

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121619\
 Data File : VU036230.D
 Acq On : 16 Dec 2019 13:37
 Operator : JC/MD
 Sample : K6234-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE63

Quant Time: Dec 17 01:51:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 17 01:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	217399	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	244150	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	89871	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87496	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.93	69	85276	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.59	63	100317	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.69	46	183426	51.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.28%
24) Chloroform-d	5.11	84	157186	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.75	65	82905	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.77	84	278081	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.73	67	95010	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.93	98	232773	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	8.21	79	36778	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.68	63	155976	51.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.54%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	89170	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	90217	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

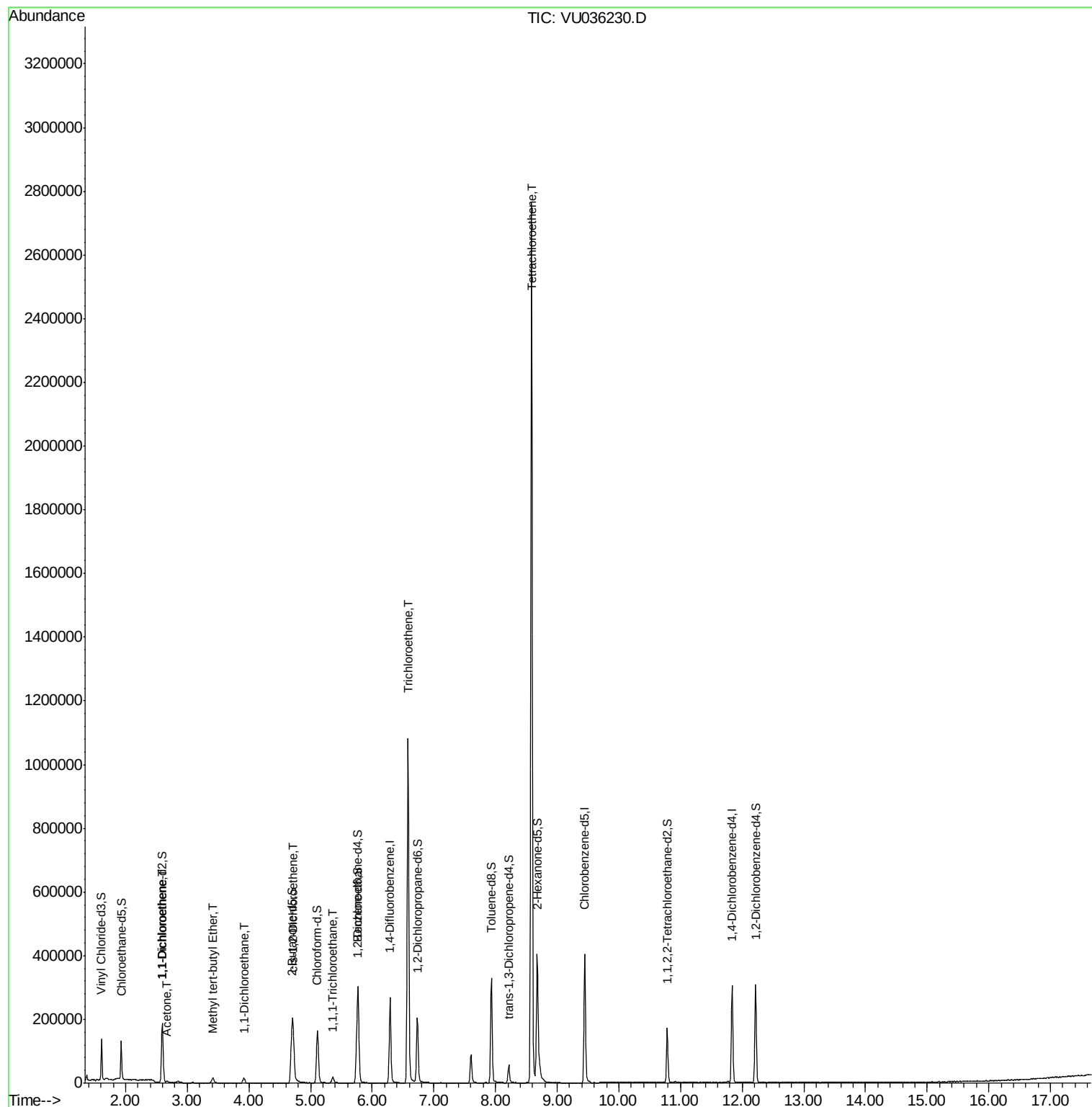
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	21907	1.358	ug/L	# 51
13) Acetone	2.68	43	5614	1.796	ug/L	96
17) Methyl tert-butyl Ether	3.42	73	16411	0.475	ug/L	99
19) 1,1-Dichloroethane	3.92	63	17348	0.556	ug/L	92
22) cis-1,2-Dichloroethene	4.72	96	74050	4.087	ug/L	95
29) 1,1,1-Trichloroethane	5.36	97	13081	0.435	ug/L	99
34) Trichloroethene	6.58	95	369001	19.075	ug/L	95
47) Tetrachloroethene	8.58	164	655206	37.503	ug/L	98

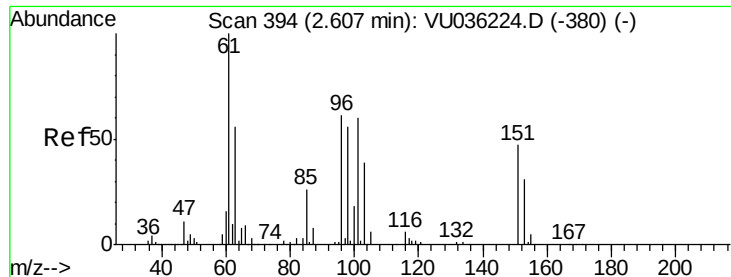
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 17 01:19:57 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.358 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036230.D

Acq: 16 Dec 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

BFE63

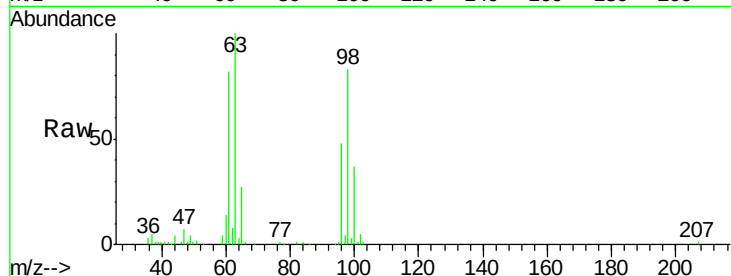
Tot Ion: 96 Resp: 21907

Ion Ratio Lower Upper

96 100

61 171.4 114.0 211.8

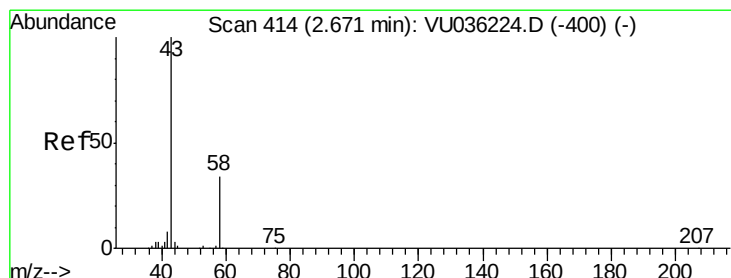
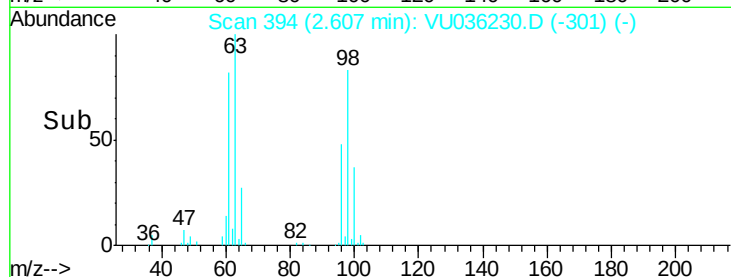
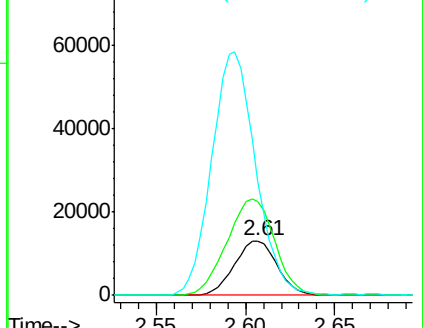
63 209.7 63.6 118.0#



Abundance Ion 96.00 (95.70 to 96.70): VU036230.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU036230.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU036230.D (-301) (-)



#13

Acetone

Concen: 1.796 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU036230.D

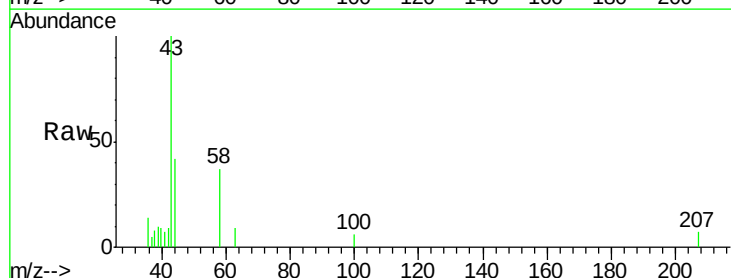
Acq: 16 Dec 2019 13:37

Tgt Ion: 43 Resp: 5614

Ion Ratio Lower Upper

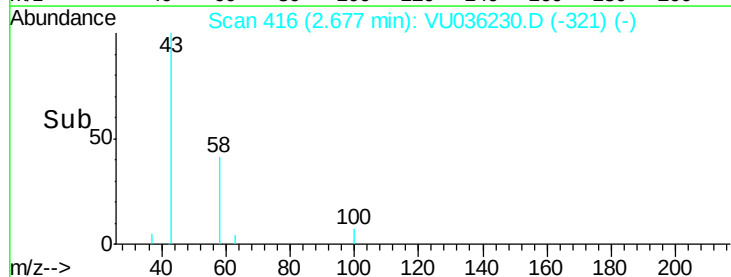
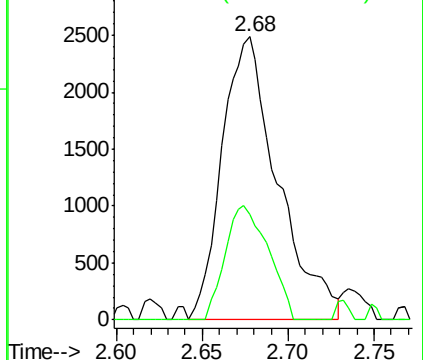
43 100

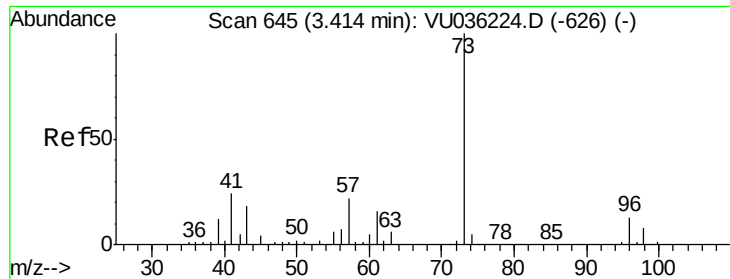
58 31.3 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036230.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU036230.D (-321) (-)

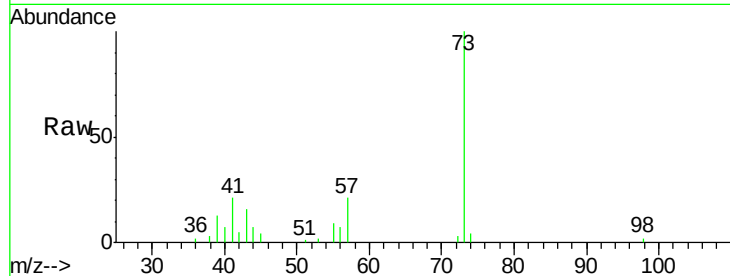




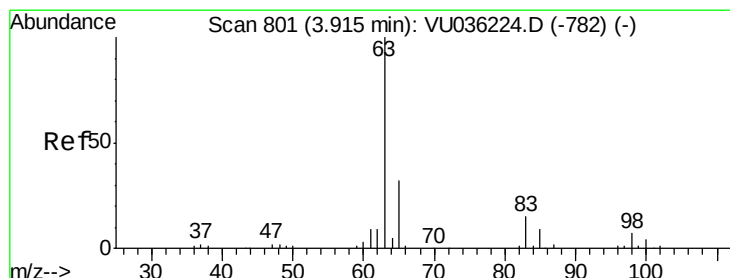
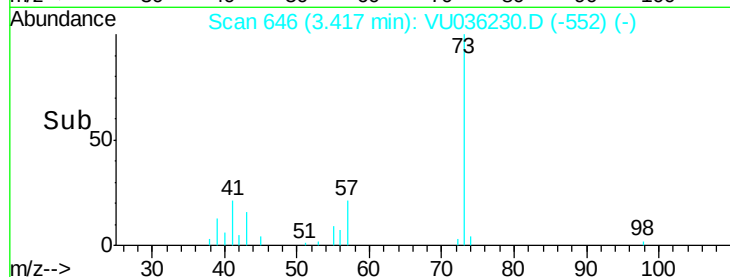
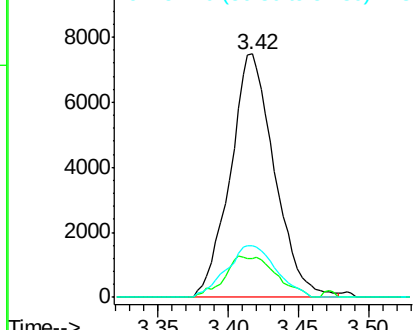
#17
Methyl tert-butyl Ether
Concen: 0.475 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU036230.D
Acq: 16 Dec 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
BFE63

Tot Ion: 73 Resp: 16411
Ion Ratio Lower Upper
73 100
43 19.4 15.3 22.9
57 23.7 18.2 27.2

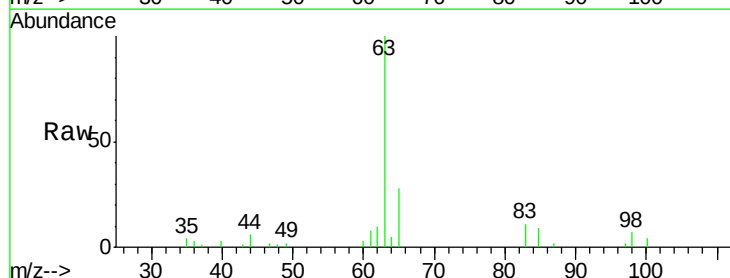


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

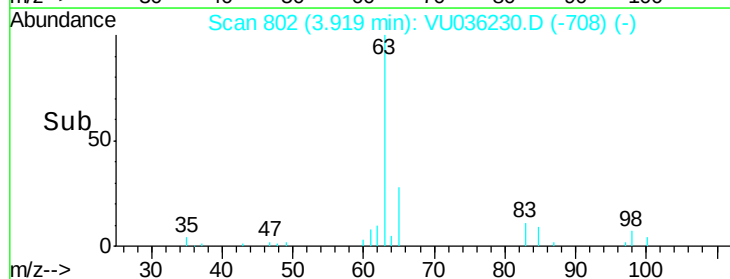
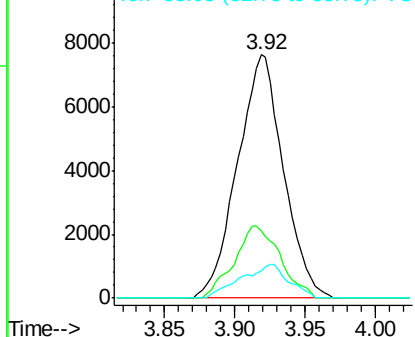


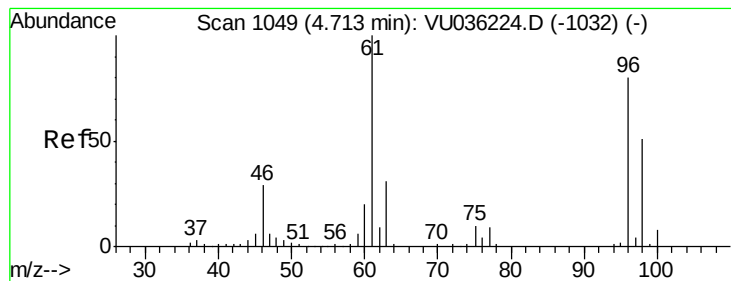
#19
1,1-Dichloroethane
Concen: 0.556 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU036230.D
Acq: 16 Dec 2019 13:37

Tgt Ion: 63 Resp: 17348
Ion Ratio Lower Upper
63 100
65 27.6 22.6 42.0
83 11.5 9.7 18.1



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: 4.087 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036230.D

Acq: 16 Dec 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

BFE63

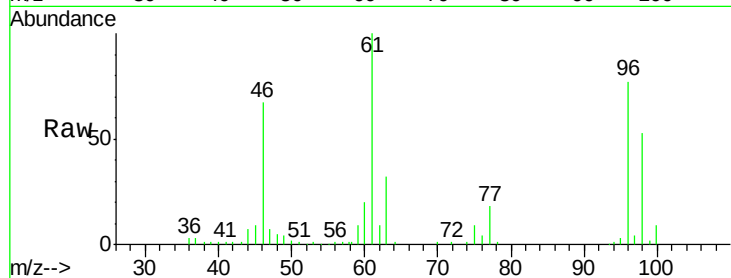
Tot Ion: 96 Resp: 74050

Ion Ratio Lower Upper

96 100

61 130.0 86.7 161.1

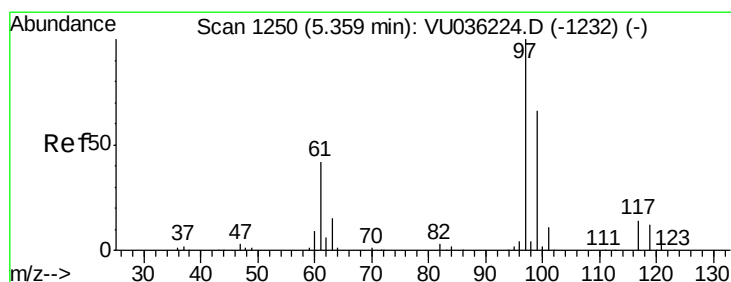
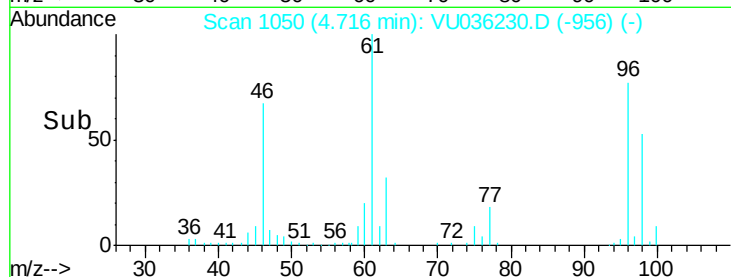
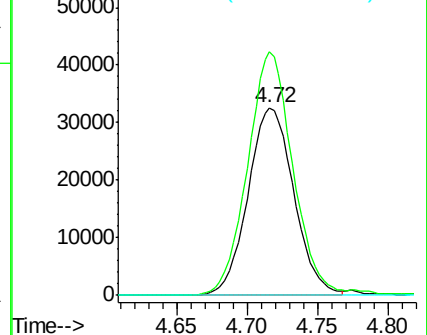
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036230.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036230.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU036230.D (-956) (-)



#29

1,1,1-Trichloroethane

Concen: 0.435 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU036230.D

Acq: 16 Dec 2019 13:37

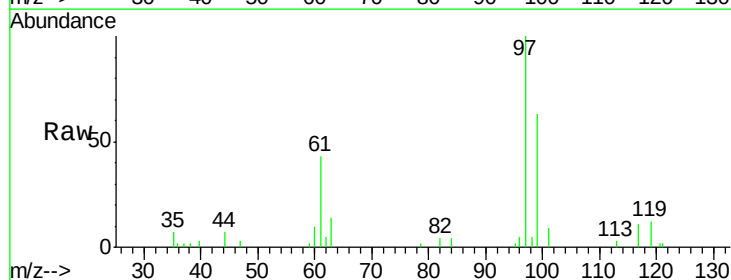
Tgt Ion: 97 Resp: 13081

Ion Ratio Lower Upper

97 100

99 62.8 51.4 77.2

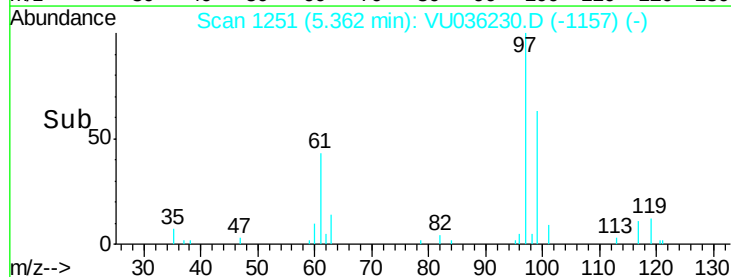
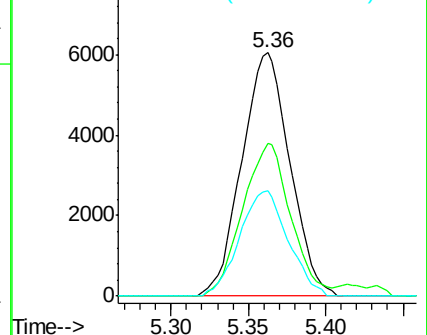
61 43.6 35.0 52.6

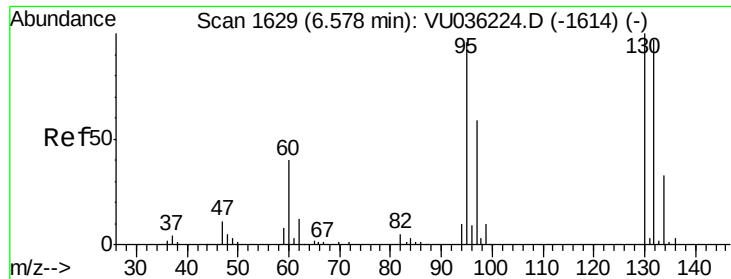


Abundance Ion 96.95 (96.65 to 97.65): VU036230.D (-1157) (-)

Ion 99.05 (98.75 to 99.75): VU036230.D (-1157) (-)

Ion 61.05 (60.75 to 61.75): VU036230.D (-1157) (-)





#34

Trichloroethene

Concen: 19.075 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036230.D

Acq: 16 Dec 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

BFE63

Tot Ion: 95 Resp: 369001

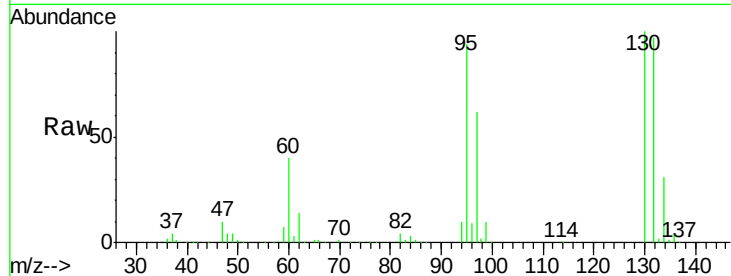
Ion Ratio Lower Upper

95 100

97 66.0 43.6 81.0

132 102.6 69.6 129.2

130 106.3 70.3 130.7

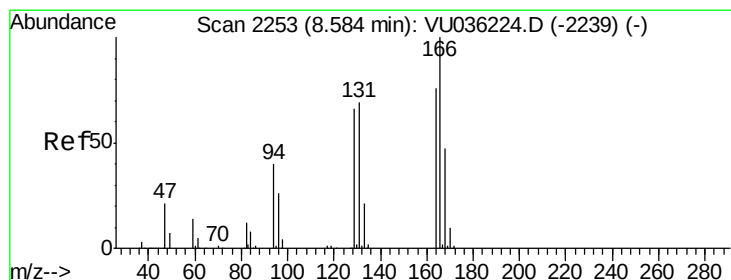
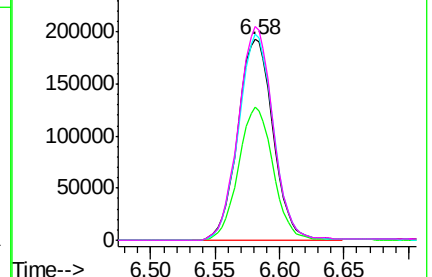
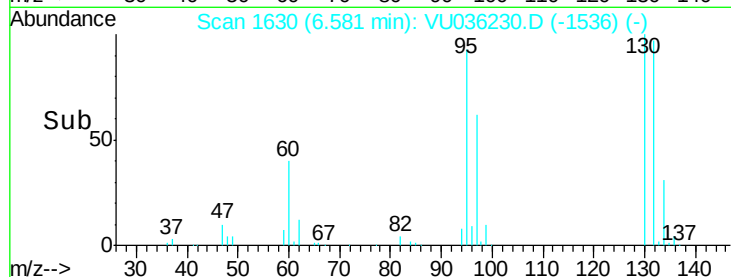


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 37.503 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036230.D

Acq: 16 Dec 2019 13:37

Tgt Ion: 164 Resp: 655206

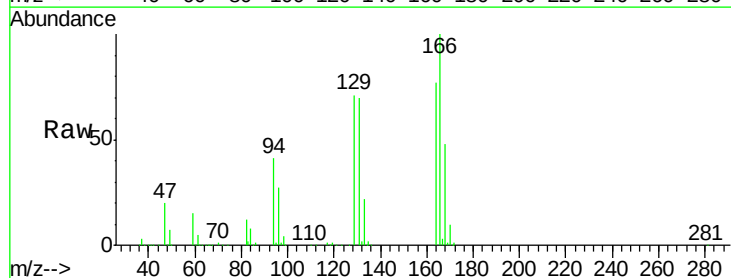
Ion Ratio Lower Upper

164 100

129 91.9 64.2 119.2

131 91.2 66.6 123.8

166 130.0 93.1 172.9



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

