

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
 Data File : VU025396.D
 Acq On : 13 Jul 2018 16:37
 Operator : MD/SY
 Sample : J3984-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 13 17:29:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 13 14:43:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	321765	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	291556	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	141075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	85736	44.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.14%
7) Chloroethane-d5	1.68	69	69549	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.68%
11) 1,1-Dichloroethene-d2	2.27	63	132728	31.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.26%
21) 2-Butanone-d5	4.17	46	164839	102.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.53%
24) Chloroform-d	4.65	84	178686	43.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.74%
26) 1,2-Dichloroethane-d4	5.31	65	128602	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.04%
32) Benzene-d6	5.35	84	357869	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
36) 1,2-Dichloropropane-d6	6.33	67	115945	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.00%
41) Toluene-d8	7.57	98	337658	43.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.28%
43) trans-1,3-Dichloropropene-	7.85	79	54267	42.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.96%
47) 2-Hexanone-d5	8.31	63	128718	110.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.69%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	164635	45.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	141428	46.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.02%

Target Compounds

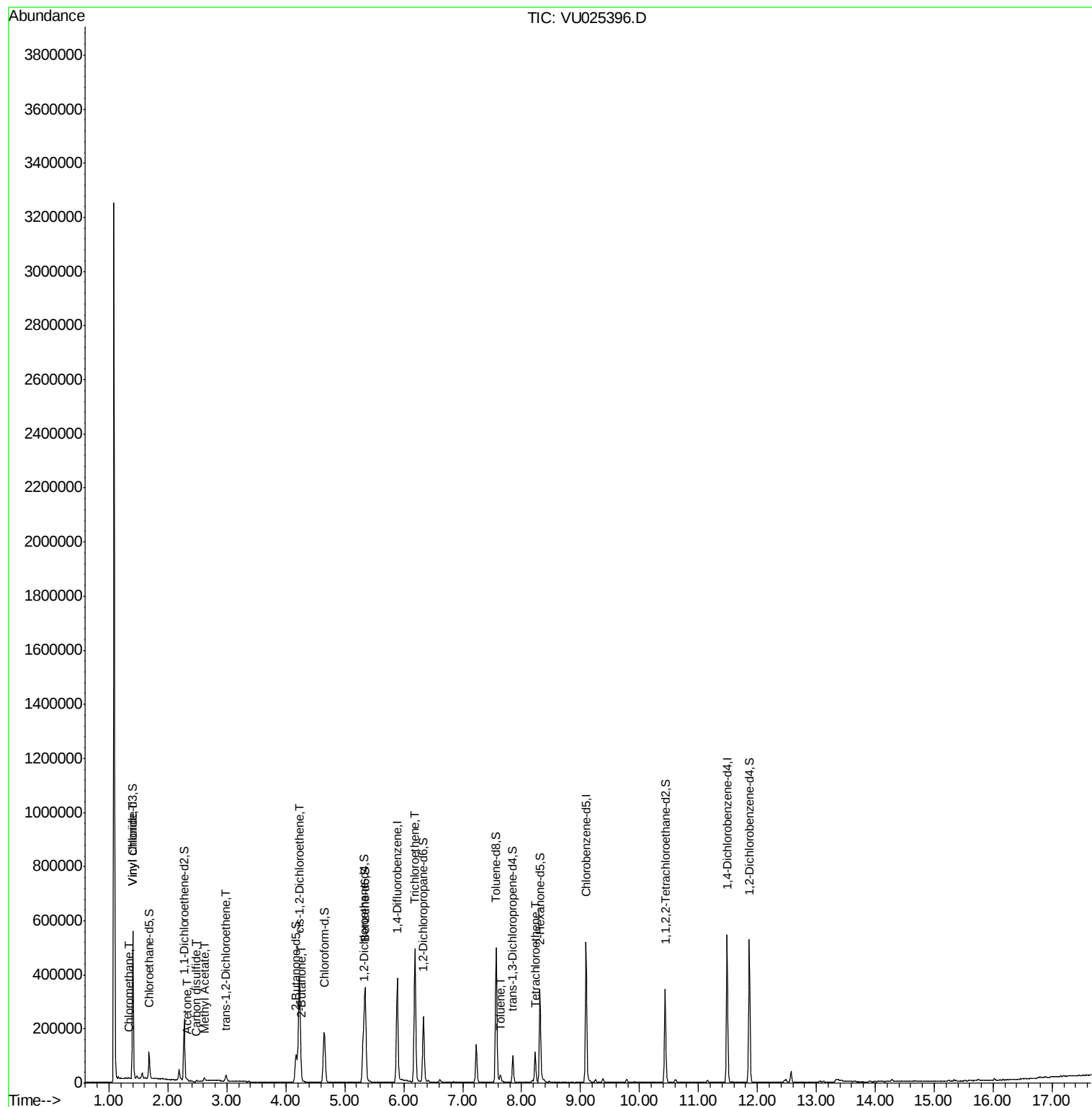
					Ovalue
3) Chloromethane	1.33	50	6181	2.563	ug/L 97
5) Vinyl chloride	1.40	62	284574	114.036	ug/L 100
13) Acetone	2.32	43	10337	6.255	ug/L 98
14) Carbon disulfide	2.48	76	8779	1.473	ug/L 97
15) Methyl Acetate	2.61	43	10768	4.259	ug/L 96
17) trans-1,2-Dichloroethene	2.99	96	8891	4.161	ug/L 95
20) cis-1,2-Dichloroethene	4.23	96	213018	86.316	ug/L 96
22) 2-Butanone	4.27	43	3636	1.860	ug/L # 45
34) Trichloroethene	6.19	95	171019	72.708	ug/L 99
42) Toluene	7.64	91	18218	1.896	ug/L 92
46) Tetrachloroethene	8.23	164	24920	12.516	ug/L 97

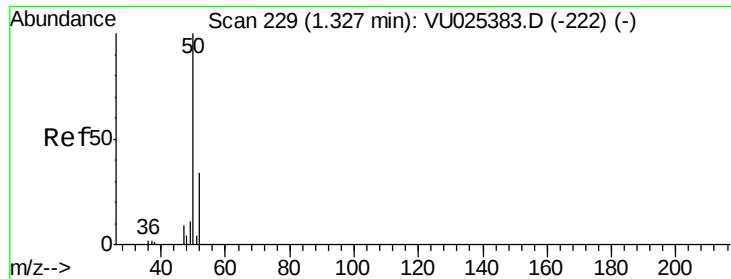
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jul 13 14:43:42 2018
Response via : Initial Calibration





#3

Chloromethane

Concen: 2.563 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025396.D

Acq: 13 Jul 2018 16:37

Instrument :

MSVOA_U

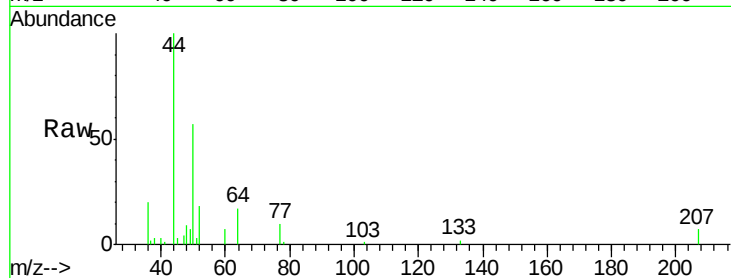
ClientSampled :

Tot Ion: 50 Resp: 6181

Ion Ratio Lower Upper

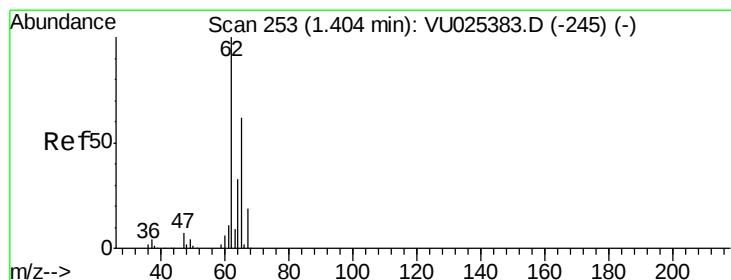
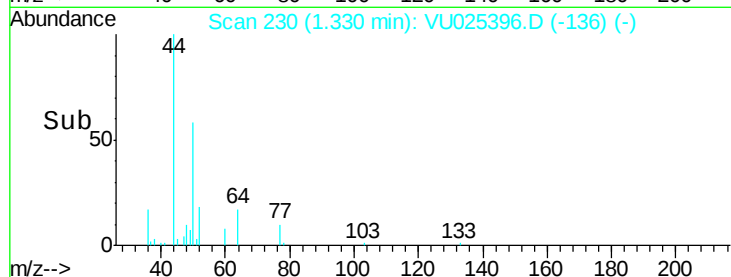
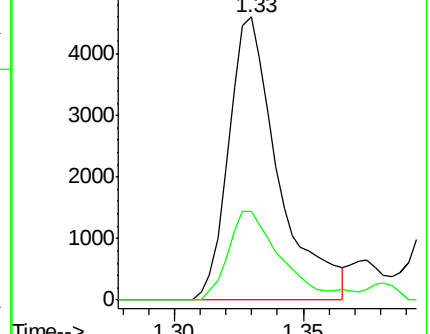
50 100

52 31.2 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#5

Vinyl chloride

Concen: 114.036 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025396.D

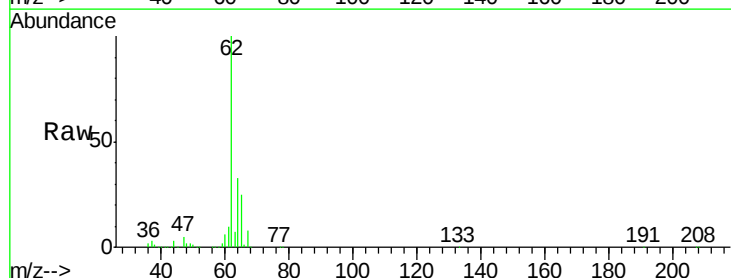
Acq: 13 Jul 2018 16:37

Tgt Ion: 62 Resp: 284574

Ion Ratio Lower Upper

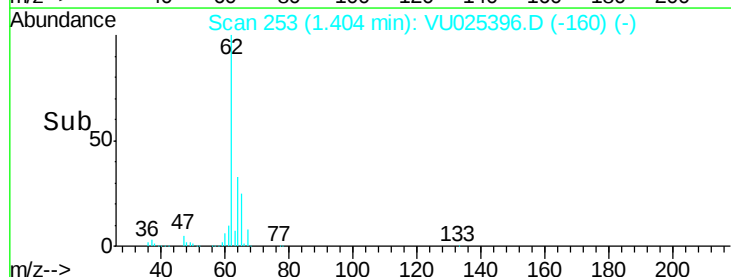
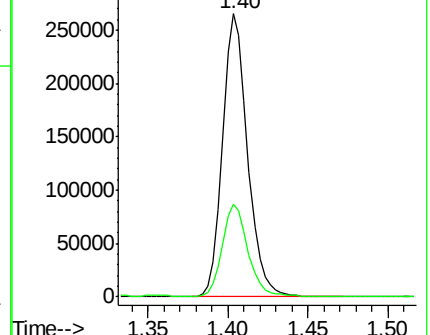
62 100

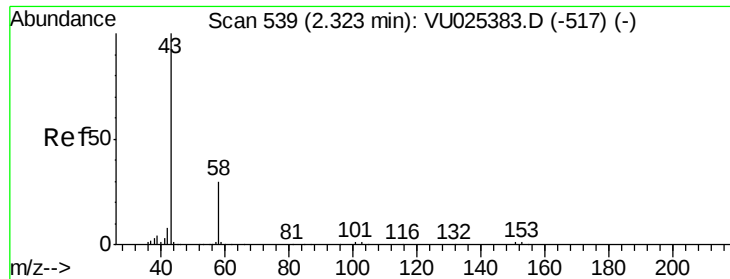
64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#13

Acetone

Concen: 6.255 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025396.D

Acq: 13 Jul 2018 16:37

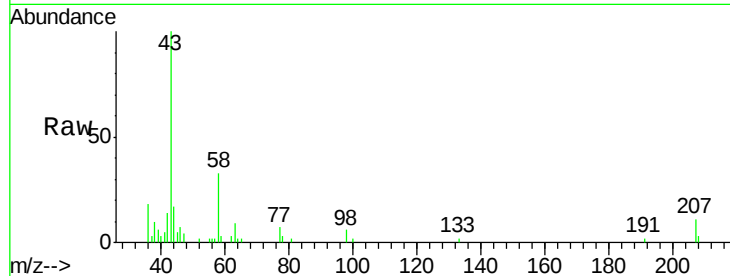
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 10337

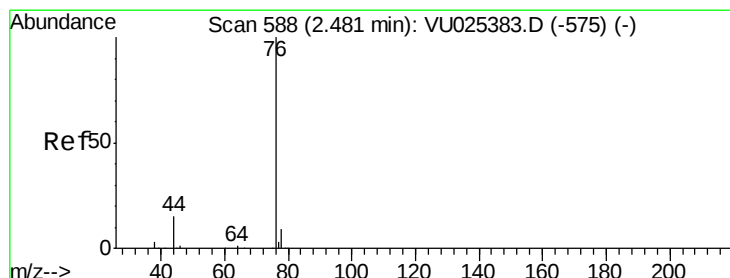
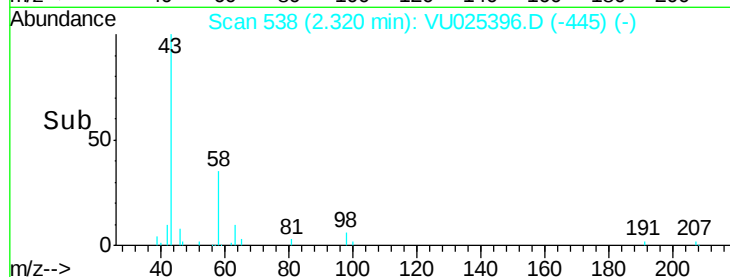
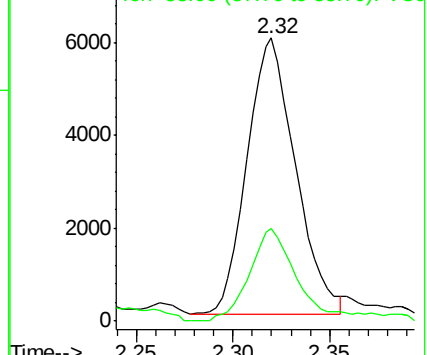
Ion Ratio Lower Upper

43 100

58 30.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 1.473 ug/L

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU025396.D

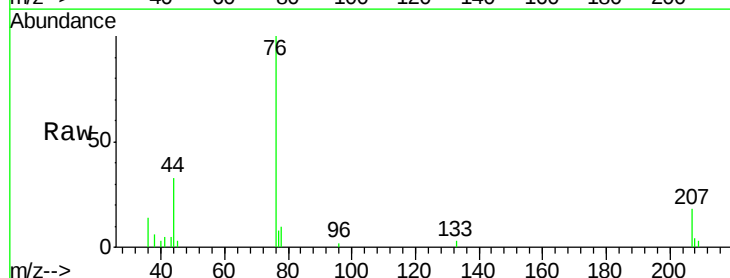
Acq: 13 Jul 2018 16:37

Tgt Ion: 76 Resp: 8779

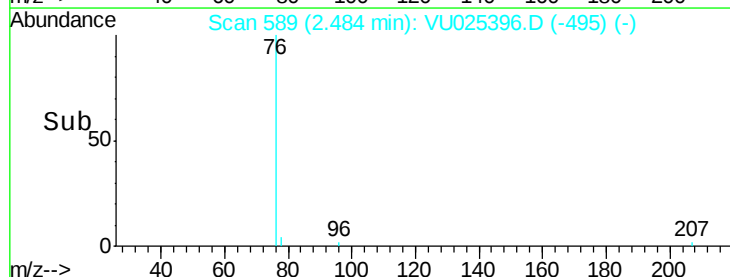
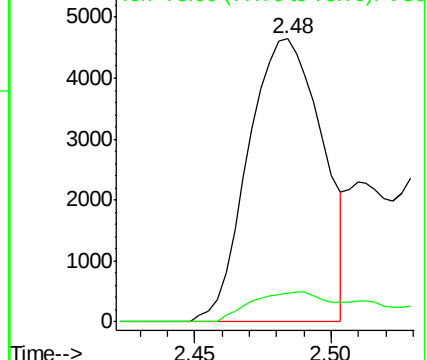
Ion Ratio Lower Upper

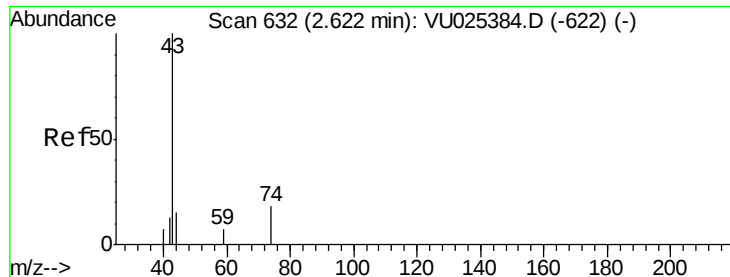
76 100

78 10.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0
Ion 78.00 (77.70 to 78.70): VU0

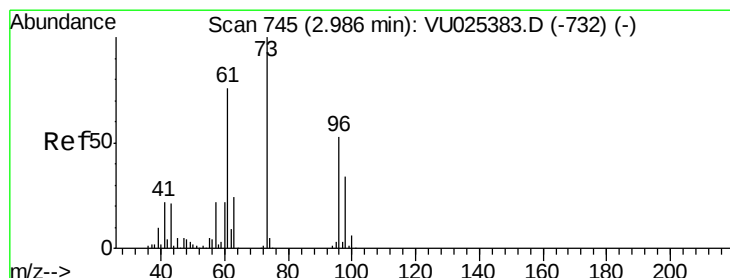
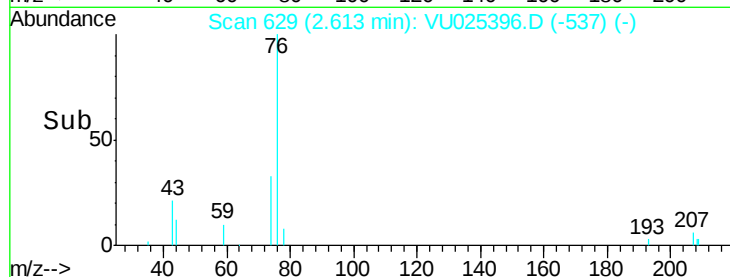
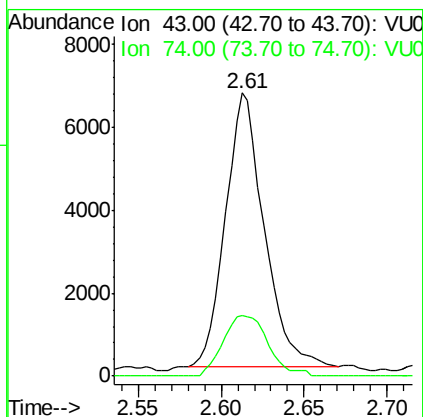
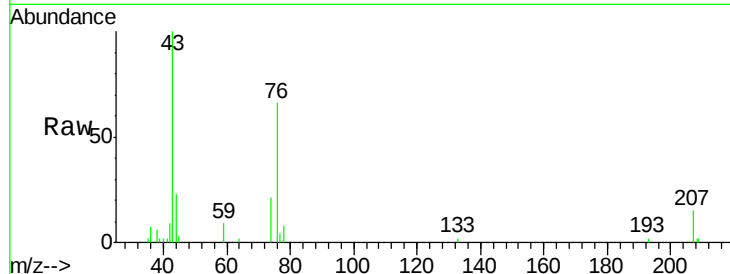




#15
Methvl Acetate
Concen: 4.259 ug/L
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU025396.D
Acq: 13 Jul 2018 16:37

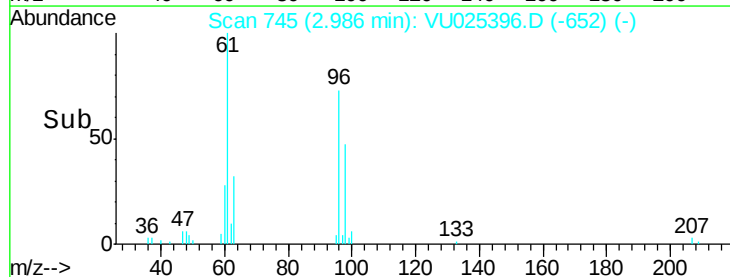
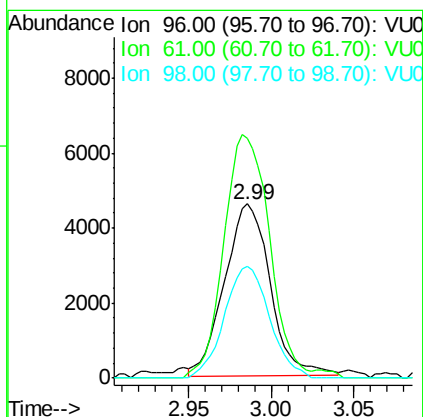
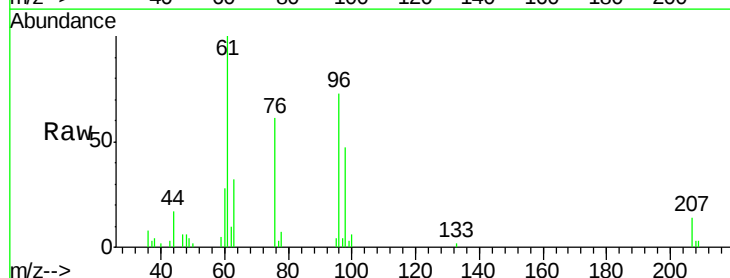
Instrument :
MSVOA_U
ClientSampleId :

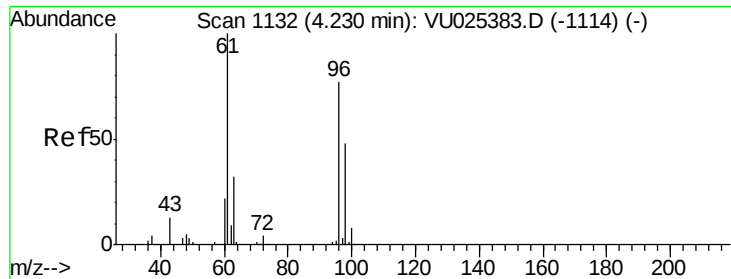
Tot Ion: 43 Resp: 10768
Ion Ratio Lower Upper
43 100
74 25.0 18.6 28.0



#17
trans-1,2-Dichloroethene
Concen: 4.161 ug/L
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU025396.D
Acq: 13 Jul 2018 16:37

Tgt Ion: 96 Resp: 8891
Ion Ratio Lower Upper
96 100
61 137.8 102.7 190.7
98 64.2 44.4 82.5





#20

cis-1,2-Dichloroethene

Concen: 86.316 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025396.D

Acq: 13 Jul 2018 16:37

Instrument :

MSVOA_U

ClientSampleId :

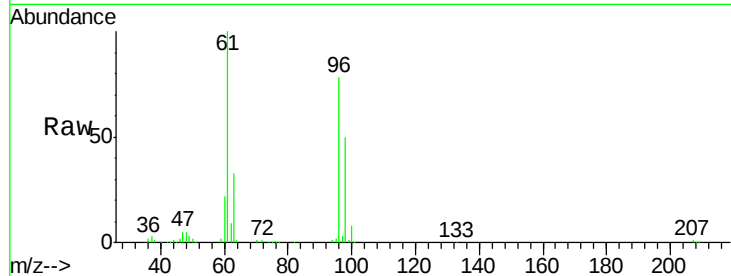
Tot Ion: 96 Resp: 213018

Ion Ratio Lower Upper

96 100

61 128.2 93.4 173.6

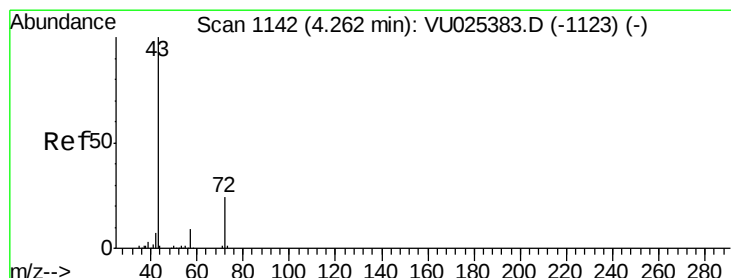
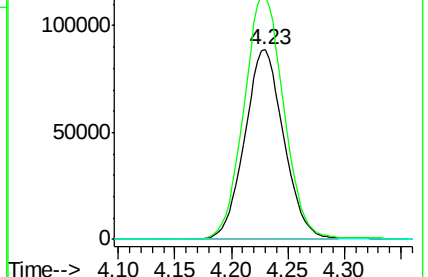
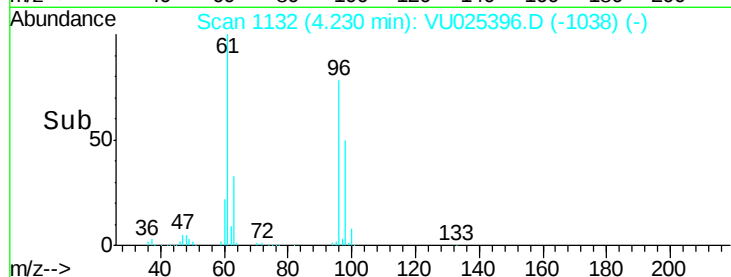
68 0.0 0.0 0.0



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



#22

2-Butanone

Concen: 1.860 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU025396.D

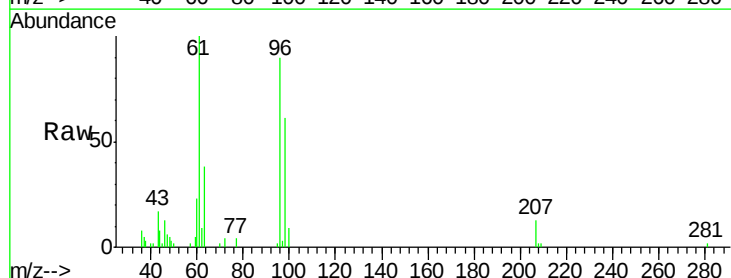
Acq: 13 Jul 2018 16:37

Tgt Ion: 43 Resp: 3636

Ion Ratio Lower Upper

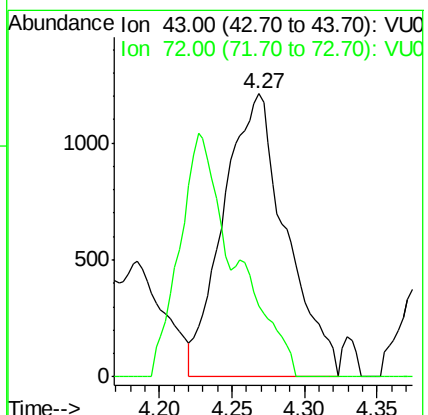
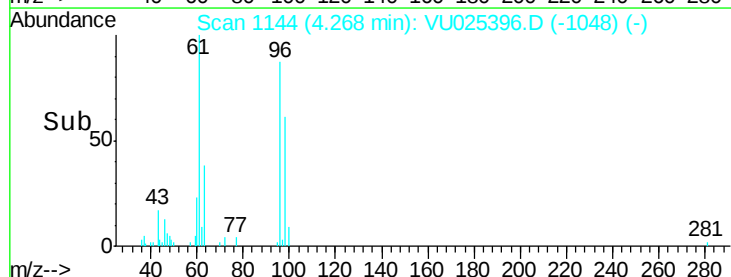
43 100

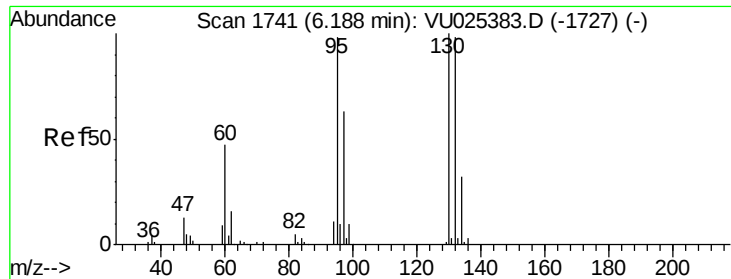
72 56.0 13.7 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

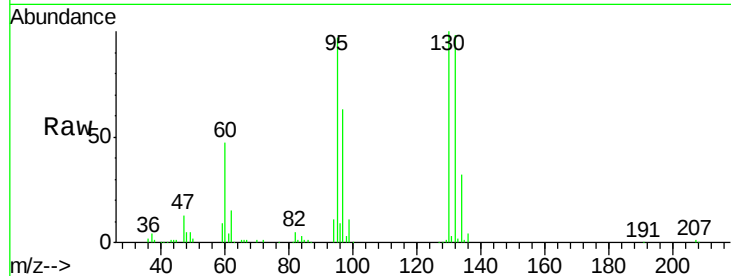




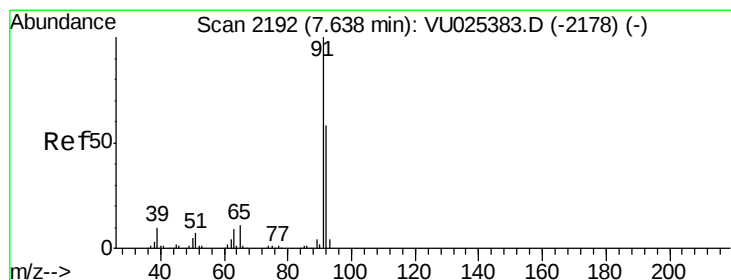
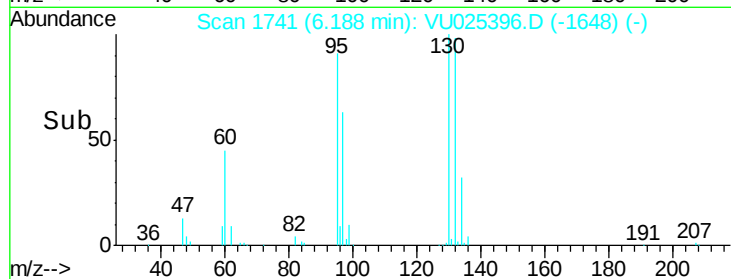
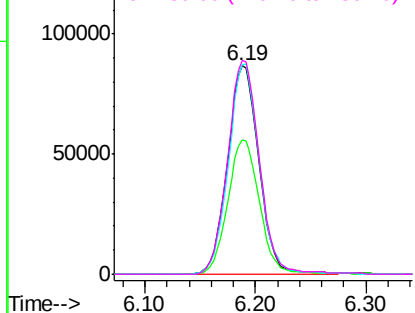
#34
 Trichloroethene
 Concen: 72.708 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU025396.D
 Acq: 13 Jul 2018 16:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 171019
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.1 81.9
 132 101.0 70.2 130.4
 130 102.7 71.7 133.1

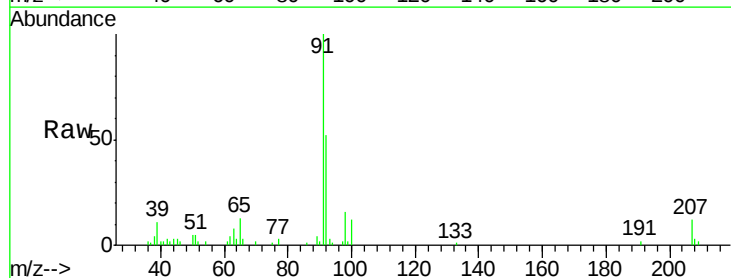


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

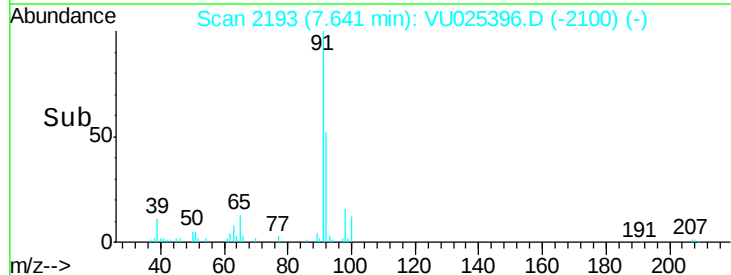
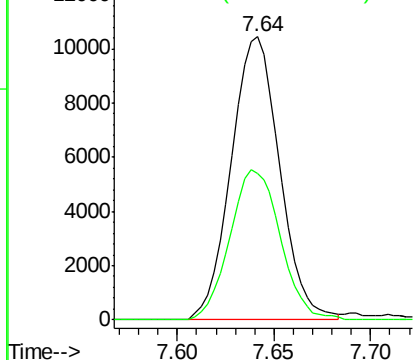


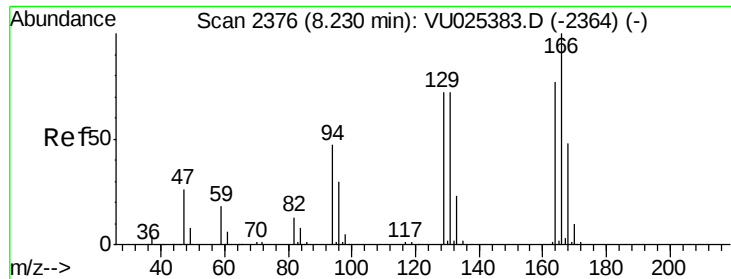
#42
 Toluene
 Concen: 1.896 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025396.D
 Acq: 13 Jul 2018 16:37

Tgt Ion: 91 Resp: 18218
 Ion Ratio Lower Upper
 91 100
 92 51.9 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 12.516 ug/L

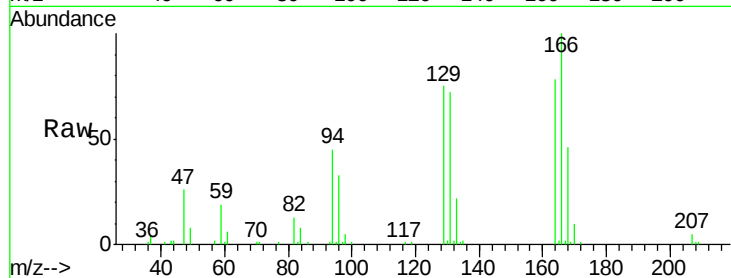
RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025396.D

Acq: 13 Jul 2018 16:37

Instrument :
MSVOA_U
ClientSampleId :



Tot Ion:164 Resp: 24920

Ion Ratio Lower Upper

164 100

129 96.9 66.1 122.8

131 93.2 62.7 116.5

166 128.9 88.8 165.0

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

