

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025448.D
 Acq On : 17 Jul 2018 01:02
 Operator : MD/SY
 Sample : J3984-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB190

Quant Time: Jul 17 12:40:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:54:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	325877	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	299611	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	144194	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80237	45.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.58%
7) Chloroethane-d5	1.67	69	67638	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.02%
11) 1,1-Dichloroethene-d2	2.27	63	125423	33.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.24%
21) 2-Butanone-d5	4.18	46	188712	106.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.59%
24) Chloroform-d	4.65	84	177906	42.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.58%
26) 1,2-Dichloroethane-d4	5.31	65	127215	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
32) Benzene-d6	5.34	84	347445	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
36) 1,2-Dichloropropane-d6	6.33	67	116854	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.98%
41) Toluene-d8	7.57	98	331068	44.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.52%
43) trans-1,3-Dichloropropene-	7.85	79	45981	37.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.44%
47) 2-Hexanone-d5	8.31	63	136050	104.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.75%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	175431	46.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	138162	45.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.72%

Target Compounds

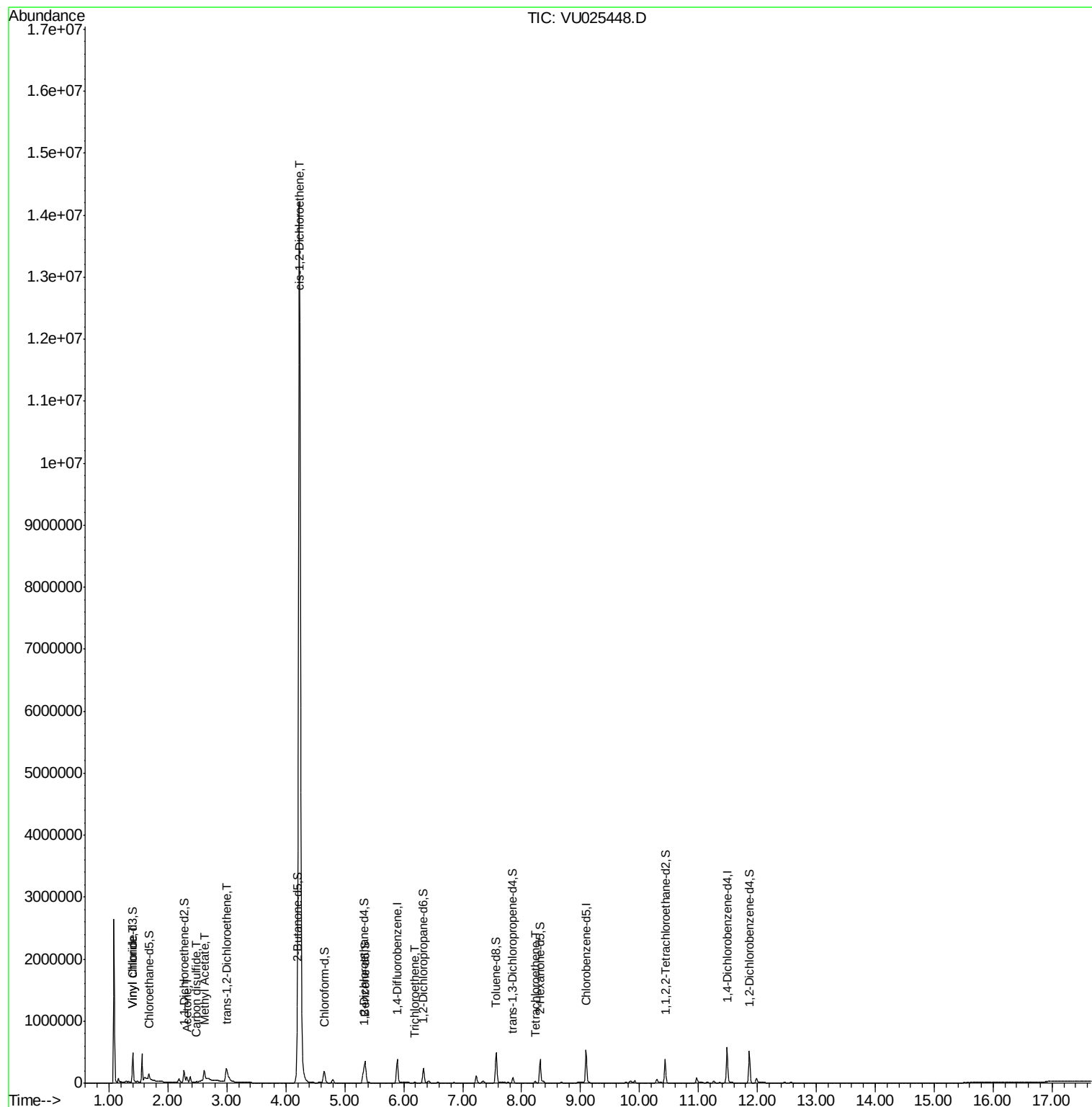
						Ovalue
5) Vinyl chloride	1.40	62	245651	98.73	ug/L	100
13) Acetone	2.32	43	94636	50.78	ug/L	99
14) Carbon disulfide	2.48	76	27714	4.61	ug/L #	95
15) Methyl Acetate	2.62	43	176993	63.88	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	148837	69.85	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	8411375	3363.83	ug/L	98
34) Trichloroethene	6.18	95	2932	1.26	ug/L	89
46) Tetrachloroethene	8.23	164	5495	2.84	ug/L	95

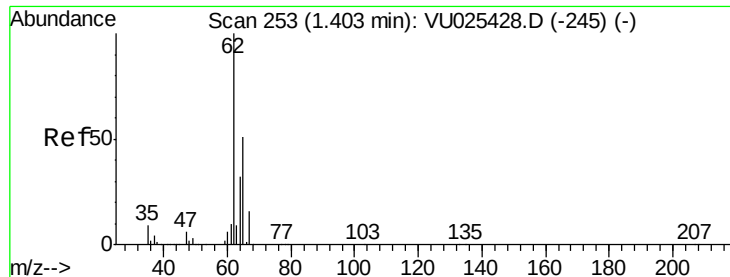
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 98.73 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025448.D

Acq: 17 Jul 2018 01:02

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MSVOA_U

ClientSampleId :

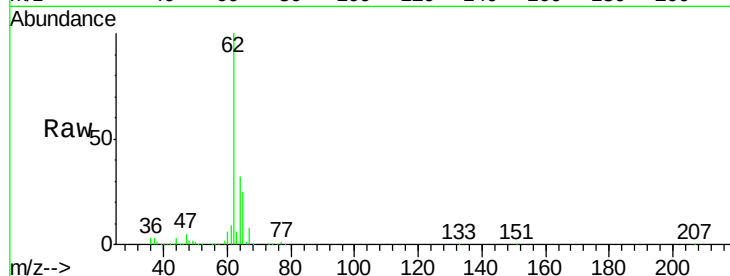
DB190

Tot Ion: 62 Resp: 245651

Ion Ratio Lower Upper

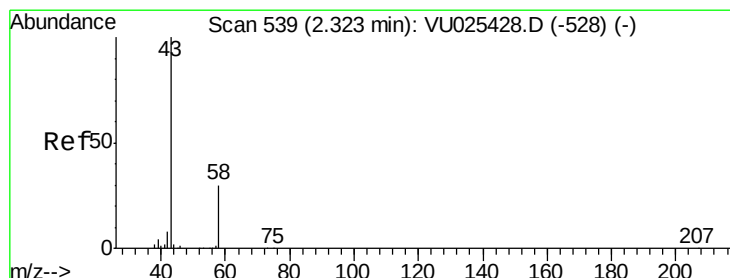
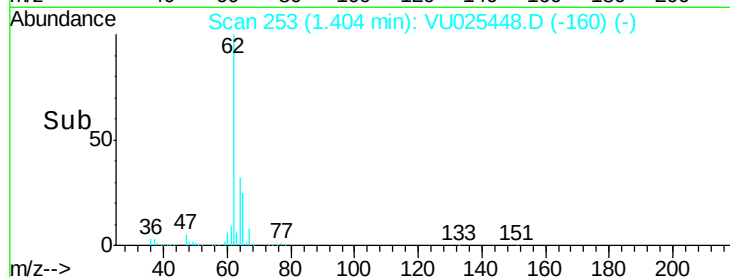
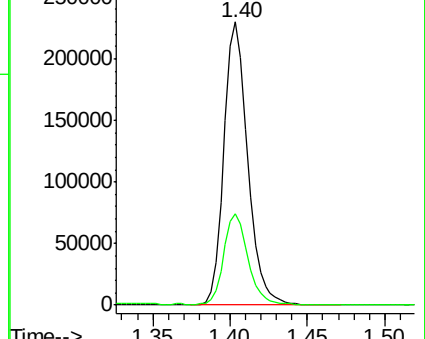
62 100

64 32.4 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 50.78 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025448.D

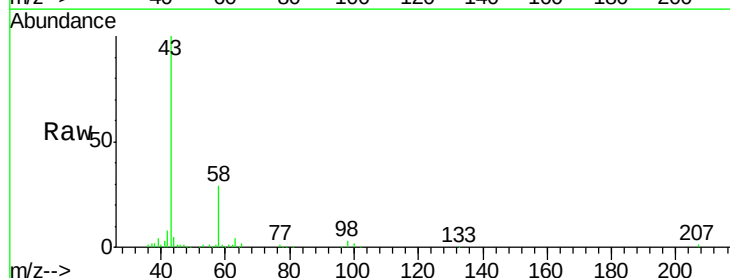
Acq: 17 Jul 2018 01:02

Tgt Ion: 43 Resp: 94636

Ion Ratio Lower Upper

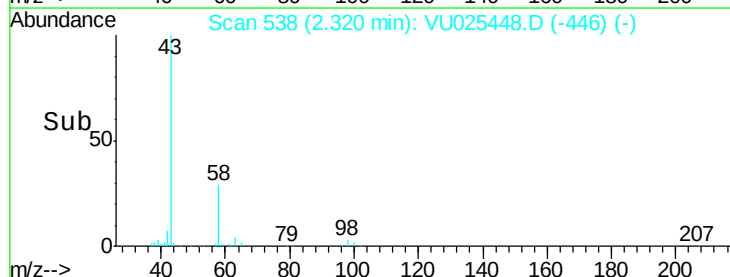
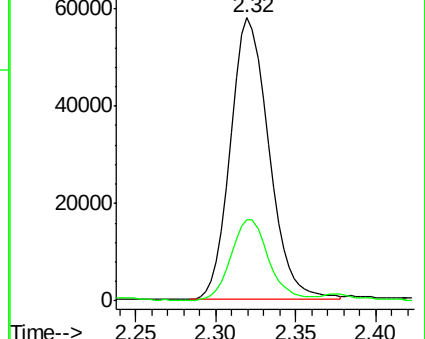
43 100

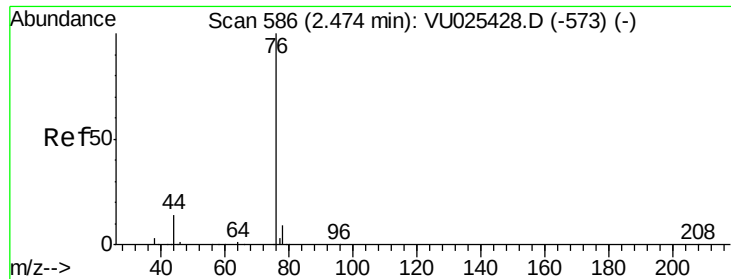
58 28.5 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 4.61 ug/L

RT: 2.48 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU025448.D

Acq: 17 Jul 2018 01:02

Instrument :

MSVOA_U

ClientSampleId :

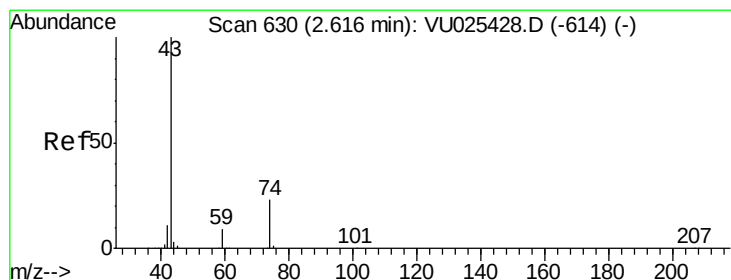
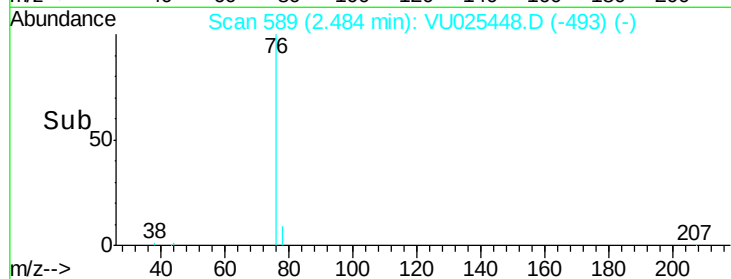
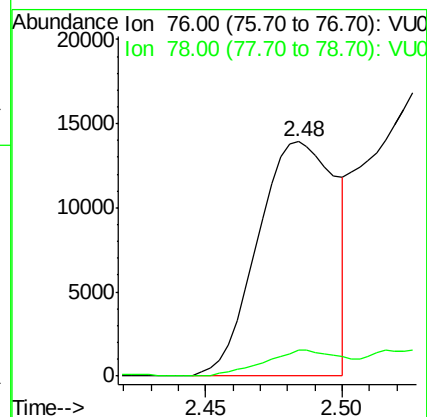
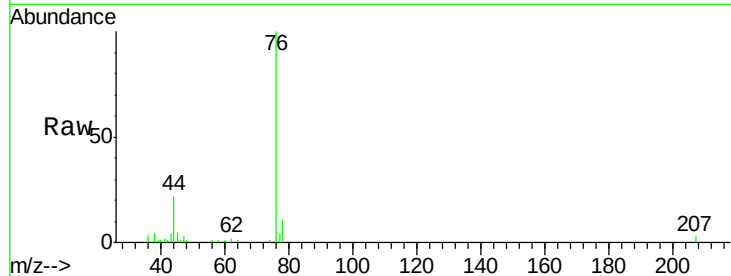
DB190

Tot Ion: 76 Resp: 27714

Ion Ratio Lower Upper

76 100

78 10.9 7.2 10.8#



#15

Methyl Acetate

Concen: 63.88 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025448.D

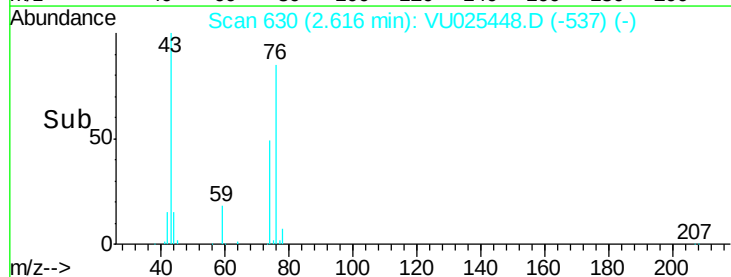
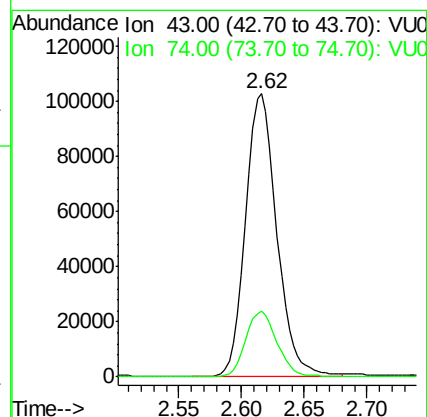
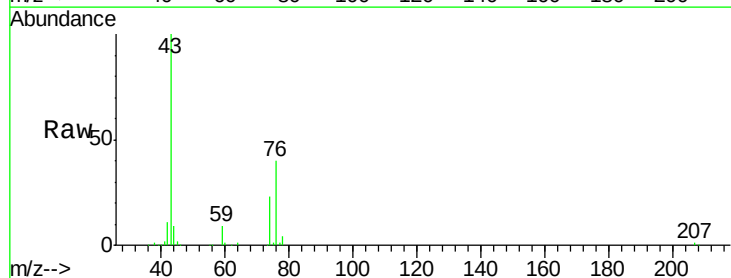
Acq: 17 Jul 2018 01:02

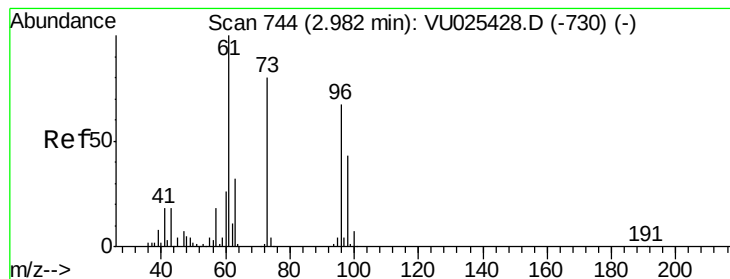
Tgt Ion: 43 Resp: 176993

Ion Ratio Lower Upper

43 100

74 23.4 18.8 28.2





#17

trans-1,2-Dichloroethene

Concen: 69.85 ug/L

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU025448.D

Acq: 17 Jul 2018 01:02

Instrument :

MSVOA_U

ClientSampleId :

DB190

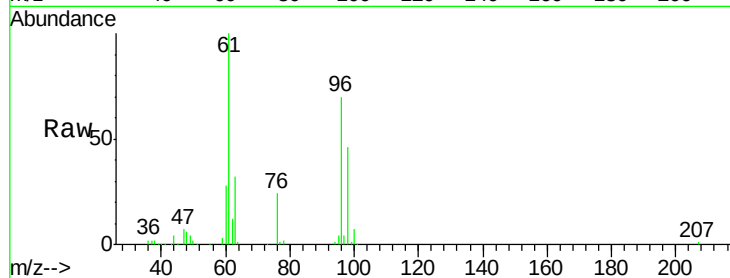
Tot Ion: 96 Resp: 148837

Ion Ratio Lower Upper

96 100

61 142.0 98.2 182.4

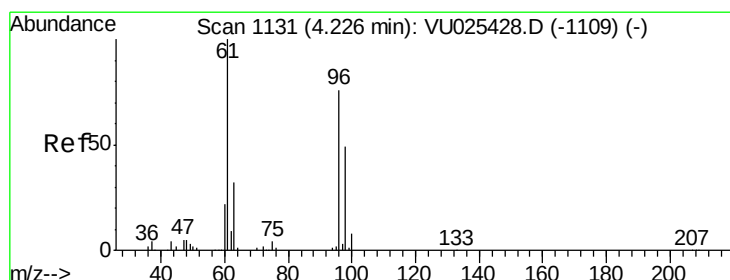
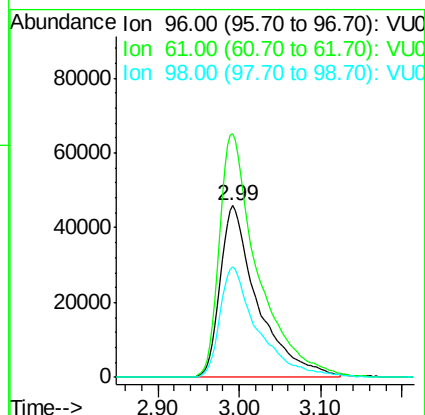
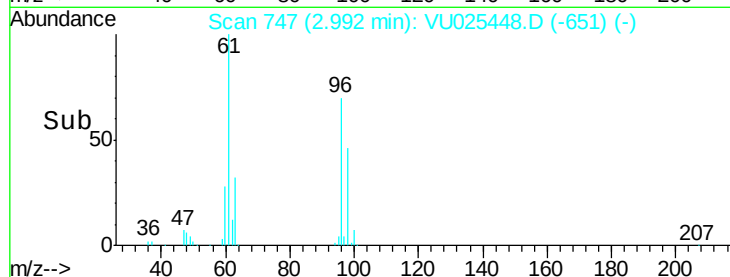
98 64.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 3363.83 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025448.D

Acq: 17 Jul 2018 01:02

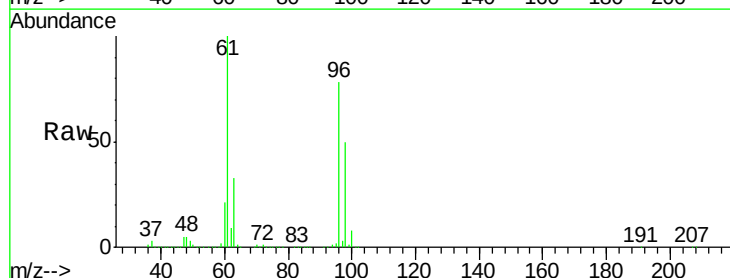
Tgt Ion: 96 Resp: 8411375

Ion Ratio Lower Upper

96 100

61 128.8 92.0 170.9

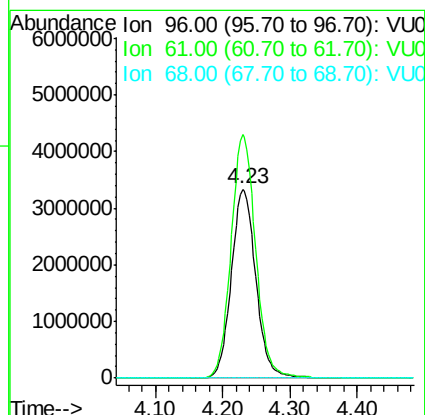
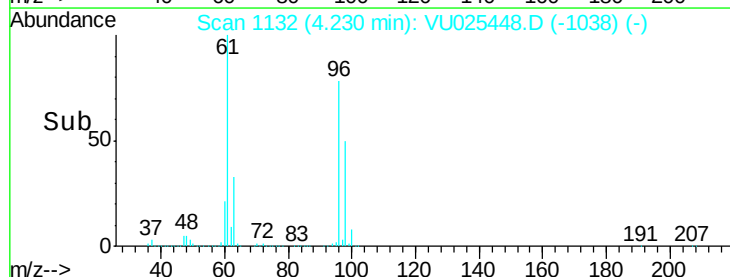
68 0.0 0.0 0.0

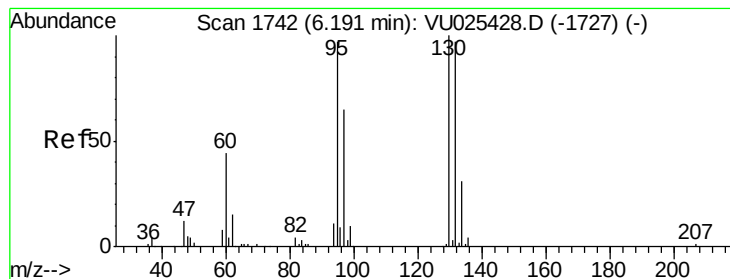


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 1.26 ug/L

RT: 6.18 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VU025448.D

Acq: 17 Jul 2018 01:02

Instrument :

MSVOA_U

ClientSampled :

DB190

Tot Ion: 95 Resp: 2932

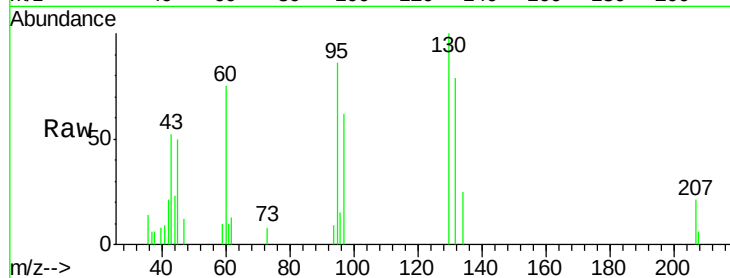
Ion Ratio Lower Upper

95 100

97 72.9 44.3 82.3

132 92.1 69.6 129.2

130 116.7 72.4 134.5

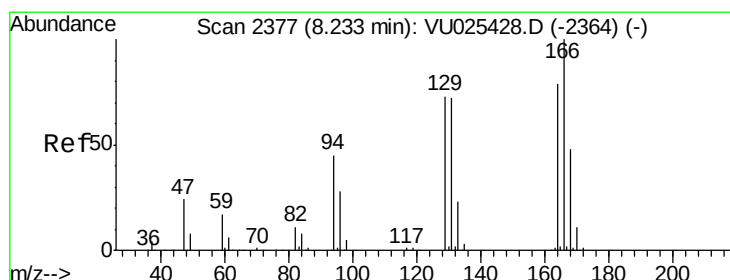
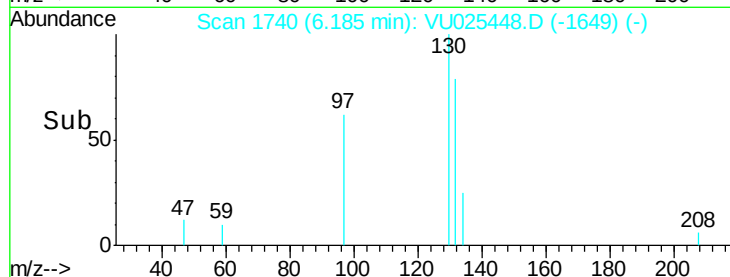
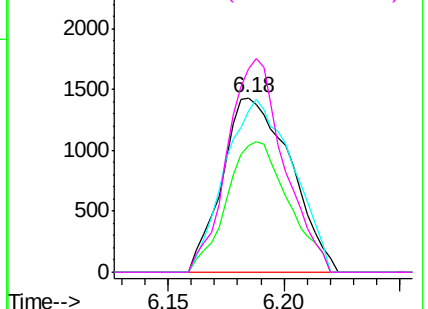


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 2.84 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025448.D

Acq: 17 Jul 2018 01:02

Tgt Ion: 164 Resp: 5495

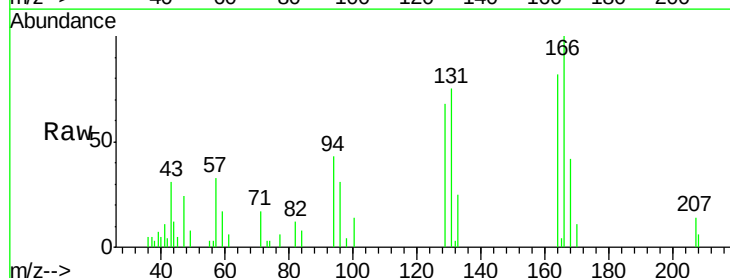
Ion Ratio Lower Upper

164 100

129 83.6 64.7 120.1

131 92.5 63.1 117.3

166 122.6 89.7 166.5



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

