

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090618\
 Data File : VU026581.D
 Acq On : 06 Sep 2018 15:34
 Operator : MD/SY
 Sample : J4718-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEGD2

Quant Time: Sep 07 05:16:41 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	166667	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	153254	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64880	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43433	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.12%
7) Chloroethane-d5	1.68	69	40908	43.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.72%
11) 1,1-Dichloroethene-d2	2.27	63	63955	27.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.00%#
21) 2-Butanone-d5	4.18	46	88895	110.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.92%
24) Chloroform-d	4.65	84	89697	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
26) 1,2-Dichloroethane-d4	5.31	65	60642	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
32) Benzene-d6	5.34	84	171605	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
36) 1,2-Dichloropropane-d6	6.33	67	61900	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.02%
41) Toluene-d8	7.57	98	150501	44.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.28%
43) trans-1,3-Dichloropropene-	7.85	79	25343	45.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.48%
47) 2-Hexanone-d5	8.31	63	60644	108.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88337	49.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	61829	52.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.06%

Target Compounds

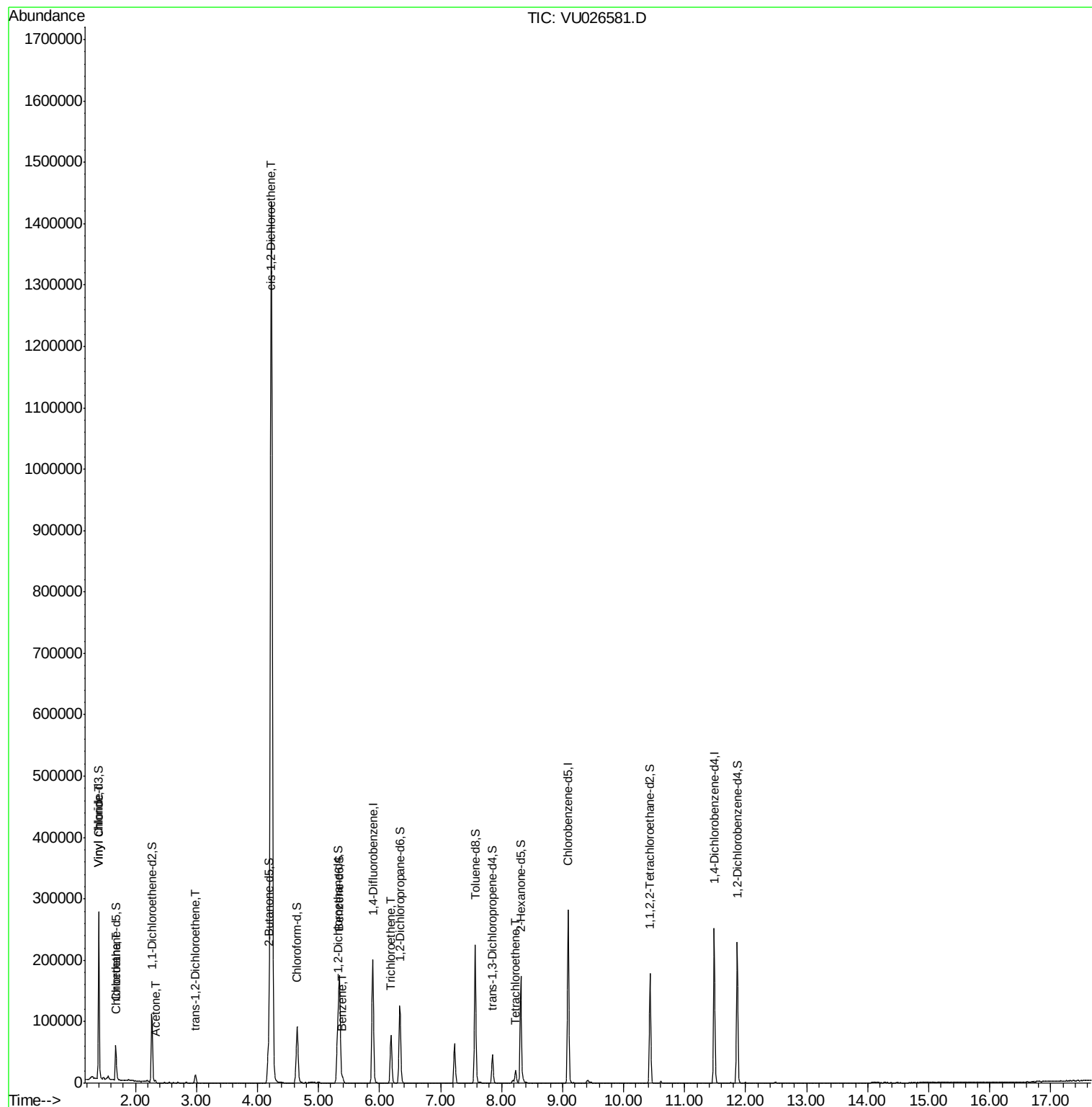
						Ovalue
5) Vinyl chloride	1.40	62	136237	78.32	ug/L	99
8) Chloroethane	1.70	64	1662	1.59	ug/L #	77
13) Acetone	2.32	43	3087	4.45	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	5665	5.26	ug/L	94
20) cis-1,2-Dichloroethene	4.23	96	793132	657.95	ug/L	99
33) Benzene	5.39	78	9112	2.07	ug/L	100
34) Trichloroethene	6.19	95	27438	24.90	ug/L	98
46) Tetrachloroethene	8.23	164	4746	5.27	ug/L	97

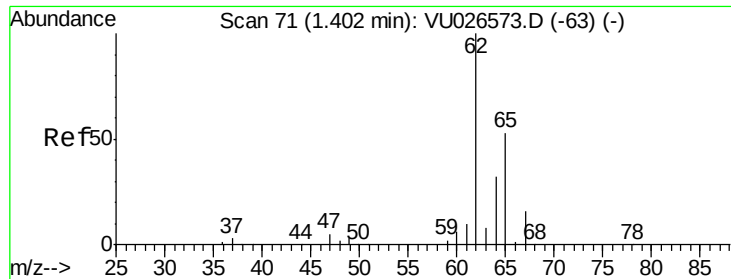
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 78.32 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

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ClientSampleId :

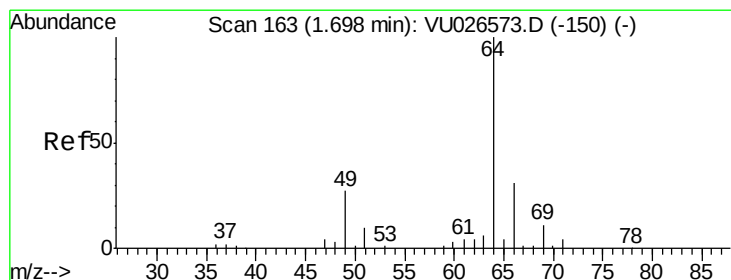
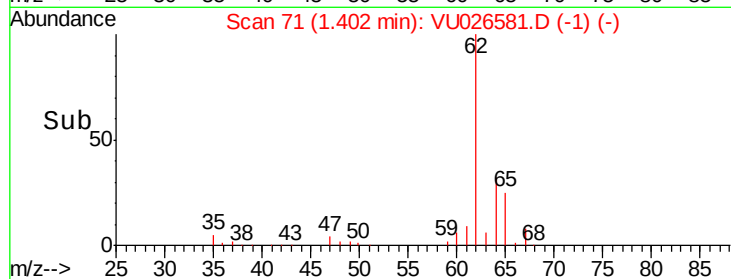
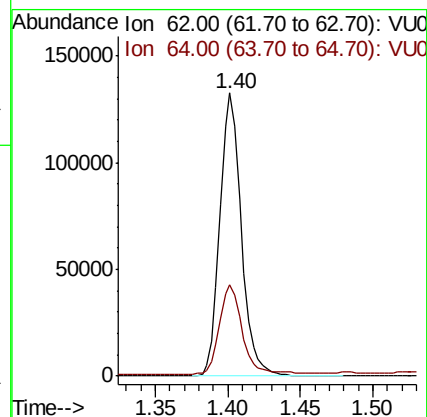
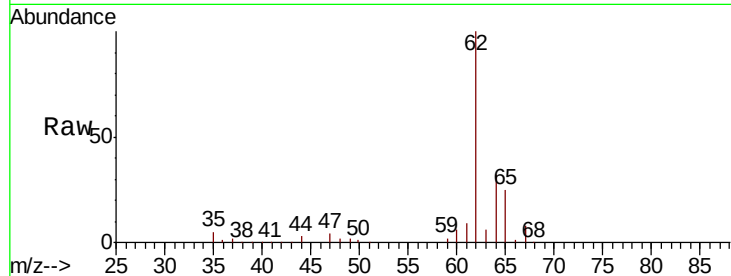
BEGD2

Tot Ion: 62 Resp: 136237

Ion Ratio Lower Upper

62 100

64 32.3 22.4 41.6



#8

Chloroethane

Concen: 1.59 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026581.D

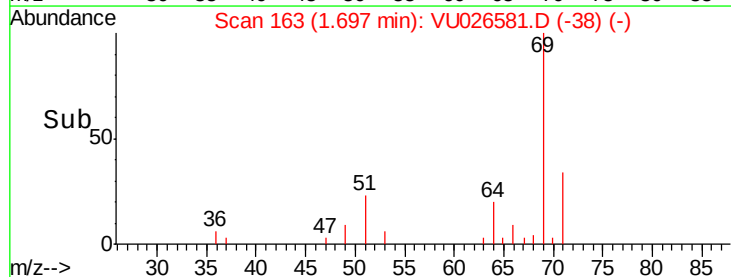
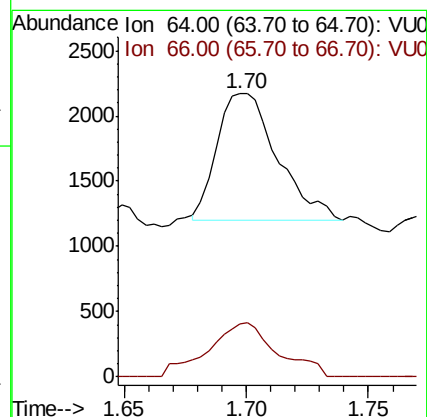
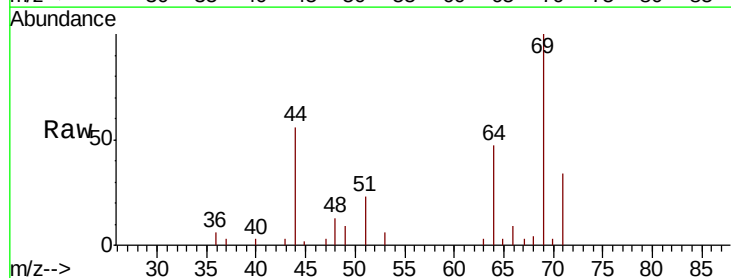
Acq: 06 Sep 2018 15:34

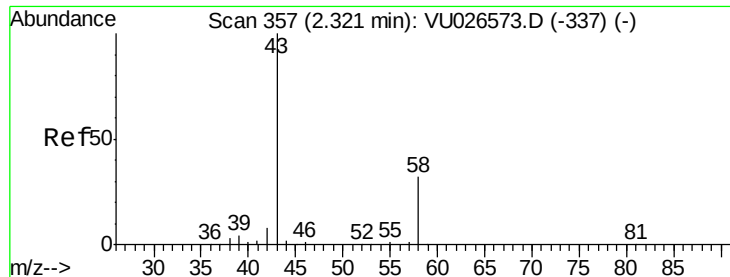
Tgt Ion: 64 Resp: 1662

Ion Ratio Lower Upper

64 100

66 18.9 22.2 41.2#





#13

Acetone

Concen: 4.45 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

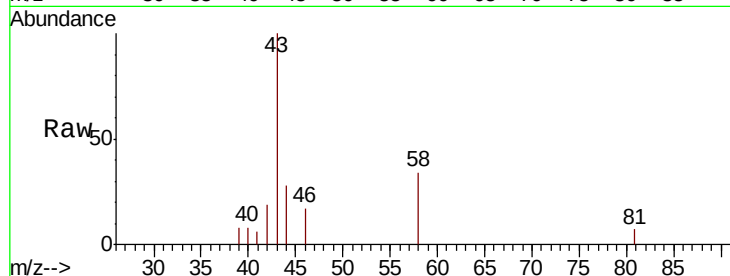
BEGD2

Tot Ion: 43 Resp: 3087

Ion Ratio Lower Upper

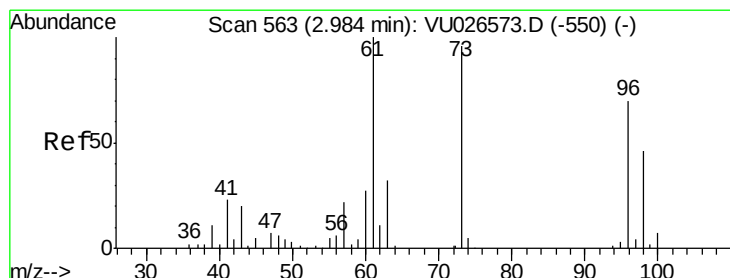
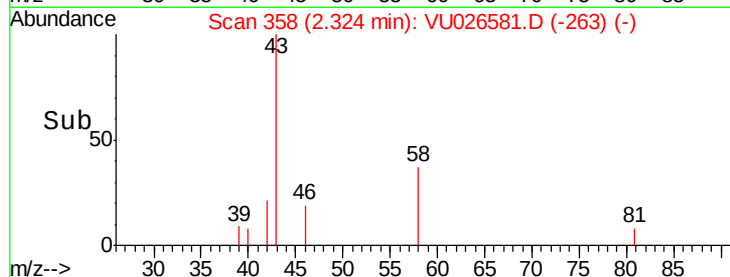
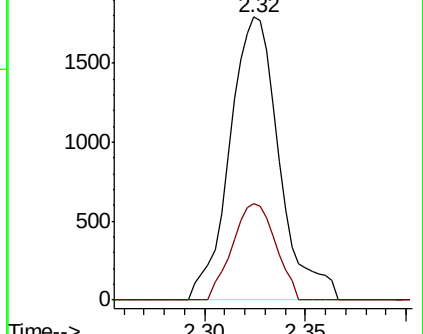
43 100

58 29.8 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: 5.26 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

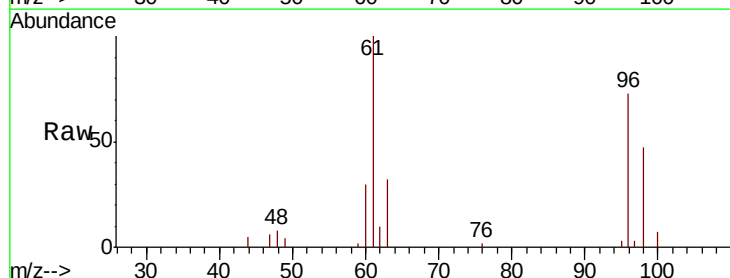
Tgt Ion: 96 Resp: 5665

Ion Ratio Lower Upper

96 100

61 136.3 103.2 191.6

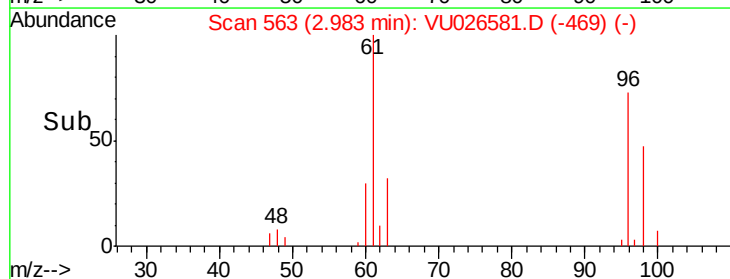
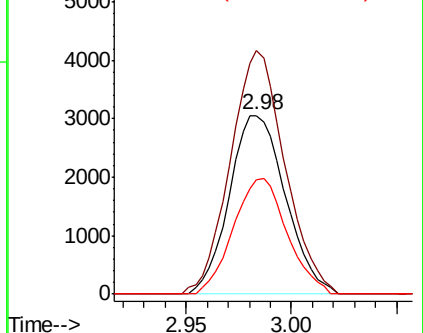
98 63.7 44.9 83.3

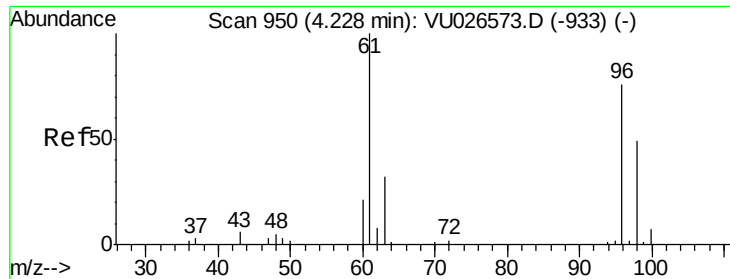


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

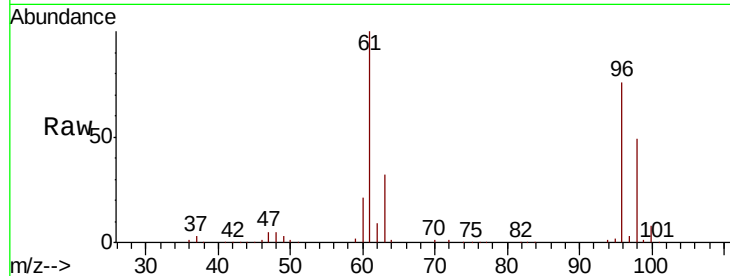




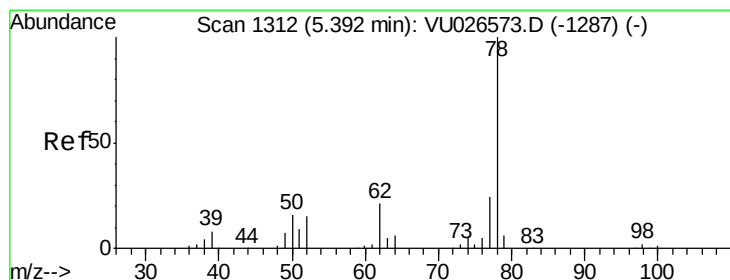
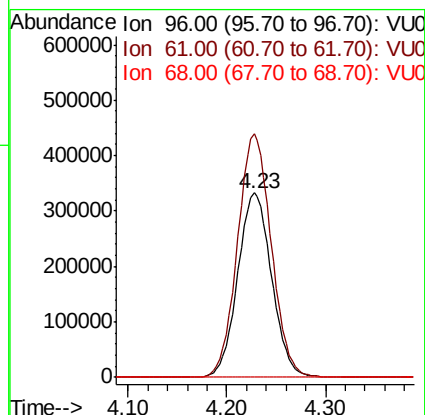
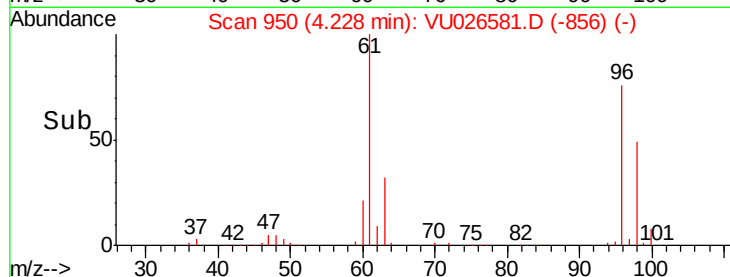
#20
 cis-1,2-Dichloroethene
 Concen: 657.95 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026581.D
 Acq: 06 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleID :
 BEGD2

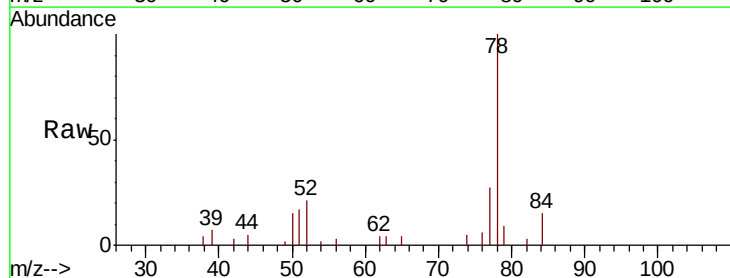
Tot Ion: 96 Resp: 793132
 Ion Ratio Lower Upper
 96 100
 61 132.1 91.6 170.2
 68 0.0 0.0 0.0



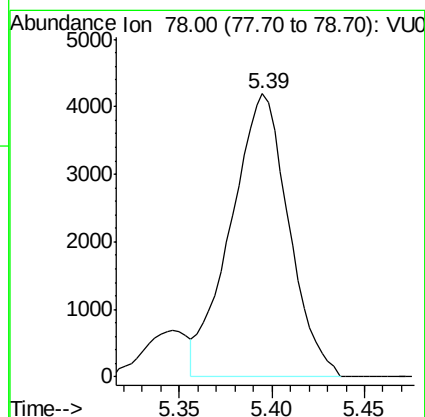
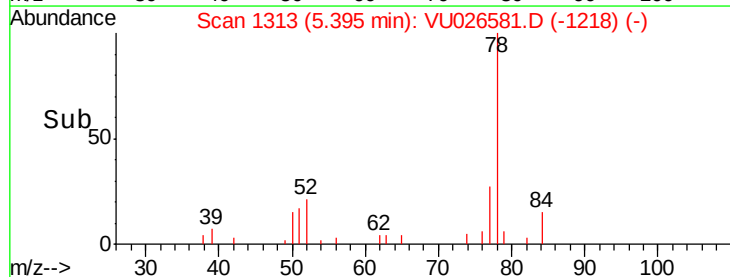
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

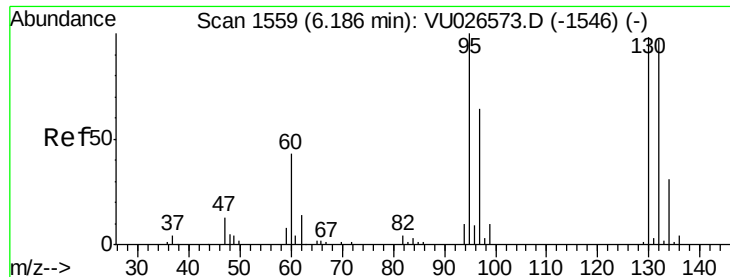


#33
 Benzene
 Concen: 2.07 ug/L
 RT: 5.39 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: VU026581.D
 Acq: 06 Sep 2018 15:34
 Tgt Ion: 78 Resp: 9112



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 24.90 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

BEGD2

Tot Ion: 95 Resp: 27438

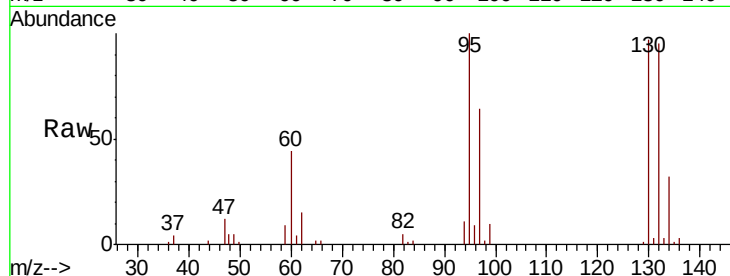
Ion Ratio Lower Upper

95 100

97 63.5 45.1 83.7

132 94.5 67.5 125.3

130 96.9 69.3 128.7

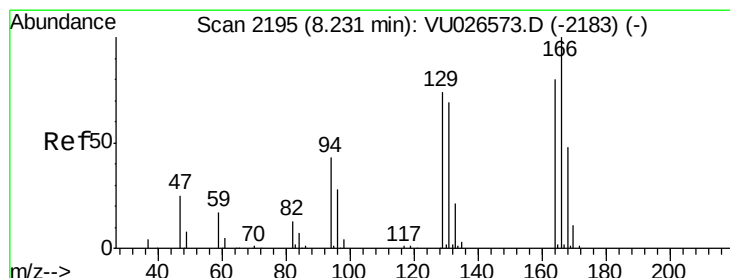
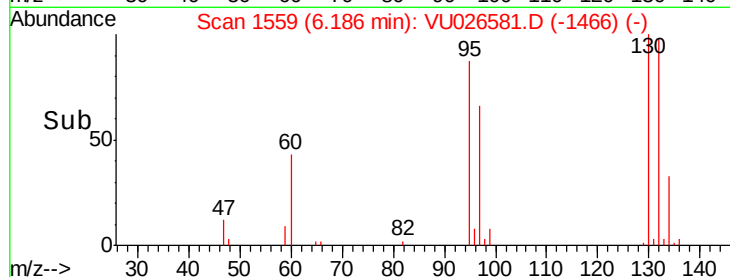
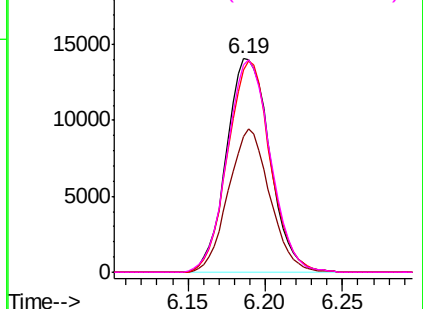


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.27 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

Tgt Ion: 164 Resp: 4746

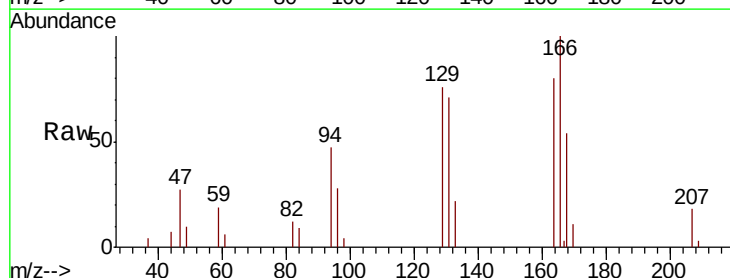
Ion Ratio Lower Upper

164 100

129 94.6 67.3 125.1

131 89.2 65.3 121.3

166 125.2 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

