

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U0102319\
 Data File : VU035439.D
 Acq On : 24 Oct 2019 05:58
 Operator : JC/SP
 Sample : K5488-22
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G36

Quant Time: Oct 24 08:21:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 07:51:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	205569	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	203775	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	60383	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	50428	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.93	69	55545	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.60	63	76078	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.70	46	231877	64.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.74%
24) Chloroform-d	5.11	84	125751	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.75	65	71966	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.77	84	226924	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.74	67	84669	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.40%
41) Toluene-d8	7.93	98	180538	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.22	79	28375	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.69	63	149473	47.20	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.40%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	78028	5.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	57140	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

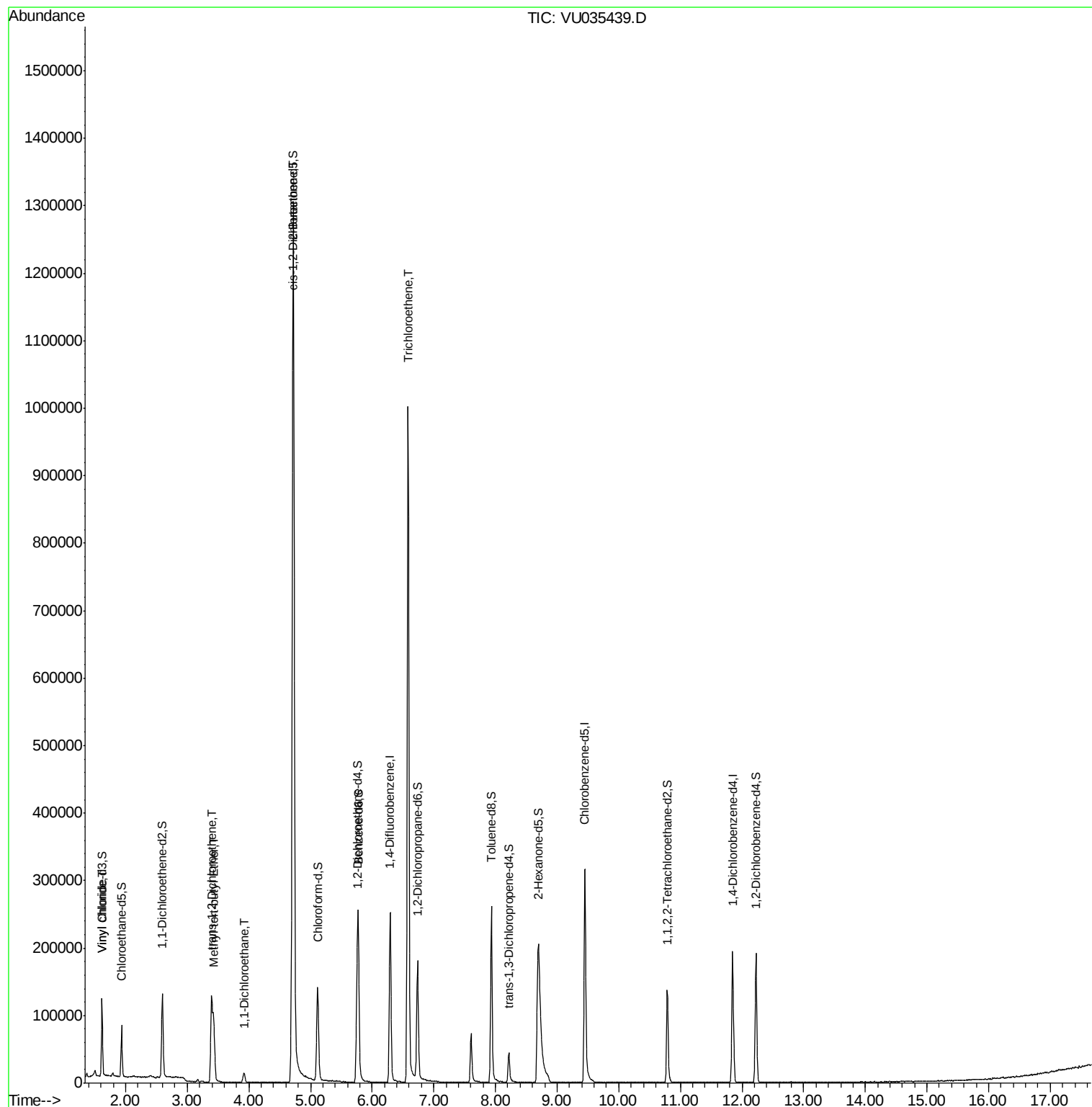
					Ovalue
5) Vinyl chloride	1.62	62	34235	1.921 ug/L	88
17) Methyl tert-butyl Ether	3.43	73	99085	2.788 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	51941	3.644 ug/L	96
19) 1,1-Dichloroethane	3.92	63	15793	0.613 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	644119	40.888 ug/L	97
34) Trichloroethene	6.58	95	348734	21.635 ug/L	97

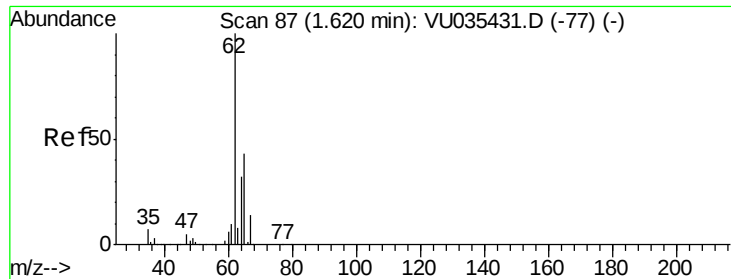
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 24 07:51:06 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.921 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

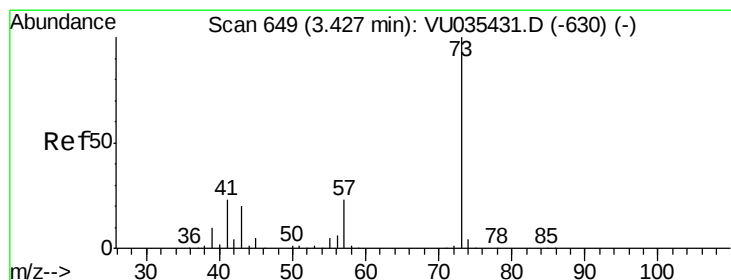
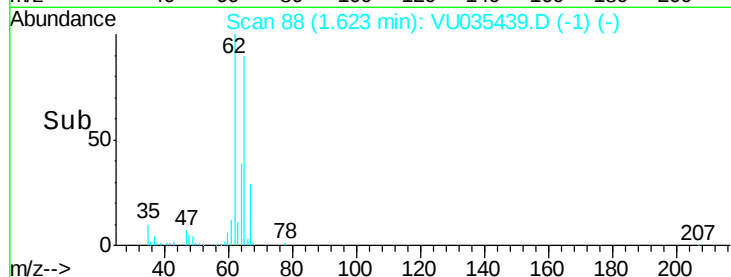
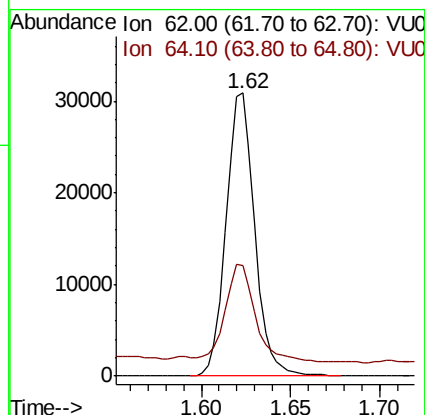
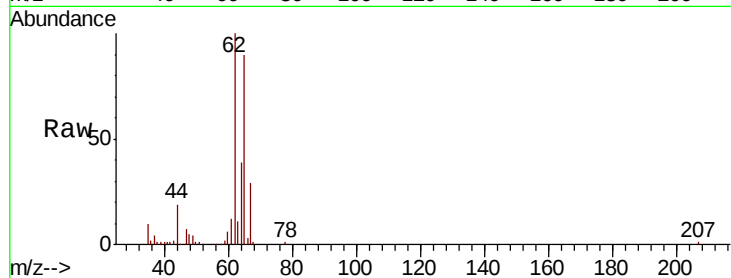
H0G36

Tot Ion: 62 Resp: 34235

Ion Ratio Lower Upper

62 100

64 39.3 22.9 42.5



#17

Methyl tert-butyl Ether

Concen: 2.788 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

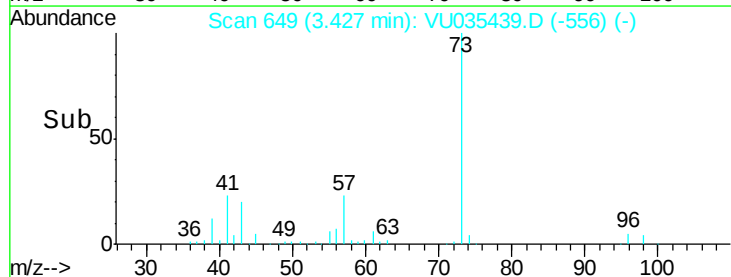
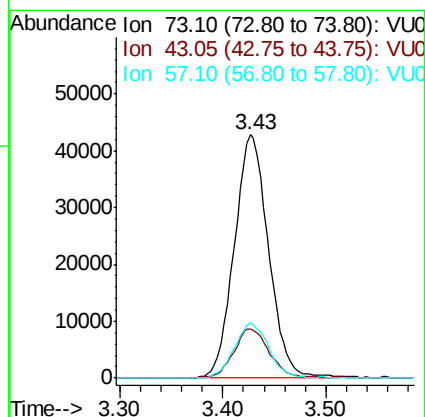
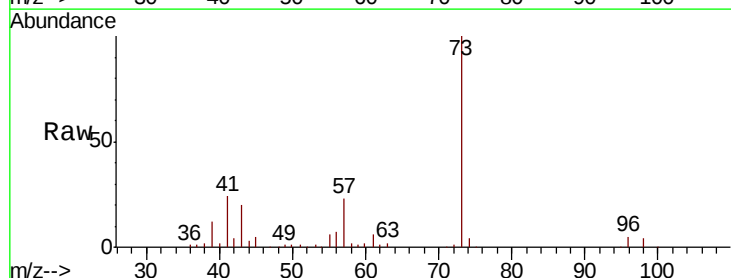
Tgt Ion: 73 Resp: 99085

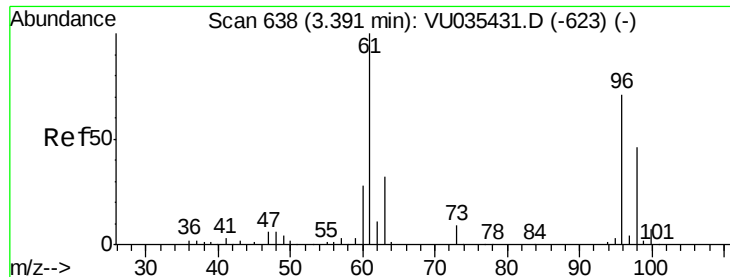
Ion Ratio Lower Upper

73 100

43 21.2 16.0 24.0

57 22.7 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 3.644 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

H0G36

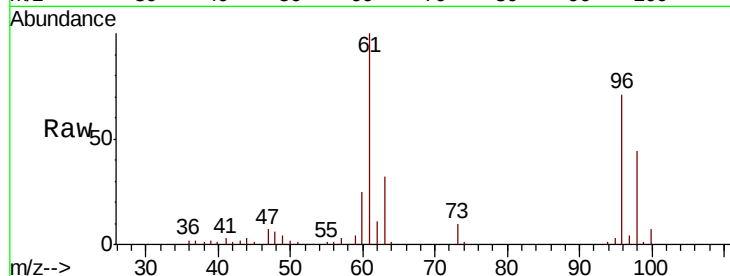
Tot Ion: 96 Resp: 51941

Ion Ratio Lower Upper

96 100

61 140.3 93.0 172.6

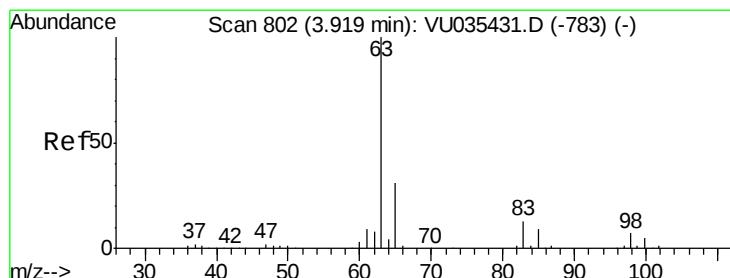
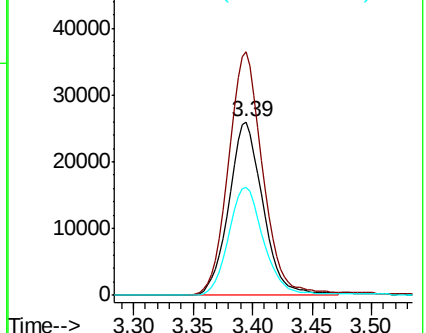
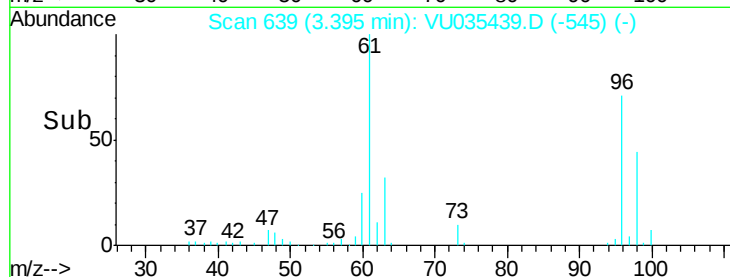
98 62.3 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035439.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035439.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035439.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.613 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

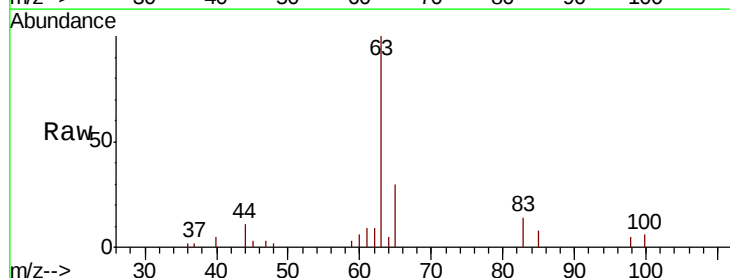
Tgt Ion: 63 Resp: 15793

Ion Ratio Lower Upper

63 100

65 30.3 22.4 41.6

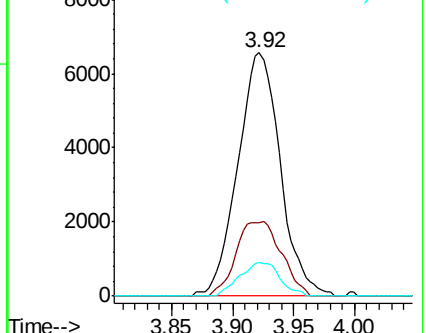
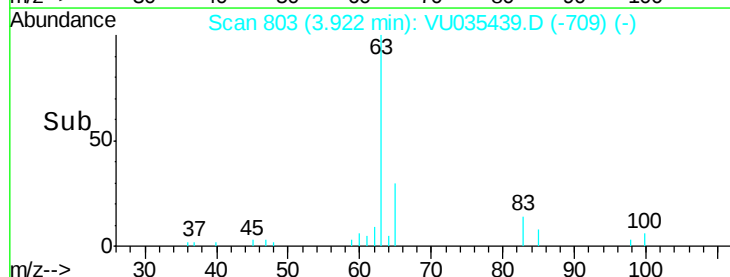
83 13.6 9.3 17.3

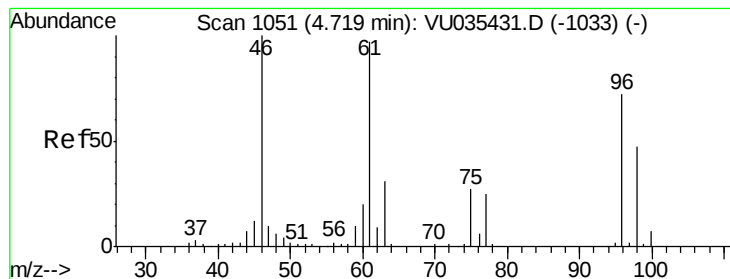


Abundance Ion 63.10 (62.80 to 63.80): VU035439.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035439.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035439.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 40.888 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

Instrument :

MSVOA_U

ClientSampleId :

H0G36

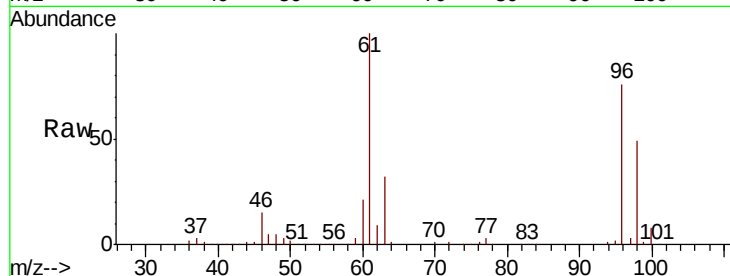
Tot Ion: 96 Resp: 644119

Ion Ratio Lower Upper

96 100

61 131.7 89.7 166.5

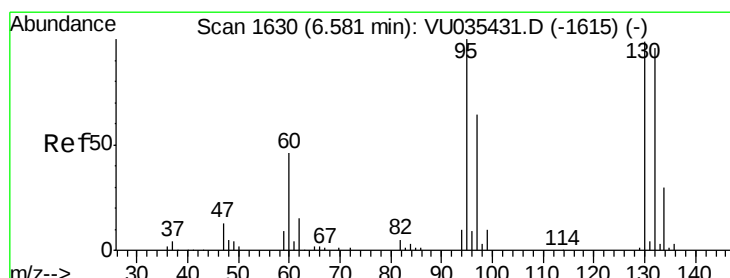
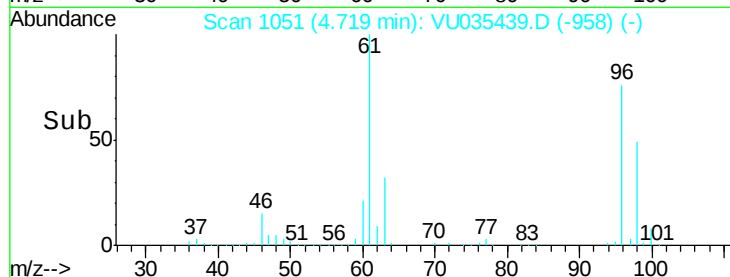
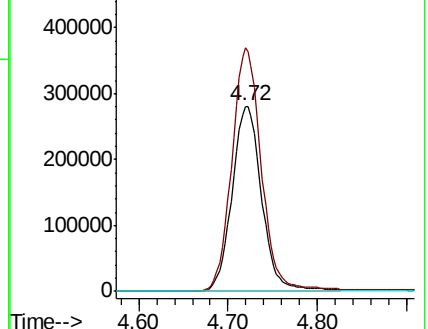
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035439.D (-1537) (-)

Ion 61.05 (60.75 to 61.75): VU035439.D (-1537) (-)

Ion 68.15 (67.85 to 68.85): VU035439.D (-1537) (-)



#34

Trichloroethene

Concen: 21.635 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035439.D

Acq: 24 Oct 2019 05:58

Tgt Ion: 95 Resp: 348734

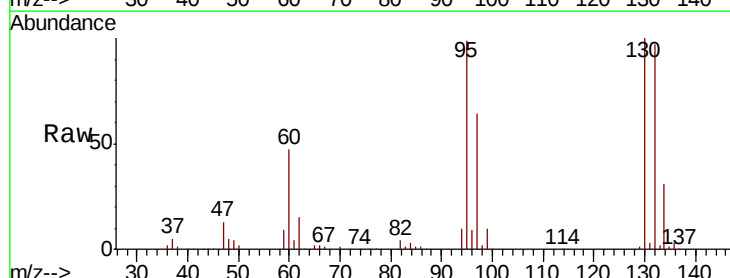
Ion Ratio Lower Upper

95 100

97 64.6 46.6 86.6

132 97.8 68.7 127.7

130 100.9 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VU035439.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035439.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035439.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035439.D (-1537) (-)

