

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035369.D
 Acq On : 22 Oct 2019 17:33
 Operator : JC/SP
 Sample : K5461-22DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G73DL

Quant Time: Oct 23 08:20:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	264710	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	257982	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	84183	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	93227	5.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.40%
7) Chloroethane-d5	1.93	69	85737	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.59	63	126210	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.60%
20) 2-Butanone-d5	4.70	46	245927	53.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	5.11	84	158037	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
26) 1,2-Dichloroethane-d4	5.75	65	90163	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.77	84	320560	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
36) 1,2-Dichloropropane-d6	6.74	67	107874	5.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.20%
41) Toluene-d8	7.93	98	275892	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.21	79	39233	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.68	63	172740	43.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.18%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	86576	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.23	152	81905	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

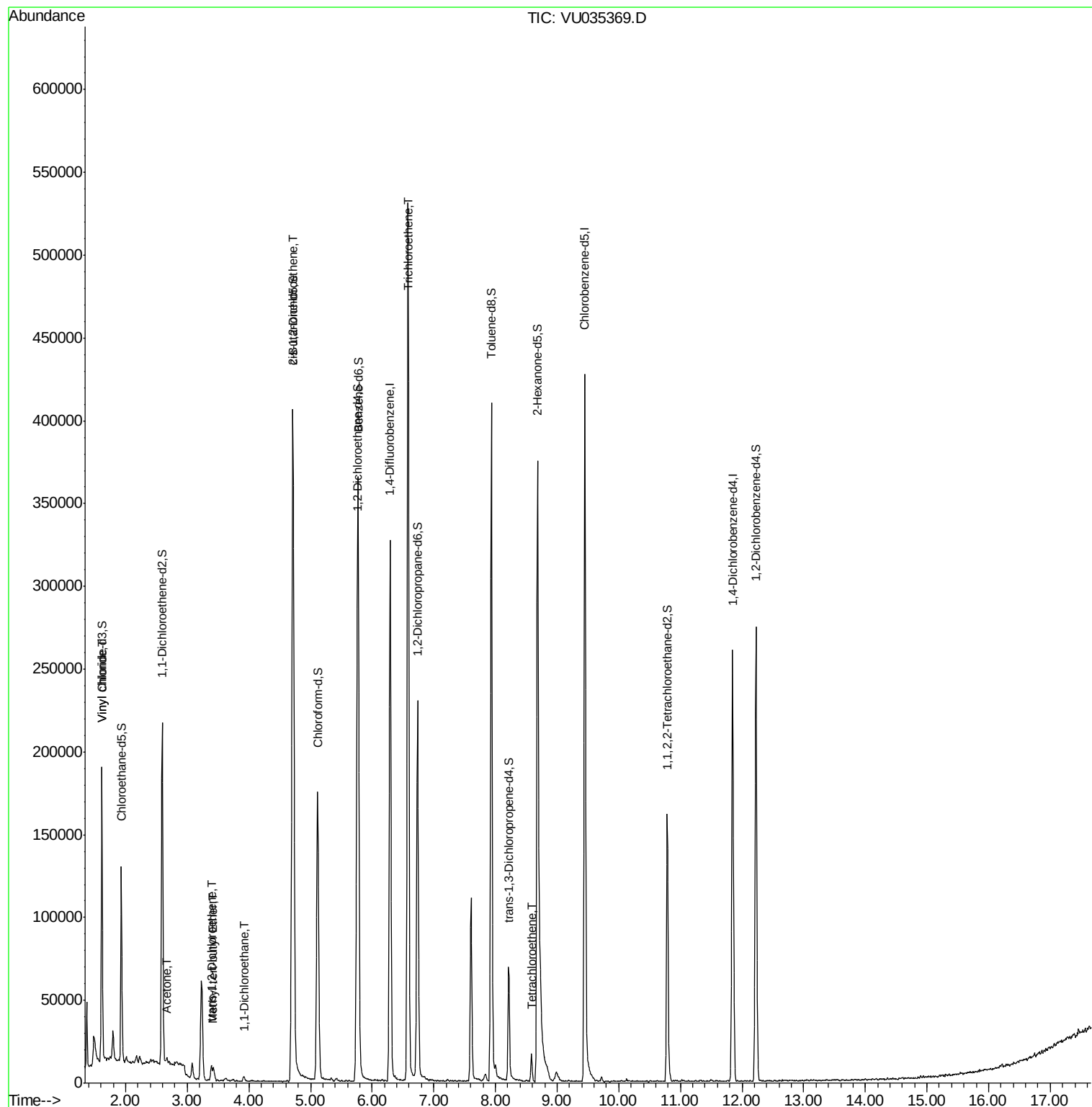
					Ovalue
5) Vinyl chloride	1.62	62	25152	1.096 ug/L #	64
13) Acetone	2.67	43	2713	0.841 ug/L	95
17) Methyl tert-butyl Ether	3.42	73	6854	0.150 ug/L #	89
18) trans-1,2-Dichloroethene	3.39	96	3408	0.186 ug/L	90
19) 1,1-Dichloroethane	3.92	63	3899	0.117 ug/L	87
22) cis-1,2-Dichloroethene	4.72	96	143308	7.065 ug/L	99
34) Trichloroethene	6.58	95	175662	8.608 ug/L	98
47) Tetrachloroethene	8.58	164	3819	0.225 ug/L	95

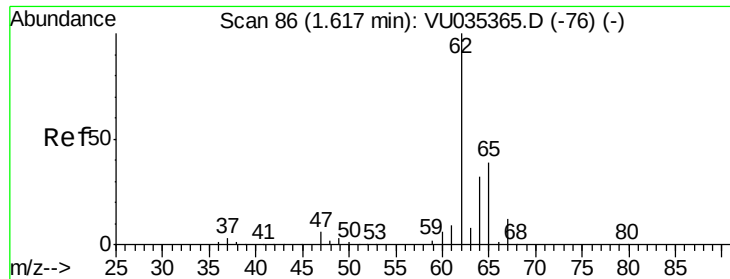
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.096 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035369.D

Acq: 22 Oct 2019 17:33

Instrument :

MSVOA_U

ClientSampleId :

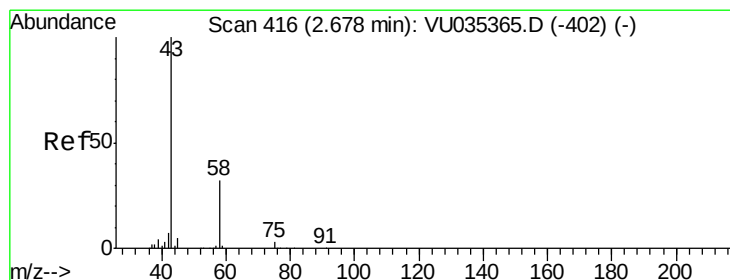
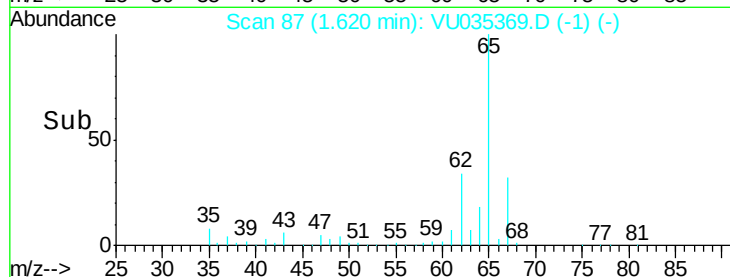
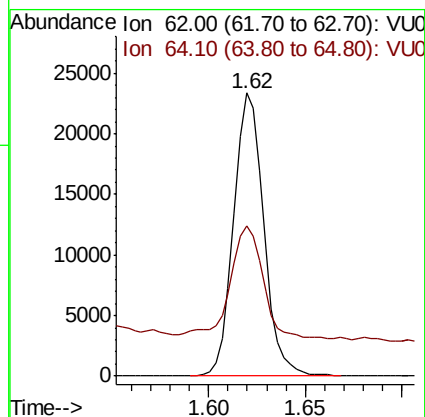
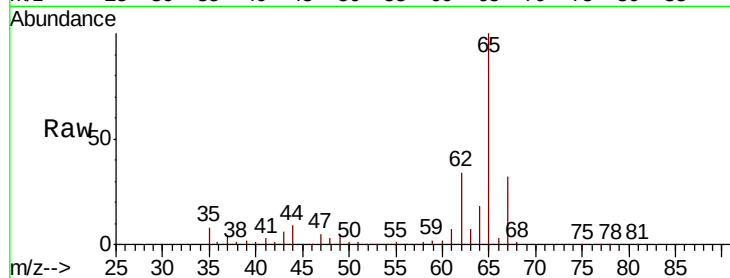
H0G73DL

Tot Ion: 62 Resp: 25152

Ion Ratio Lower Upper

62 100

64 52.9 22.9 42.5#



#13

Acetone

Concen: 0.841 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035369.D

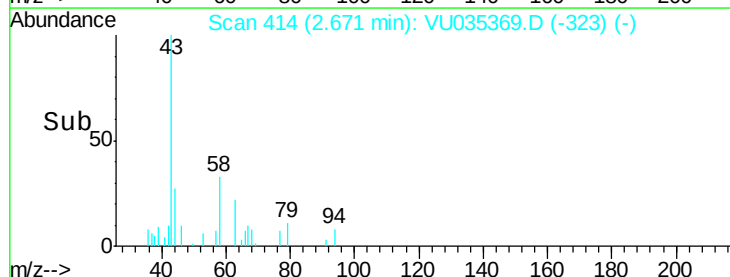
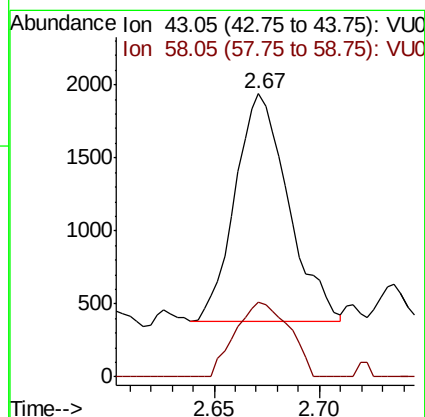
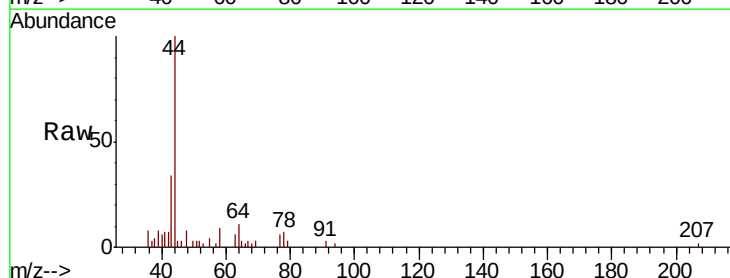
Acq: 22 Oct 2019 17:33

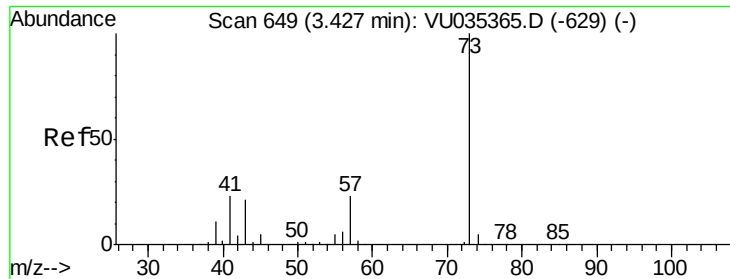
Tgt Ion: 43 Resp: 2713

Ion Ratio Lower Upper

43 100

58 33.5 0.0 61.8

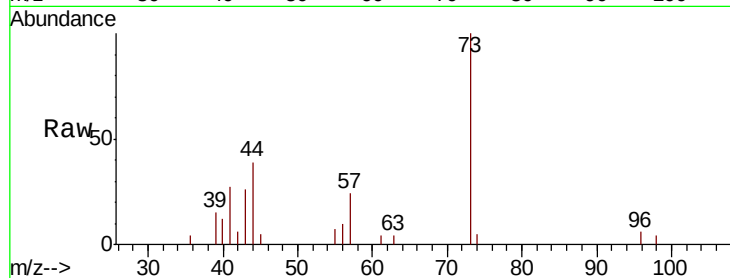




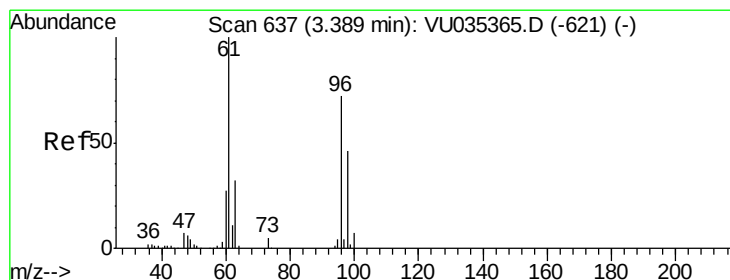
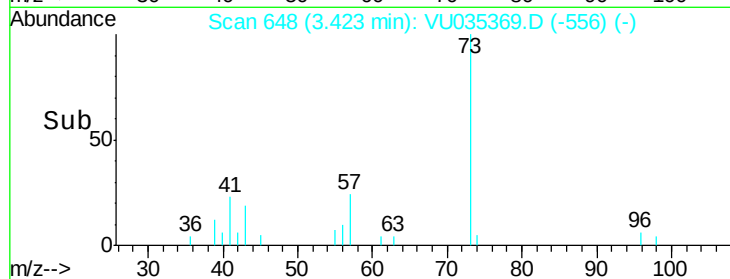
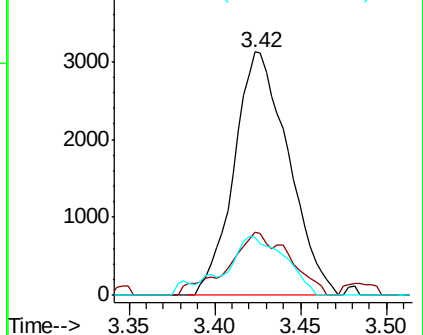
#17
Methyl tert-butyl Ether
Concen: 0.150 ug/L
RT: 3.42 min Scan# 648
Delta R.T. -0.00 min
Lab File: VU035369.D
Acq: 22 Oct 2019 17:33

Instrument :
MSVOA_U
ClientSampleId :
H0G73DL

Tot Ion: 73 Resp: 6854
Ion Ratio Lower Upper
73 100
43 29.2 16.0 24.0#
57 22.9 17.4 26.2

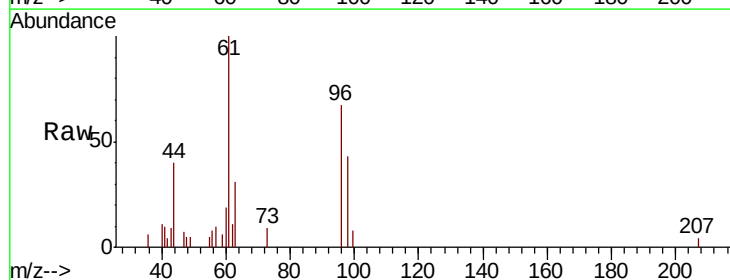


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

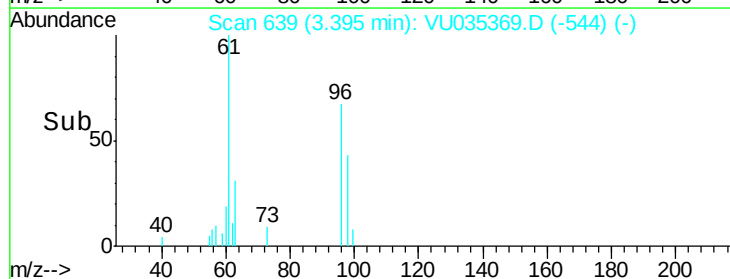
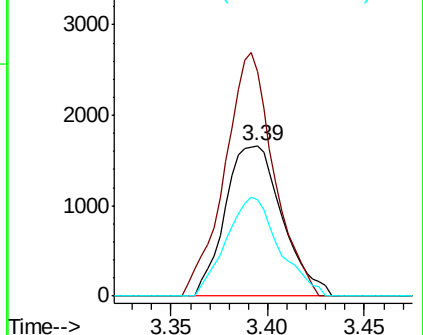


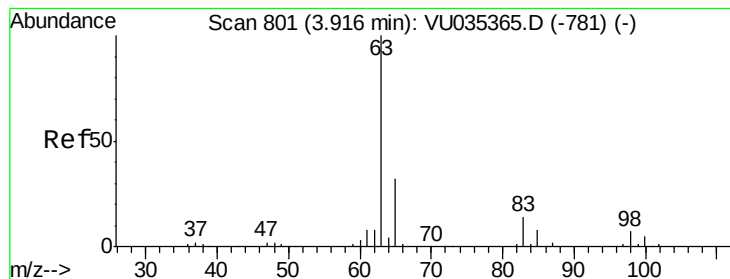
#18
trans-1,2-Dichloroethene
Concen: 0.186 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.01 min
Lab File: VU035369.D
Acq: 22 Oct 2019 17:33

Tgt Ion: 96 Resp: 3408
Ion Ratio Lower Upper
96 100
61 148.9 93.0 172.6
98 64.5 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: 0.117 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035369.D

Acq: 22 Oct 2019 17:33

Instrument :

MSVOA_U

ClientSampleId :

H0G73DL

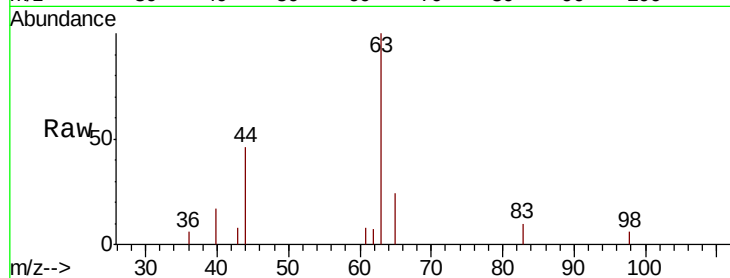
Tot Ion: 63 Resp: 3899

Ion Ratio Lower Upper

63 100

65 24.2 22.4 41.6

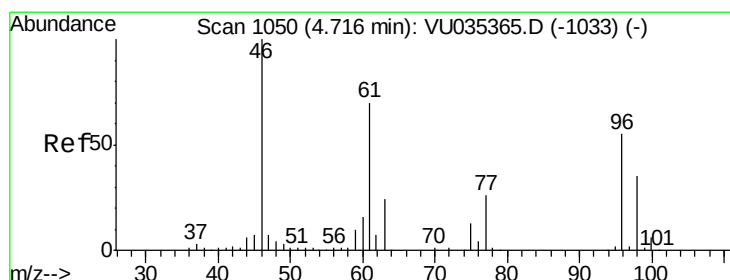
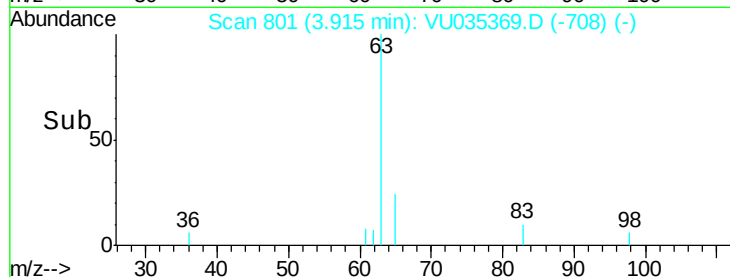
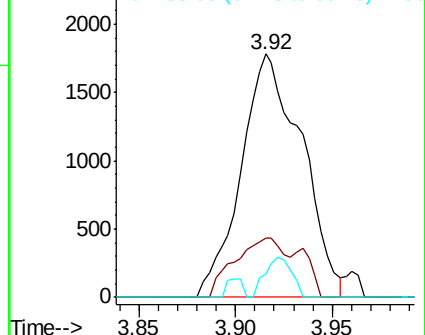
83 9.6 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035369.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VU035369.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VU035369.D (-708) (-)



#22

cis-1,2-Dichloroethene

Concen: 7.065 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035369.D

Acq: 22 Oct 2019 17:33

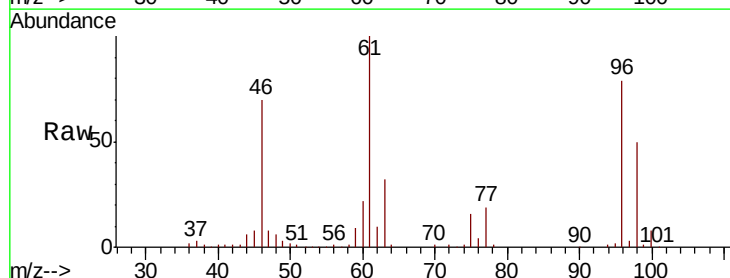
Tgt Ion: 96 Resp: 143308

Ion Ratio Lower Upper

96 100

61 127.0 89.7 166.5

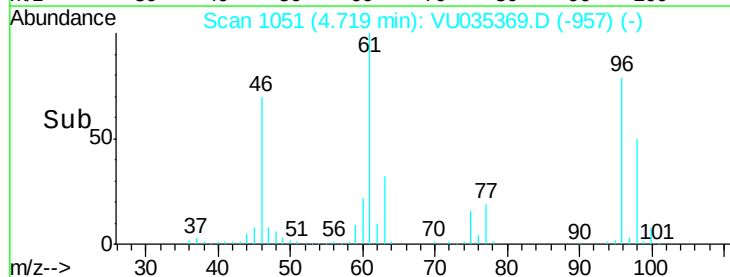
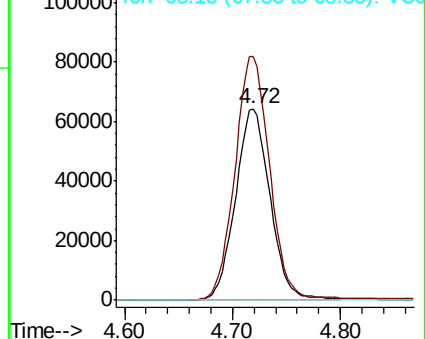
68 0.0 0.0 0.0

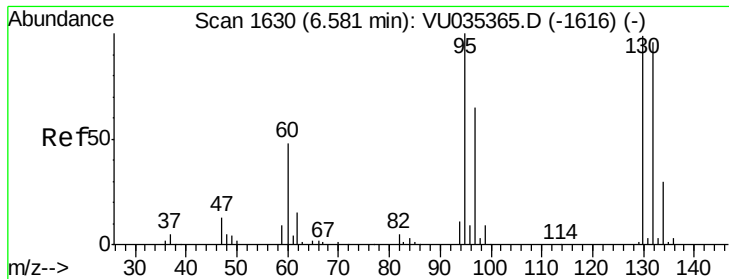


Abundance Ion 96.00 (95.70 to 96.70): VU035369.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035369.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035369.D (-957) (-)





#34

Trichloroethene

Concen: 8.608 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035369.D

Acq: 22 Oct 2019 17:33

Instrument :

MSVOA_U

ClientSampleId :

H0G73DL

Tot Ion: 95 Resp: 175662

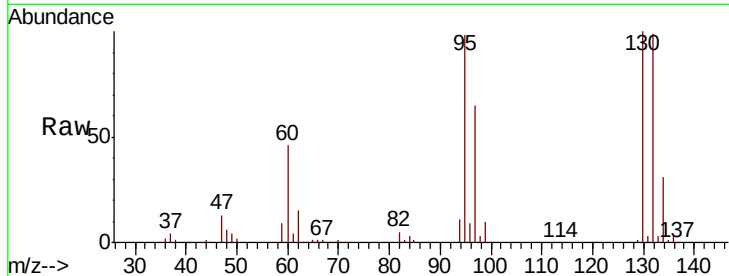
Ion Ratio Lower Upper

95 100

97 66.8 46.6 86.6

132 101.4 68.7 127.7

130 102.4 73.9 137.3



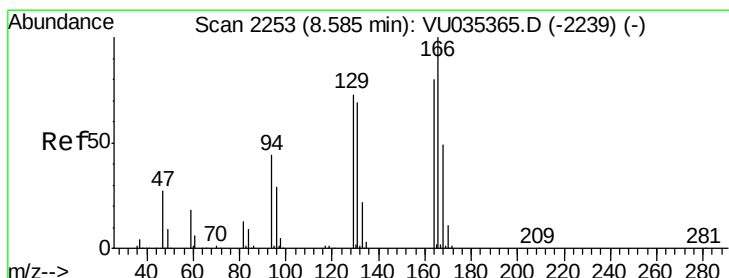
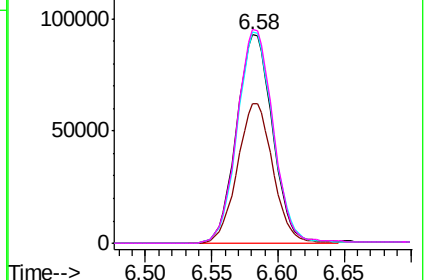
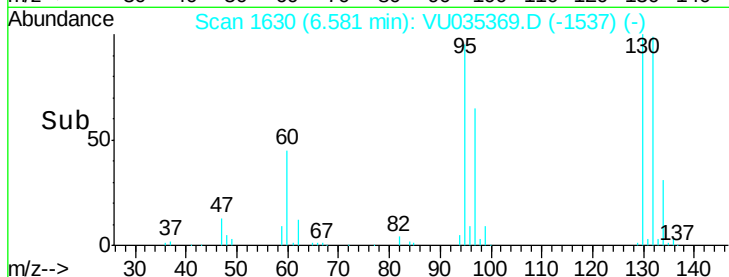
Abundance

Ion 95.00 (94.70 to 95.70): VU035369.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035369.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035369.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035369.D (-1537) (-)



#47

Tetrachloroethene

Concen: 0.225 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035369.D

Acq: 22 Oct 2019 17:33

Tgt Ion:164 Resp: 3819

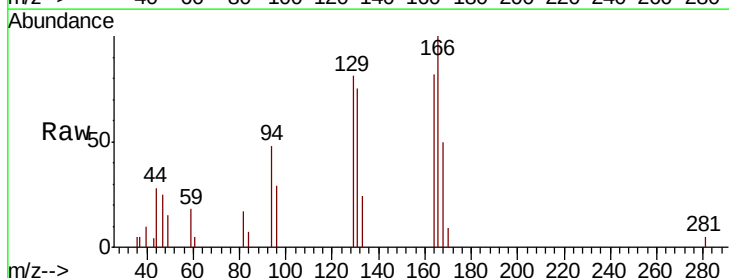
Ion Ratio Lower Upper

164 100

129 99.6 65.2 121.0

131 91.7 62.9 116.9

166 122.6 91.5 169.9



Abundance

Ion 163.90 (163.60 to 164.60): VU035369.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU035369.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035369.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035369.D (-2160) (-)

