

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102419\
 Data File : VU035474.D
 Acq On : 24 Oct 2019 21:26
 Operator : JC/SP
 Sample : K5509-04DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G43DL

Quant Time: Oct 25 15:14:33 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	201771	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	209562	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	58488	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	44913	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.93	69	49800	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	63403	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	4.70	46	228302	64.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.14%
24) Chloroform-d	5.11	84	110017	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.75	65	68976	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.77	84	197552	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.73	67	76140	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.93	98	148656	3.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.80%#
43) trans-1,3-Dichloropropene-	8.21	79	25568	3.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.20%
46) 2-Hexanone-d5	8.68	63	145066	44.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.08%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	74509	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	47967	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

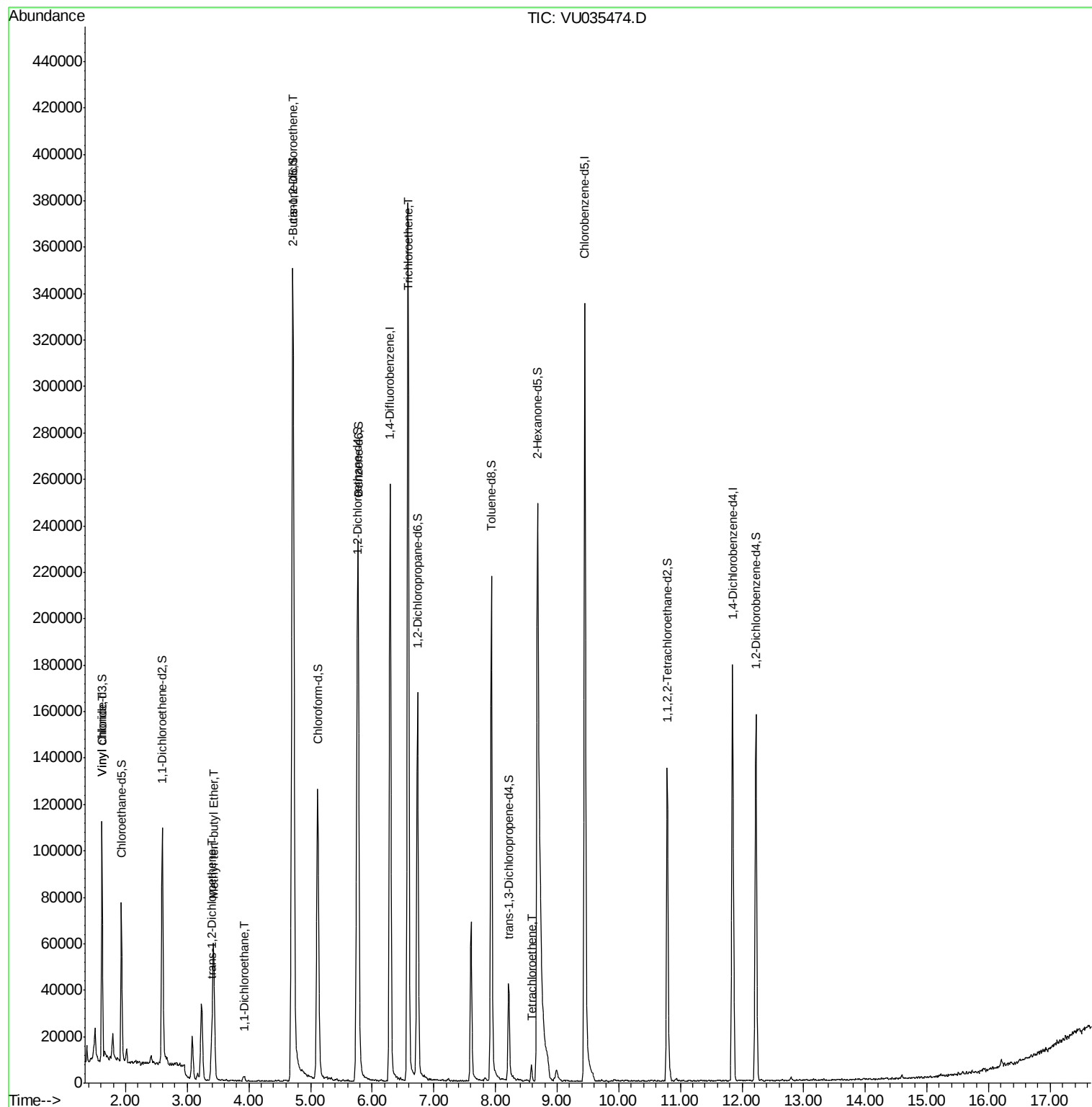
					Ovalue
5) Vinyl chloride	1.62	62	19224	1.099 ug/L	# 80
17) Methyl tert-butyl Ether	3.42	73	59720	1.712 ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	5001	0.357 ug/L	95
19) 1,1-Dichloroethane	3.92	63	3054	0.121 ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	126795	8.200 ug/L	94
34) Trichloroethene	6.58	95	126497	7.631 ug/L	97
47) Tetrachloroethene	8.58	164	1710	0.124 ug/L	82

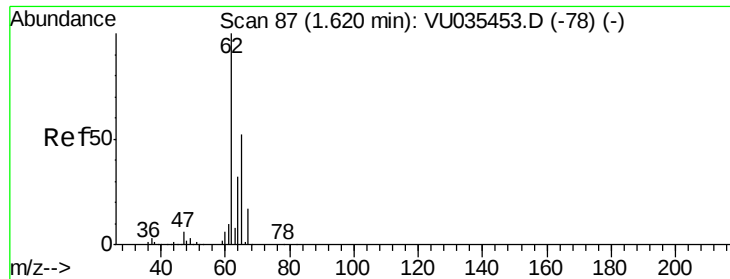
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 1.099 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

Instrument :

MSVOA_U

ClientSampleId :

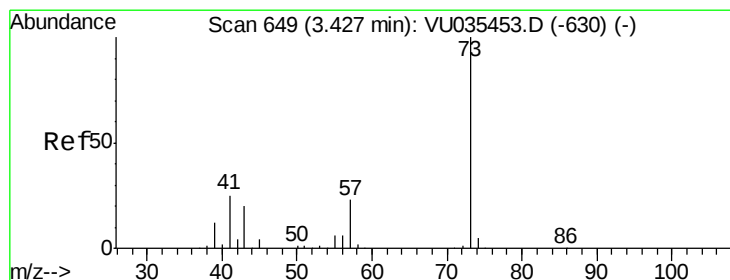
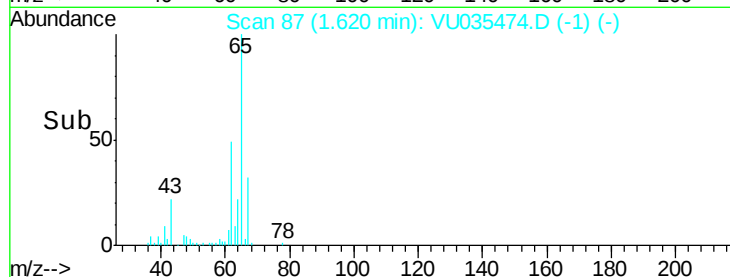
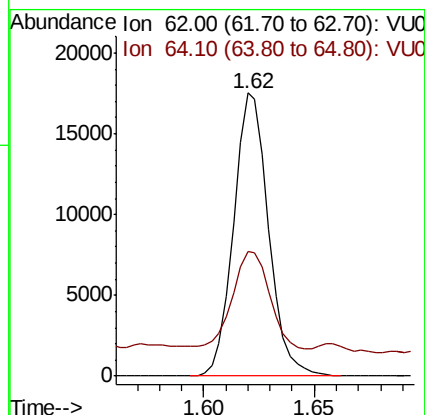
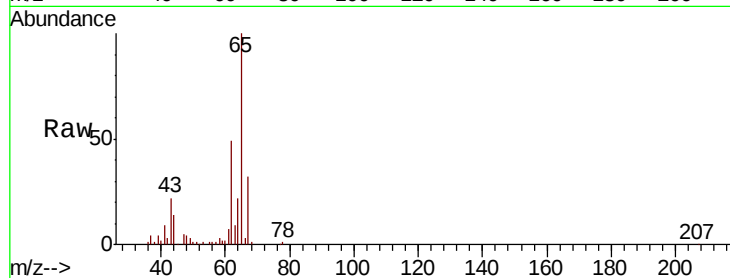
H0G43DL

Tot Ion: 62 Resp: 19224

Ion Ratio Lower Upper

62 100

64 44.2 22.9 42.5#



#17

Methyl tert-butyl Ether

Concen: 1.712 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

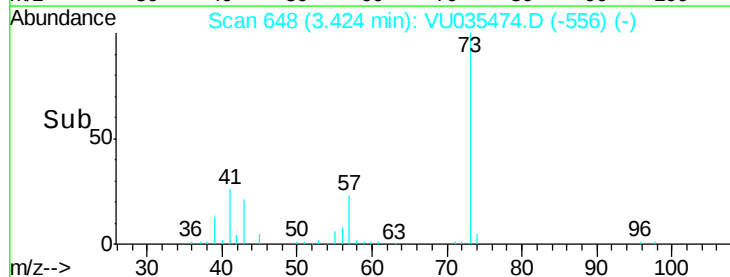
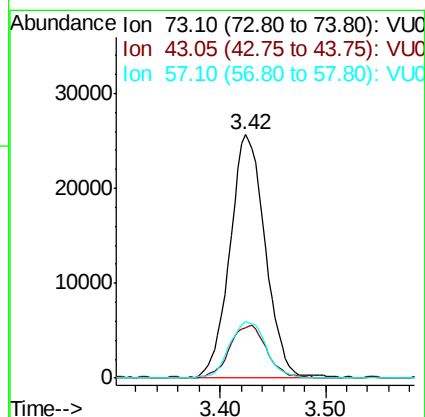
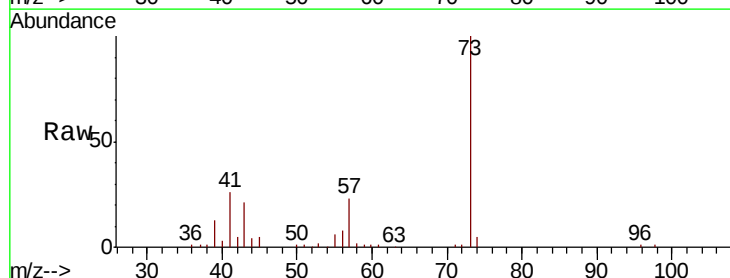
Tgt Ion: 73 Resp: 59720

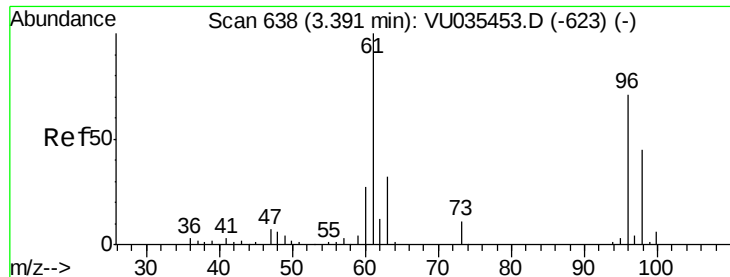
Ion Ratio Lower Upper

73 100

43 22.8 16.0 24.0

57 23.9 17.4 26.2

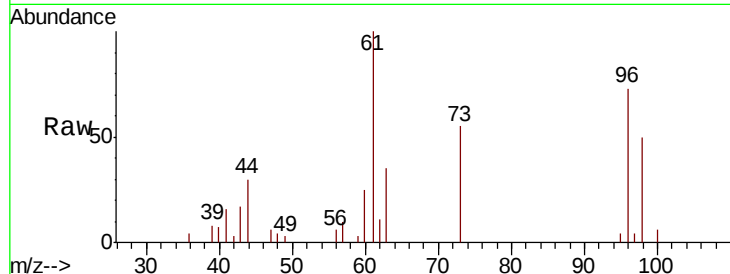




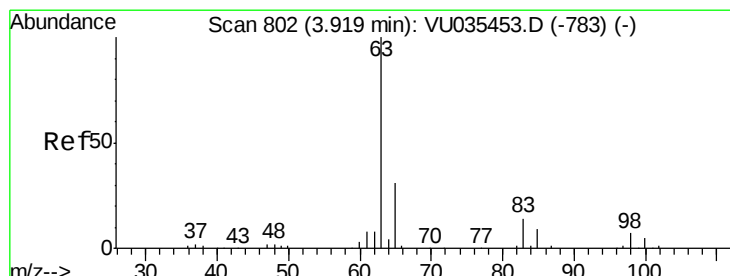
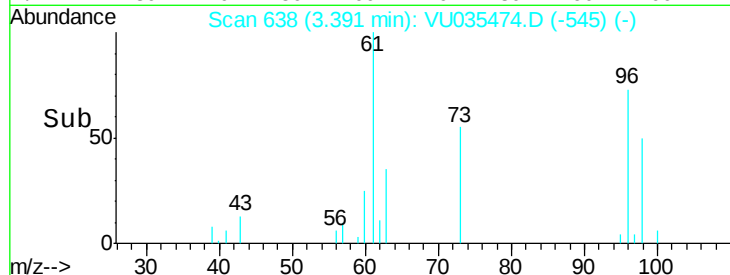
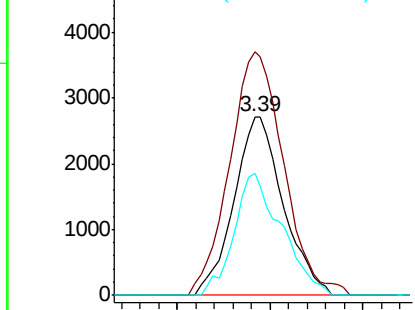
#18
trans-1,2-Dichloroethene
Concen: 0.357 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035474.D
Acq: 24 Oct 2019 21:26

Instrument :
MSVOA_U
ClientSampleId :
H0G43DL

Tot Ion: 96 Resp: 5001
Ion Ratio Lower Upper
96 100
61 136.4 93.0 172.6
98 68.3 43.7 81.1

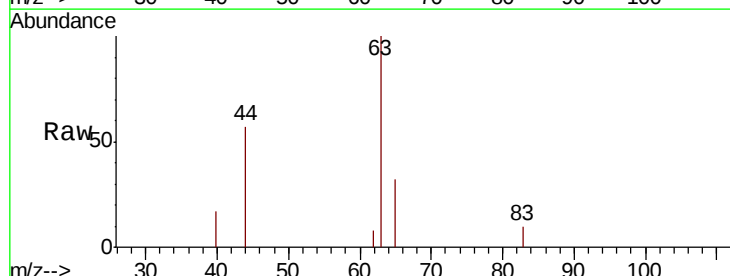


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

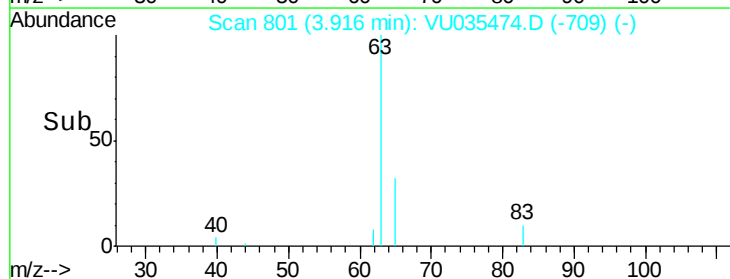
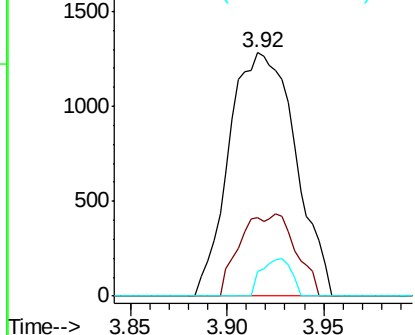


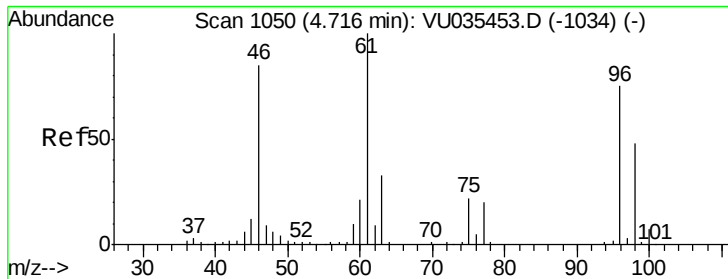
#19
1,1-Dichloroethane
Concen: 0.121 ug/L
RT: 3.92 min Scan# 801
Delta R.T. -0.00 min
Lab File: VU035474.D
Acq: 24 Oct 2019 21:26

Tgt Ion: 63 Resp: 3054
Ion Ratio Lower Upper
63 100
65 32.2 22.4 41.6
83 10.1 9.3 17.3



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: 8.200 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

Instrument :
MSVOA_U
ClientSampleId :
H0G43DL

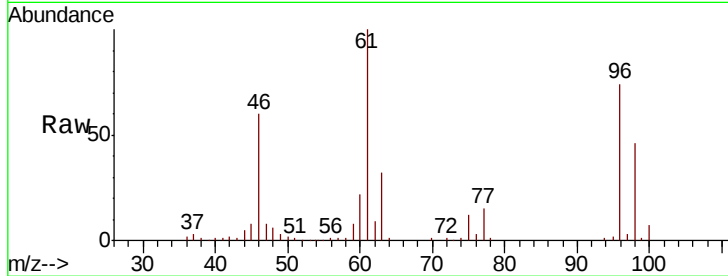
Tot Ion: 96 Resp: 126795

Ion Ratio Lower Upper

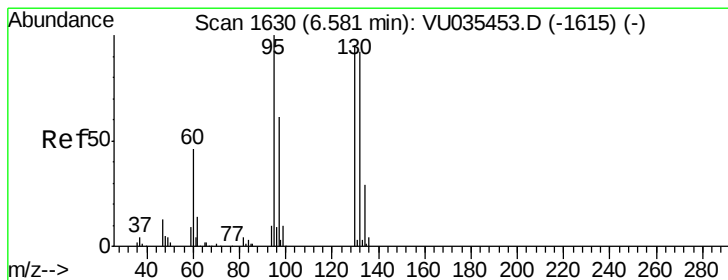
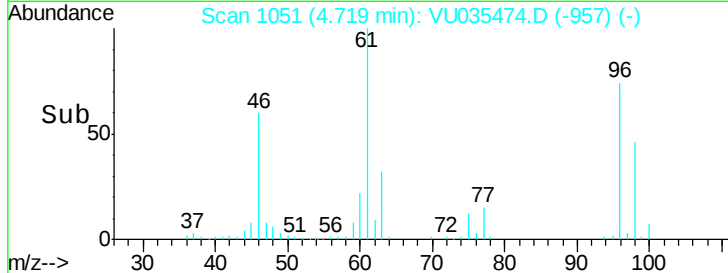
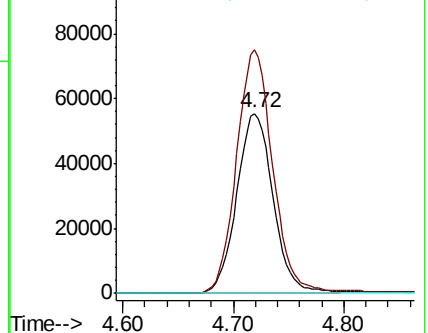
96 100

61 135.2 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#34

Trichloroethene

Concen: 7.631 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

Tgt Ion: 95 Resp: 126497

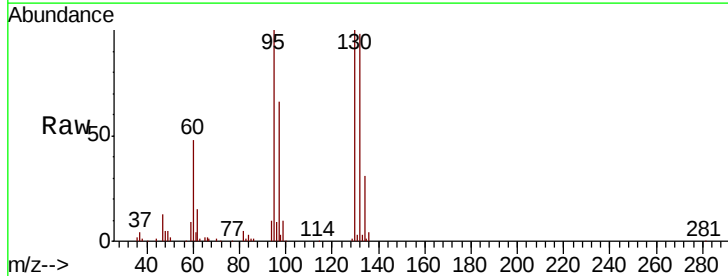
Ion Ratio Lower Upper

95 100

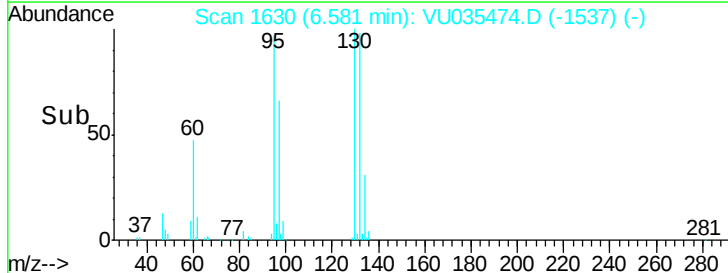
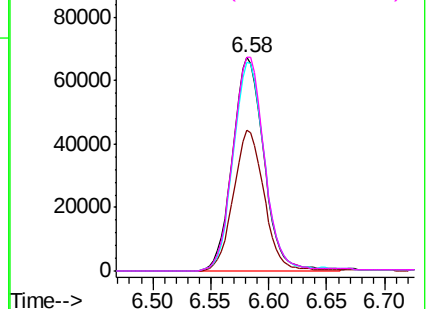
97 65.9 46.6 86.6

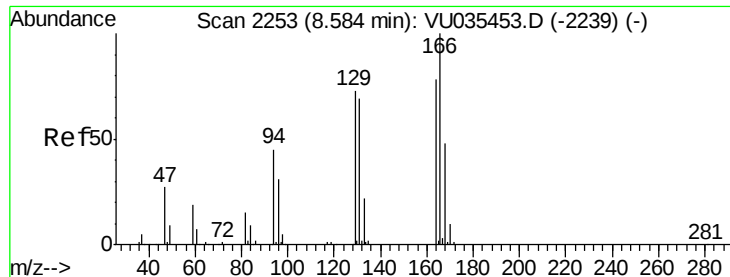
132 97.6 68.7 127.7

130 99.9 73.9 137.3



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: 0.124 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

Instrument :

MSVOA_U

ClientSampleId :

H0G43DL

Tot Ion:164 Resp: 1710

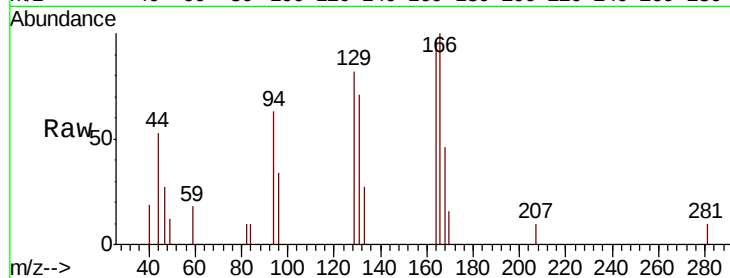
Ion Ratio Lower Upper

164 100

129 84.0 65.2 121.0

131 73.2 62.9 116.9

166 102.8 91.5 169.9



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

