

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102419\
 Data File : VU035456.D
 Acq On : 24 Oct 2019 13:42
 Operator : JC/SP
 Sample : K5488-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G09

Quant Time: Oct 25 07:26:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 25 07:04:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	202064	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	213418	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	59066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	47325	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.93	69	50305	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.60	63	66021	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	4.70	46	210263	59.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.76%
24) Chloroform-d	5.11	84	108842	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.75	65	64586	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.77	84	198784	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	6.74	67	76516	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.93	98	154350	3.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.20%#
43) trans-1,3-Dichloropropene-	8.22	79	26837	3.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.40%
46) 2-Hexanone-d5	8.70	63	128603	38.78	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.56%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	72132	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	48499	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

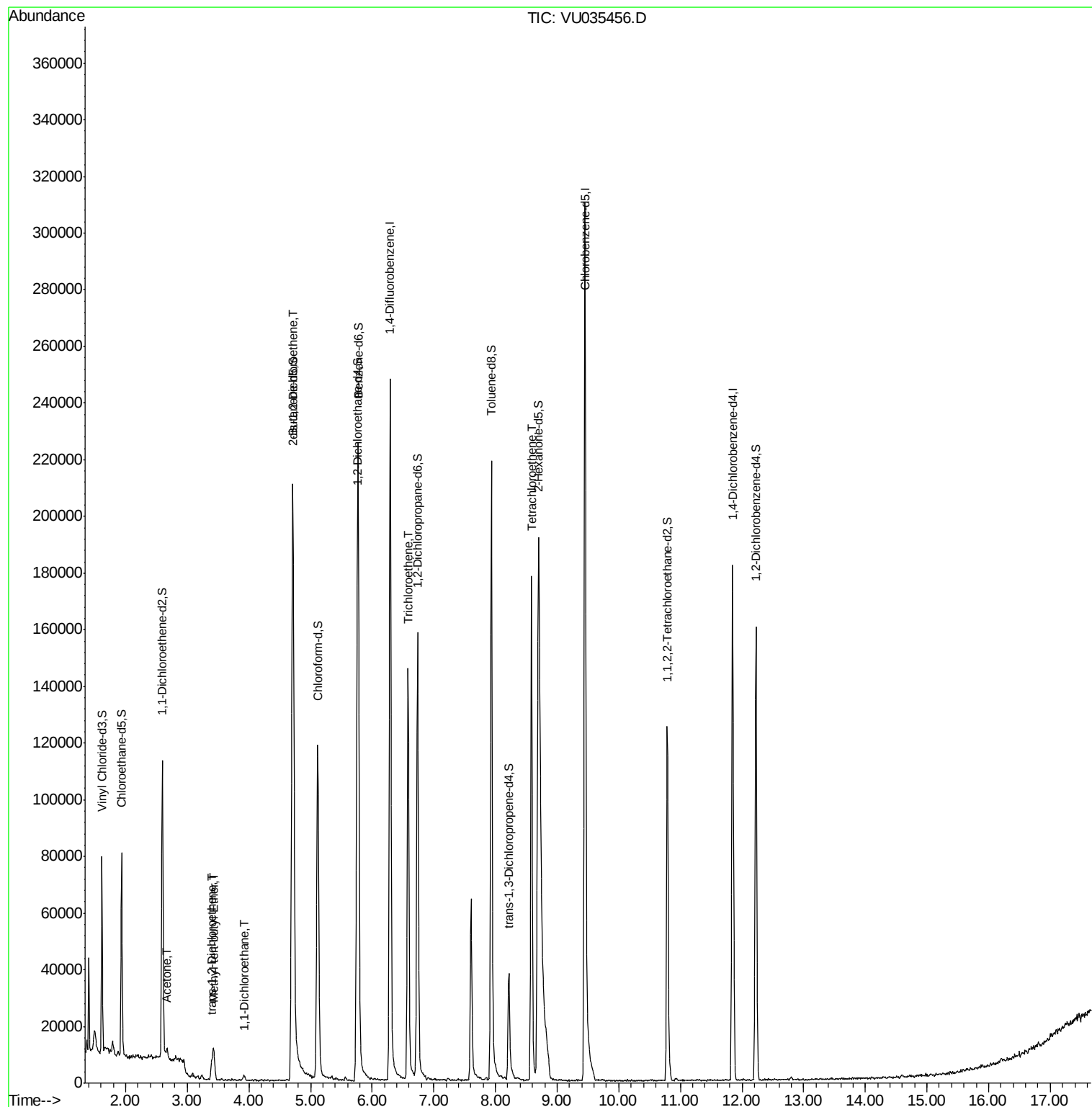
					Ovalue
13) Acetone	2.67	43	2970	1.206 ug/L	95
17) Methyl tert-butyl Ether	3.43	73	11765	0.337 ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	2391	0.171 ug/L	82
19) 1,1-Dichloroethane	3.92	63	2774	0.109 ug/L	# 89
22) cis-1,2-Dichloroethene	4.72	96	61508	3.972 ug/L	97
34) Trichloroethene	6.58	95	50408	2.986 ug/L	97
47) Tetrachloroethene	8.58	164	41596	2.958 ug/L	98

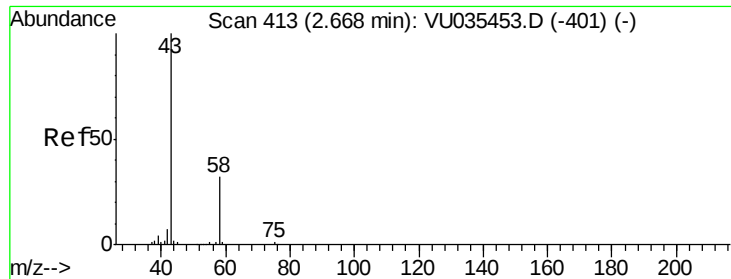
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.206 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

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MSVOA_U

ClientSampleId :

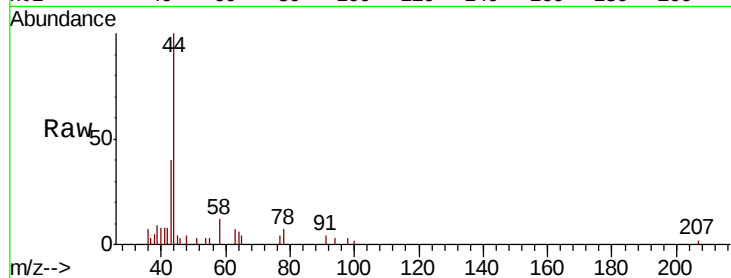
H0G09

Tot Ion: 43 Resp: 2970

Ion Ratio Lower Upper

43 100

58 33.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

2000

1500

1000

500

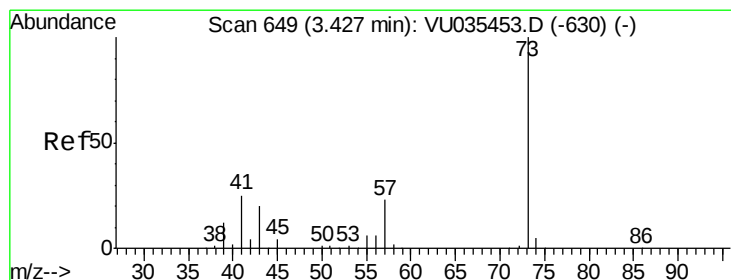
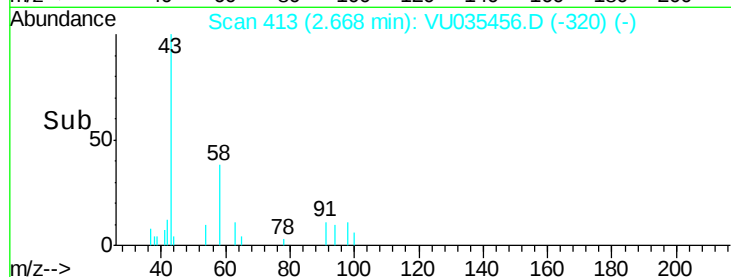
0

Time-->

2.60

2.65

2.70



#17

Methyl tert-butyl Ether

Concen: 0.337 ug/L

RT: 3.43 min Scan# 650

Delta R.T. 0.00 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

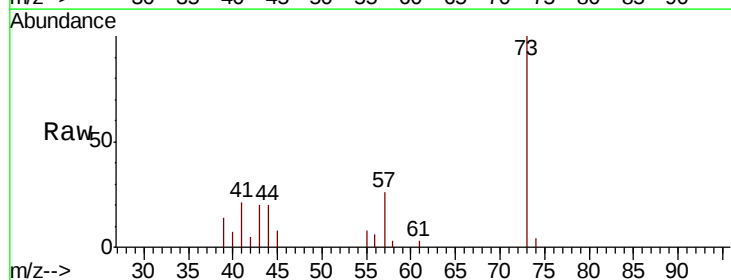
Tgt Ion: 73 Resp: 11765

Ion Ratio Lower Upper

73 100

43 22.6 16.0 24.0

57 23.3 17.4 26.2



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

3.43

6000

4000

2000

0

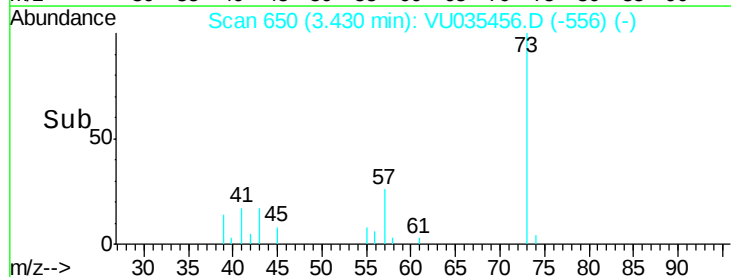
Time-->

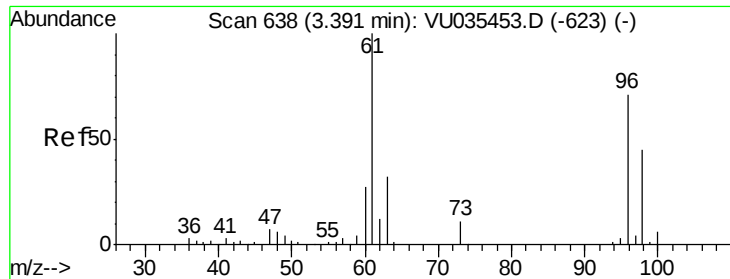
3.35

3.40

3.45

3.50

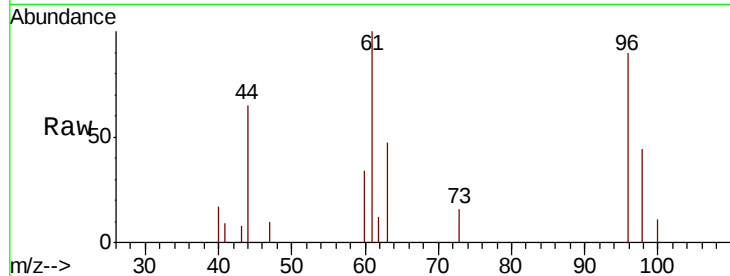




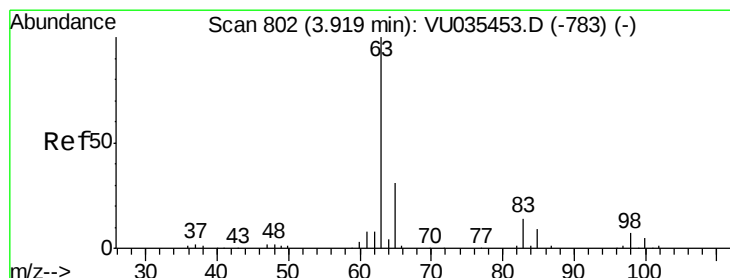
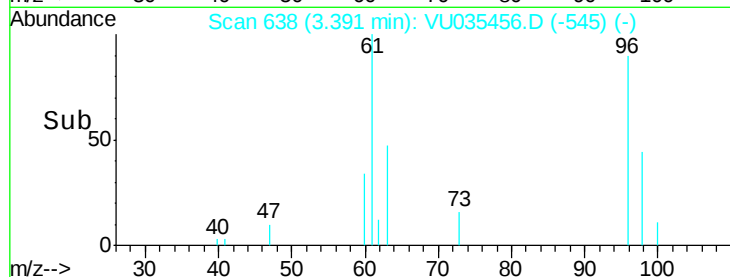
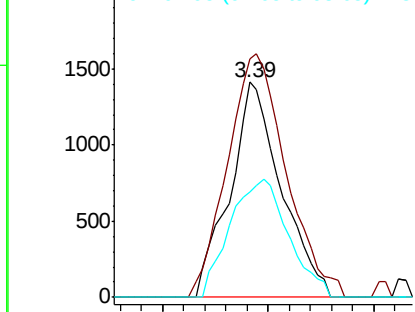
#18
trans-1,2-Dichloroethene
Concen: 0.171 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035456.D
Acq: 24 Oct 2019 13:42

Instrument :
MSVOA_U
ClientSampleId :
H0G09

Tot Ion: 96 Resp: 2391
Ion Ratio Lower Upper
96 100
61 111.0 93.0 172.6
98 49.3 43.7 81.1

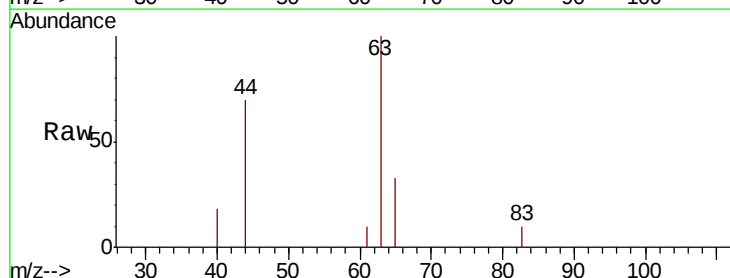


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

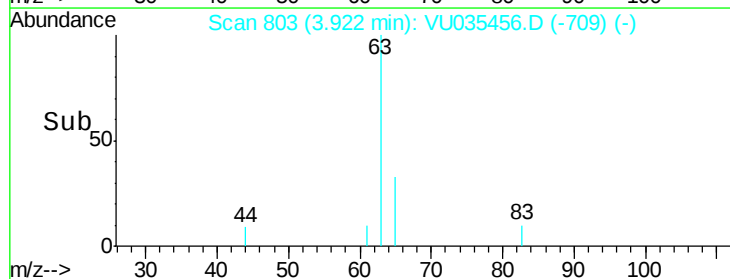
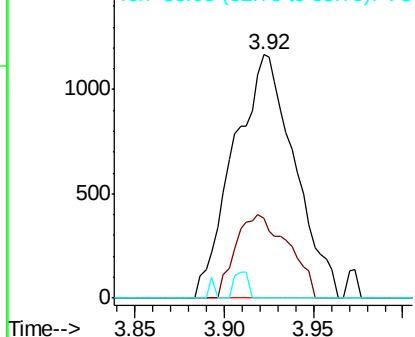


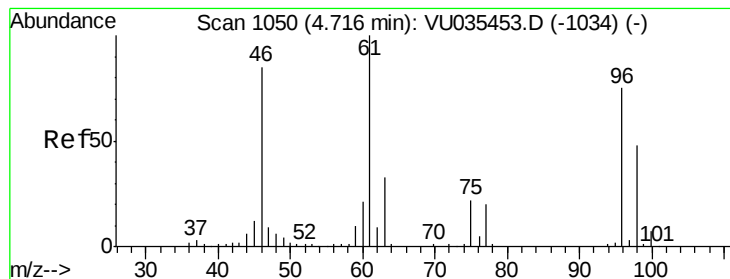
#19
1,1-Dichloroethane
Concen: 0.109 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035456.D
Acq: 24 Oct 2019 13:42

Tgt Ion: 63 Resp: 2774
Ion Ratio Lower Upper
63 100
65 32.9 22.4 41.6
83 0.0 9.3 17.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 3.972 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

H0G09

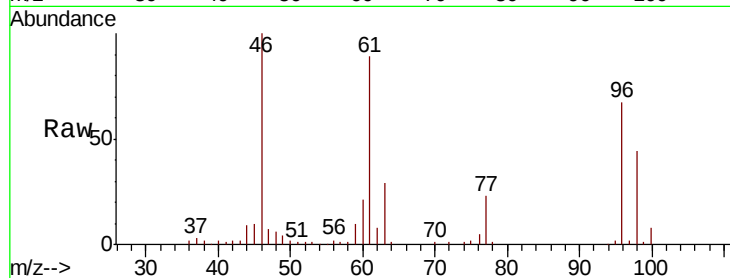
Tot Ion: 96 Resp: 61508

Ion Ratio Lower Upper

96 100

61 132.1 89.7 166.5

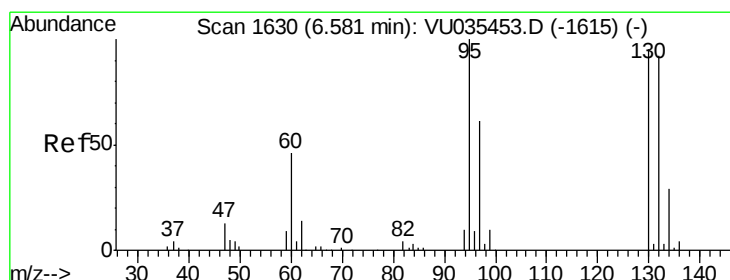
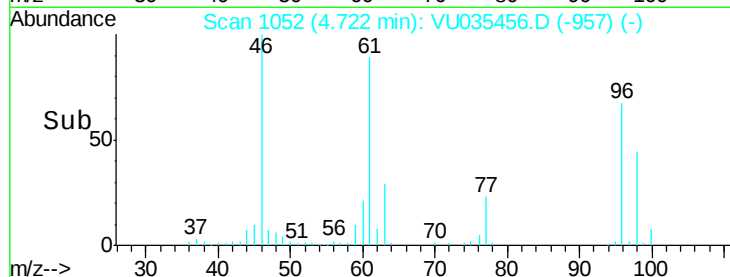
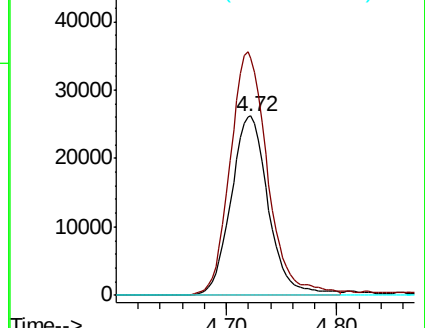
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035456.D (-1537) (-)

Ion 61.05 (60.75 to 61.75): VU035456.D (-1537) (-)

Ion 68.15 (67.85 to 68.85): VU035456.D (-1537) (-)



#34

Trichloroethene

Concen: 2.986 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035456.D

Acq: 24 Oct 2019 13:42

Tgt Ion: 95 Resp: 50408

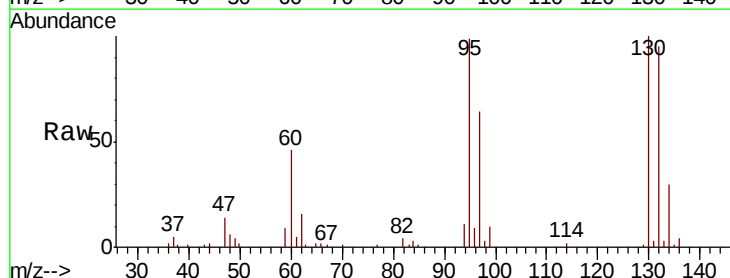
Ion Ratio Lower Upper

95 100

97 64.2 46.6 86.6

132 96.0 68.7 127.7

130 100.6 73.9 137.3

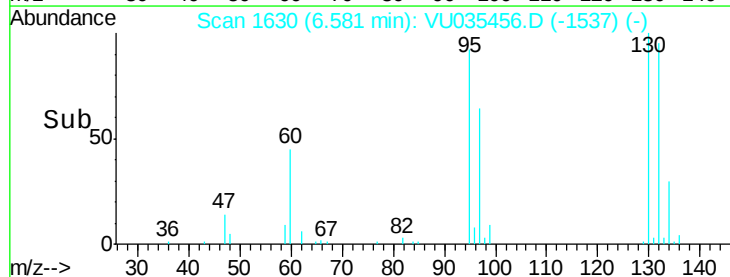
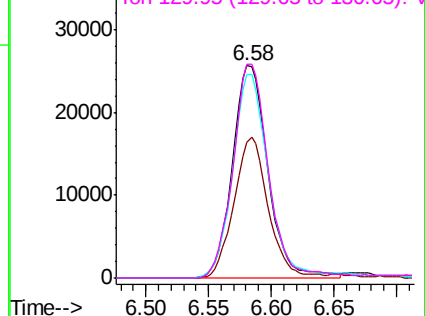


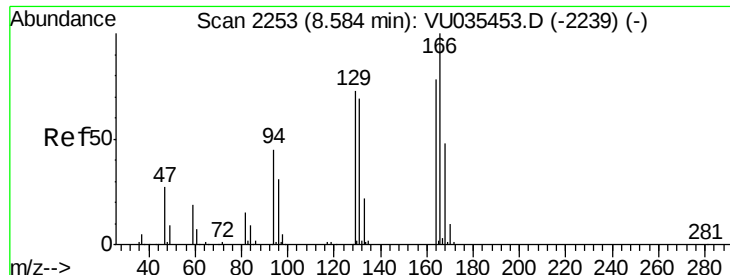
Abundance Ion 95.00 (94.70 to 95.70): VU035456.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035456.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035456.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035456.D (-1537) (-)





#47

Tetrachloroethene

Concen: 2.958 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035456.D

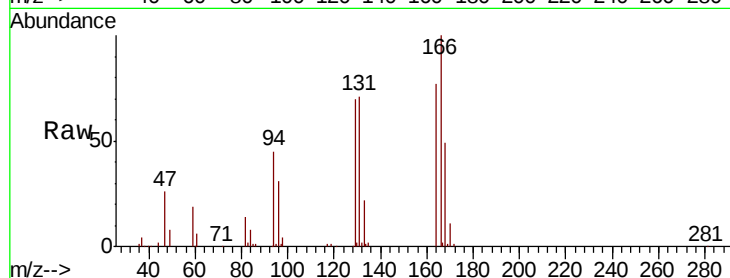
Acq: 24 Oct 2019 13:42

Instrument :

MSVOA_U

ClientSampleId :

H0G09



Tot Ion:164 Resp: 41596

Ion Ratio Lower Upper

164 100

129 91.0 65.2 121.0

131 91.7 62.9 116.9

166 129.5 91.5 169.9

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

