

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030723.D
 Acq On : 05 Apr 2019 07:15
 Operator : JC/SP
 Sample : K2249-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD8

Quant Time: Apr 05 08:58:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 08:33:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	472617	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	471168	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194234	50.00	ug/L	0.00

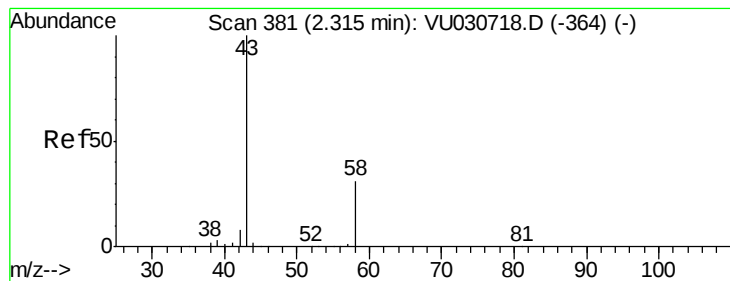
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	227487	53.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.84%
7) Chloroethane-d5	1.68	69	178521	55.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.50%
11) 1,1-Dichloroethene-d2	2.27	63	311962	40.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.76%
21) 2-Butanone-d5	4.17	46	348974	104.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.37%
24) Chloroform-d	4.64	84	327717	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
26) 1,2-Dichloroethane-d4	5.31	65	232528	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.76%
32) Benzene-d6	5.34	84	702484	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.14%
36) 1,2-Dichloropropane-d6	6.32	67	243288	51.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.22%
41) Toluene-d8	7.56	98	593173	48.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.30%
43) trans-1,3-Dichloropropene-	7.85	79	99242	46.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.34%
47) 2-Hexanone-d5	8.31	63	213229	98.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.97%
57) 1,1,1,2,2-Tetrachloroethane-	10.43	84	314367	49.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	196991	51.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.14%

Target Compounds

					Ovalue
13) Acetone	2.32	43	14121	4.127 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	7745	2.233 ug/L	97
19) 1,1-Dichloroethane	3.44	63	48106	6.720 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	32905	8.591 ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	75423	13.135 ug/L	99
34) Trichloroethene	6.18	95	30720	8.123 ug/L	98
46) Tetrachloroethene	8.22	164	66907	24.335 ug/L	99

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



#13

Acetone

Concen: 4.127 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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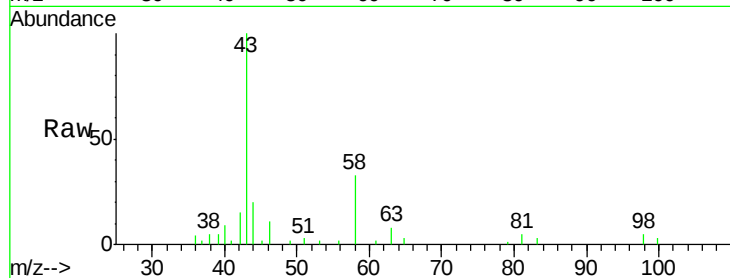
E3YD8

Tot Ion: 43 Resp: 14121

Ion Ratio Lower Upper

43 100

58 31.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

10000

8000

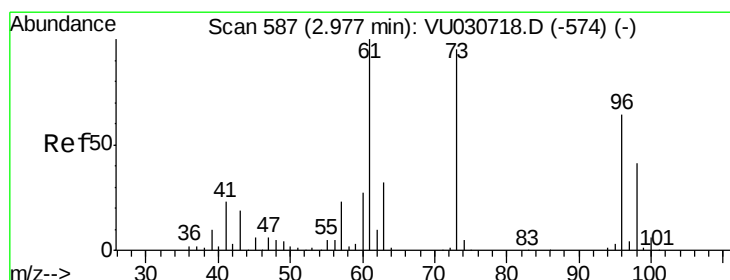
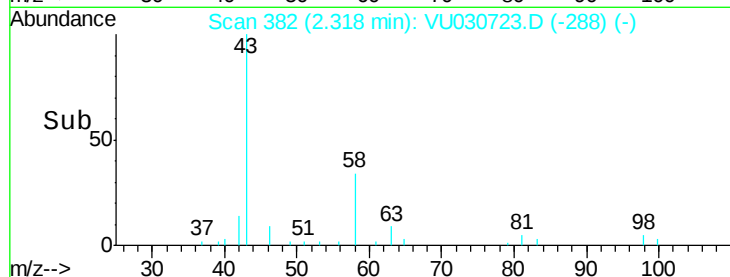
6000

4000

2000

0

Time--> 2.25 2.30 2.35



#17

trans-1,2-Dichloroethene

Concen: 2.233 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU030723.D

Acq: 05 Apr 2019 07:15

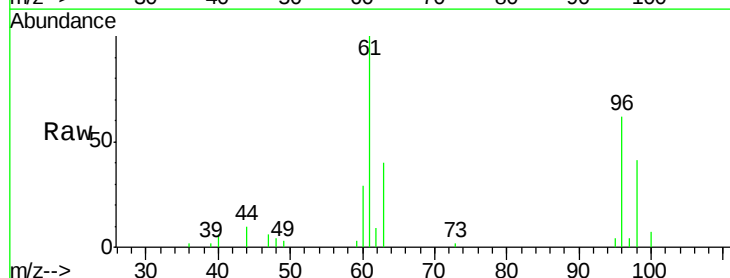
Tgt Ion: 96 Resp: 7745

Ion Ratio Lower Upper

96 100

61 160.2 109.5 203.3

98 65.4 44.0 81.6



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

10000

8000

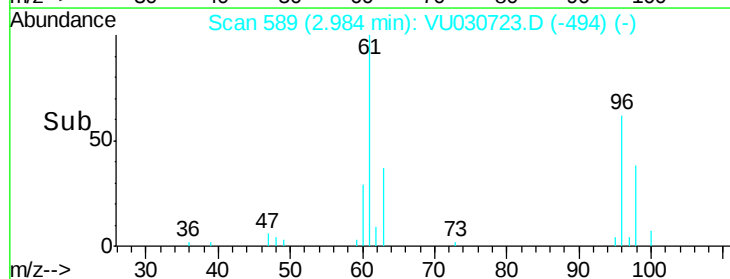
6000

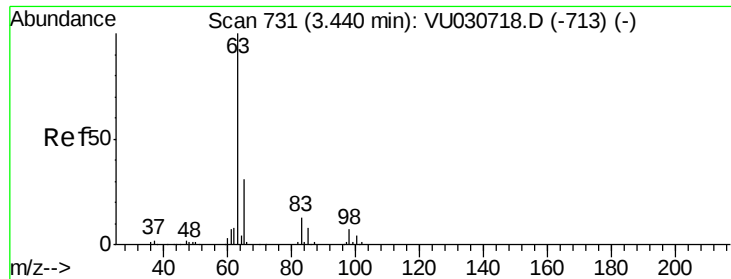
4000

2000

0

Time--> 2.95 3.00

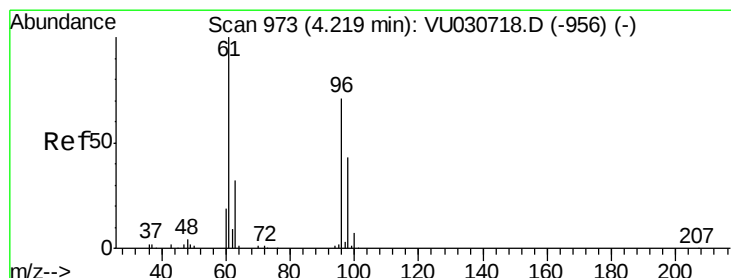
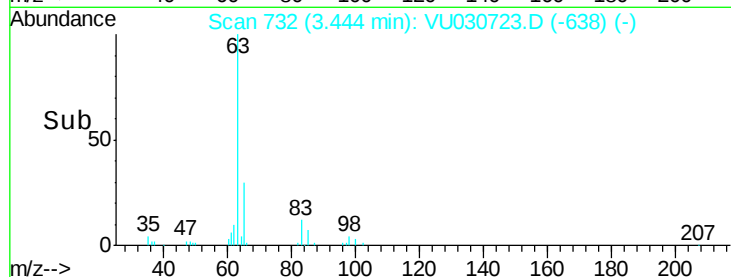
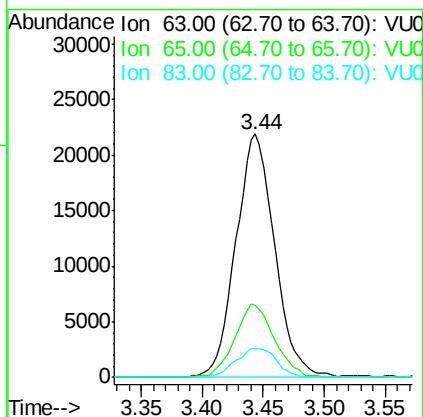
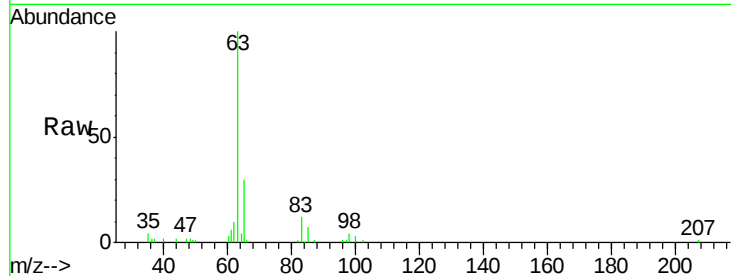




#19
 1,1-Dichloroethane
 Concen: 6.720 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

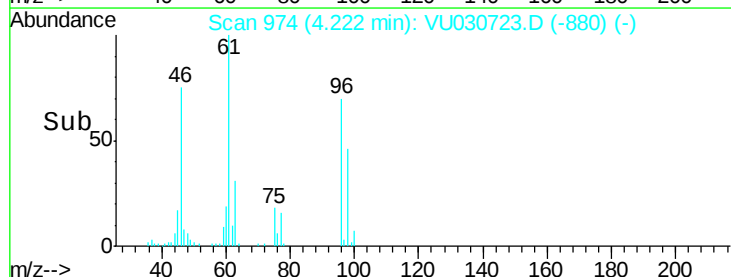
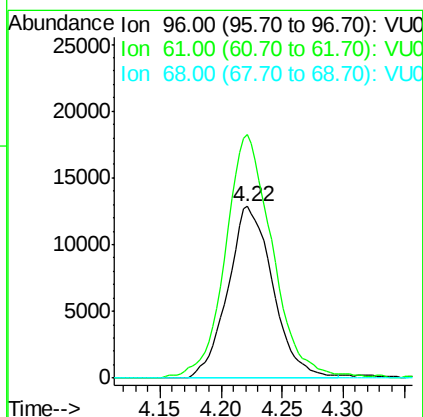
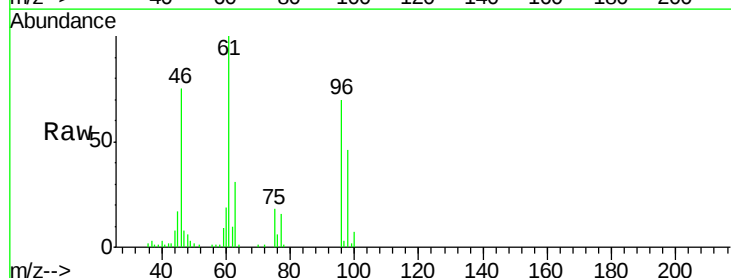
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD8

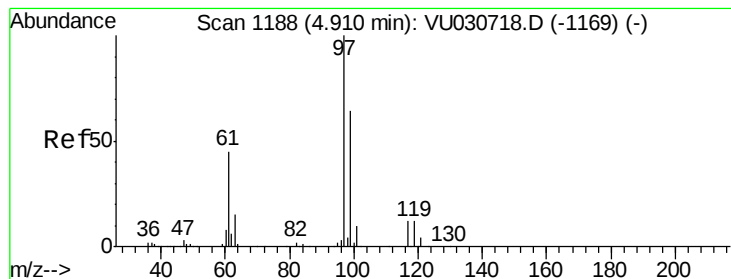
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	21.4	39.8
83	11.7	8.5	15.7



#20
 cis-1,2-Dichloroethene
 Concen: 8.591 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030723.D
 Acq: 05 Apr 2019 07:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.1	102.9	191.1
68	0.0	0.0	0.0





#30

1,1,1-Trichloroethane

Concen: 13.135 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU030723.D

Acq: 05 Apr 2019 07:15

Instrument :

MSVOA_U

ClientSampled :

E3YD8

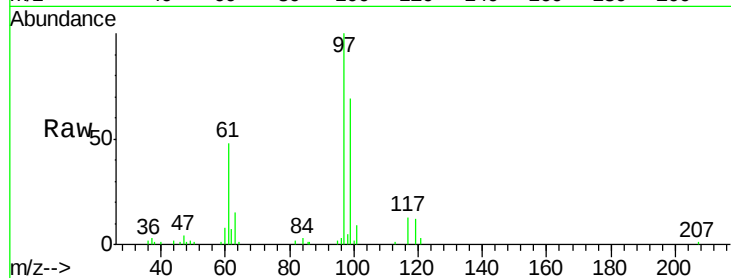
Tot Ion: 97 Resp: 75423

Ion Ratio Lower Upper

97 100

99 66.1 51.4 77.2

61 46.6 37.1 55.7

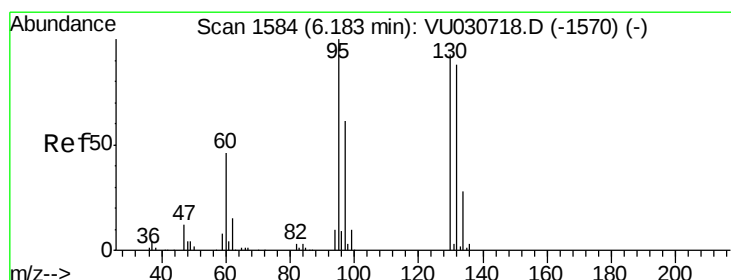
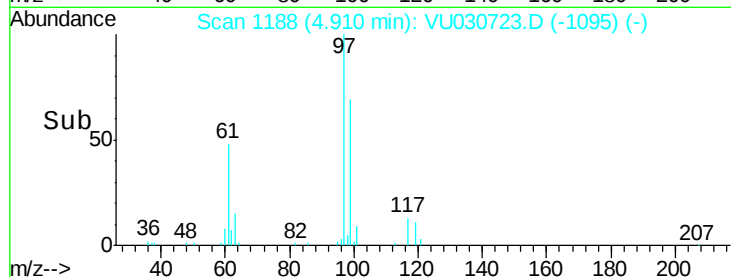
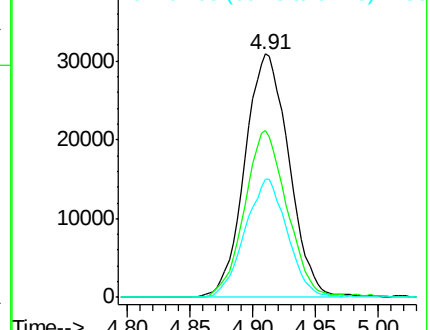


Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0



#34

Trichloroethene

Concen: 8.123 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030723.D

Acq: 05 Apr 2019 07:15

Tgt Ion: 95 Resp: 30720

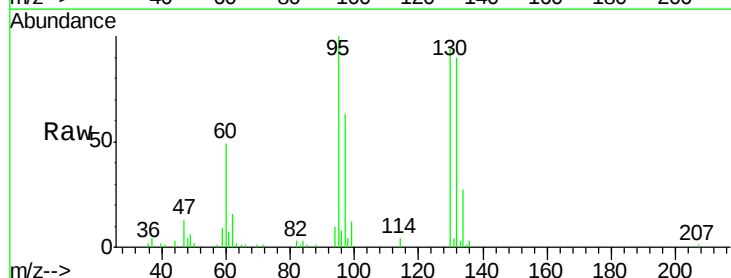
Ion Ratio Lower Upper

95 100

97 63.4 44.5 82.7

132 90.3 61.5 114.1

130 94.3 64.9 120.5



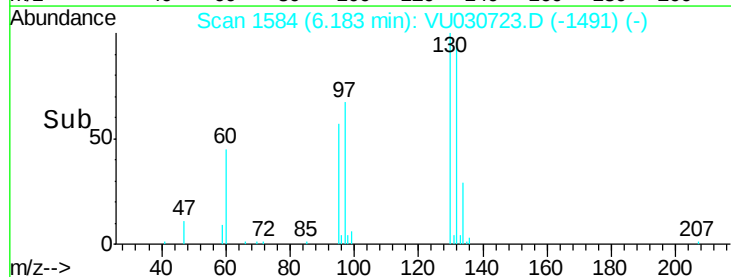
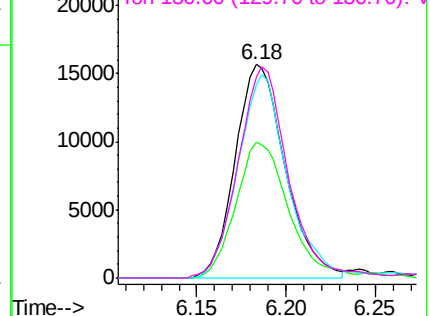
Abundance

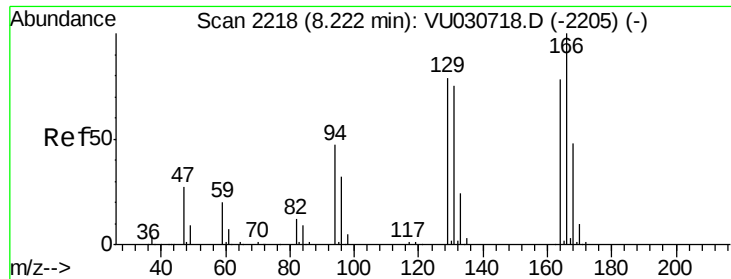
Ion 95.00 (94.70 to 95.70): VU0

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: 24.335 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030723.D

Acq: 05 Apr 2019 07:15

Instrument :
MSVOA_U
ClientSampleId :
E3YD8

Tot Ion:164 Resp: 66907

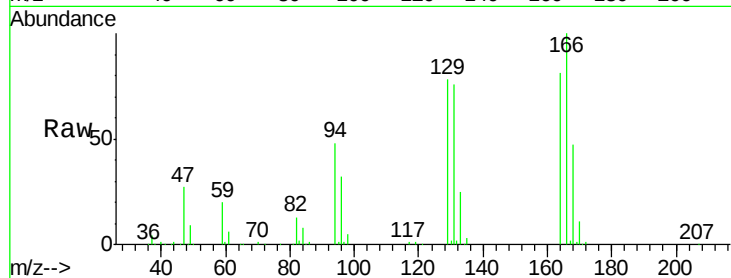
Ion Ratio Lower Upper

164 100

129 96.5 67.4 125.2

131 94.3 65.9 122.5

166 123.7 88.6 164.6



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

