

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090618\
 Data File : VU026580.D
 Acq On : 06 Sep 2018 15:11
 Operator : MD/SY
 Sample : J4718-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEGD3

Quant Time: Sep 07 05:14:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 04:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	172142	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	159174	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68658	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65138	61.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	122.14%
7) Chloroethane-d5	1.68	69	54889	56.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.96%
11) 1,1-Dichloroethene-d2	2.27	63	87259	36.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.66%
21) 2-Butanone-d5	4.18	46	96481	116.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.55%
24) Chloroform-d	4.65	84	106268	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
26) 1,2-Dichloroethane-d4	5.31	65	72086	53.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.50%
32) Benzene-d6	5.34	84	214710	58.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.04%
36) 1,2-Dichloropropane-d6	6.33	67	73207	58.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.18%
41) Toluene-d8	7.57	98	191358	54.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.06%
43) trans-1,3-Dichloropropene-	7.85	79	31830	55.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.62%
47) 2-Hexanone-d5	8.31	63	69020	119.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100095	53.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	72379	58.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

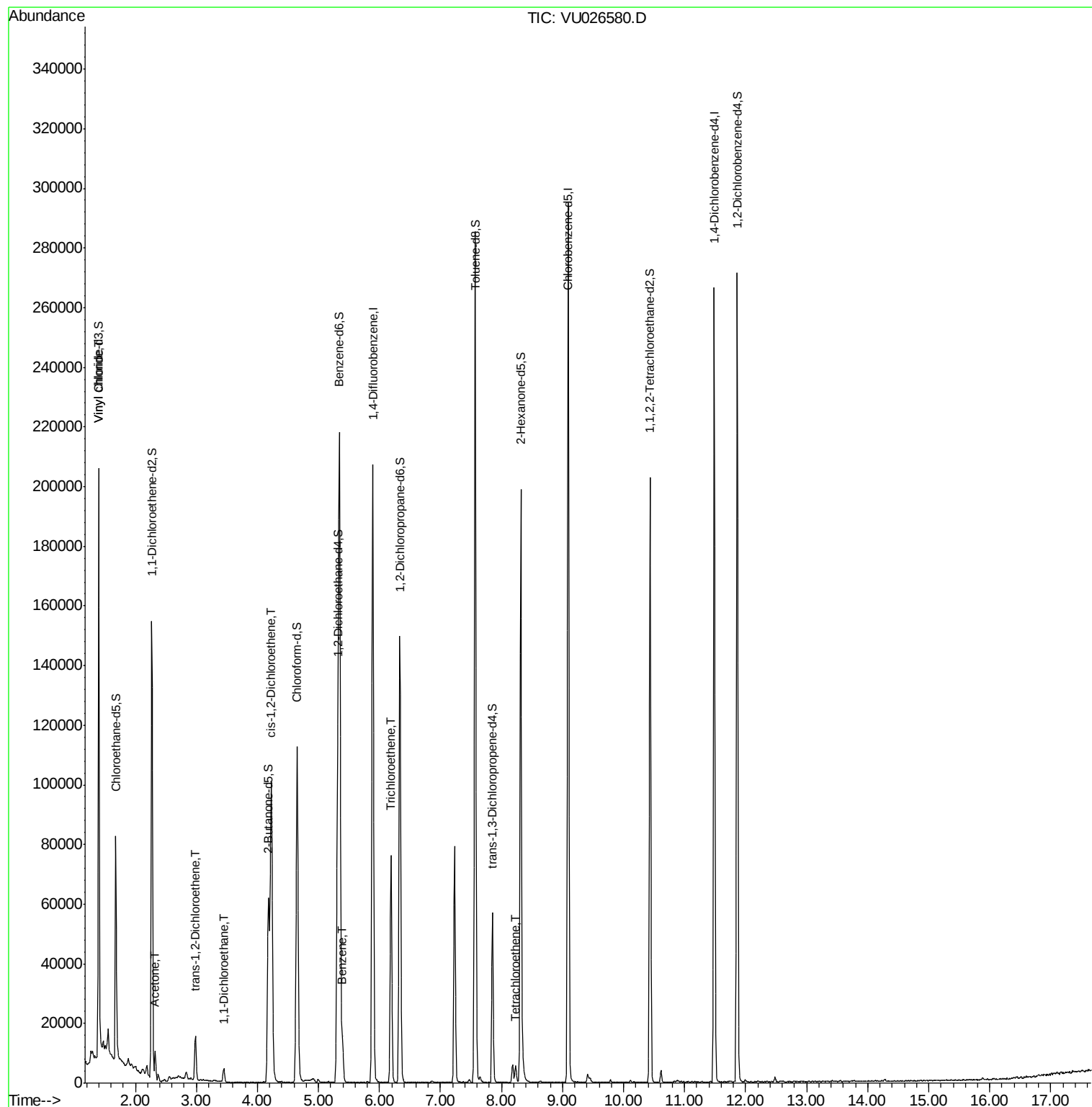
						Ovalue
5) Vinyl chloride	1.40	62	72063	40.11	ug/L	90
13) Acetone	2.32	43	9704	13.54	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	5949	5.35	ug/L	96
19) 1,1-Dichloroethane	3.45	63	5687	2.60	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	54906	44.10	ug/L	100
33) Benzene	5.39	78	12605	2.76	ug/L	100
34) Trichloroethene	6.19	95	25570	22.34	ug/L	97
46) Tetrachloroethene	8.23	164	1268	1.35	ug/L	87

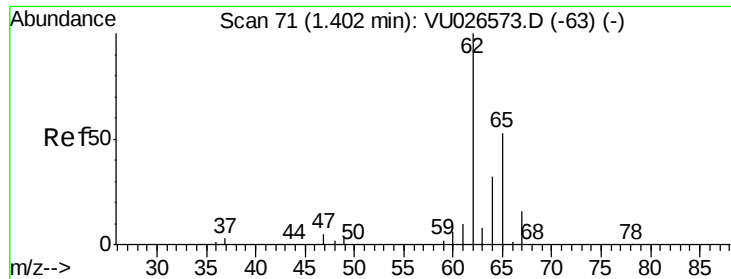
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 40.11 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026580.D

Acq: 06 Sep 2018 15:11

Instrument :

MSVOA_U

ClientSampled :

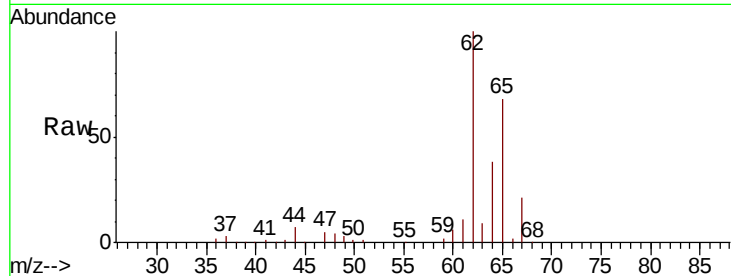
BEGD3

Tot Ion: 62 Resp: 72063

Ion Ratio Lower Upper

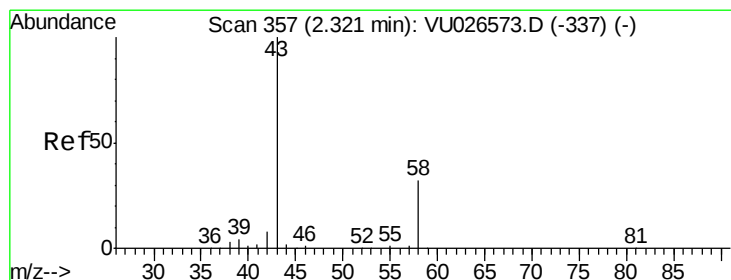
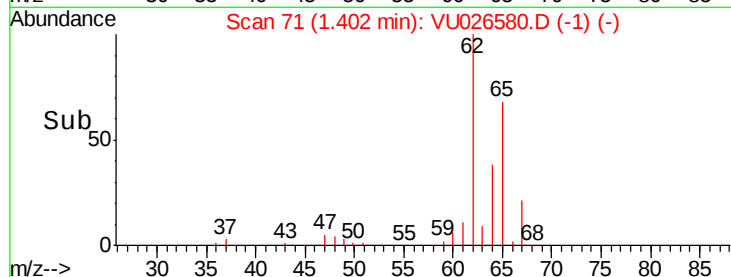
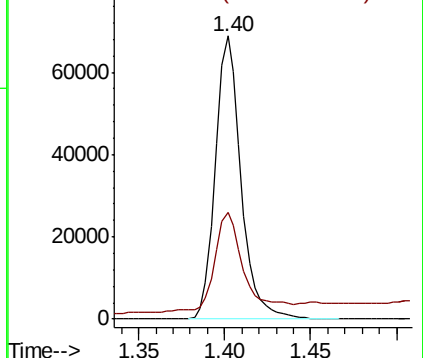
62 100

64 37.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 13.54 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026580.D

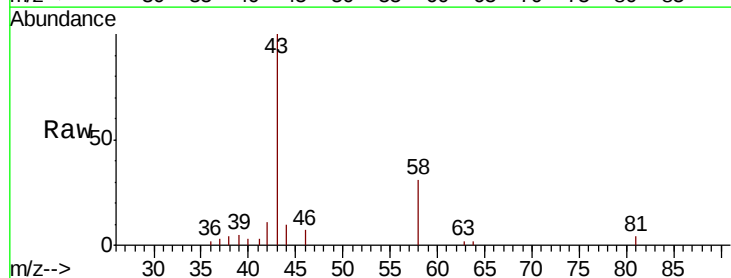
Acq: 06 Sep 2018 15:11

Tgt Ion: 43 Resp: 9704

Ion Ratio Lower Upper

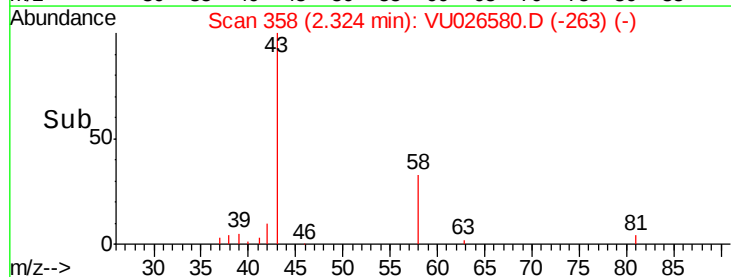
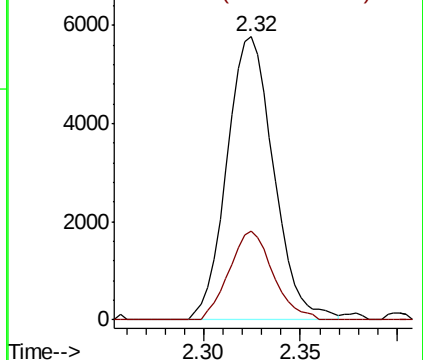
43 100

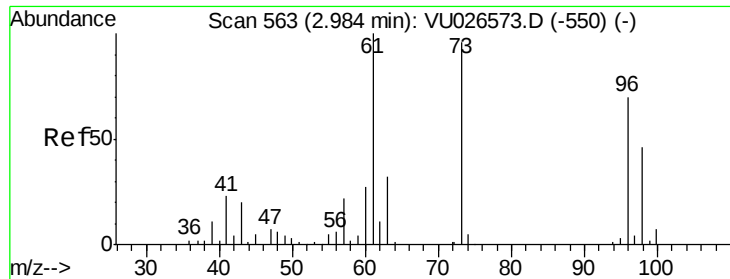
58 29.4 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

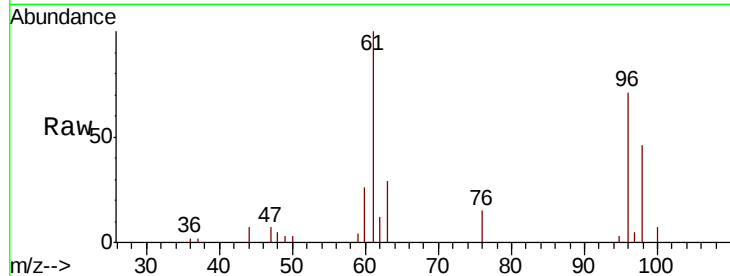




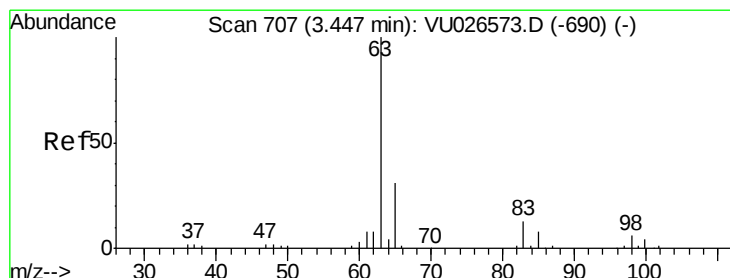
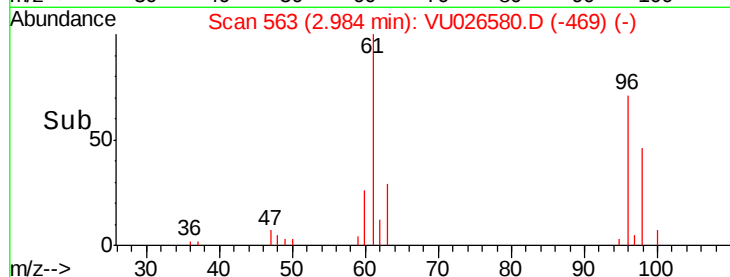
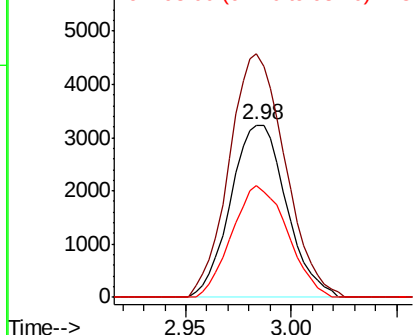
#17
trans-1,2-Dichloroethene
Concen: 5.35 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU026580.D
Acq: 06 Sep 2018 15:11

Instrument :
MSVOA_U
ClientSampleId :
BEGD3

Tot Ion: 96 Resp: 5949
Ion Ratio Lower Upper
96 100
61 141.5 103.2 191.6
98 65.1 44.9 83.3

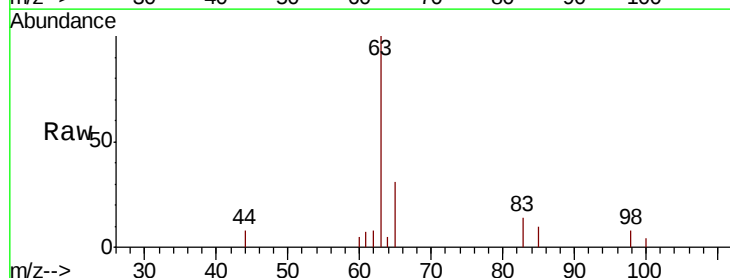


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

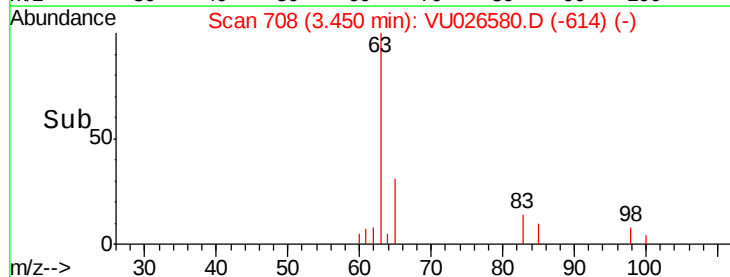
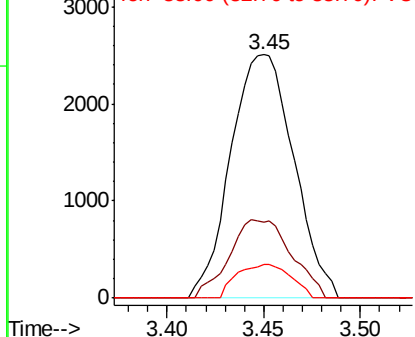


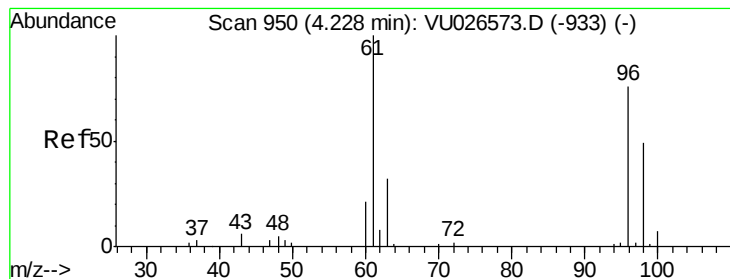
#19
1,1-Dichloroethane
Concen: 2.60 ug/L
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU026580.D
Acq: 06 Sep 2018 15:11

Tgt Ion: 63 Resp: 5687
Ion Ratio Lower Upper
63 100
65 31.4 21.6 40.2
83 13.7 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 44.10 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026580.D

Acq: 06 Sep 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

BEGD3

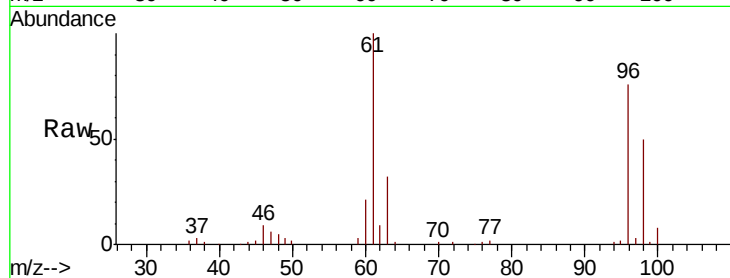
Tot Ion: 96 Resp: 54906

Ion Ratio Lower Upper

96 100

61 131.3 91.6 170.2

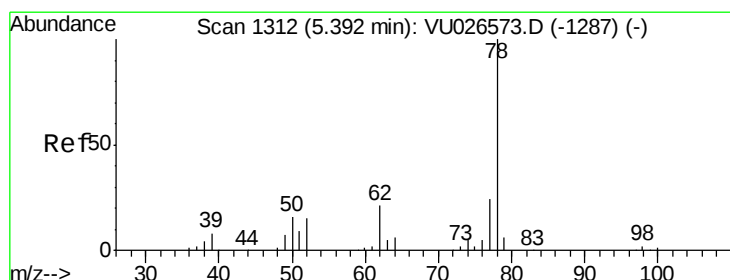
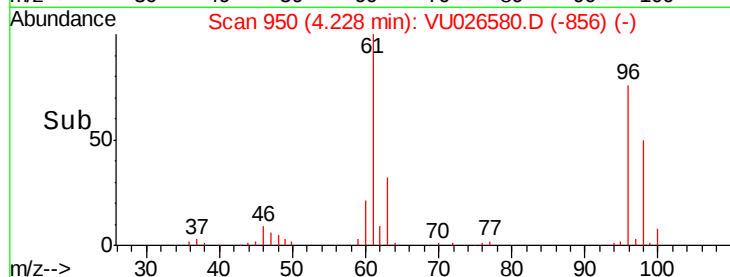
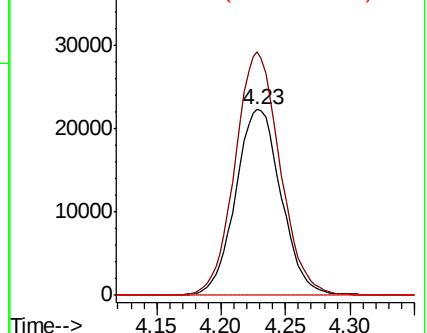
68 0.0 0.0 0.0



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



#33

Benzene

Concen: 2.76 ug/L

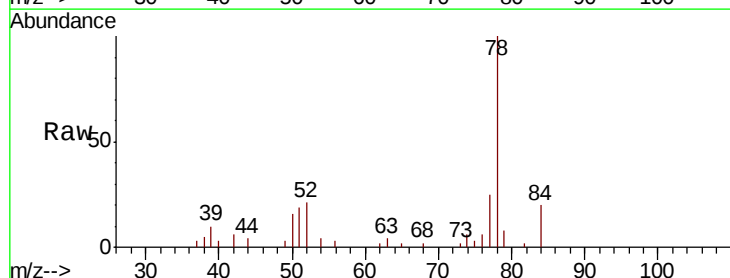
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

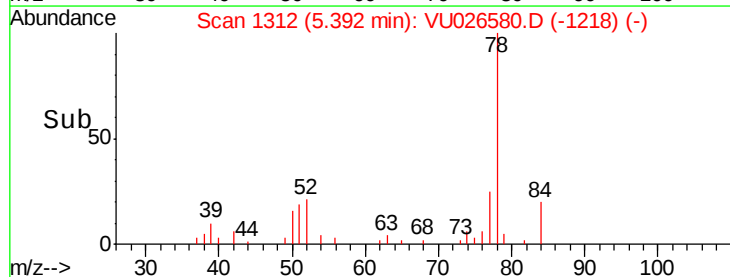
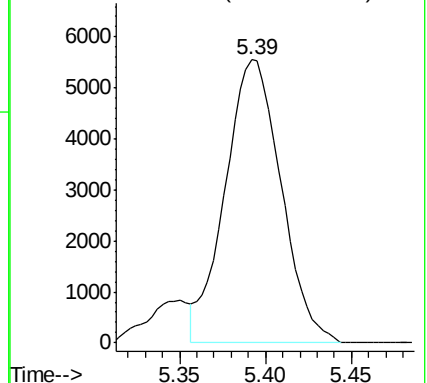
Lab File: VU026580.D

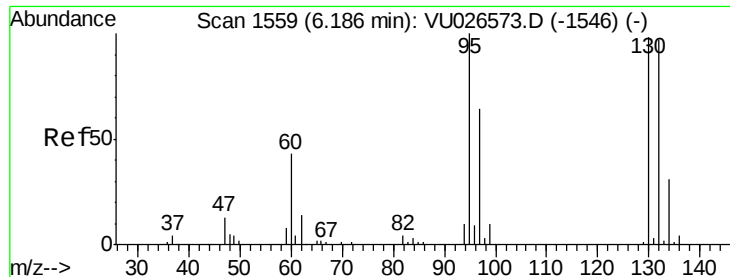
Acq: 06 Sep 2018 15:11

Tgt Ion: 78 Resp: 12605



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 22.34 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026580.D

Acq: 06 Sep 2018 15:11

Instrument :

MSVOA_U

ClientSampleId :

BEGD3

Tot Ion: 95 Resp: 25570

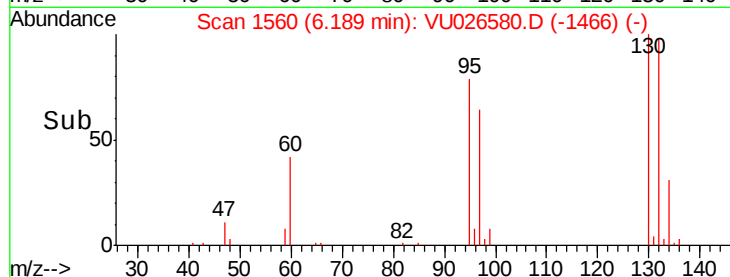
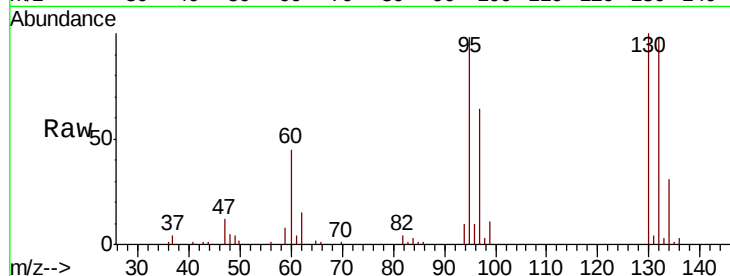
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.7

132 99.8 67.5 125.3

130 101.9 69.3 128.7



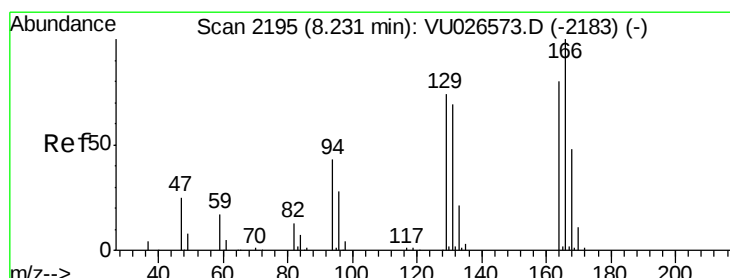
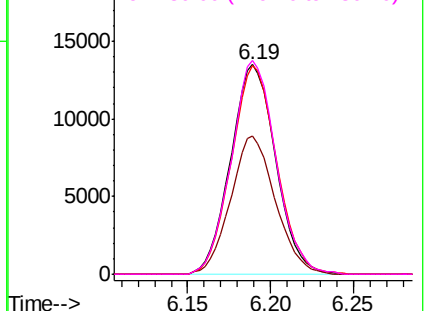
Abundance

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: 1.35 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU026580.D

Acq: 06 Sep 2018 15:11

Tgt Ion:164 Resp: 1268

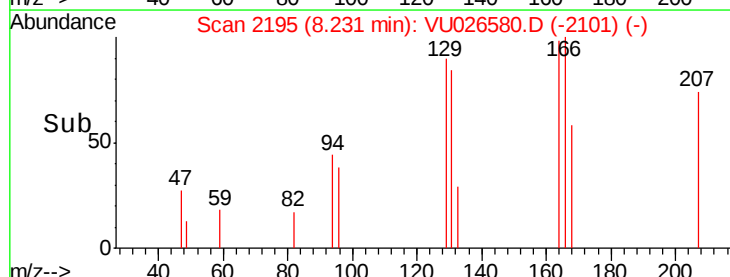
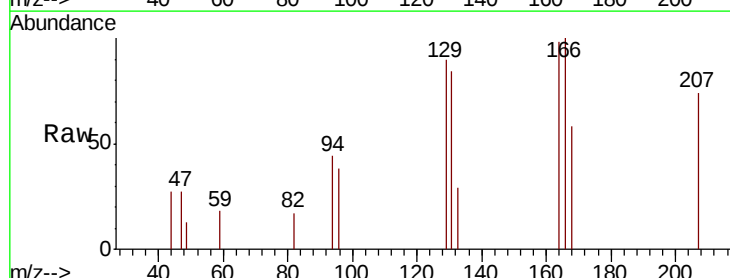
Ion Ratio Lower Upper

164 100

129 92.3 67.3 125.1

131 85.8 65.3 121.3

166 102.1 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

