

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083118\
 Data File : VU026495.D
 Acq On : 31 Aug 2018 13:28
 Operator : MD/SY
 Sample : J4691-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEE16

Quant Time: Sep 01 01:47:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 01 01:02:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	157673	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	148660	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64252	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43672	44.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.40%
7) Chloroethane-d5	1.68	69	40969	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.86%
11) 1,1-Dichloroethene-d2	2.27	63	62571	28.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.88%#
21) 2-Butanone-d5	4.18	46	74179	97.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.83%
24) Chloroform-d	4.65	84	85700	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.90%
26) 1,2-Dichloroethane-d4	5.31	65	60160	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.94%
32) Benzene-d6	5.34	84	172909	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.92%
36) 1,2-Dichloropropane-d6	6.33	67	59748	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.52%
41) Toluene-d8	7.57	98	159540	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	7.85	79	23572	43.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.70%
47) 2-Hexanone-d5	8.31	63	53407	98.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	79777	46.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	63347	54.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.68%

Target Compounds

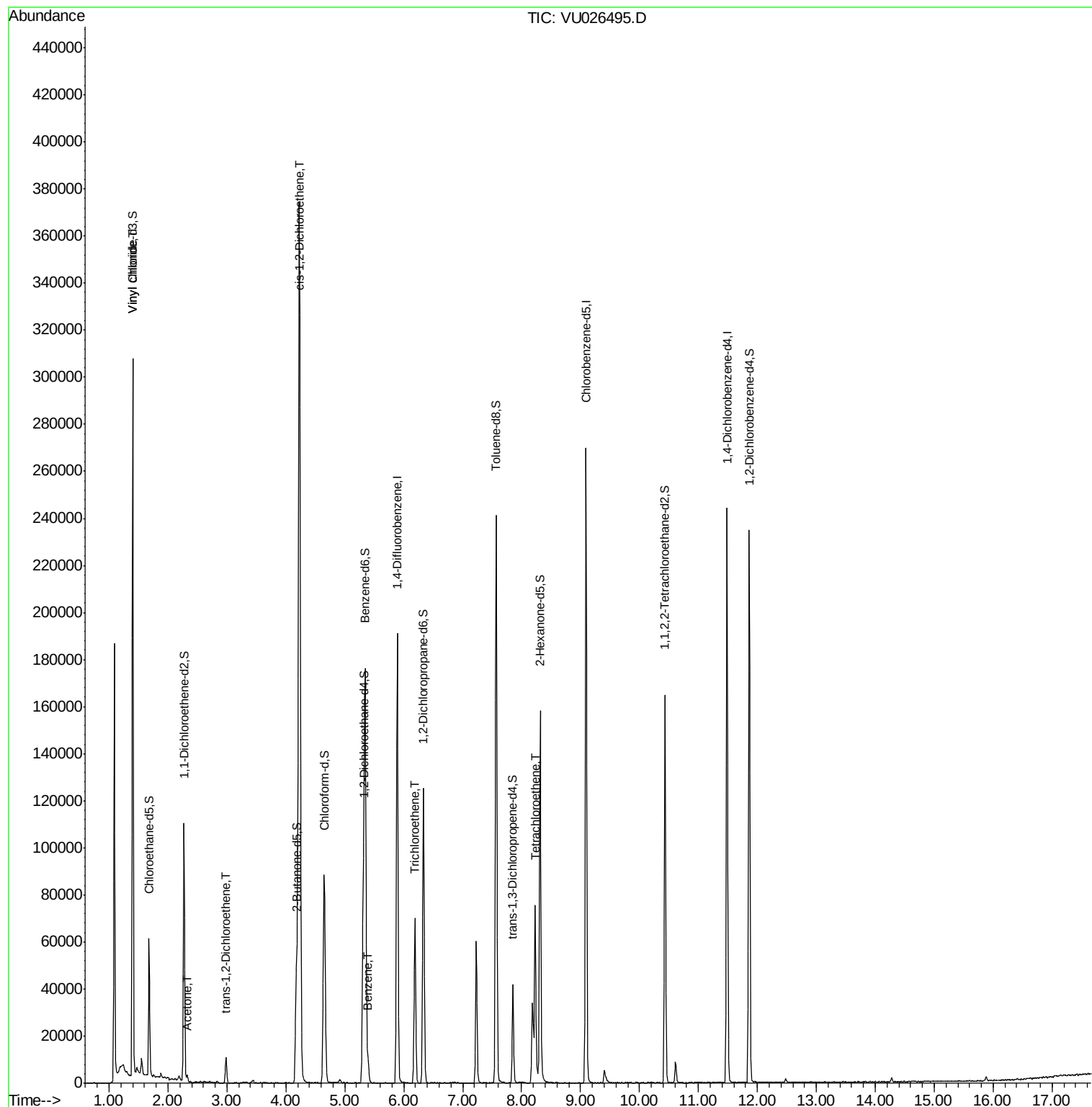
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	153872	93.50	ug/L	99
13) Acetone	2.32	43	2770	4.22	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	4704	4.62	ug/L	87
20) cis-1,2-Dichloroethene	4.23	96	206820	181.36	ug/L	100
33) Benzene	5.40	78	9640	2.26	ug/L	100
34) Trichloroethene	6.19	95	23584	22.06	ug/L	99
46) Tetrachloroethene	8.23	164	16087	18.41	ug/L	97

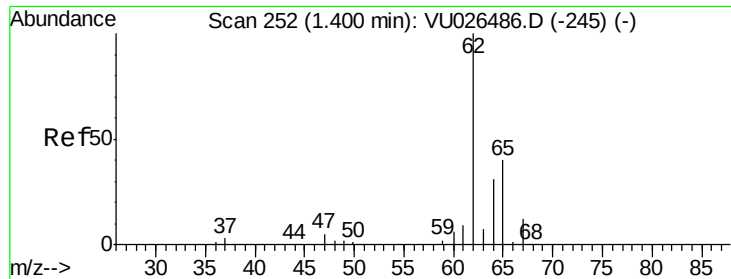
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 93.50 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026495.D

Acq: 31 Aug 2018 13:28

Instrument :

MSVOA_U

ClientSampled :

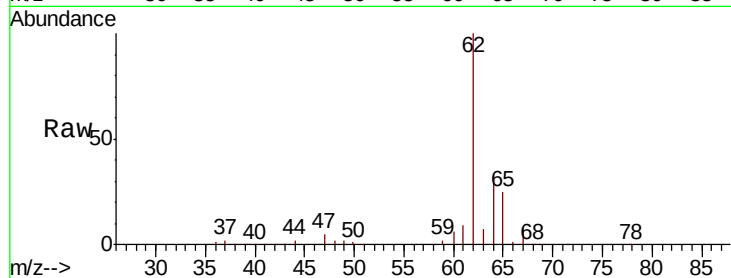
BEE16

Tot Ion: 62 Resp: 153872

Ion Ratio Lower Upper

62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

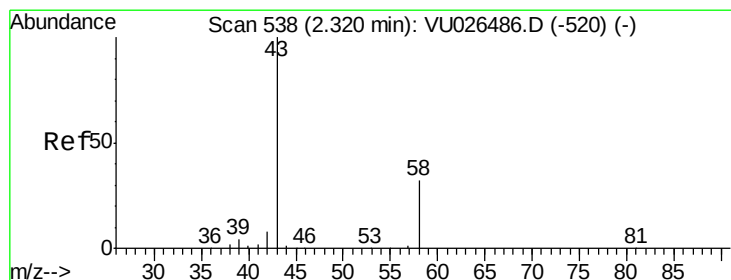
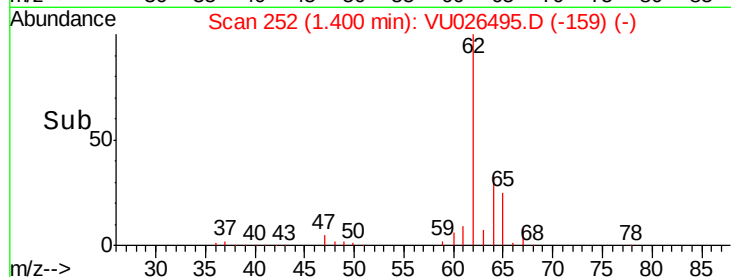
100000

50000

0

Time-->

1.35 1.40 1.45



#13

Acetone

Concen: 4.22 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026495.D

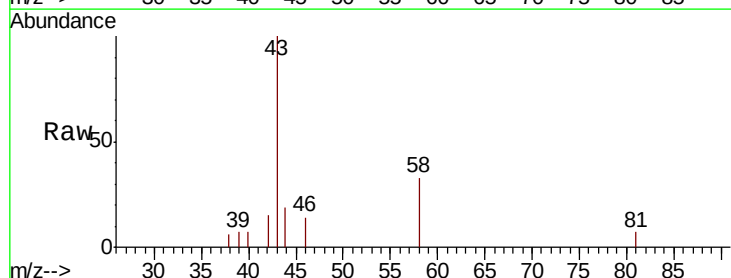
Acq: 31 Aug 2018 13:28

Tgt Ion: 43 Resp: 2770

Ion Ratio Lower Upper

43 100

58 28.3 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2000

1500

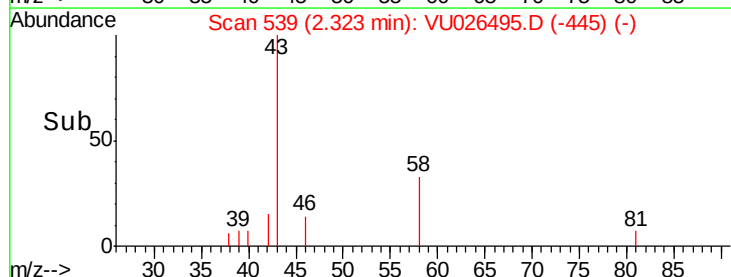
1000

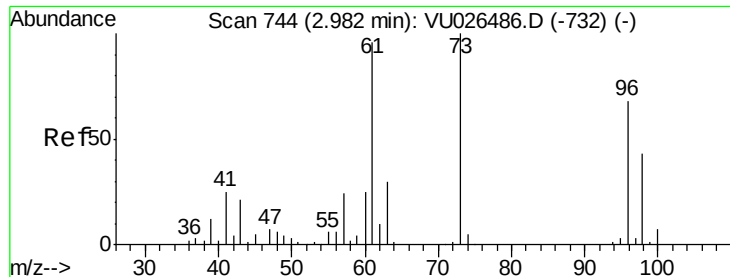
500

0

Time-->

2.30 2.35

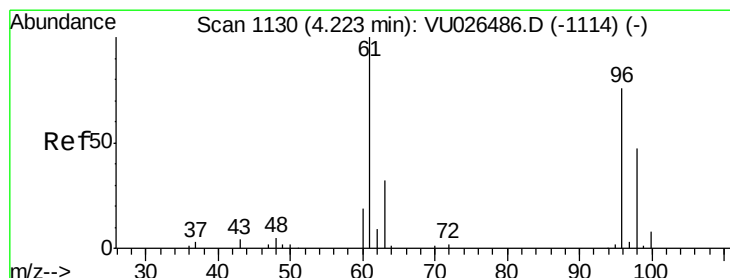
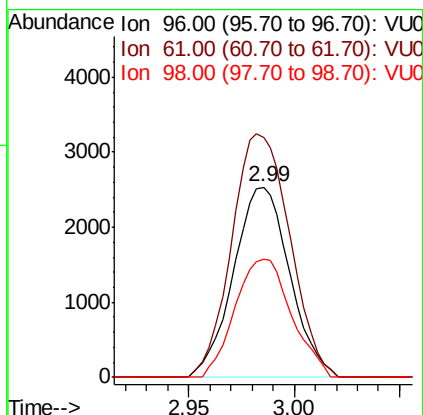
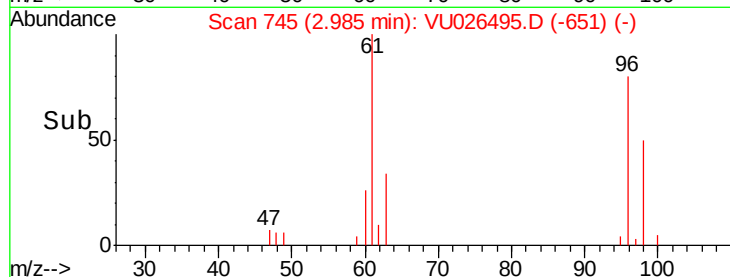
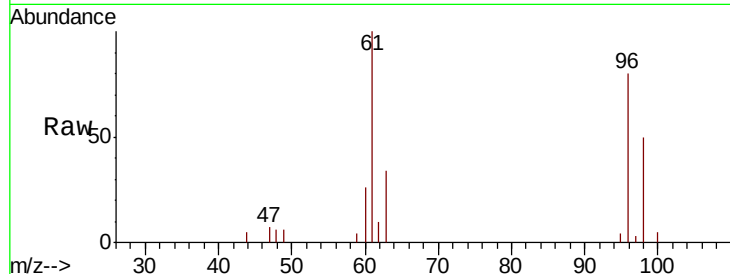




#17
trans-1,2-Dichloroethene
Concen: 4.62 ug/L
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU026495.D
Acq: 31 Aug 2018 13:28

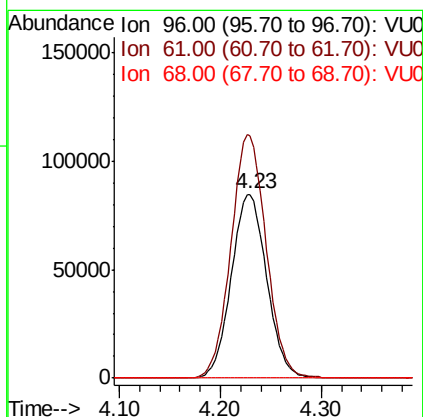
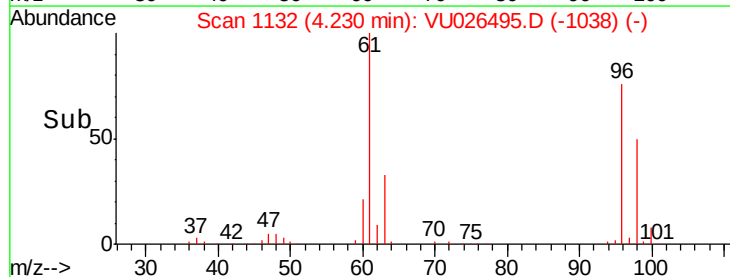
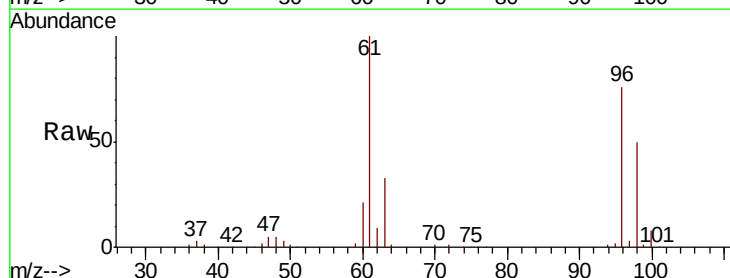
Instrument :
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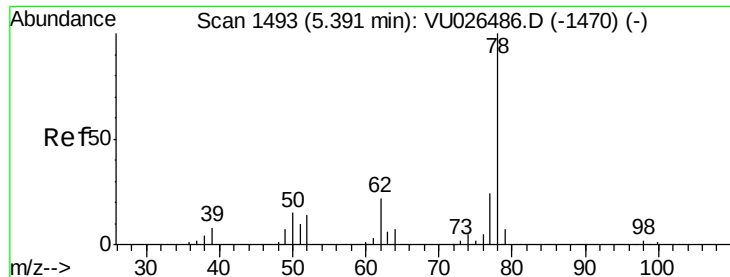
Tot Ion: 96 Resp: 4704
Ion Ratio Lower Upper
96 100
61 125.7 103.2 191.6
98 62.4 44.9 83.3



#20
cis-1,2-Dichloroethene
Concen: 181.36 ug/L
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU026495.D
Acq: 31 Aug 2018 13:28

Tgt Ion: 96 Resp: 206820
Ion Ratio Lower Upper
96 100
61 131.4 91.6 170.2
68 0.0 0.0 0.0

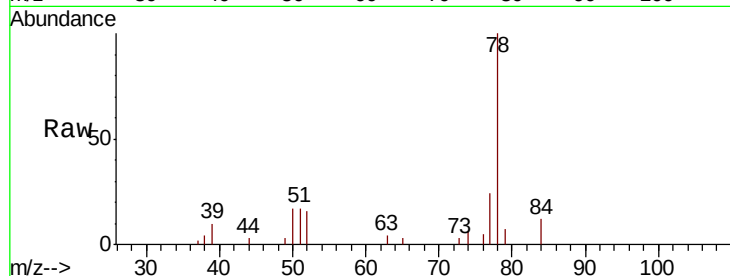




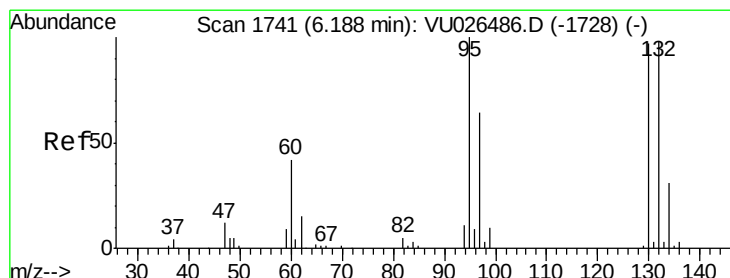
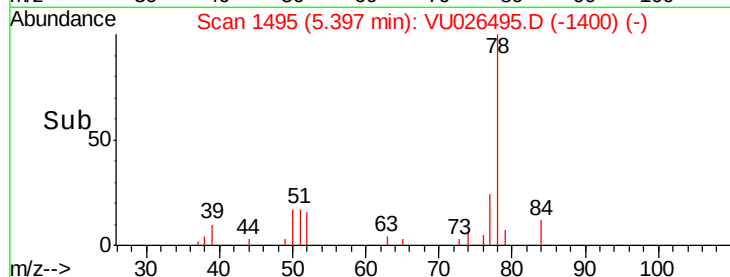
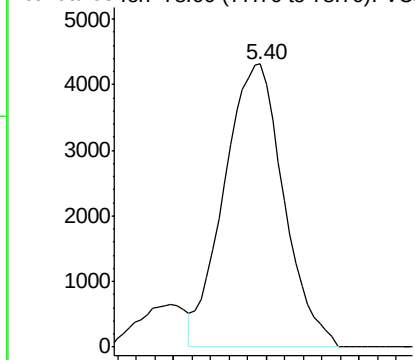
#33
Benzene
Concen: 2.26 ug/L
RT: 5.40 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VU026495.D
Acq: 31 Aug 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
BEE16

Tgt Ion: 78 Resp: 9640



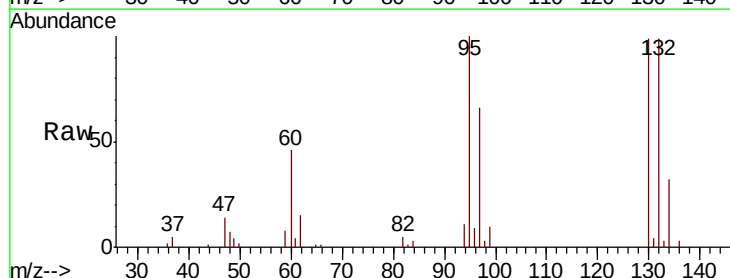
Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 22.06 ug/L
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU026495.D
Acq: 31 Aug 2018 13:28

Tgt Ion: 95 Resp: 23584

Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.1	83.7
132	98.9	67.5	125.3
130	99.1	69.3	128.7

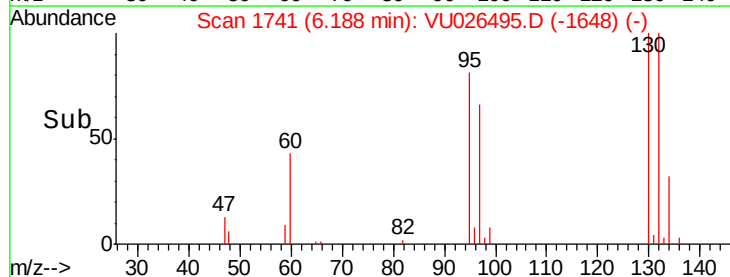
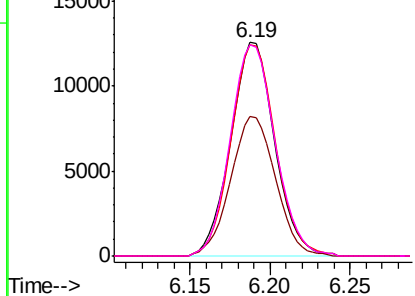


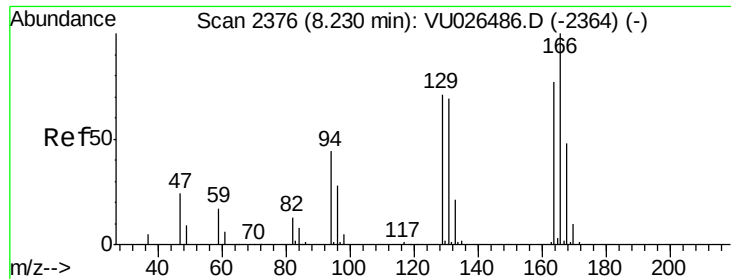
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 18.41 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026495.D

Acq: 31 Aug 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
BEE16

Tot Ion:164 Resp: 16087

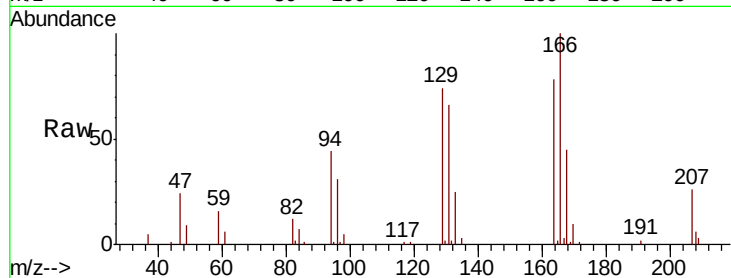
Ion Ratio Lower Upper

164 100

129 95.8 67.3 125.1

131 85.4 65.3 121.3

166 128.9 90.9 168.7



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

