

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
 Data File : VU035425.D
 Acq On : 23 Oct 2019 22:33
 Operator : JC/SP
 Sample : K5488-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G52

Quant Time: Oct 24 06:58:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 05:20:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	220297	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	223834	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	79164	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	52926	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.93	69	56691	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.59	63	78362	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.71	46	239683	62.09	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.18%
24) Chloroform-d	5.11	84	118386	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.75	65	73818	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.77	84	228984	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.74	67	83193	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.93	98	187767	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
43) trans-1,3-Dichloropropene-	8.22	79	29895	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.69	63	162426	46.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.38%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	77444	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	67121	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

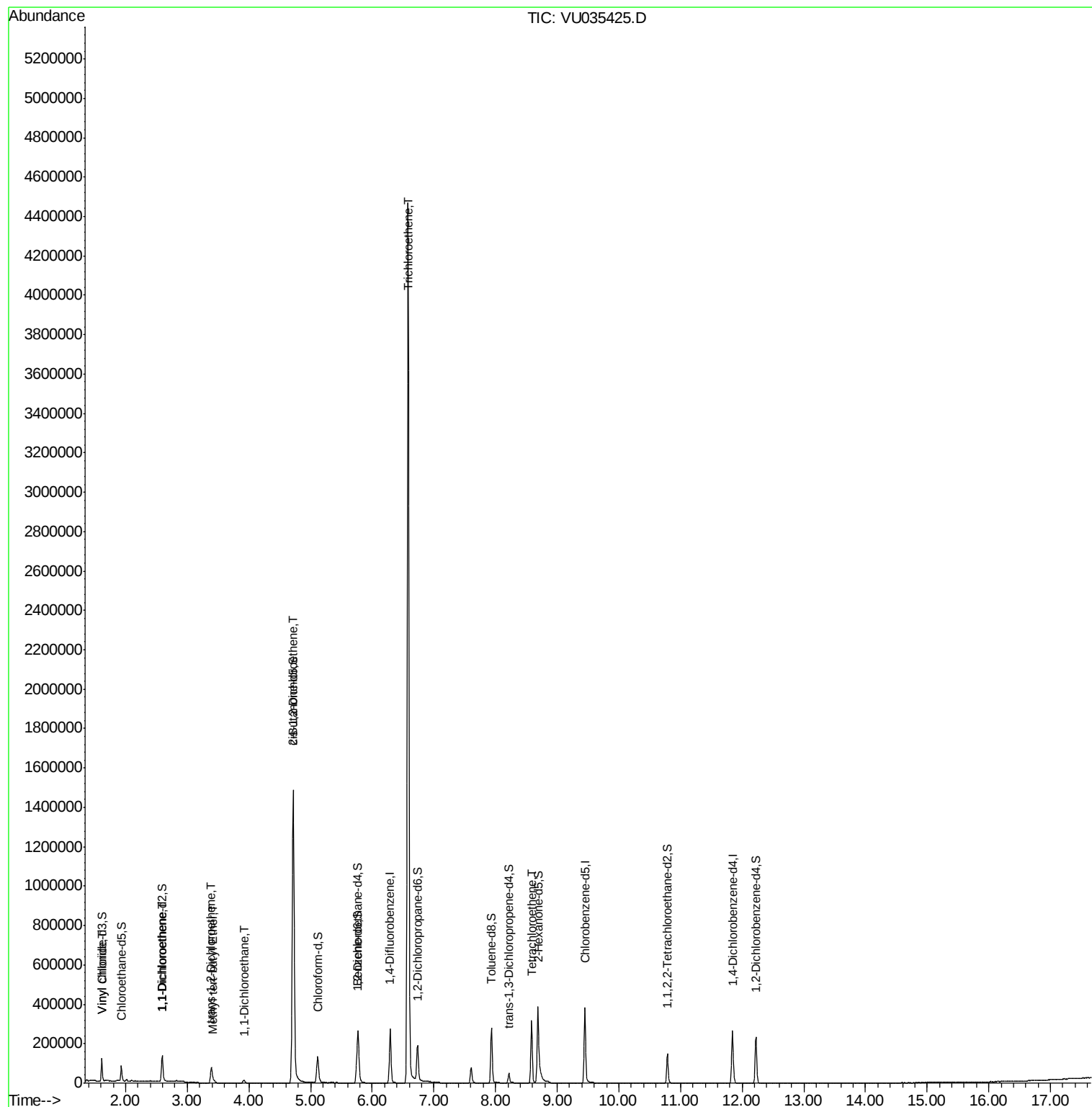
					Ovalue
5) Vinyl chloride	1.62	62	29107	1.524 ug/L	95
12) 1,1-Dichloroethene	2.61	96	3420	0.242 ug/L #	1
17) Methyl tert-butyl Ether	3.43	73	14933	0.392 ug/L #	93
18) trans-1,2-Dichloroethene	3.39	96	32591	2.134 ug/L	97
19) 1,1-Dichloroethane	3.92	63	16186	0.586 ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	710061	42.060 ug/L	97
34) Trichloroethene	6.58	95	1514309	85.525 ug/L	97
47) Tetrachloroethene	8.58	164	71698	4.861 ug/L	97

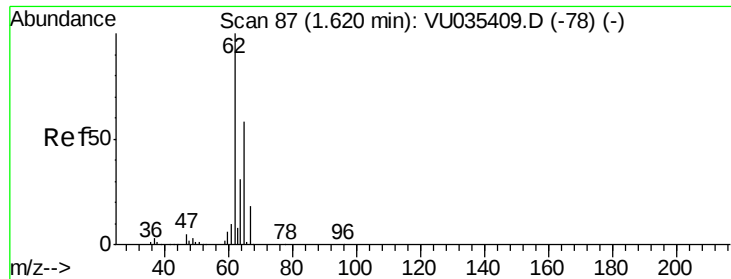
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.524 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035425.D

Acq: 23 Oct 2019 22:33

Instrument :

MSVOA_U

ClientSampleId :

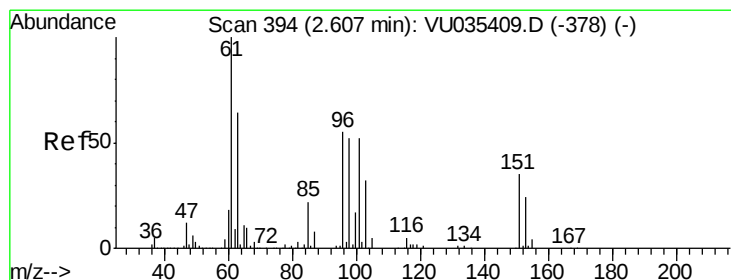
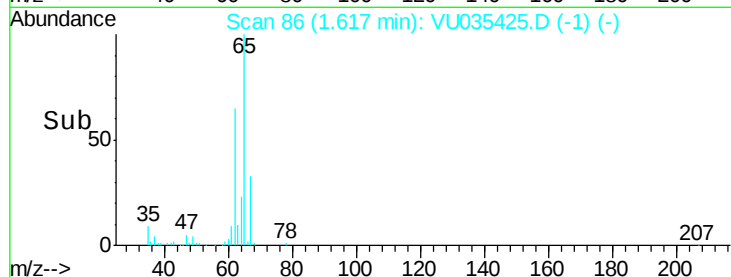
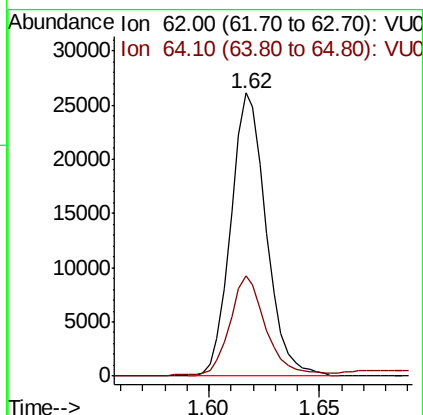
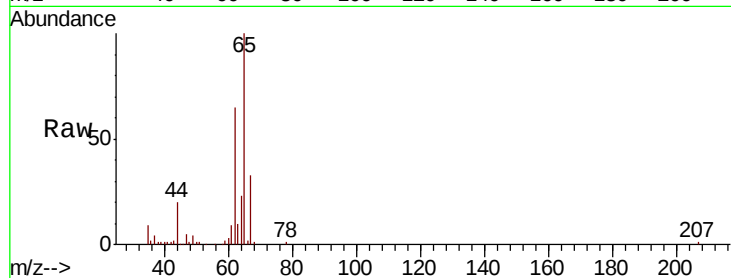
H0G52

Tot Ion: 62 Resp: 29107

Ion Ratio Lower Upper

62 100

64 35.5 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.242 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035425.D

Acq: 23 Oct 2019 22:33

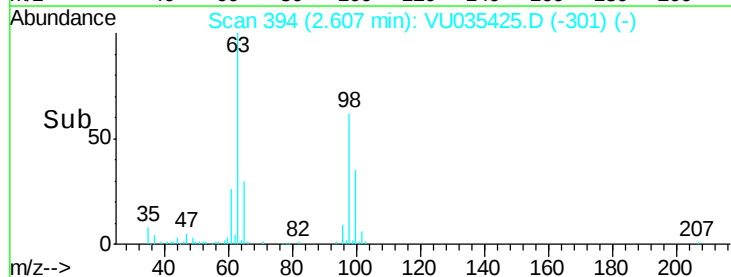
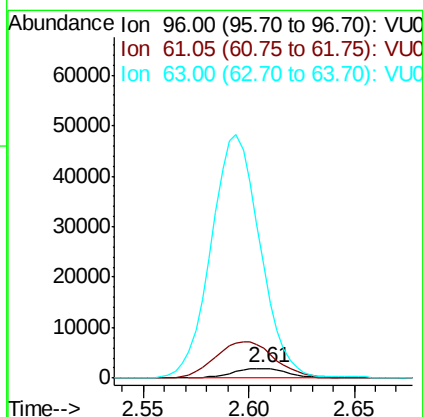
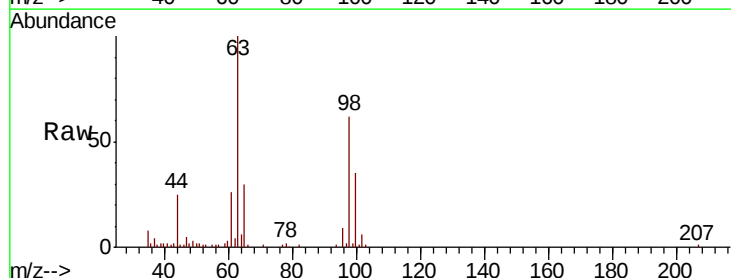
Tgt Ion: 96 Resp: 3420

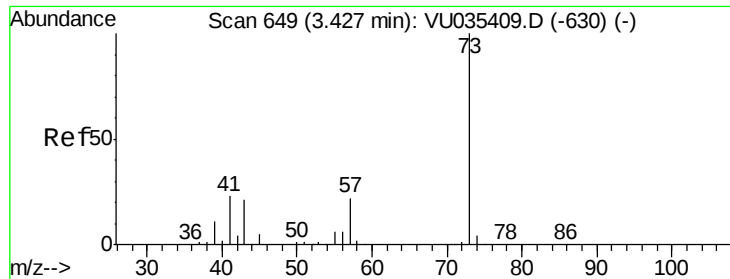
Ion Ratio Lower Upper

96 100

61 294.6 120.6 224.0#

63 1118.1 86.8 161.2#

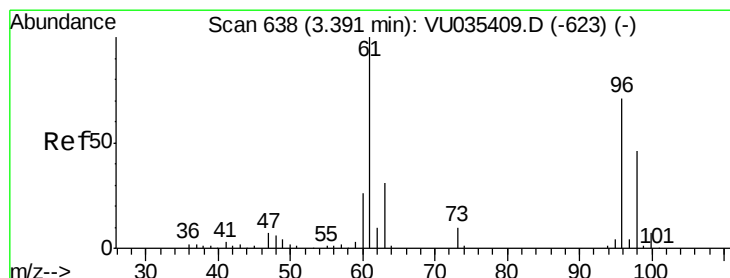
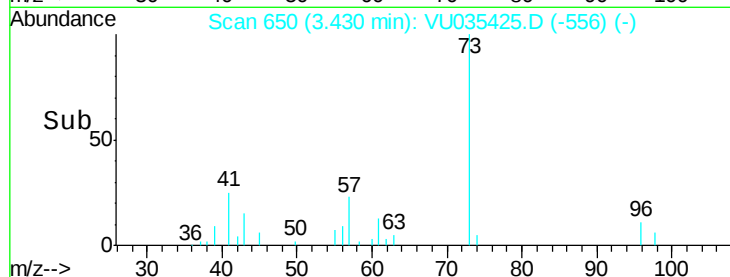
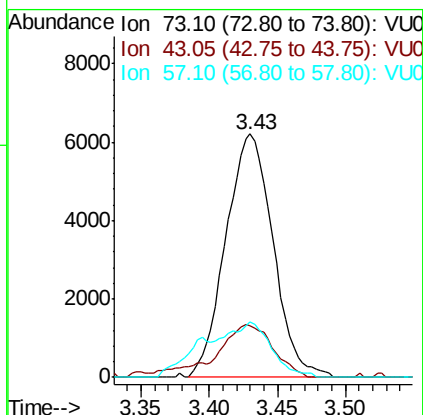
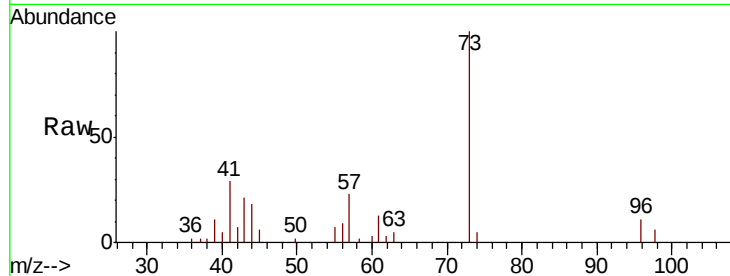




#17
Methvl tert-butvl Ether
Concen: 0.392 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035425.D
Acq: 23 Oct 2019 22:33

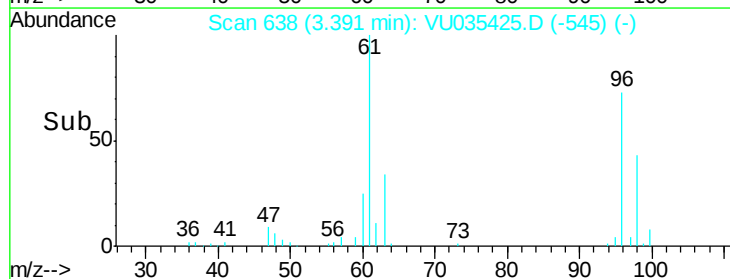
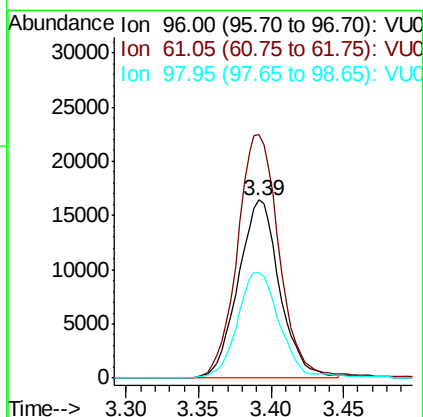
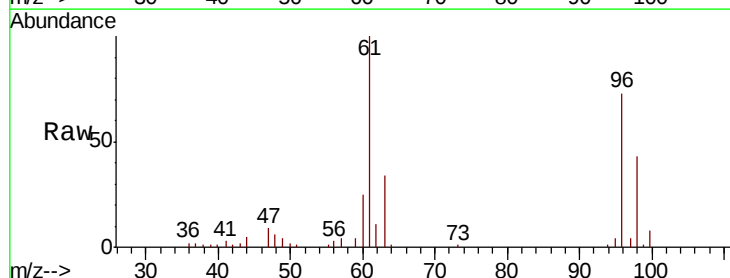
Instrument :
MSVOA_U
ClientSampleId :
H0G52

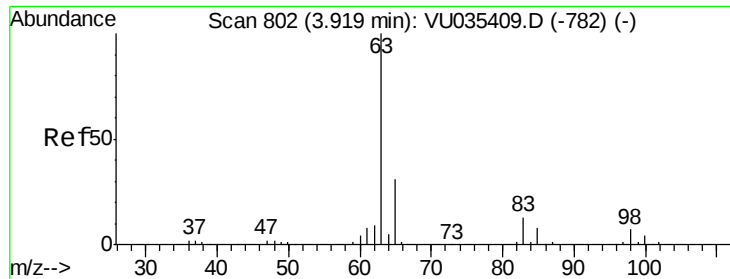
Tot Ion: 73 Resp: 14933
Ion Ratio Lower Upper
73 100
43 26.5 16.0 24.0#
57 21.8 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 2.134 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035425.D
Acq: 23 Oct 2019 22:33

Tgt Ion: 96 Resp: 32591
Ion Ratio Lower Upper
96 100
61 136.6 93.0 172.6
98 59.3 43.7 81.1





#19

1,1-Dichloroethane

Concen: 0.586 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035425.D

Acq: 23 Oct 2019 22:33

Instrument :

MSVOA_U

ClientSampleId :

H0G52

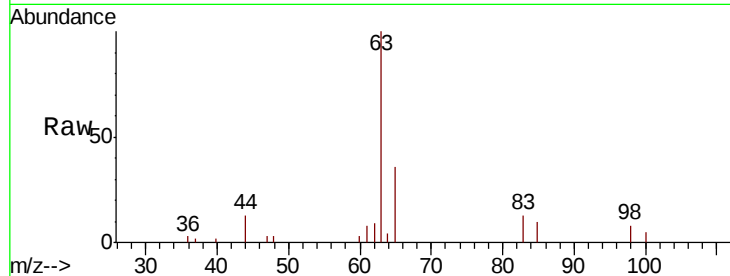
Tot Ion: 63 Resp: 16186

Ion Ratio Lower Upper

63 100

65 35.6 22.4 41.6

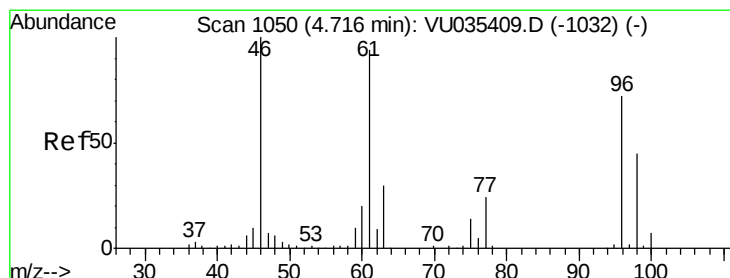
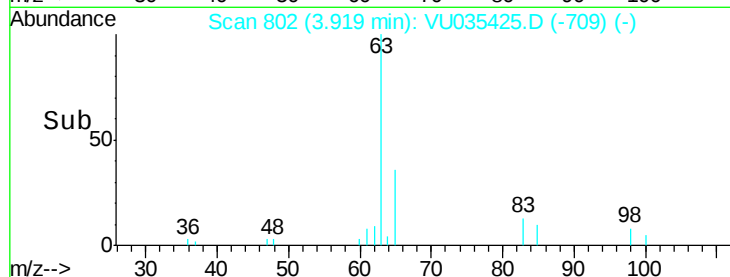
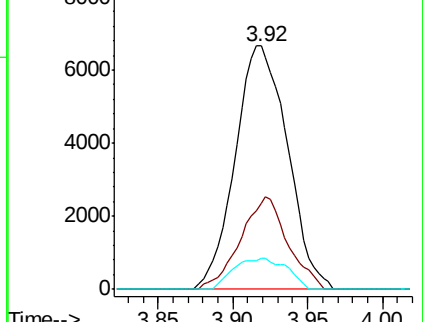
83 12.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035409.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU035409.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU035409.D (-782) (-)



#22

cis-1,2-Dichloroethene

Concen: 42.060 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035425.D

Acq: 23 Oct 2019 22:33

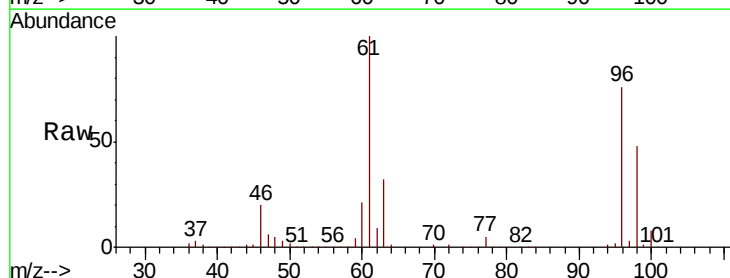
Tgt Ion: 96 Resp: 710061

Ion Ratio Lower Upper

96 100

61 131.2 89.7 166.5

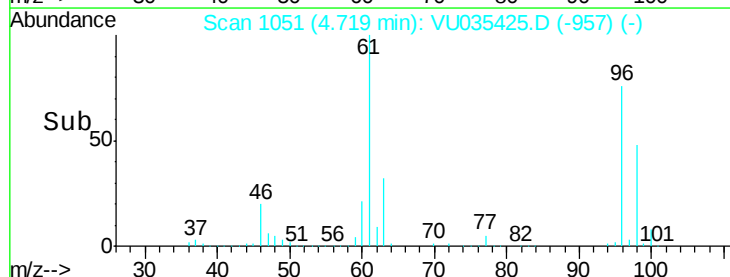
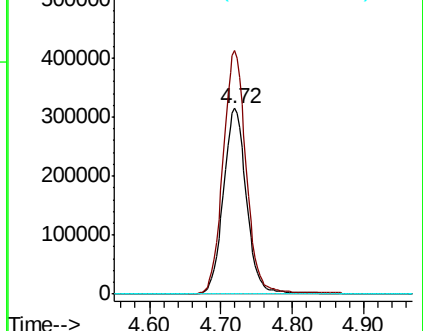
68 0.0 0.0 0.0

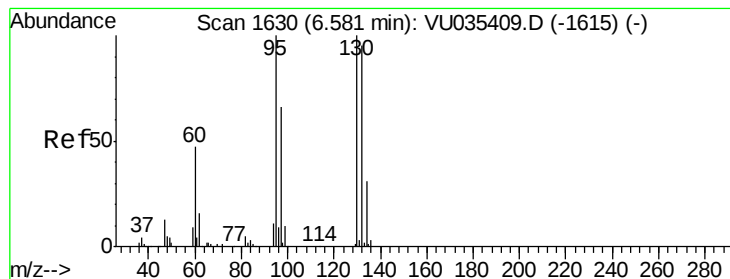


Abundance Ion 96.00 (95.70 to 96.70): VU035409.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035409.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035409.D (-1032) (-)





#34

Trichloroethene

Concen: 85.525 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035425.D

Acq: 23 Oct 2019 22:33

Instrument :

MSVOA_U

ClientSampleId :

H0G52

Tot Ion: 95 Resp: 1514309

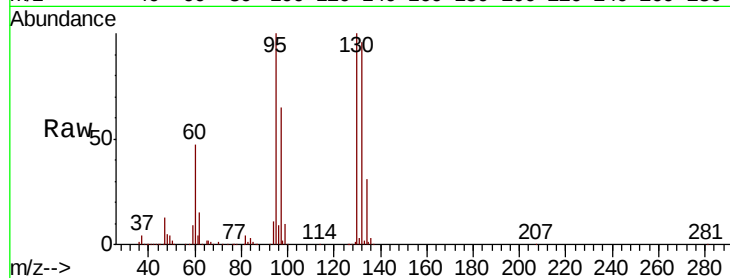
Ion Ratio Lower Upper

95 100

97 65.2 46.6 86.6

132 96.1 68.7 127.7

130 100.3 73.9 137.3



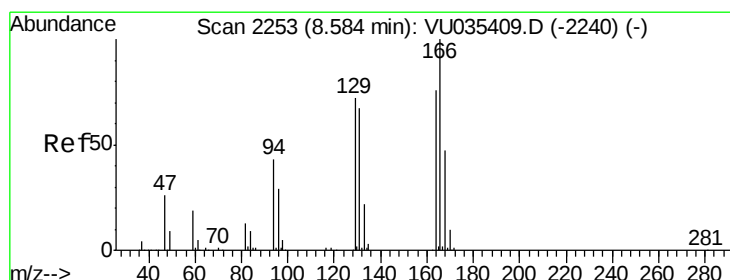
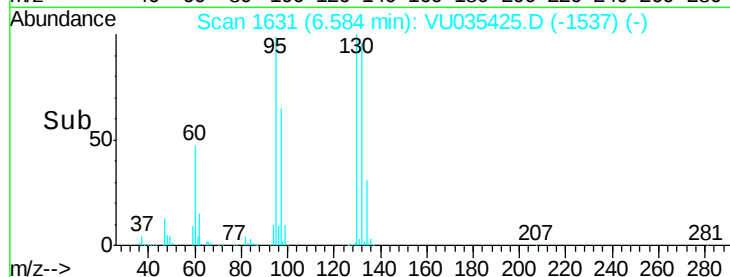
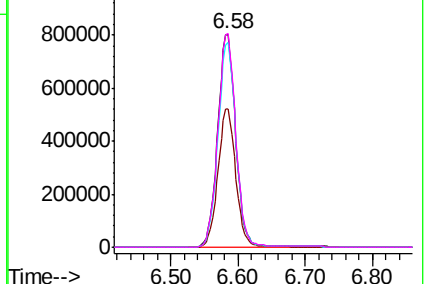
Abundance

Ion 95.00 (94.70 to 95.70): VU035409.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035409.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035409.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035409.D (-1615) (-)



#47

Tetrachloroethene

Concen: 4.861 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035425.D

Acq: 23 Oct 2019 22:33

Tgt Ion: 164 Resp: 71698

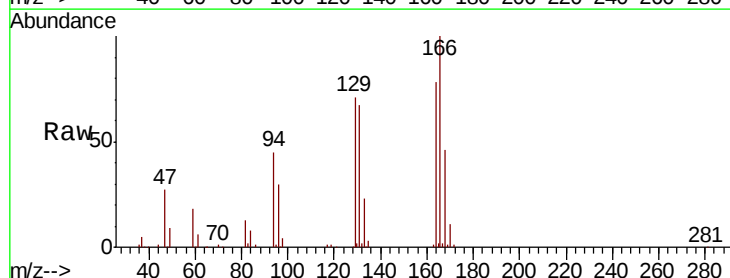
Ion Ratio Lower Upper

164 100

129 90.7 65.2 121.0

131 85.4 62.9 116.9

166 128.1 91.5 169.9



Abundance

Ion 163.90 (163.60 to 164.60): VU035409.D (-2240) (-)

Ion 128.95 (128.65 to 129.65): VU035409.D (-2240) (-)

Ion 130.95 (130.65 to 131.65): VU035409.D (-2240) (-)

Ion 165.90 (165.60 to 166.60): VU035409.D (-2240) (-)

