

Data File : VU025402.D
Acq On : 13 Jul 2018 21:08
Operator : MD/SY
Sample : J3984-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB183

Quant Time: Jul 14 04:44:10 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	332772	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	311063	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	150106	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78750	39.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.18%
7) Chloroethane-d5	1.68	69	64553	39.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.70%
11) 1,1-Dichloroethene-d2	2.28	63	128995	29.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.46%#
21) 2-Butanone-d5	4.17	46	153696	92.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.43%
24) Chloroform-d	4.65	84	174369	40.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.84%
26) 1,2-Dichloroethane-d4	5.31	65	124989	41.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.74%
32) Benzene-d6	5.34	84	340011	39.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.68%
36) 1,2-Dichloropropane-d6	6.33	67	110446	40.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.26%
41) Toluene-d8	7.57	98	332013	39.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.52%#
43) trans-1,3-Dichloropropene-	7.85	79	47838	35.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.20%
47) 2-Hexanone-d5	8.31	63	116897	94.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.22%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	159201	41.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	134252	41.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.10%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	5912	2.370 ug/L	99
5) Vinyl chloride	1.40	62	376275	145.795 ug/L	99
12) 1,1-Dichloroethene	2.28	96	8735	4.279 ug/L #	1
13) Acetone	2.32	43	4174	2.442 ug/L	93
14) Carbon disulfide	2.49	76	16647	2.701 ug/L	99
15) Methyl Acetate	2.61	43	13100	5.010 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	10591	4.792 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	1023819	401.133 ug/L	98
34) Trichloroethene	6.19	95	1225070	488.173 ug/L	99
46) Tetrachloroethene	8.24	164	3586527	1688.363 ug/L	98

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

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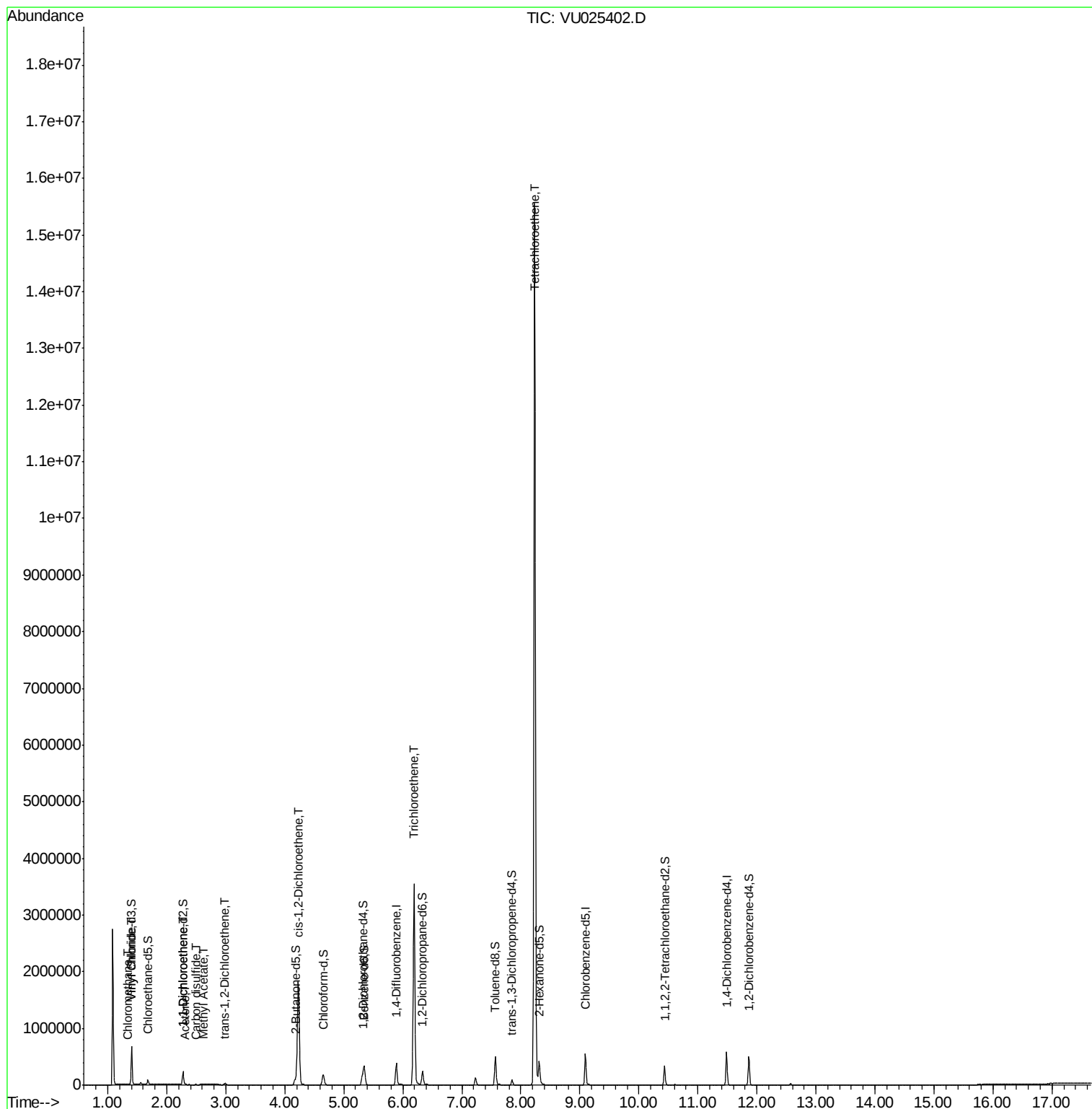
Quant Time: Jul 14 04:44:10 2018

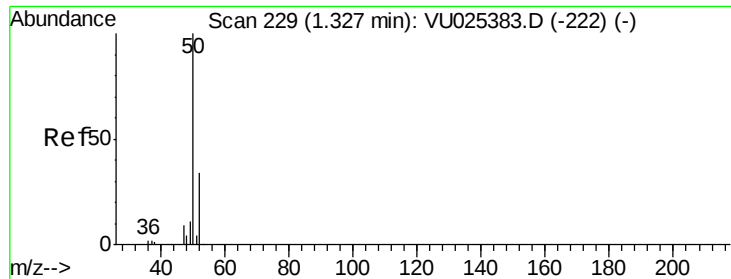
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Jul 13 14:43:42 2018

Response via : Initial Calibration

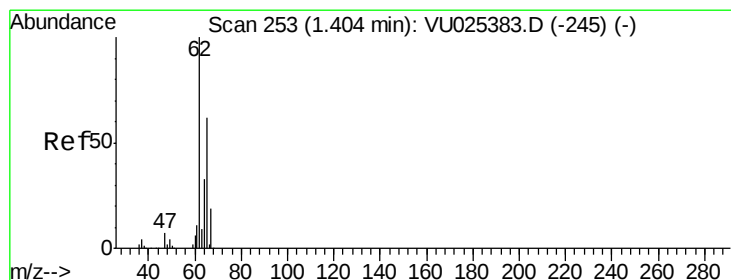
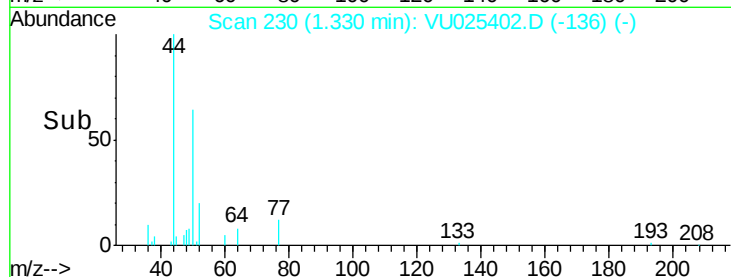
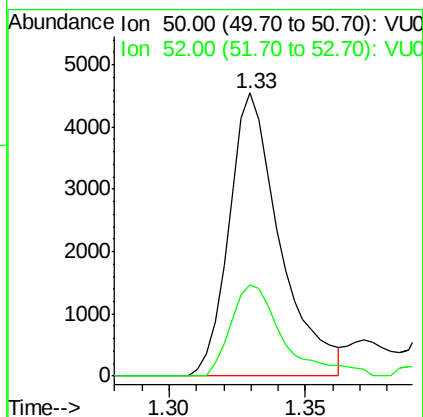
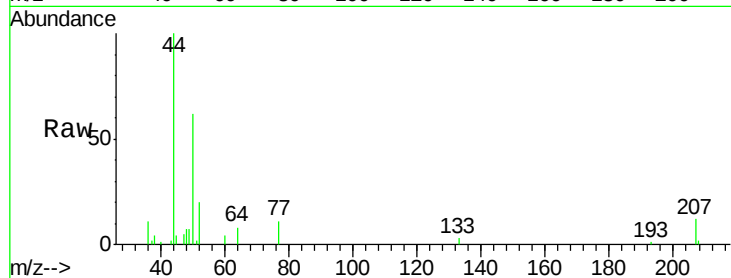




#3
Chloromethane
Concen: 2.370 ug/L
RT: 1.33 min Scan# 230
Delta R.T. 0.00 min
Lab File: VU025402.D
Acq: 13 Jul 2018 21:08

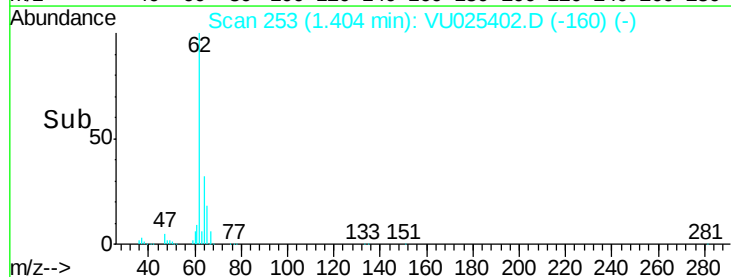
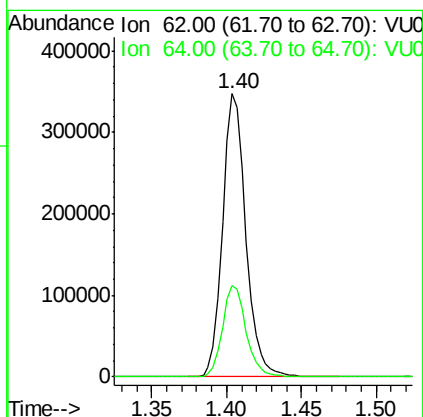
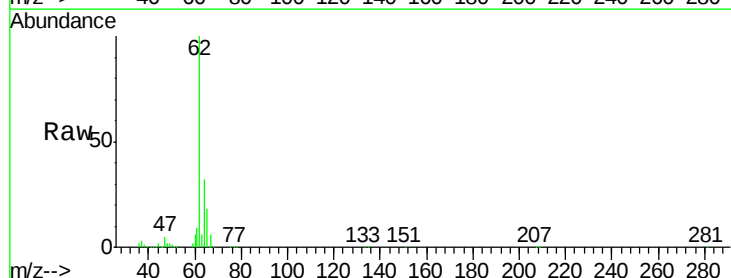
Instrument :
MSVOA_U
ClientSampleId :
DB183

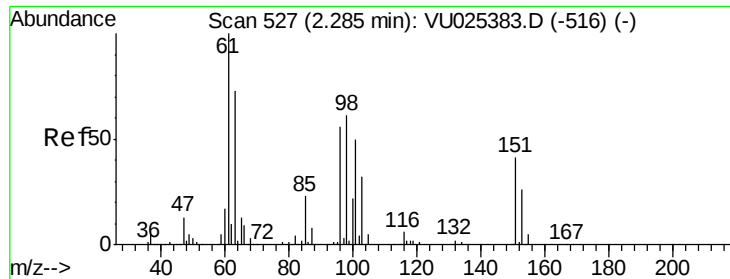
Tgt Ion: 50 Resp: 5912
Ion Ratio Lower Upper
50 100
52 32.2 23.1 42.9



#5
Vinyl chloride
Concen: 145.795 ug/L
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025402.D
Acq: 13 Jul 2018 21:08

Tgt Ion: 62 Resp: 376275
Ion Ratio Lower Upper
62 100
64 32.4 23.0 42.8

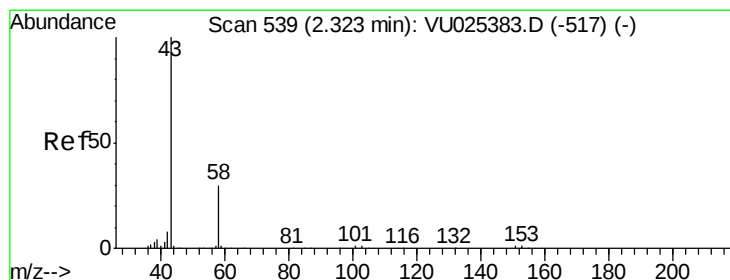
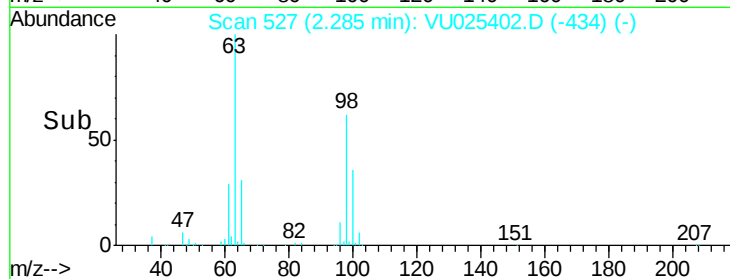
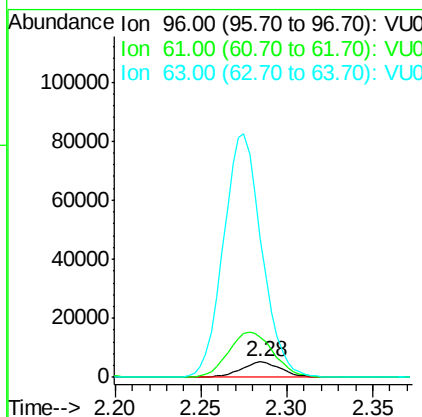
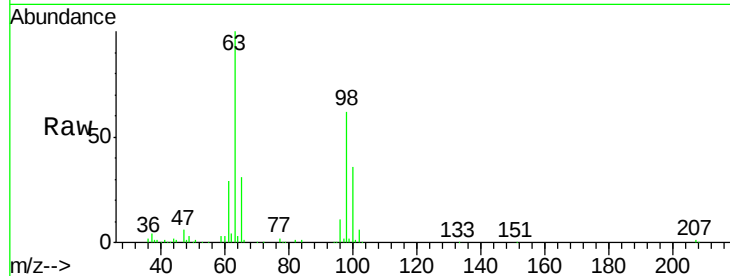




#12
 1,1-Dichloroethene
 Concen: 4.279 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025402.D
 Acq: 13 Jul 2018 21:08

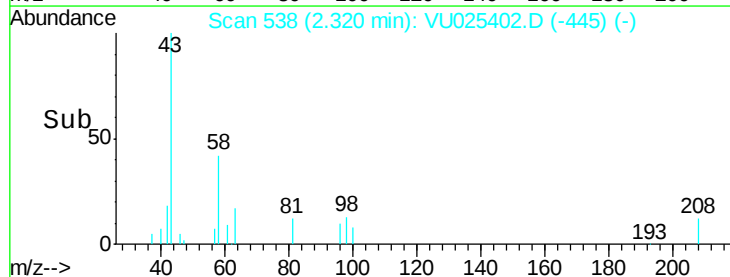
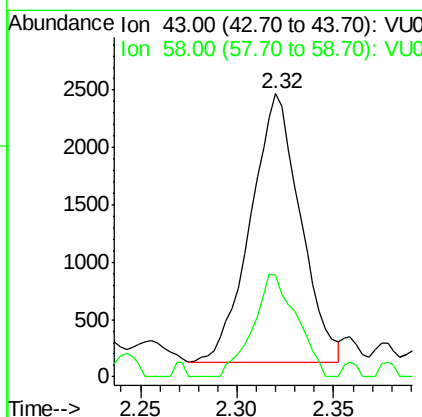
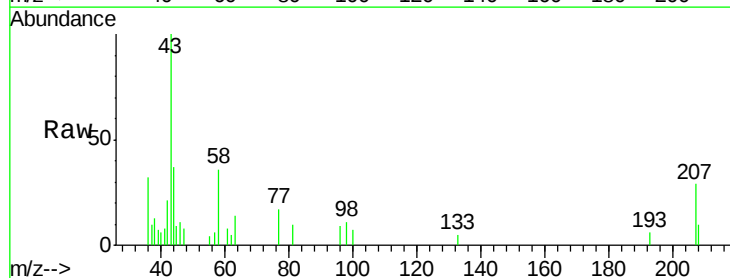
Instrument :
 MSVOA_U
 ClientSampleId :
 DB183

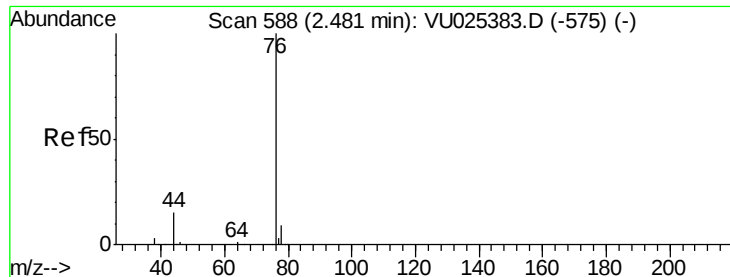
Tgt Ion: 96 Resp: 8735
 Ion Ratio Lower Upper
 96 100
 61 264.4 128.1 237.9#
 63 910.1 103.6 192.4#



#13
 Acetone
 Concen: 2.442 ug/L
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU025402.D
 Acq: 13 Jul 2018 21:08

Tgt Ion: 43 Resp: 4174
 Ion Ratio Lower Upper
 43 100
 58 33.6 0.0 59.4

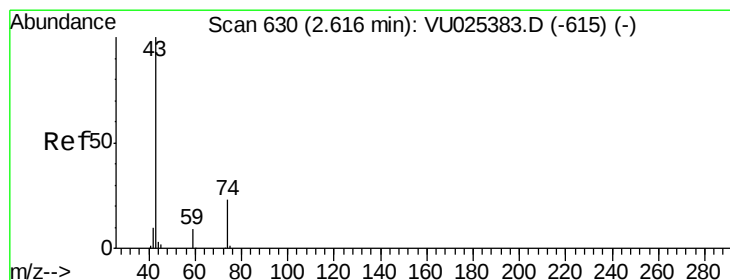
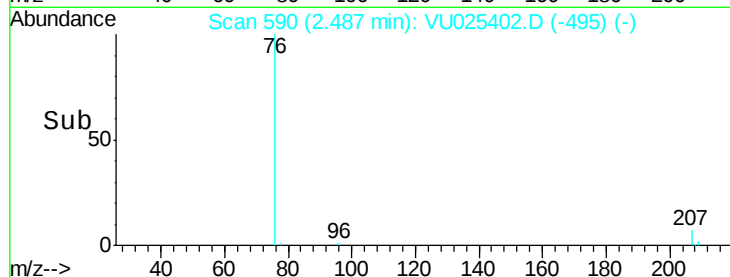
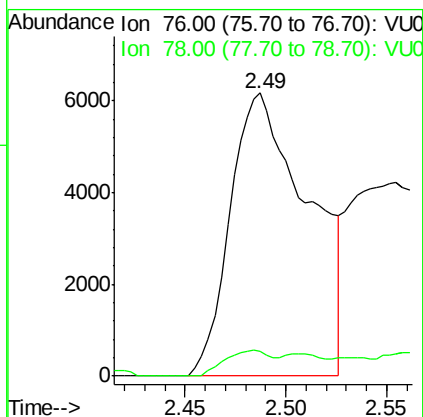
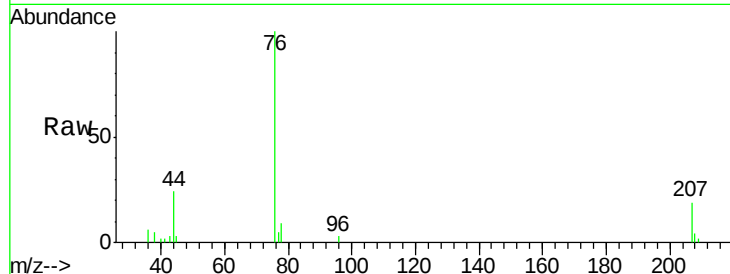




#14
Carbon disulfide
Concen: 2.701 ug/L
RT: 2.49 min Scan# 590
Delta R.T. 0.01 min
Lab File: VU025402.D
Acq: 13 Jul 2018 21:08

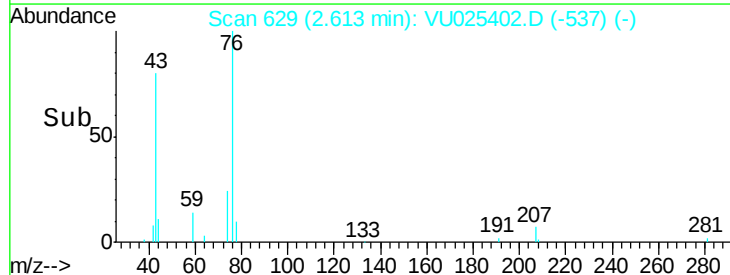
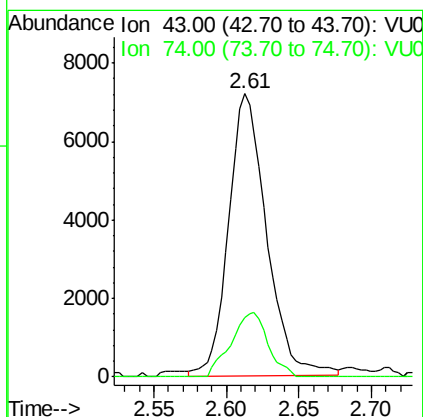
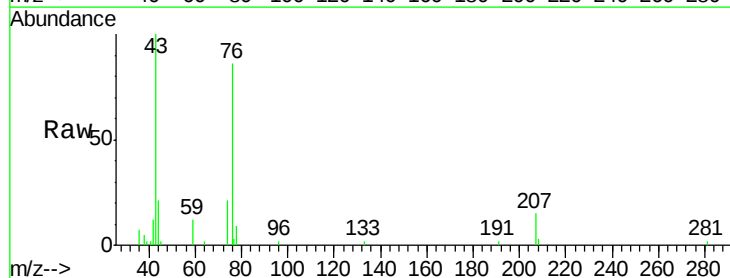
Instrument :
MSVOA_U
ClientSampleId :
DB183

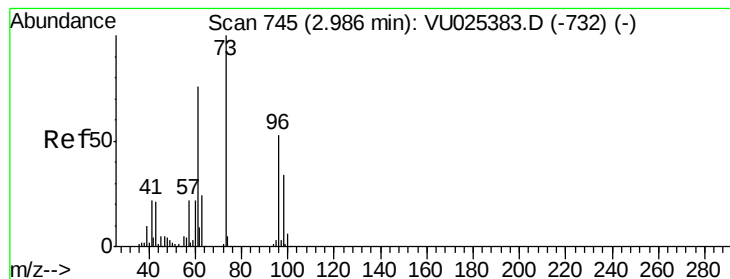
Tgt Ion: 76 Resp: 16647
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#15
Methyl Acetate
Concen: 5.010 ug/L
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU025402.D
Acq: 13 Jul 2018 21:08

Tgt Ion: 43 Resp: 13100
Ion Ratio Lower Upper
43 100
74 22.1 18.6 28.0





#17

trans-1,2-Dichloroethene

Concen: 4.792 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025402.D

Acq: 13 Jul 2018 21:08

Instrument :

MSVOA_U

ClientSampled :

DB183

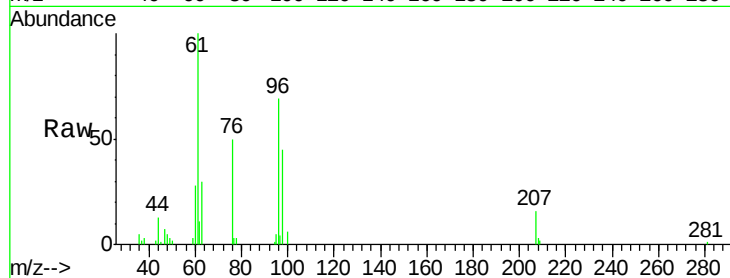
Tgt Ion: 96 Resp: 10591

Ion Ratio Lower Upper

96 100

61 144.4 102.7 190.7

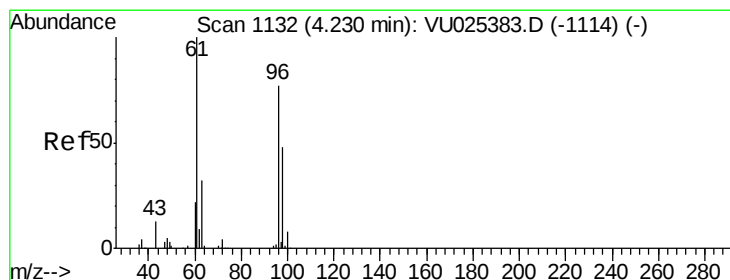
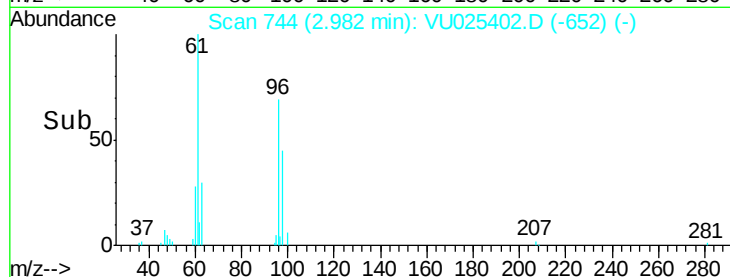
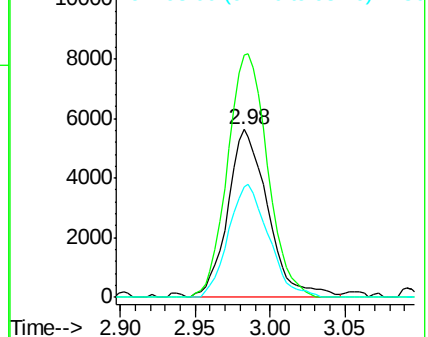
98 65.6 44.4 82.5



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: 401.133 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025402.D

Acq: 13 Jul 2018 21:08

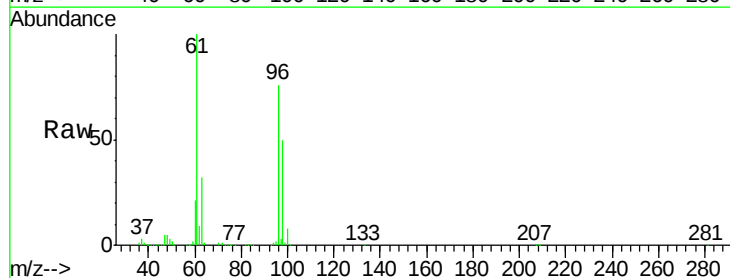
Tgt Ion: 96 Resp: 1023819

Ion Ratio Lower Upper

96 100

61 130.8 93.4 173.6

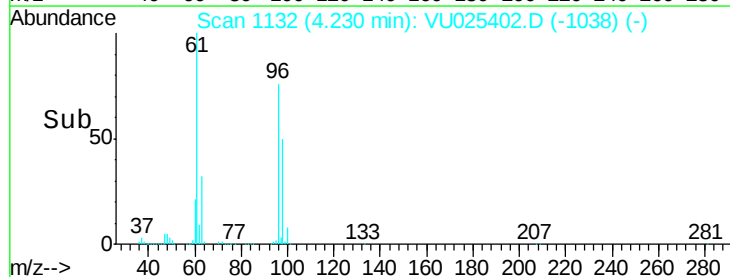
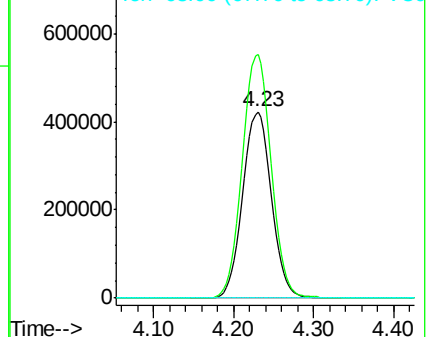
68 0.0 0.0 0.0

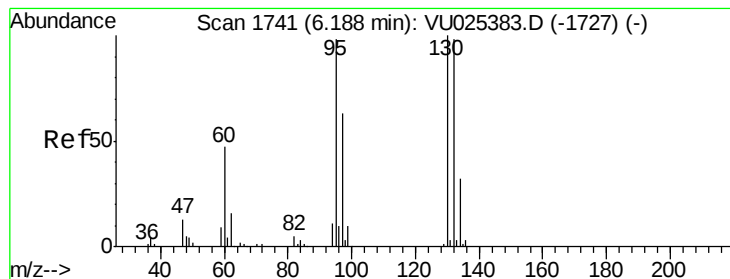


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 488.173 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025402.D

Acq: 13 Jul 2018 21:08

Instrument :

MSVOA_U

ClientSampleId :

DB183

Tgt Ion: 95 Resp: 1225070

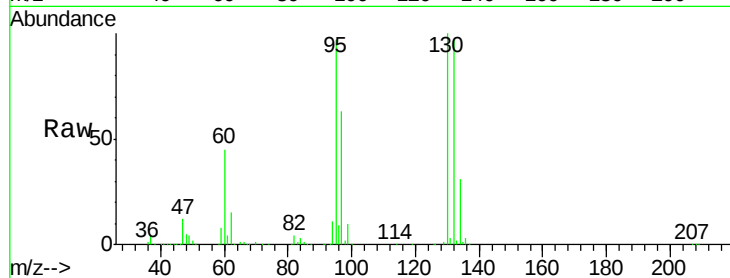
Ion Ratio Lower Upper

95 100

97 64.4 44.1 81.9

132 99.7 70.2 130.4

130 102.6 71.7 133.1

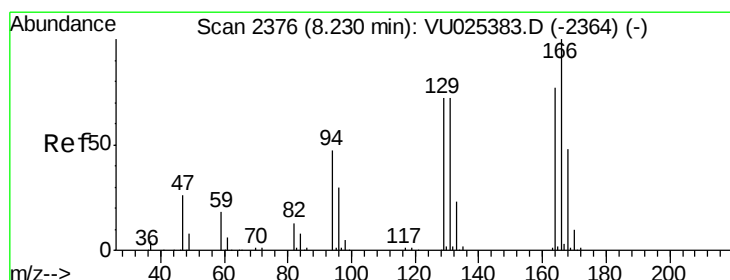
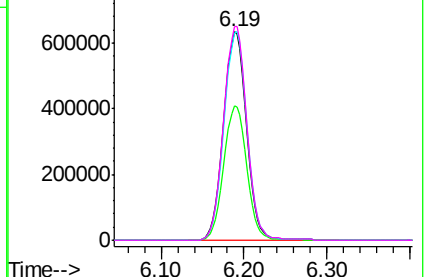
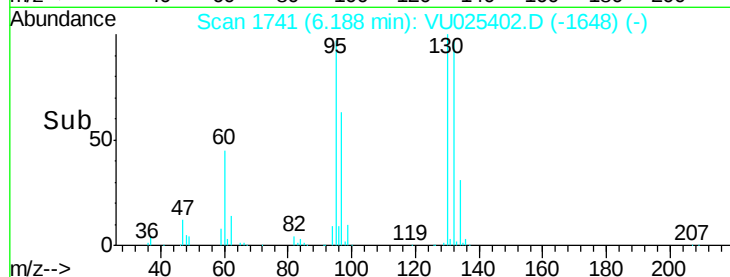


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 1688.363 ug/L

RT: 8.24 min Scan# 2378

Delta R.T. 0.01 min

Lab File: VU025402.D

Acq: 13 Jul 2018 21:08

Tgt Ion: 164 Resp: 3586527

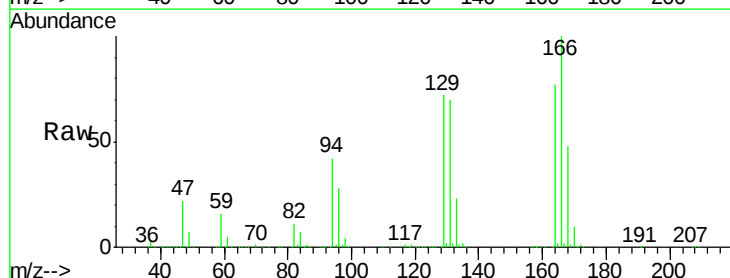
Ion Ratio Lower Upper

164 100

129 93.0 66.1 122.8

131 90.5 62.7 116.5

166 129.1 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

