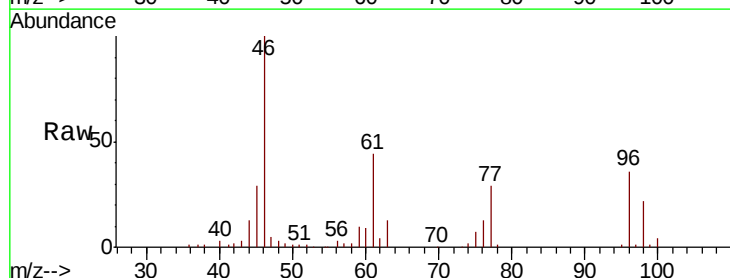
Instrument :
 MSVOA_U
 ClientSampleID :
 BFE51

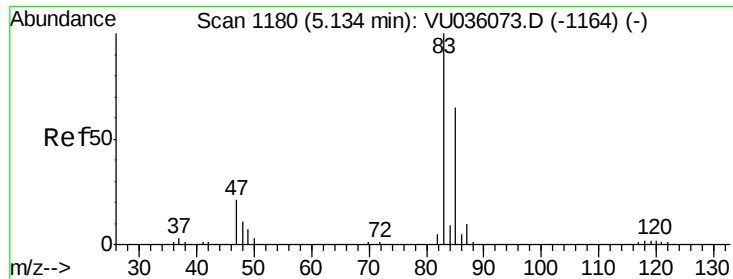
Tot Ion: 63 Resp: 4169
 Ion Ratio Lower Upper
 63 100
 65 40.4 21.8 40.4
 83 16.6 10.1 18.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.925 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU036096.D
 Acq: 10 Dec 2019 20:25

Tgt Ion: 96 Resp: 20288
 Ion Ratio Lower Upper
 96 100
 61 120.3 83.0 154.2
 68 0.0 0.0 0.0

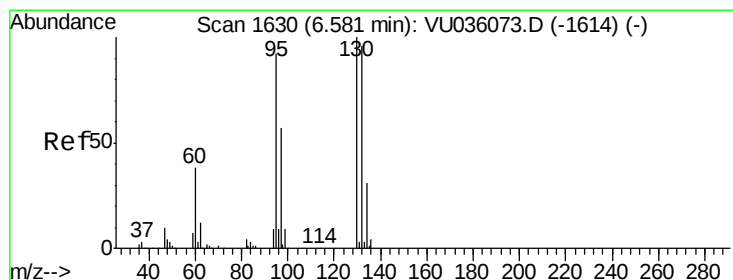
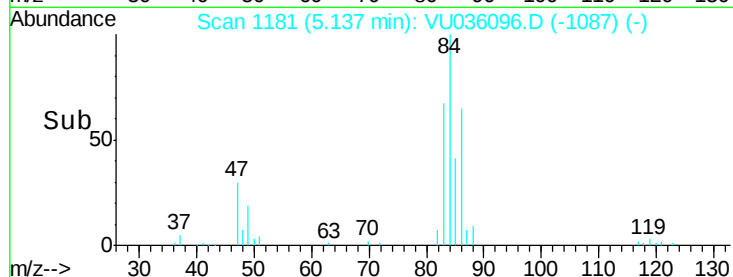
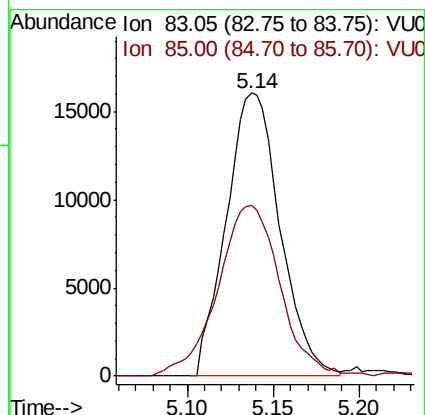
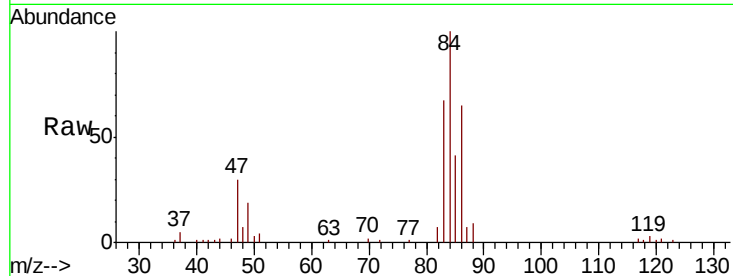




#25
Chloroform
Concen: 0.839 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036096.D
Acq: 10 Dec 2019 20:25

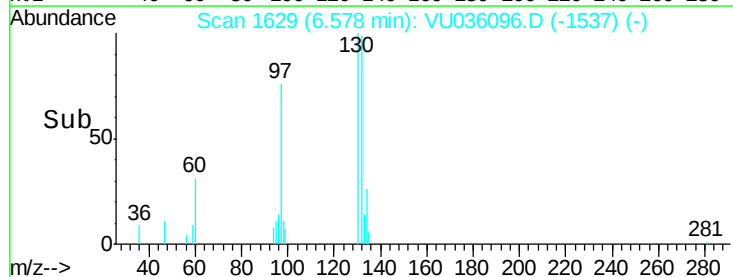
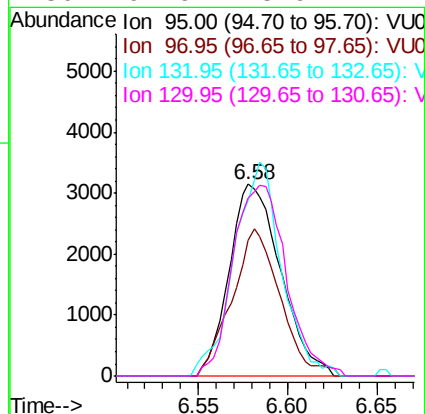
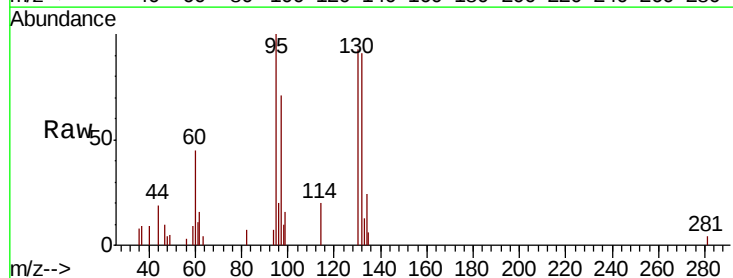
Instrument :
MSVOA_U
ClientSampleId :
BFE51

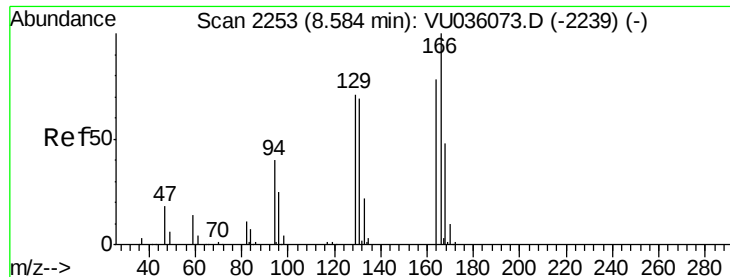
Tot Ion: 83 Resp: 35048
Ion Ratio Lower Upper
83 100
85 60.2 43.9 81.5



#34
Trichloroethene
Concen: 0.271 ug/L
RT: 6.58 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU036096.D
Acq: 10 Dec 2019 20:25

Tgt Ion: 95 Resp: 6325
Ion Ratio Lower Upper
95 100
97 70.7 44.4 82.4
132 91.4 73.4 136.4
130 92.6 75.9 141.1





#47

Tetrachloroethene

Concen: 0.784 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036096.D

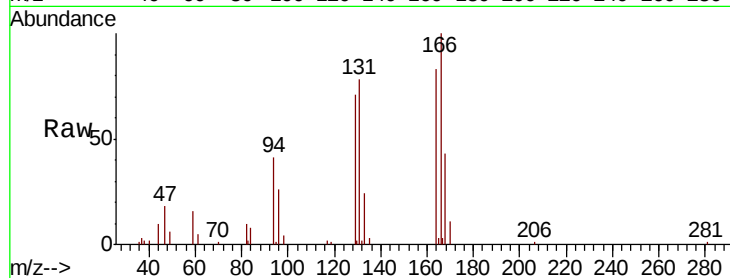
Acq: 10 Dec 2019 20:25

Instrument :

MSVOA_U

ClientSampleId :

BFE51



Tot Ion:164 Resp: 17396

Ion Ratio Lower Upper

164 100

129 85.3 63.1 117.3

131 94.3 61.5 114.1

166 120.4 91.0 169.0

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

