

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071318\
 Data File : VU025403.D
 Acq On : 13 Jul 2018 21:32
 Operator : MD/SY
 Sample : J3984-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB184

Quant Time: Jul 14 04:31:01 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	321711	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303738	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	145647	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81898	42.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.16%
7) Chloroethane-d5	1.68	69	66103	41.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.36%
11) 1,1-Dichloroethene-d2	2.27	63	127665	30.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.86%
21) 2-Butanone-d5	4.18	46	154842	96.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.32%
24) Chloroform-d	4.65	84	178452	43.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.64%
26) 1,2-Dichloroethane-d4	5.31	65	127213	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.10%
32) Benzene-d6	5.35	84	349917	41.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.98%
36) 1,2-Dichloropropane-d6	6.34	67	114295	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.12%
41) Toluene-d8	7.57	98	339110	41.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.18%
43) trans-1,3-Dichloropropene-	7.85	79	49551	37.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.46%
47) 2-Hexanone-d5	8.31	63	121247	100.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.08%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	162523	43.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	140469	44.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.52%

Target Compounds

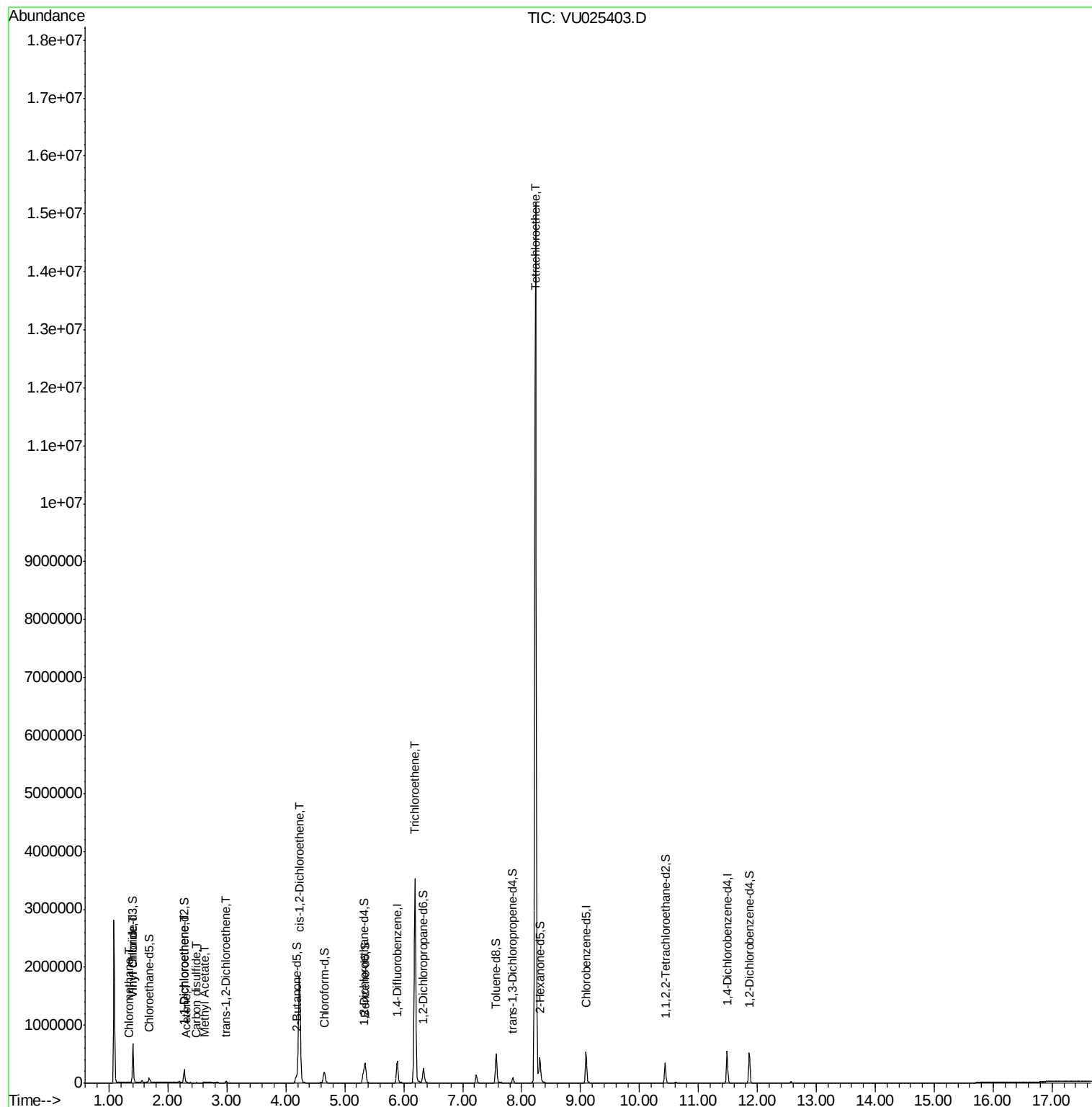
					Qvalue
3) Chloromethane	1.33	50	4841	2.008	ug/L 99
5) Vinyl chloride	1.40	62	380544	152.519	ug/L 100
12) 1,1-Dichloroethene	2.28	96	7888	3.997	ug/L # 1
13) Acetone	2.32	43	3974	2.405	ug/L 99
14) Carbon disulfide	2.48	76	10877	1.825	ug/L 99
15) Methyl Acetate	2.62	43	14786	5.849	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	10880	5.092	ug/L 83
20) cis-1,2-Dichloroethene	4.23	96	1020951	413.762	ug/L 98
34) Trichloroethene	6.19	95	1215194	495.915	ug/L 98
46) Tetrachloroethene	8.24	164	3510125	1692.246	ug/L 99

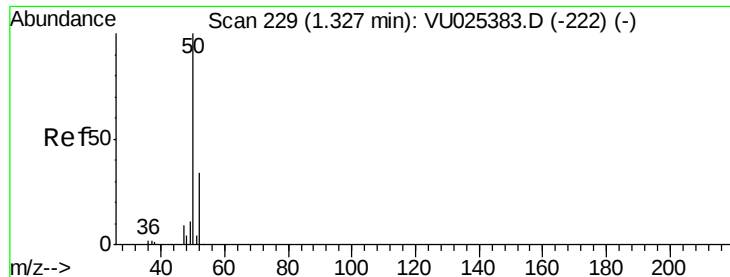
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.008 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025403.D

Acq: 13 Jul 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

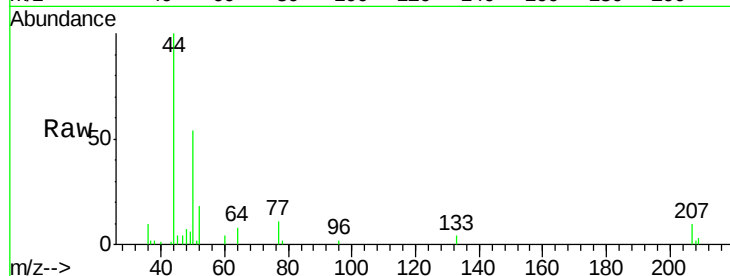
DB184

Tgt Ion: 50 Resp: 4841

Ion Ratio Lower Upper

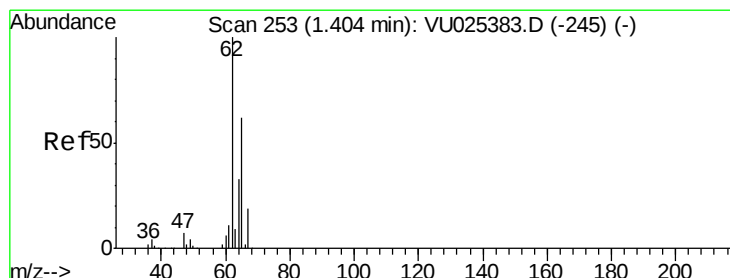
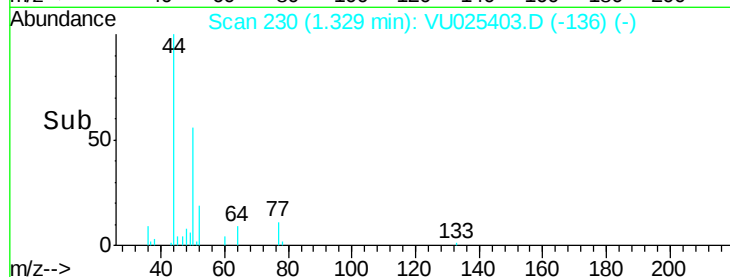
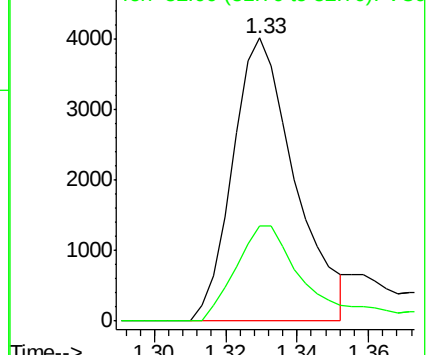
50 100

52 33.5 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: 152.519 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025403.D

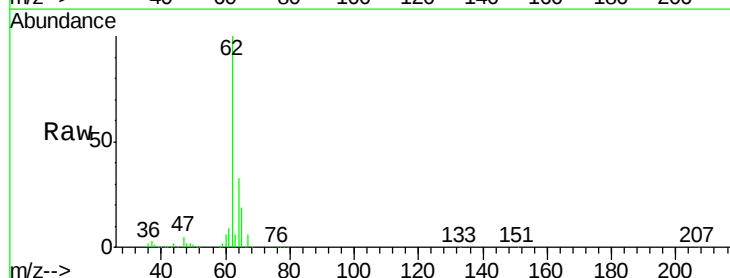
Acq: 13 Jul 2018 21:32

Tgt Ion: 62 Resp: 380544

Ion Ratio Lower Upper

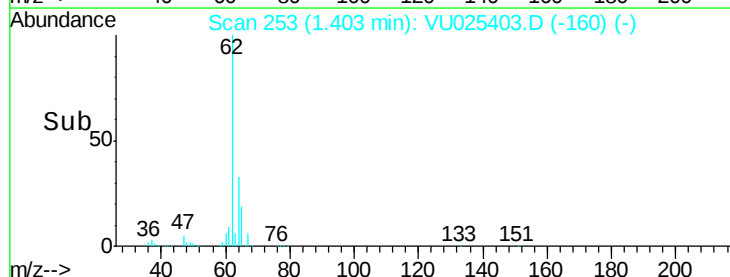
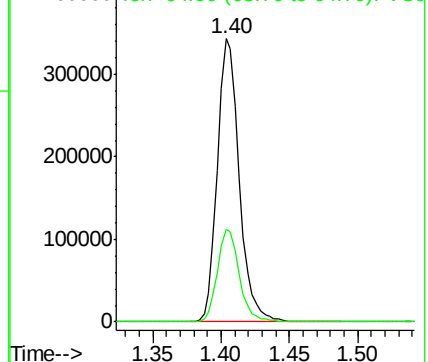
62 100

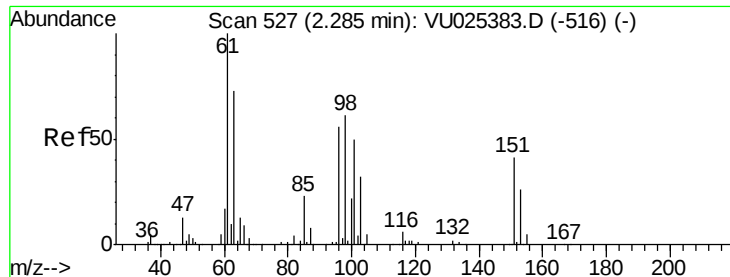
64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#12

1,1-Dichloroethene

Concen: 3.997 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025403.D

Acq: 13 Jul 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

DB184

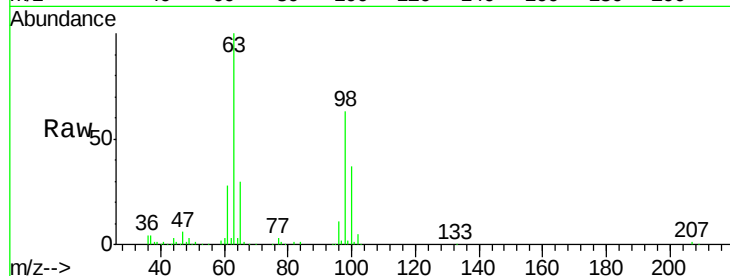
Tgt Ion: 96 Resp: 7888

Ion Ratio Lower Upper

96 100

61 266.8 128.1 237.9#

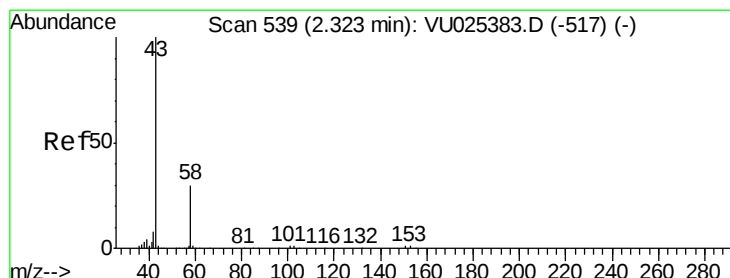
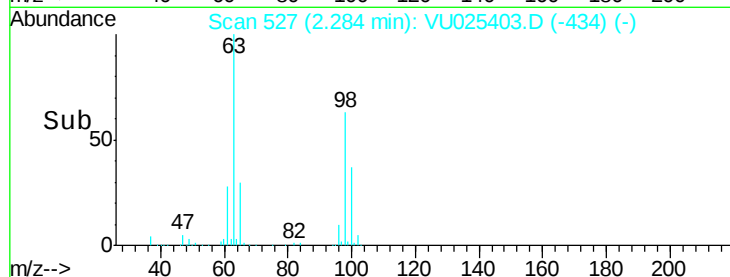
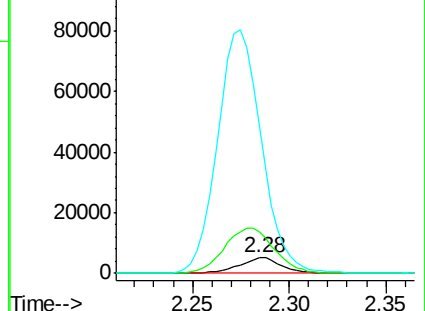
63 939.4 103.6 192.4#



Abundance Ion 96.00 (95.70 to 96.70): VU025403.D (-434) (-)

Ion 61.00 (60.70 to 61.70): VU025403.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU025403.D (-434) (-)



#13

Acetone

Concen: 2.405 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025403.D

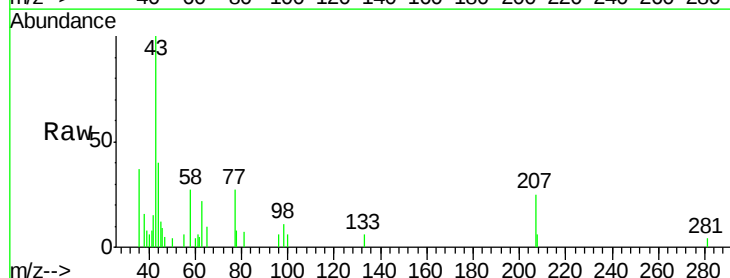
Acq: 13 Jul 2018 21:32

Tgt Ion: 43 Resp: 3974

Ion Ratio Lower Upper

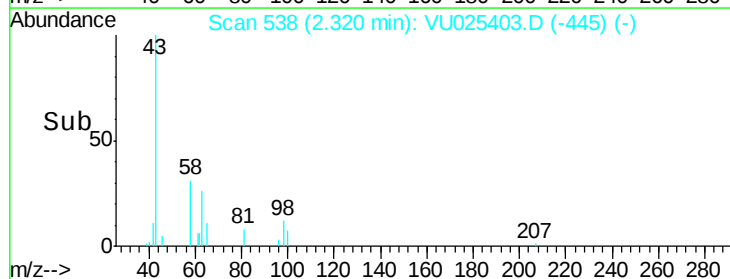
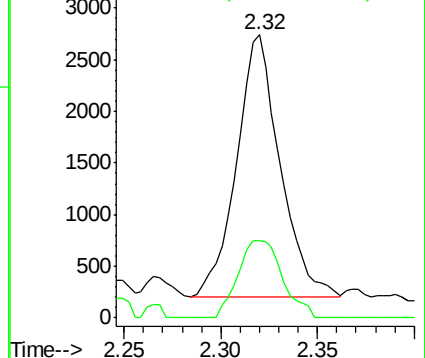
43 100

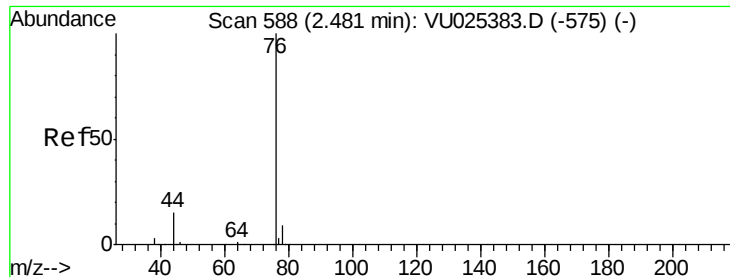
58 30.0 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU025403.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU025403.D (-445) (-)





#14

Carbon disulfide

Concen: 1.825 ug/L

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU025403.D

Acq: 13 Jul 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

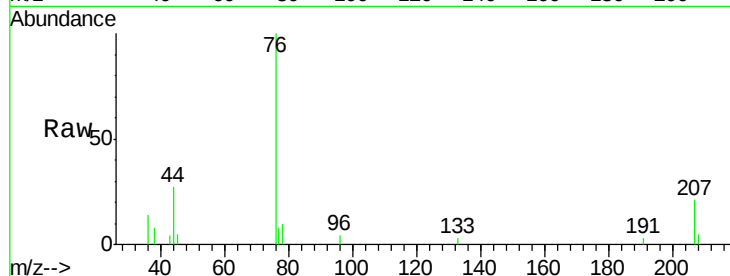
DB184

Tgt Ion: 76 Resp: 10877

Ion Ratio Lower Upper

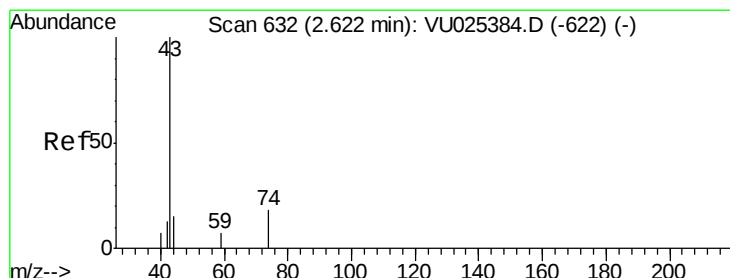
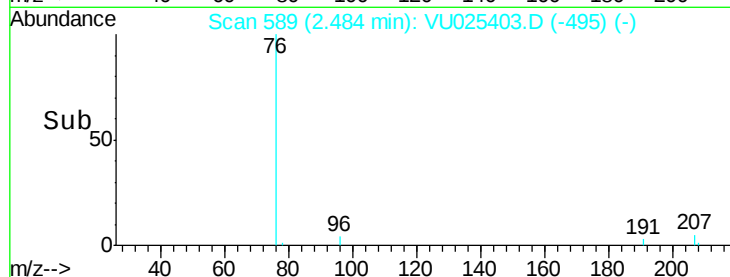
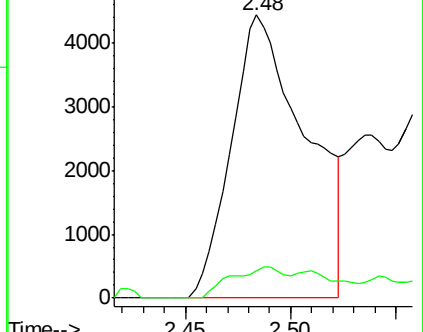
76 100

78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 5.849 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025403.D

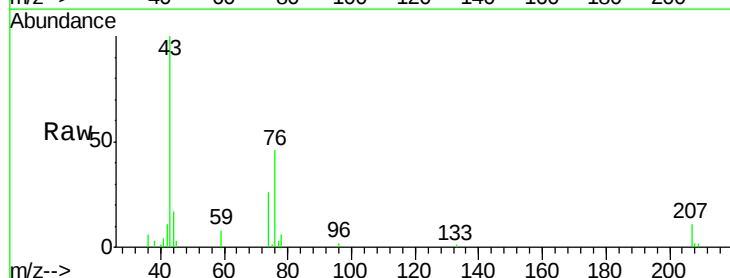
Acq: 13 Jul 2018 21:32

Tgt Ion: 43 Resp: 14786

Ion Ratio Lower Upper

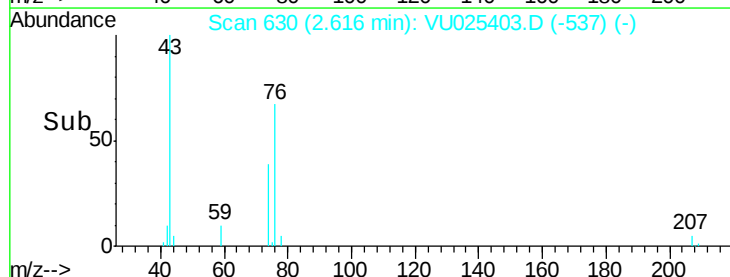
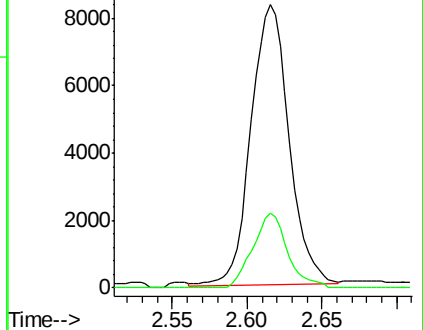
43 100

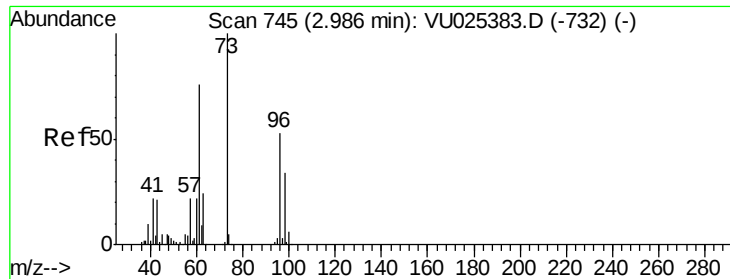
74 24.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 5.092 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025403.D

Acq: 13 Jul 2018 21:32

Instrument :

MSVOA_U

ClientSampled :

DB184

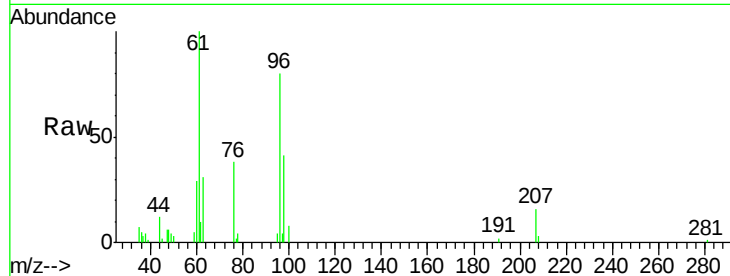
Tgt Ion: 96 Resp: 10880

Ion Ratio Lower Upper

96 100

61 124.4 102.7 190.7

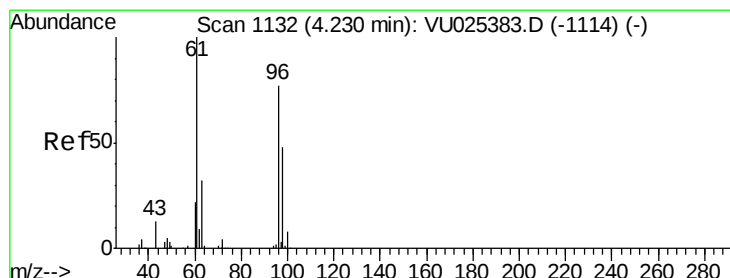
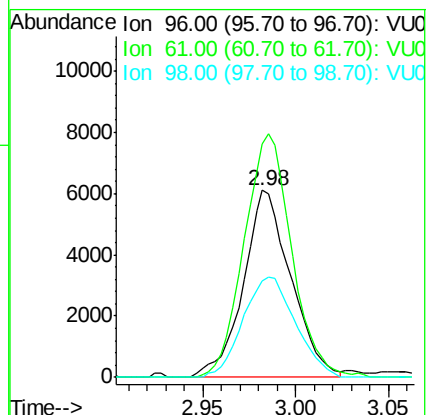
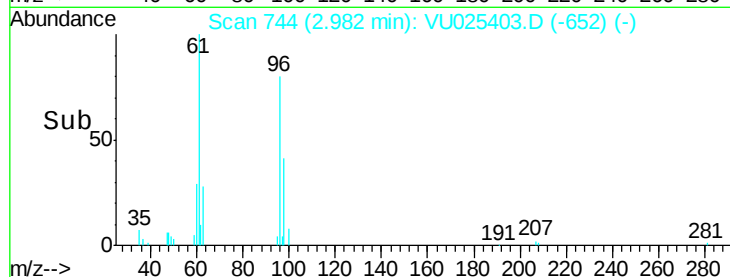
98 51.3 44.4 82.5



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: 413.762 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025403.D

Acq: 13 Jul 2018 21:32

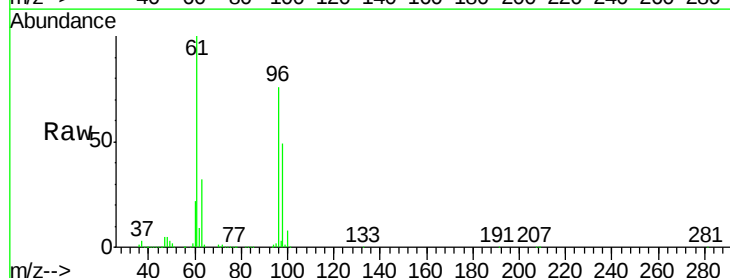
Tgt Ion: 96 Resp: 1020951

Ion Ratio Lower Upper

96 100

61 131.5 93.4 173.6

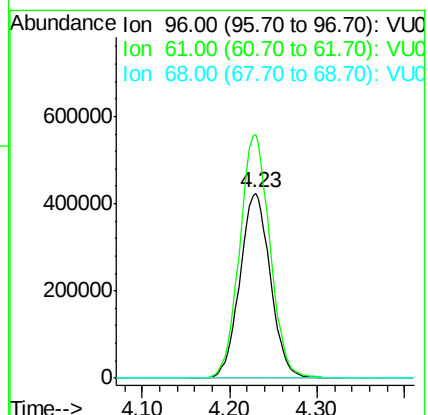
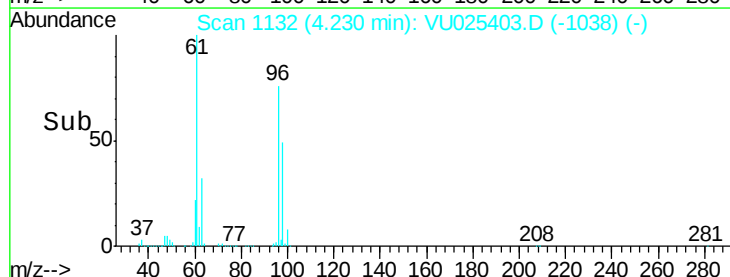
68 0.0 0.0 0.0

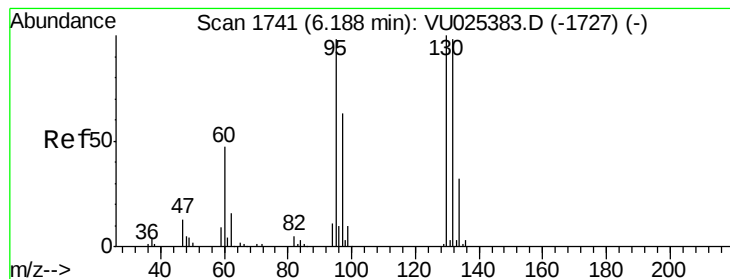


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 495.915 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025403.D

Acq: 13 Jul 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

DB184

Tgt Ion: 95 Resp: 1215194

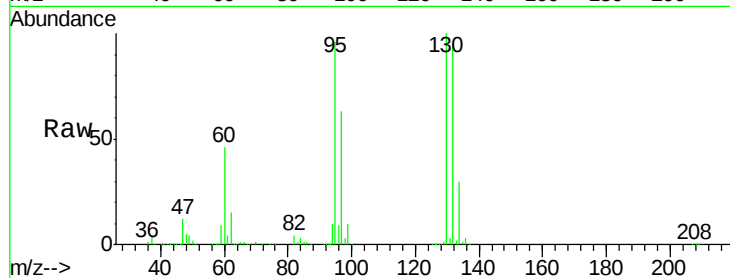
Ion Ratio Lower Upper

95 100

97 65.1 44.1 81.9

132 99.1 70.2 130.4

130 103.9 71.7 133.1

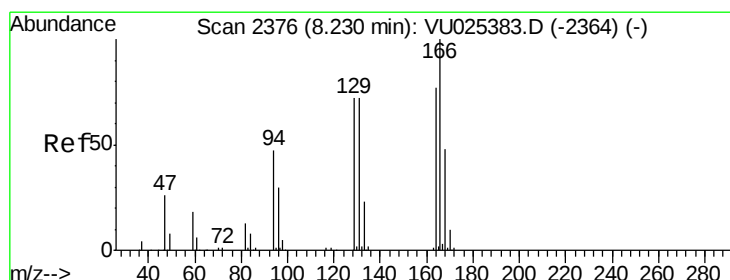
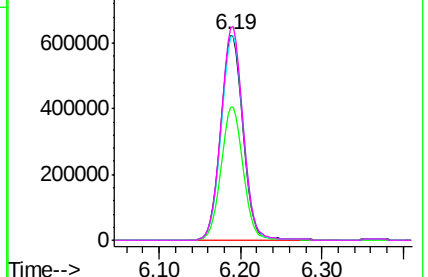
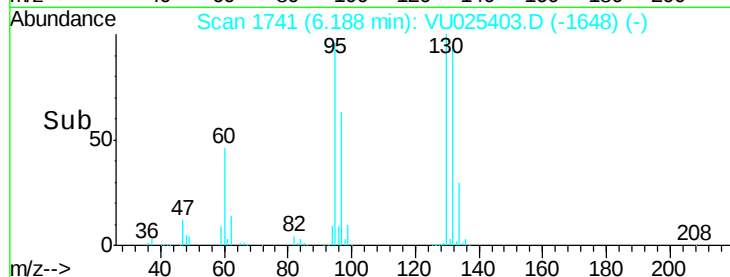


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1692.246 ug/L

RT: 8.24 min Scan# 2378

Delta R.T. 0.01 min

Lab File: VU025403.D

Acq: 13 Jul 2018 21:32

Tgt Ion: 164 Resp: 3510125

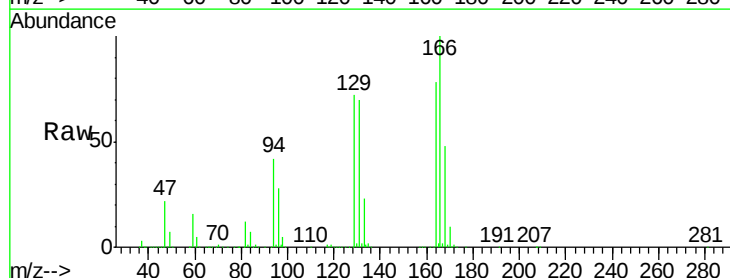
Ion Ratio Lower Upper

164 100

129 93.2 66.1 122.8

131 90.8 62.7 116.5

166 128.8 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

