

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033429.D
 Acq On : 25 Jul 2019 23:00
 Operator : JC/SP
 Sample : K3976-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CB5

Quant Time: Jul 26 07:30:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 05:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	278254	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	285870	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	123613	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122709	58.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.52%
7) Chloroethane-d5	1.67	69	108834	60.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.96%
11) 1,1-Dichloroethene-d2	2.25	63	166424	43.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.12%
21) 2-Butanone-d5	4.15	46	152826	114.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.51%
24) Chloroform-d	4.62	84	196820	55.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.52%
26) 1,2-Dichloroethane-d4	5.29	65	130119	57.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.94%
32) Benzene-d6	5.32	84	398158	56.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.54%
36) 1,2-Dichloropropane-d6	6.31	67	125438	55.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.68%
41) Toluene-d8	7.55	98	363228	54.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.84%
43) trans-1,3-Dichloropropene-	7.83	79	57729	52.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.82%
47) 2-Hexanone-d5	8.30	63	108693	107.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.33%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	190043	55.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.78%
64) 1,2-Dichlorobenzene-d4	11.85	152	135213	61.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	122.68%#

Target Compounds

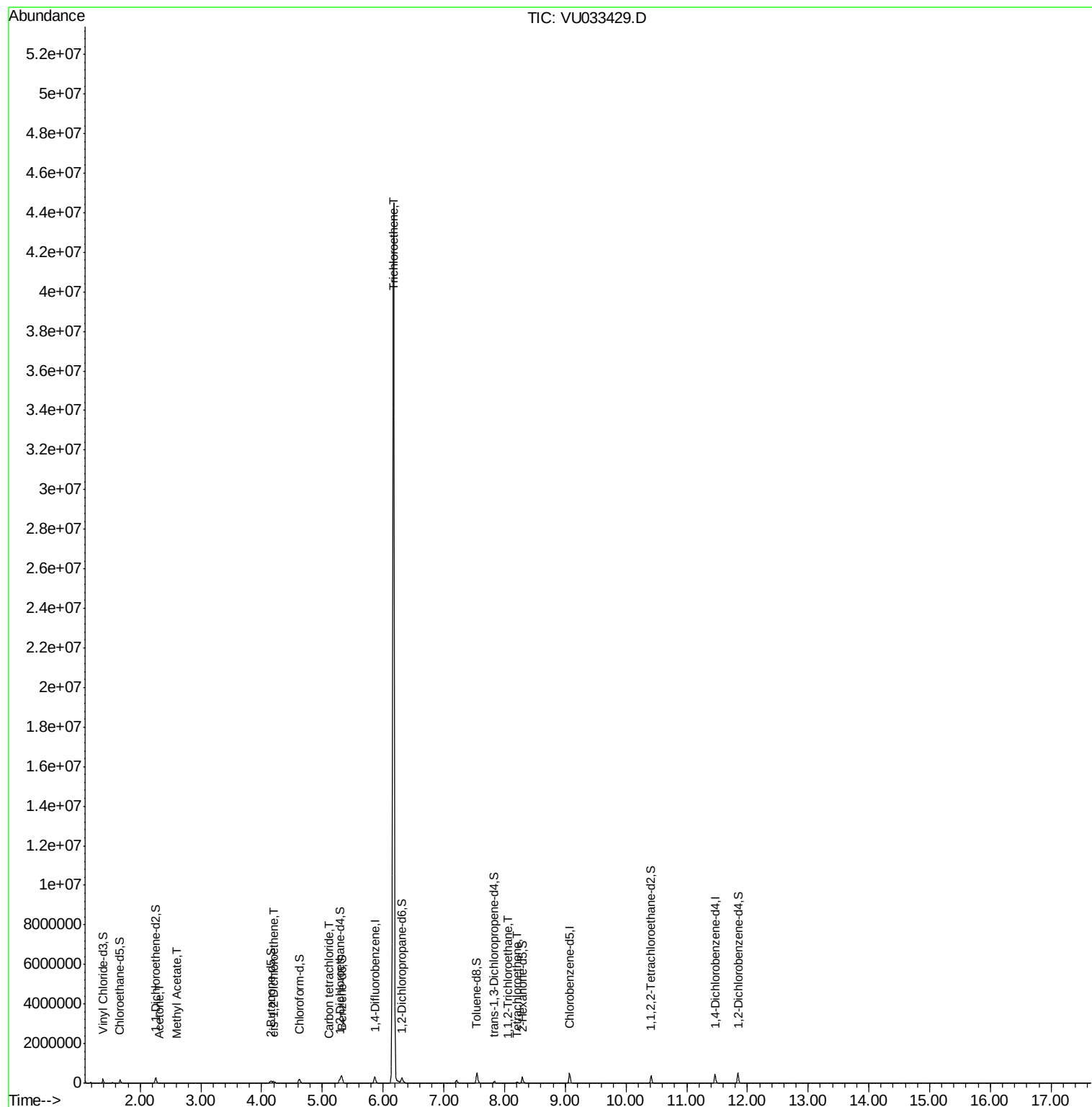
					Ovalue
13) Acetone	2.31	43	2878	1.726 ug/L	91
15) Methyl Acetate	2.60	43	4630	2.126 ug/L #	87
20) cis-1,2-Dichloroethene	4.20	96	34984	16.158 ug/L	99
31) Carbon tetrachloride	5.11	117	2137	0.732 ug/L	98
34) Trichloroethene	6.17	95	14150170	6490.057 ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	4034	1.887 ug/L	96
46) Tetrachloroethene	8.21	164	9828	5.823 ug/L	98

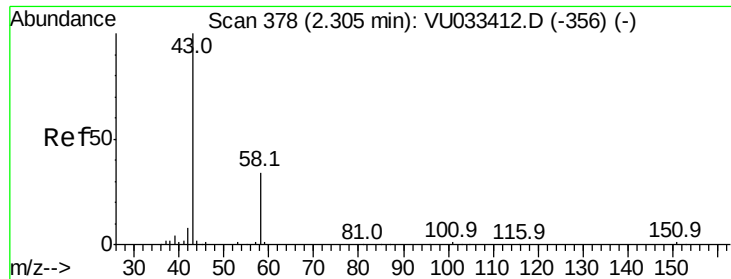
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.726 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

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Acq: 25 Jul 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

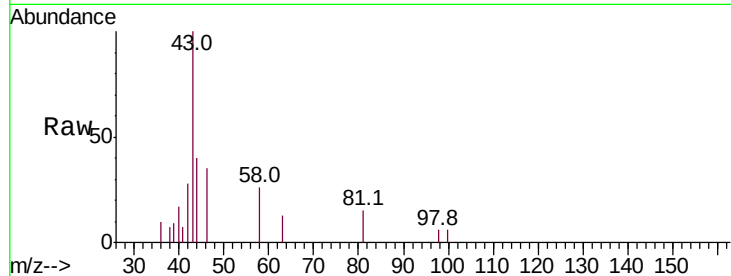
C0CB5

Tot Ion: 43 Resp: 2878

Ion Ratio Lower Upper

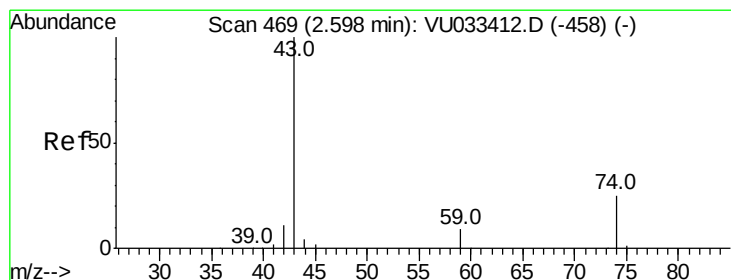
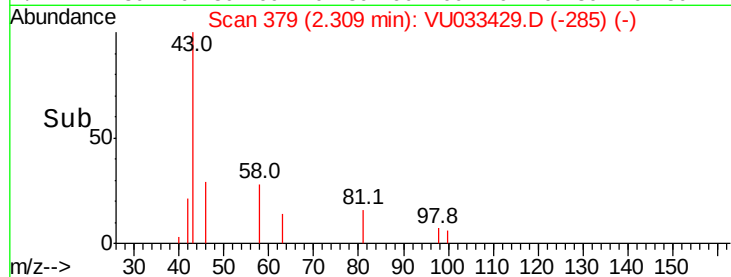
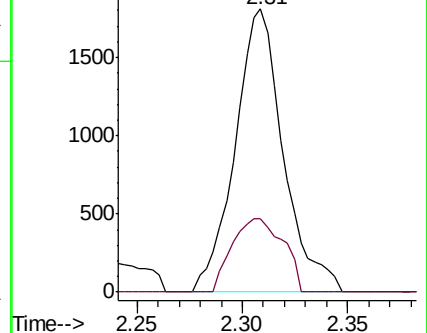
43 100

58 27.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#15

Methyl Acetate

Concen: 2.126 ug/L

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU033429.D

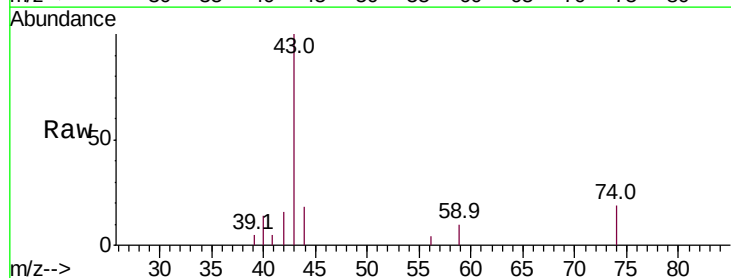
Acq: 25 Jul 2019 23:00

Tgt Ion: 43 Resp: 4630

Ion Ratio Lower Upper

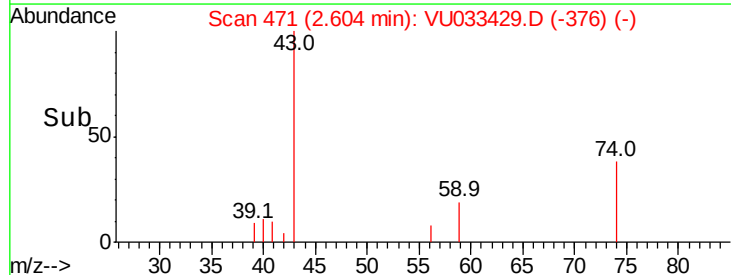
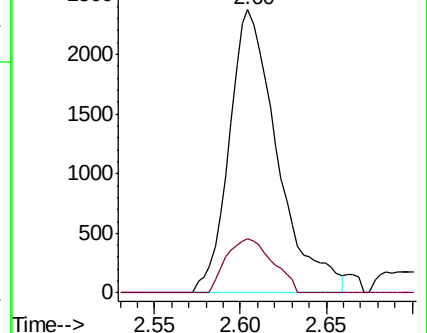
43 100

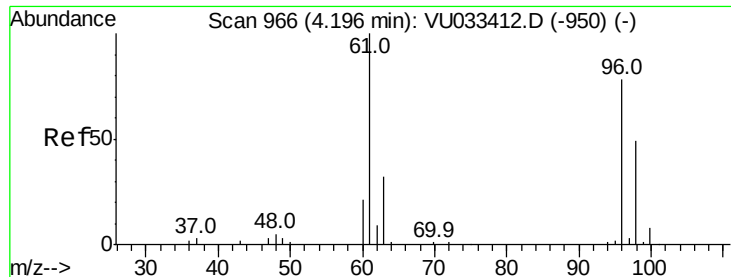
74 18.5 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 16.158 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033429.D

Acq: 25 Jul 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

C0CB5

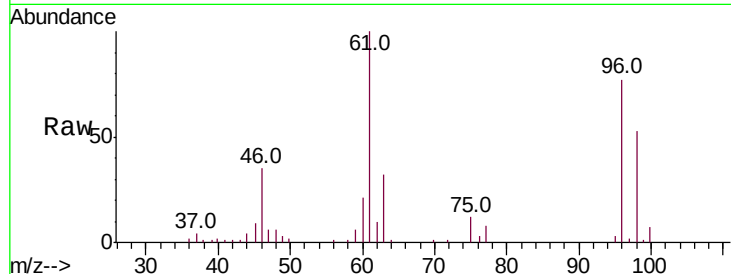
Tot Ion: 96 Resp: 34984

Ion Ratio Lower Upper

96 100

61 129.3 91.1 169.1

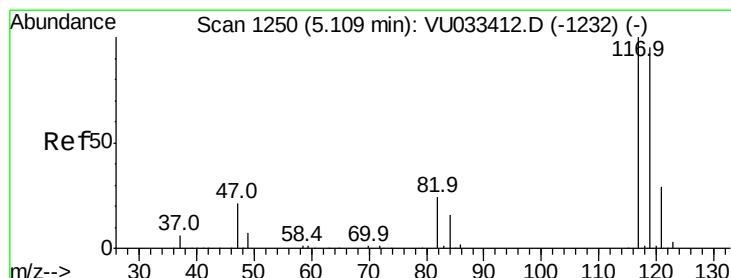
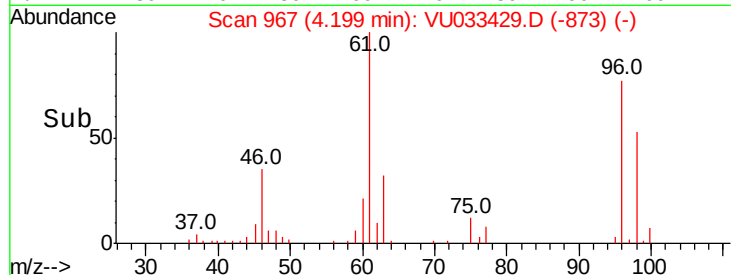
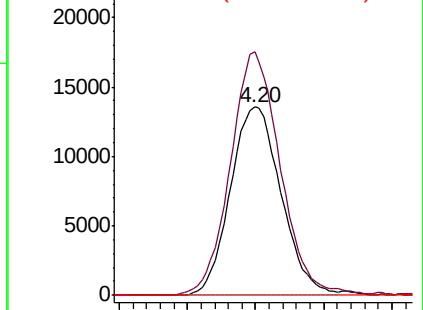
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033429.D (-950) (-)

Ion 61.00 (60.70 to 61.70): VU033429.D (-950) (-)

Ion 68.00 (67.70 to 68.70): VU033429.D (-950) (-)



#31

Carbon tetrachloride

Concen: 0.732 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033429.D

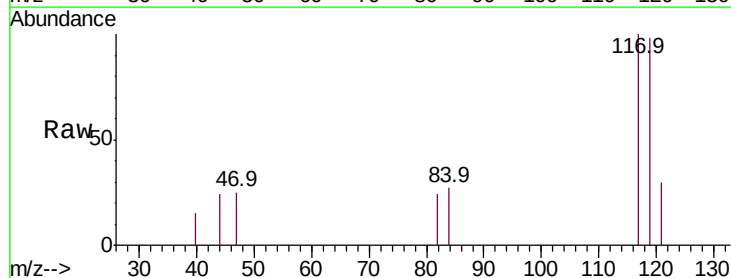
Acq: 25 Jul 2019 23:00

Tgt Ion: 117 Resp: 2137

Ion Ratio Lower Upper

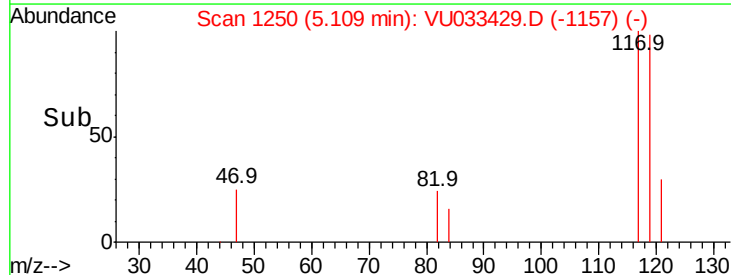
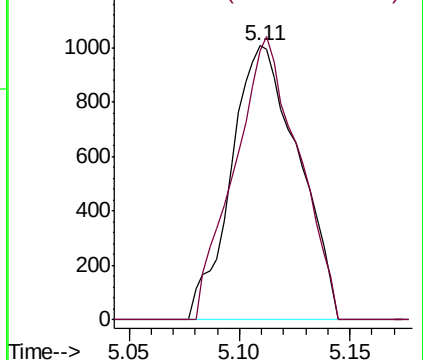
117 100

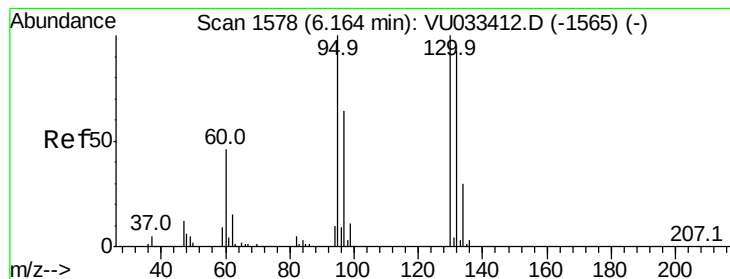
119 98.2 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): VU033429.D (-1157) (-)

Ion 119.00 (118.70 to 119.70): VU033429.D (-1157) (-)





#34

Trichloroethene

Concen: 6490.057 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033429.D

Acq: 25 Jul 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

C0CB5

Tot Ion: 95 Resp:14150170

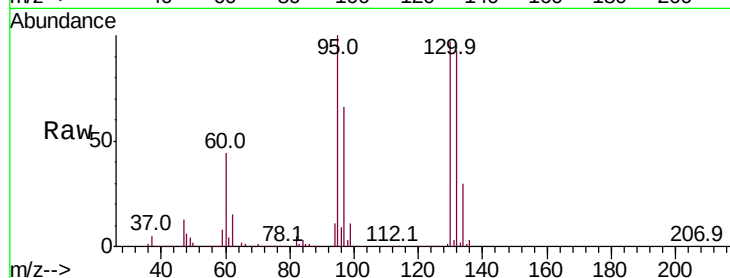
Ion Ratio Lower Upper

95 100

97 66.2 43.8 81.4

132 93.2 65.5 121.6

130 97.2 69.7 129.5



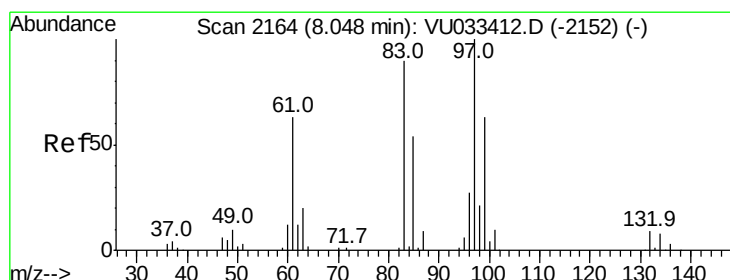
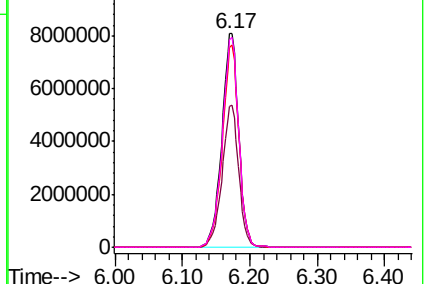
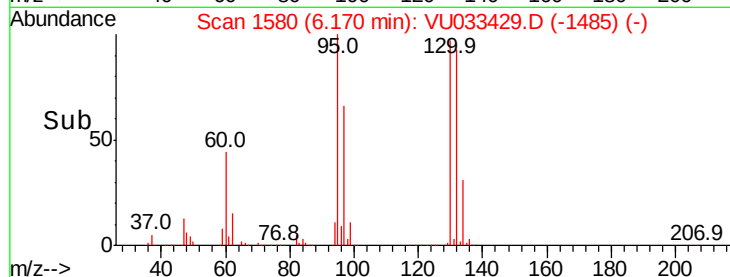
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#45

1,1,2-Trichloroethane

Concen: 1.887 ug/L

RT: 8.05 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VU033429.D

Acq: 25 Jul 2019 23:00

Tgt Ion: 97 Resp: 4034

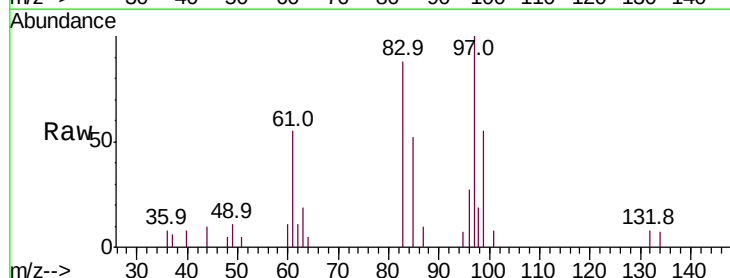
Ion Ratio Lower Upper

97 100

99 55.2 43.0 79.8

83 87.9 61.5 114.3

85 51.6 38.8 72.0



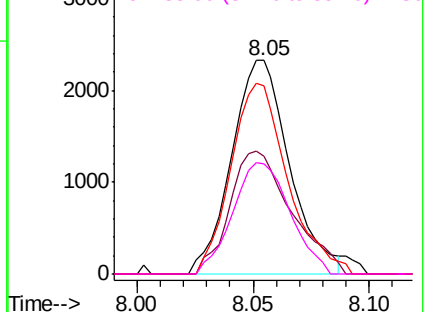
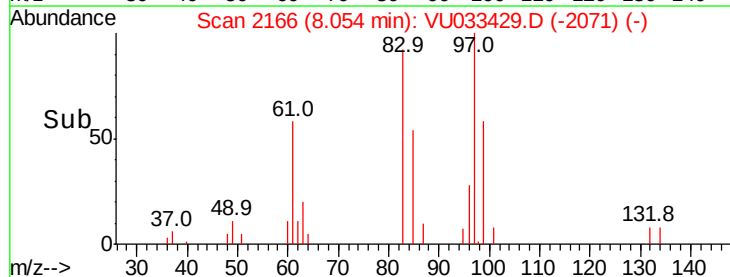
Abundance

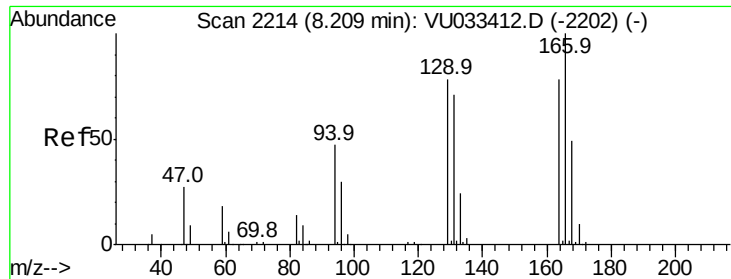
Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#46

Tetrachloroethene

Concen: 5.823 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033429.D

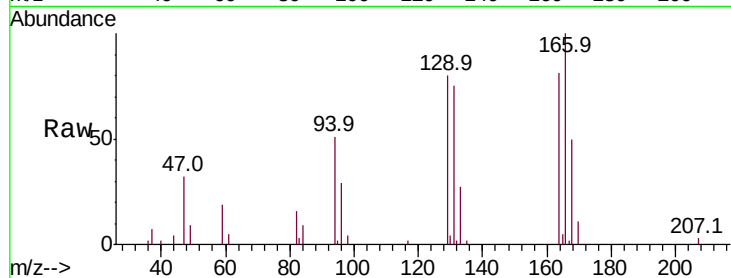
Acq: 25 Jul 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

C0CB5



Tot Ion:164 Resp: 9828

Ion Ratio Lower Upper

164 100

129 98.9 69.6 129.2

131 92.4 65.7 122.1

166 123.0 88.5 164.4

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

