

Data File : VU034696.D
Acq On : 20 Sep 2019 18:05
Operator : JC/SP
Sample : K4948-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEDN3

Quant Time: Sep 21 02:34:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 21 02:29:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	508248	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	479559	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	211038	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	201203	38.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.34%
7) Chloroethane-d5	1.67	69	174944	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.26	63	284749	32.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.64%
21) 2-Butanone-d5	4.15	46	409411	102.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.67%
24) Chloroform-d	4.62	84	354034	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.29	65	260518	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
32) Benzene-d6	5.31	84	699890	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
36) 1,2-Dichloropropane-d6	6.31	67	248721	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.74%
41) Toluene-d8	7.54	98	653233	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%
43) trans-1,3-Dichloropropene-	7.83	79	118983	47.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.64%
47) 2-Hexanone-d5	8.29	63	262070	100.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.43%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	332521	46.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.26%
64) 1,2-Dichlorobenzene-d4	11.84	152	212803	48.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.18%

Target Compounds

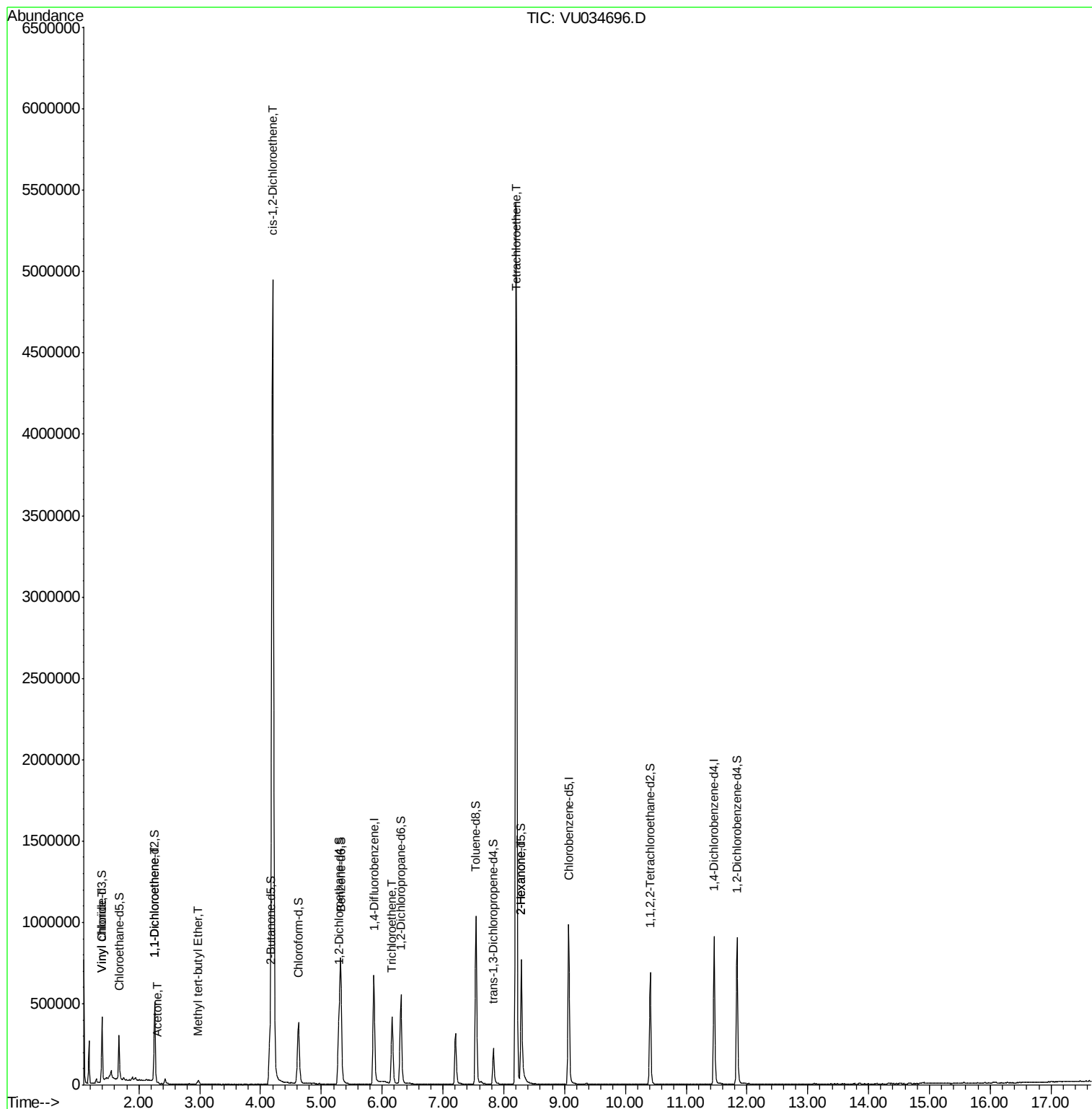
					Qvalue
5) Vinyl chloride	1.40	62	7970	1.391 ug/L #	1
12) 1,1-Dichloroethene	2.26	96	3015	0.907 ug/L #	1
13) Acetone	2.31	43	8444	1.820 ug/L	89
18) Methyl tert-butyl Ether	2.98	73	14033	1.040 ug/L #	70
20) cis-1,2-Dichloroethene	4.20	96	2453274	577.109 ug/L #	100
34) Trichloroethene	6.16	95	133370	32.469 ug/L	91
46) Tetrachloroethene	8.21	164	1029013	356.141 ug/L	97
48) 2-Hexanone	8.29	43	34642	4.691 ug/L #	72

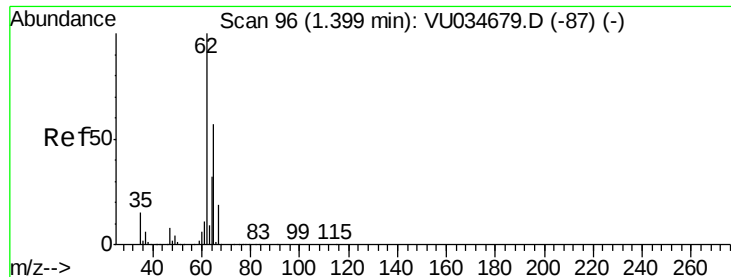
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.391 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

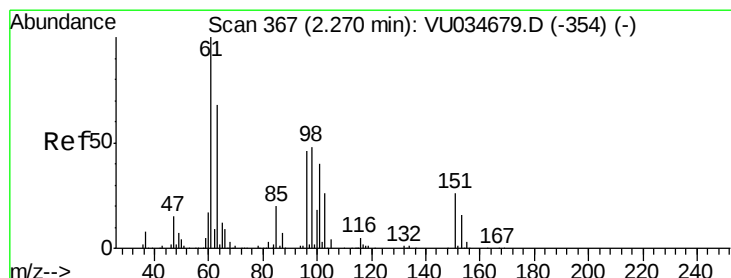
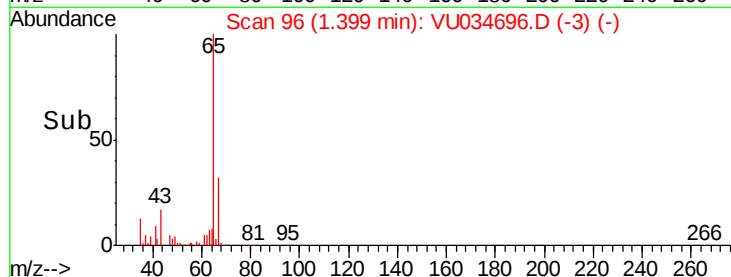
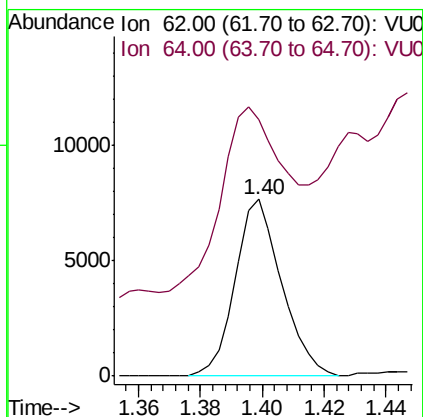
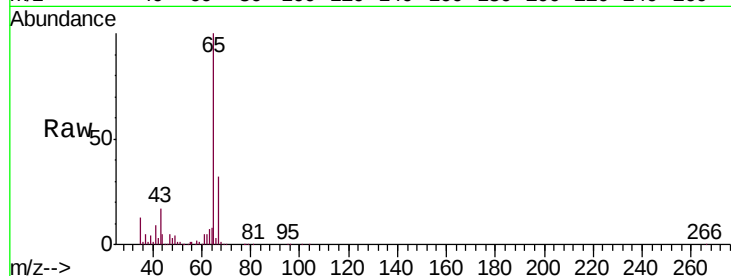
BEDN3

Tgt Ion: 62 Resp: 7970

Ion Ratio Lower Upper

62 100

64 145.1 22.2 41.2#



#12

1,1-Dichloroethene

Concen: 0.907 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU034696.D

Acq: 20 Sep 2019 18:05

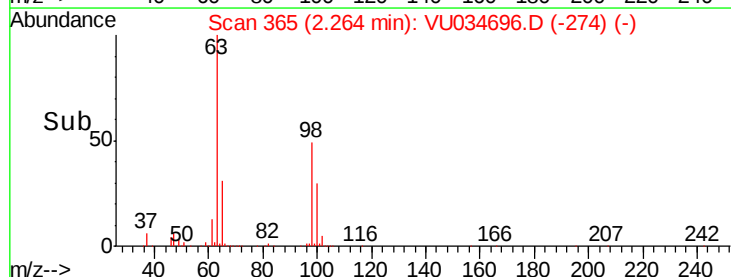
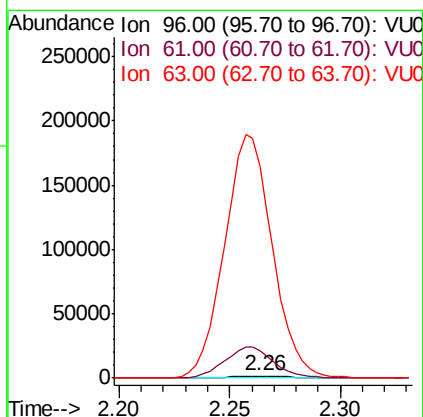
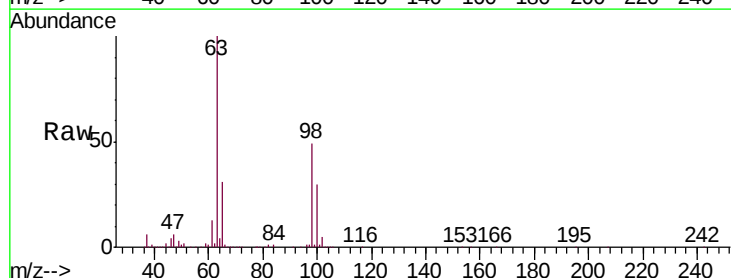
Tgt Ion: 96 Resp: 3015

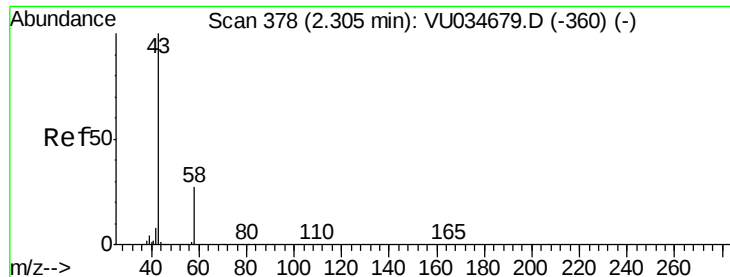
Ion Ratio Lower Upper

96 100

61 1223.2 153.2 284.4#

63 9366.7 113.8 211.3#





#13

Acetone

Concen: 1.820 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034696.D

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Instrument :

MSVOA_U

ClientSampleId :

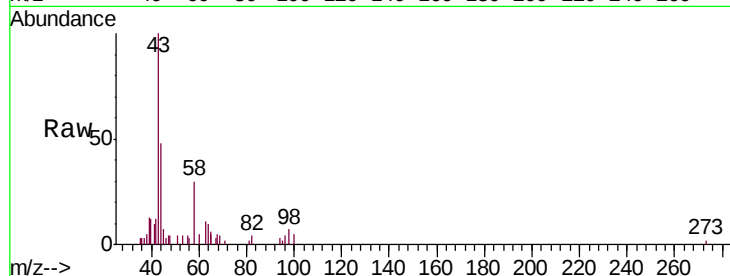
BEDN3

Tgt Ion: 43 Resp: 8444

Ion Ratio Lower Upper

43 100

58 32.3 0.0 53.4

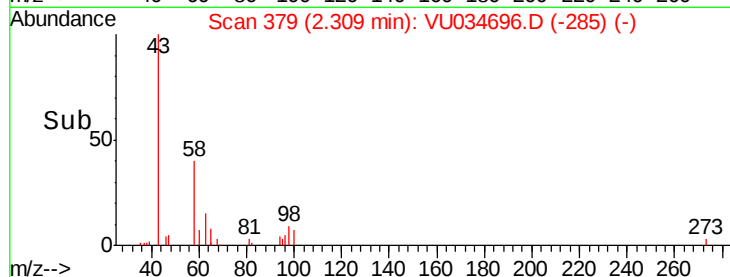


Abundance Ion 43.00 (42.70 to 43.70): VU034696.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU034696.D (-285) (-)

2.31

Time-->



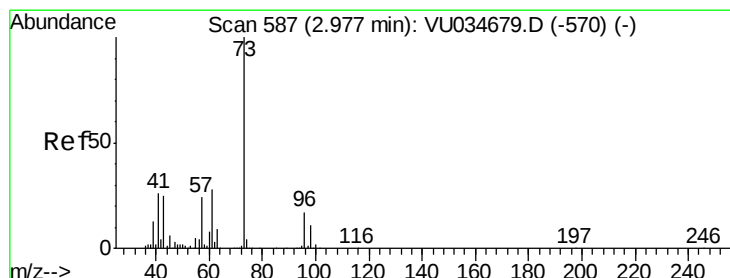
Abundance Ion 73.00 (72.70 to 73.70): VU034679.D (-570) (-)

Ion 43.00 (42.70 to 43.70): VU034679.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU034679.D (-570) (-)

2.98

Time-->



#18

Methyl tert-butyl Ether

Concen: 1.040 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU034696.D

Acq: 20 Sep 2019 18:05

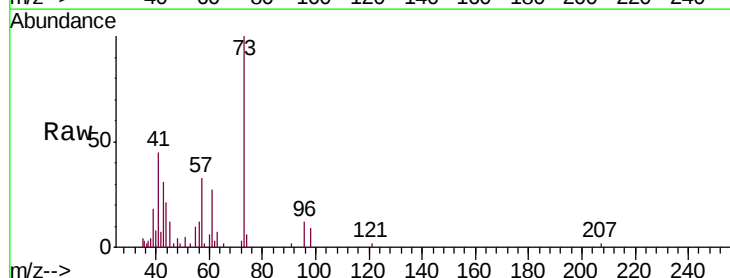
Tgt Ion: 73 Resp: 14033

Ion Ratio Lower Upper

73 100

43 7.8 20.9 31.3#

57 36.0 19.5 29.3#



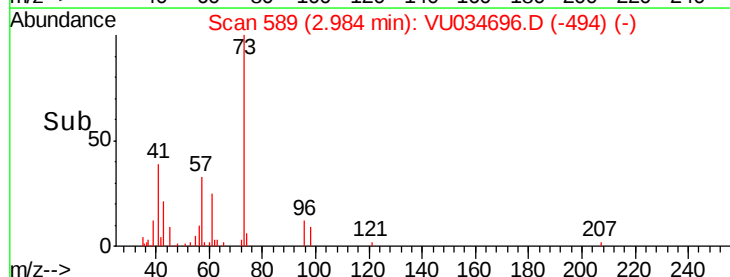
Abundance Ion 73.00 (72.70 to 73.70): VU034696.D (-494) (-)

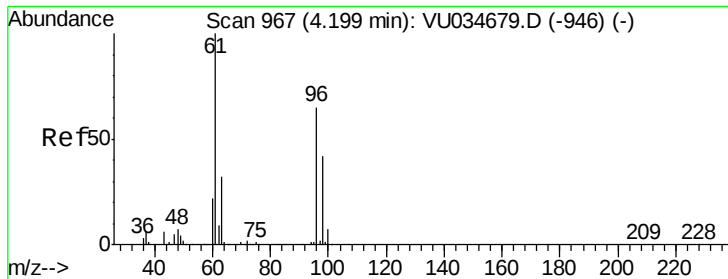
Ion 43.00 (42.70 to 43.70): VU034696.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU034696.D (-494) (-)

2.98

Time-->



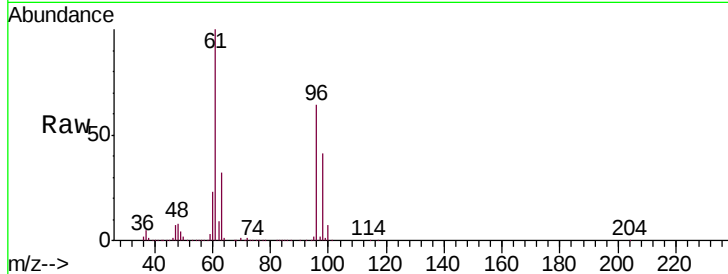


#20

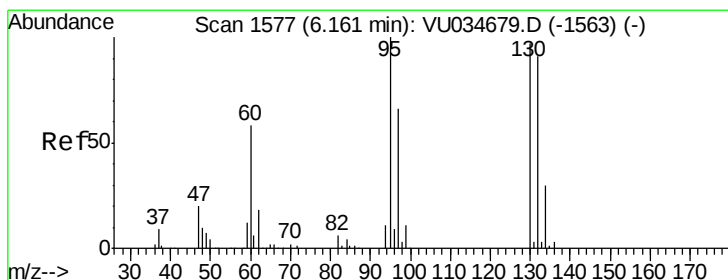
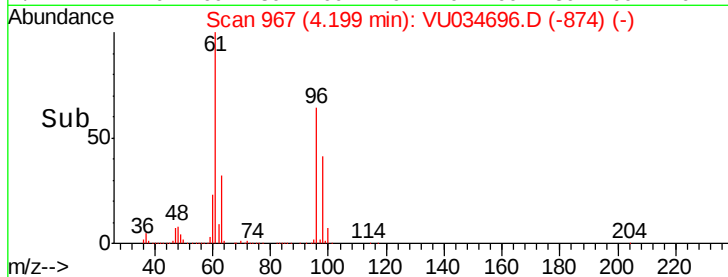
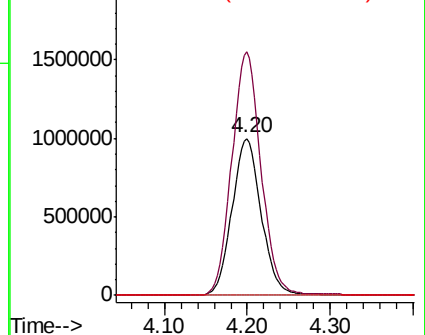
cis-1,2-Dichloroethene
Concen: 577.109 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034696.D
Acq: 20 Sep 2019 18:05

Instrument :
MSVOA_U
ClientSampleId :
BEDN3

Tgt Ion: 96 Resp: 2453274
Ion Ratio Lower Upper
96 100
61 155.5 108.8 202.2
68 0.0 0.0 0.0#



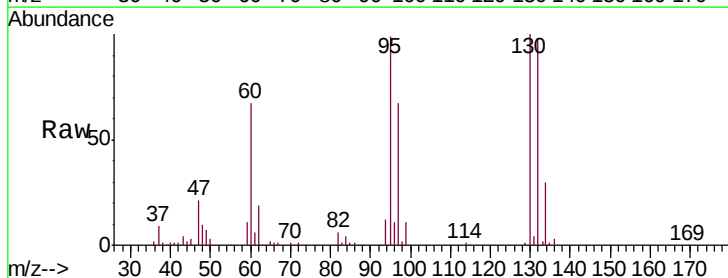
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



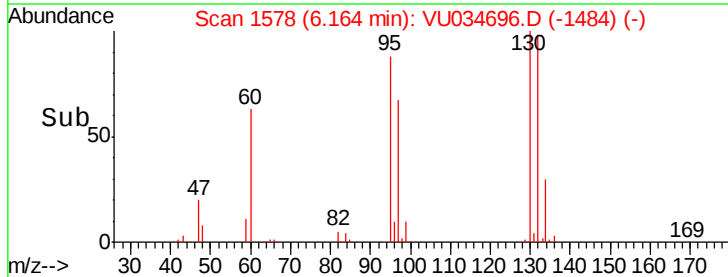
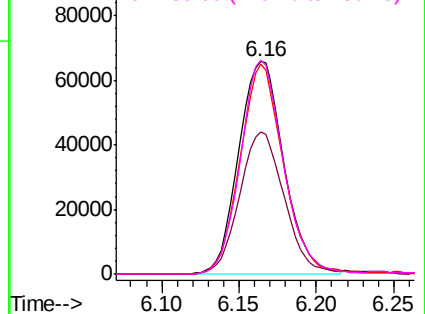
#34

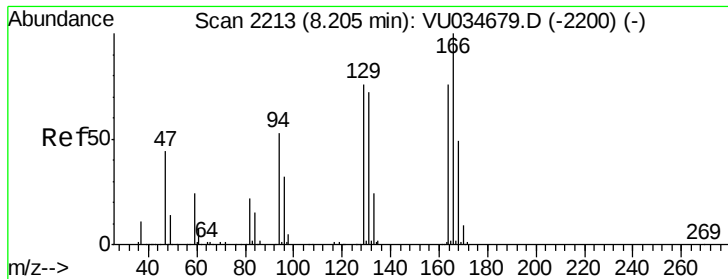
Trichloroethene
Concen: 32.469 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034696.D
Acq: 20 Sep 2019 18:05

Tgt Ion: 95 Resp: 133370
Ion Ratio Lower Upper
95 100
97 67.2 43.7 81.1
132 98.7 61.0 113.2
130 100.7 65.7 121.9



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: 356.141 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034696.D

Acq: 20 Sep 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

BEDN3

Tgt Ion:164 Resp: 1029013

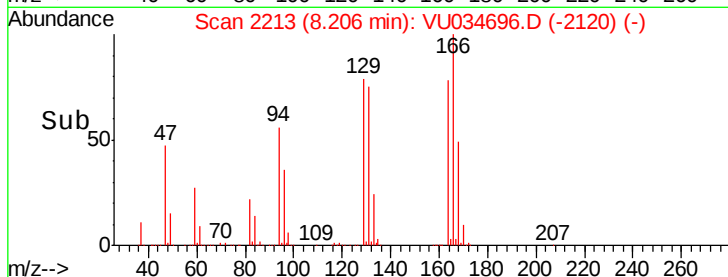
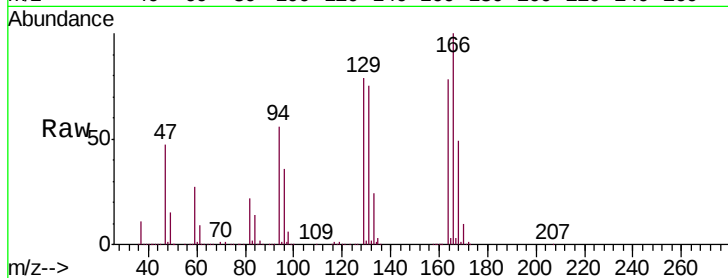
Ion Ratio Lower Upper

164 100

129 101.0 71.9 133.5

131 95.8 66.3 123.1

166 128.4 93.4 173.6

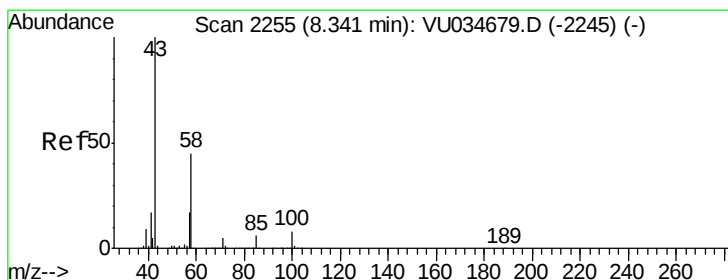
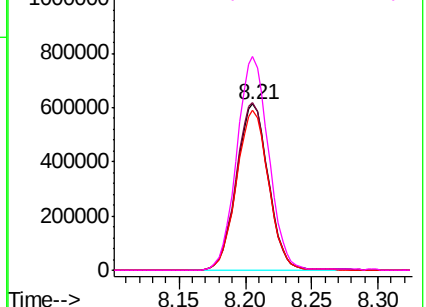


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 4.691 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.05 min

Lab File: VU034696.D

Acq: 20 Sep 2019 18:05

Tgt Ion: 43 Resp: 34642

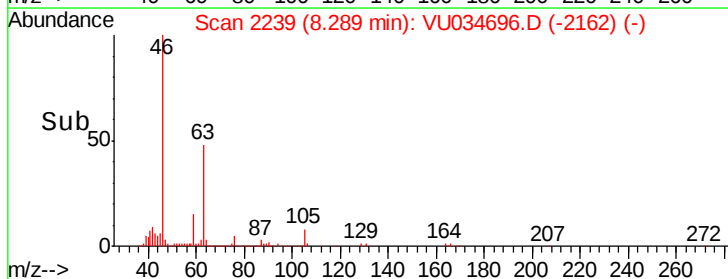
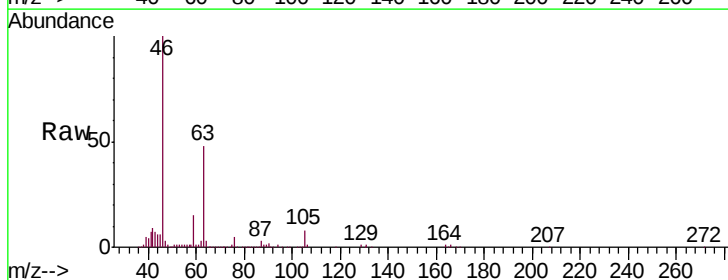
Ion Ratio Lower Upper

43 100

58 21.7 35.3 52.9#

57 20.6 12.1 18.1#

100 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

