

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102419\
 Data File : VU035465.D
 Acq On : 24 Oct 2019 17:44
 Operator : JC/SP
 Sample : K5488-16DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FZ1DL

Quant Time: Oct 25 07:53:25 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	214243	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	223354	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	62601	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	48273	3.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.80%
7) Chloroethane-d5	1.93	69	53784	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.59	63	68753	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.70	46	236931	63.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.22%
24) Chloroform-d	5.11	84	116887	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.75	65	70476	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.77	84	210938	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	6.74	67	79906	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.93	98	160913	3.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.80%#
43) trans-1,3-Dichloropropene-	8.21	79	26088	3.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.20%
46) 2-Hexanone-d5	8.68	63	140556	40.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.98%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	74507	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	50651	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

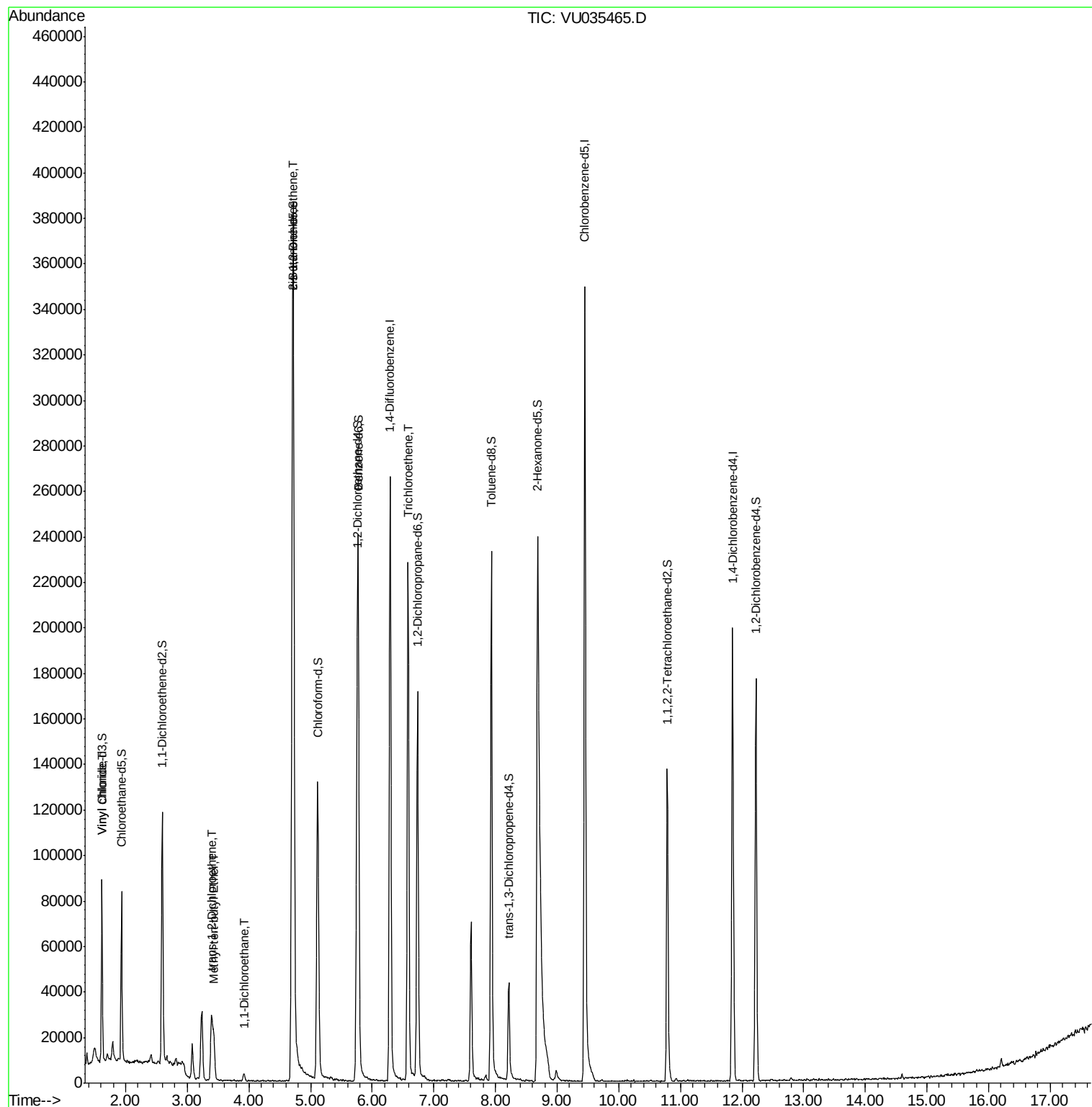
					Ovalue
5) Vinyl chloride	1.62	62	8219	0.442 ug/L #	53
17) Methyl tert-butyl Ether	3.43	73	22331	0.603 ug/L #	94
18) trans-1,2-Dichloroethene	3.39	96	11565	0.779 ug/L	95
19) 1,1-Dichloroethane	3.92	63	3266	0.122 ug/L	87
22) cis-1,2-Dichloroethene	4.72	96	142148	8.658 ug/L	100
34) Trichloroethene	6.58	95	77480	4.385 ug/L	95

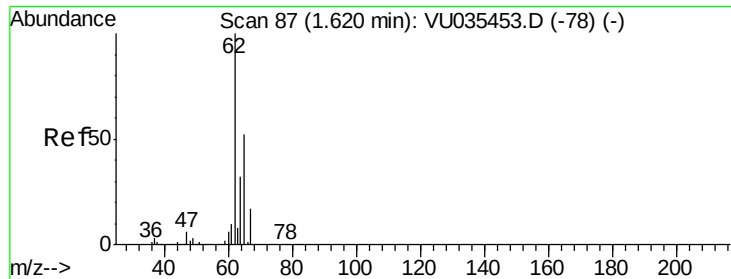
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.442 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035465.D

Acq: 24 Oct 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

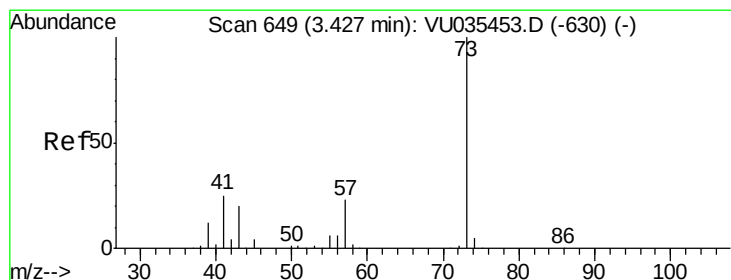
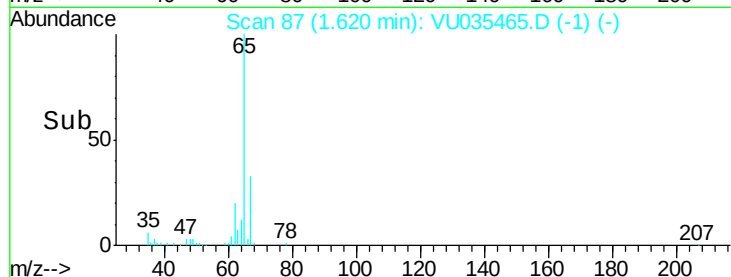
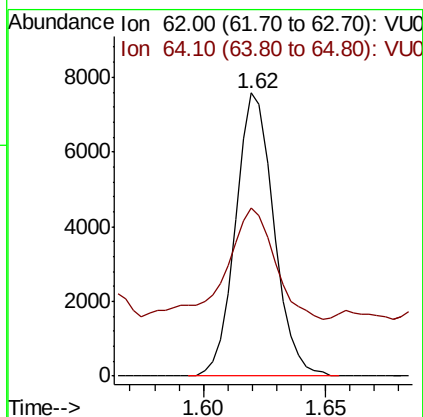
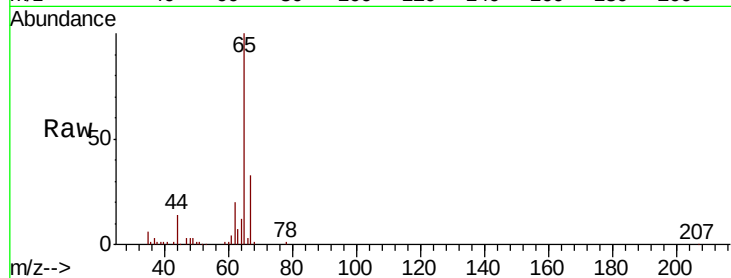
H0FZ1DL

Tot Ion: 62 Resp: 8219

Ion Ratio Lower Upper

62 100

64 59.3 22.9 42.5#



#17

Methyl tert-butyl Ether

Concen: 0.603 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035465.D

Acq: 24 Oct 2019 17:44

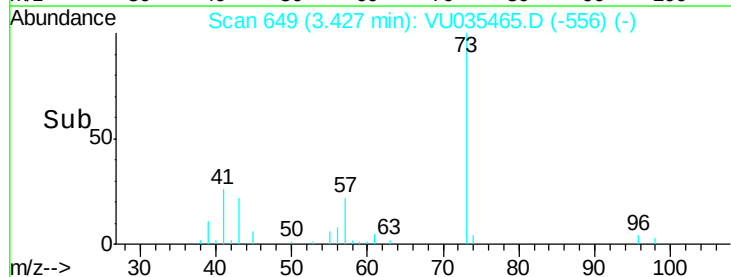
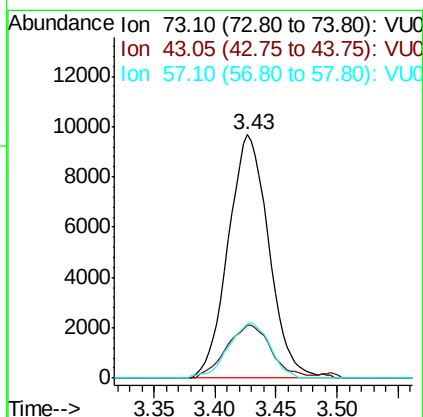
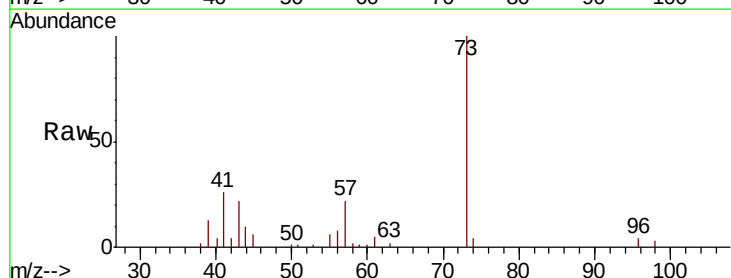
Tgt Ion: 73 Resp: 22331

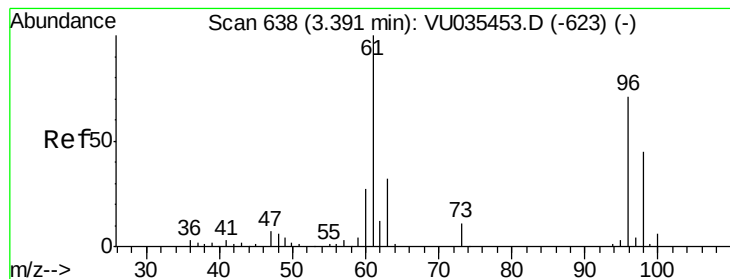
Ion Ratio Lower Upper

73 100

43 24.1 16.0 24.0#

57 23.1 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 0.779 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035465.D

Acq: 24 Oct 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

H0FZ1DL

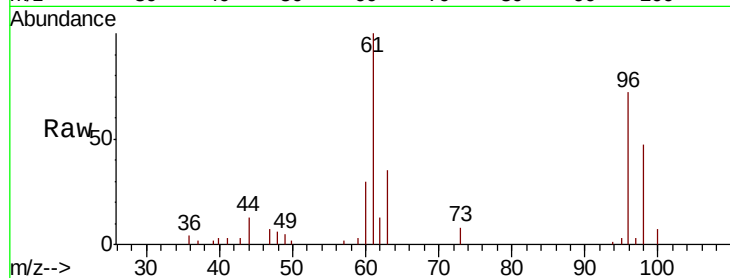
Tot Ion: 96 Resp: 11565

Ion Ratio Lower Upper

96 100

61 139.0 93.0 172.6

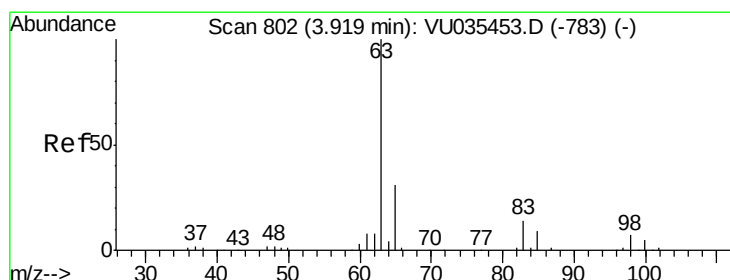
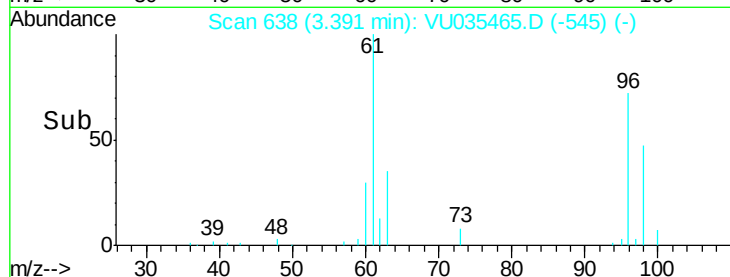
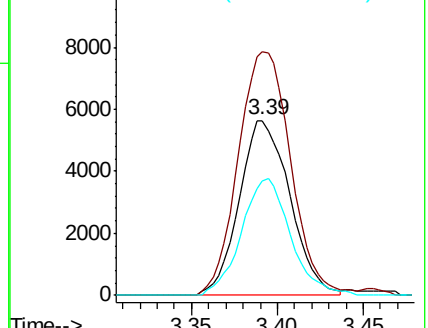
98 65.6 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035465.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035465.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035465.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.122 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035465.D

Acq: 24 Oct 2019 17:44

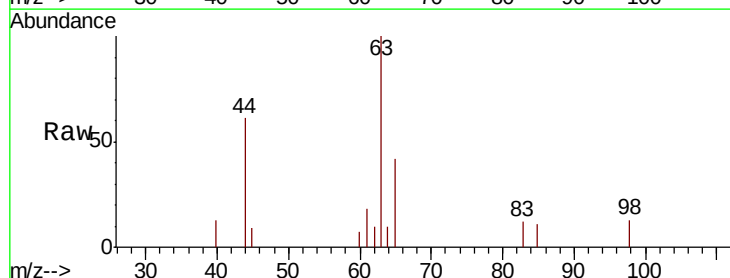
Tgt Ion: 63 Resp: 3266

Ion Ratio Lower Upper

63 100

65 41.6 22.4 41.6

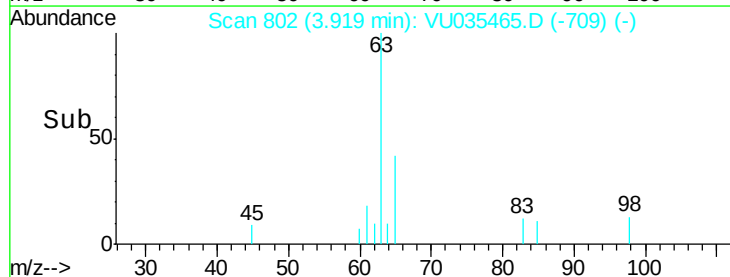
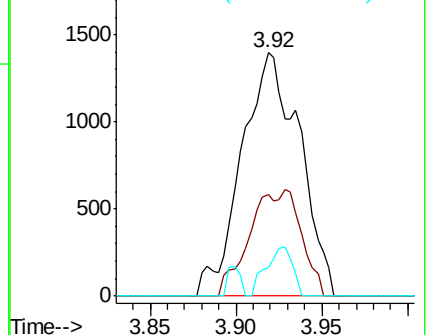
83 11.8 9.3 17.3

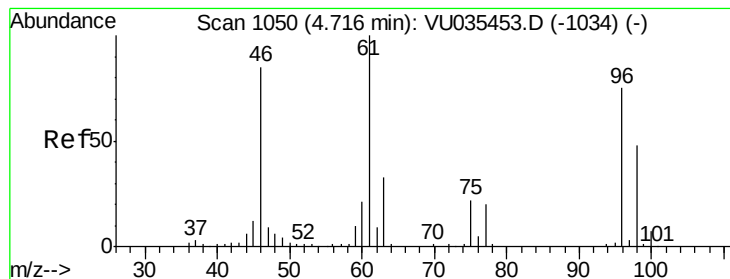


Abundance Ion 63.10 (62.80 to 63.80): VU035465.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035465.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035465.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 8.658 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035465.D

Acq: 24 Oct 2019 17:44

Instrument :

MSVOA_U

ClientSampleId :

H0FZ1DL

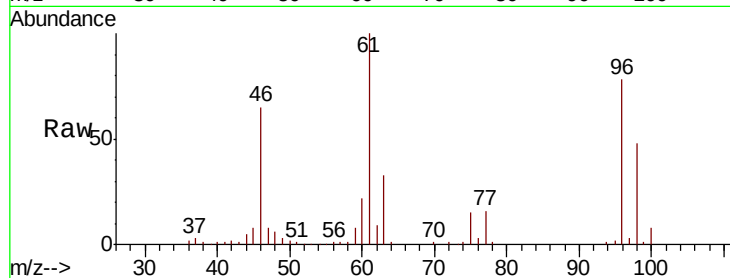
Tot Ion: 96 Resp: 142148

Ion Ratio Lower Upper

96 100

61 128.6 89.7 166.5

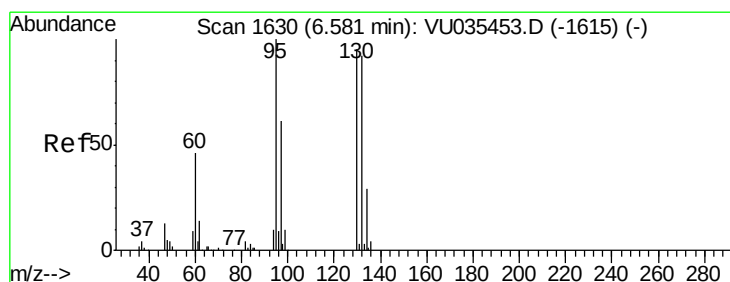
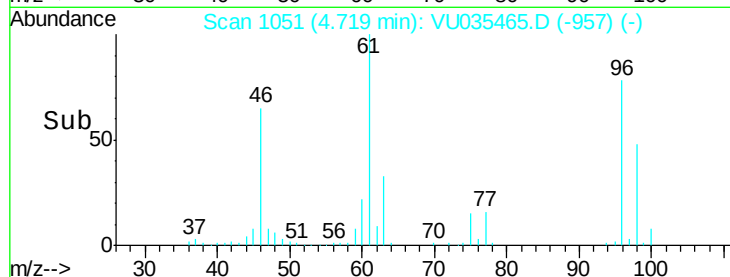
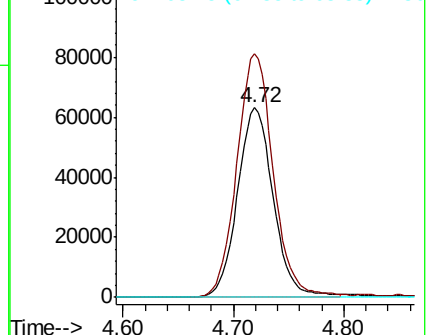
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035465.D (-1537) (-)

Ion 61.05 (60.75 to 61.75): VU035465.D (-1537) (-)

Ion 68.15 (67.85 to 68.85): VU035465.D (-1537) (-)



#34

Trichloroethene

Concen: 4.385 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035465.D

Acq: 24 Oct 2019 17:44

Tgt Ion: 95 Resp: 77480

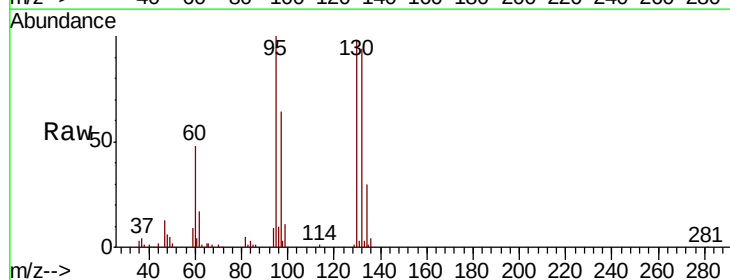
Ion Ratio Lower Upper

95 100

97 64.5 46.6 86.6

132 93.7 68.7 127.7

130 97.9 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VU035465.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035465.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035465.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035465.D (-1537) (-)

