

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071918\
 Data File : VU025524.D
 Acq On : 19 Jul 2018 16:12
 Operator : MD/SY
 Sample : J3984-13DL 2X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB189DL

Quant Time: Jul 20 03:56:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 20 02:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	326702	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	311266	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	159426	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60020	38.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.92%
7) Chloroethane-d5	1.68	69	55789	42.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.27	63	112711	33.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.64%
21) 2-Butanone-d5	4.19	46	172455	105.19	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.19%
24) Chloroform-d	4.65	84	178169	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.16%
26) 1,2-Dichloroethane-d4	5.31	65	121909	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.64%
32) Benzene-d6	5.35	84	328729	43.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.33	67	113816	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.38%
41) Toluene-d8	7.57	98	313214	43.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.04%
43) trans-1,3-Dichloropropene-	7.85	79	57830	44.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.20%
47) 2-Hexanone-d5	8.31	63	128804	99.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.74%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	178354	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	145618	45.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.16%

Target Compounds

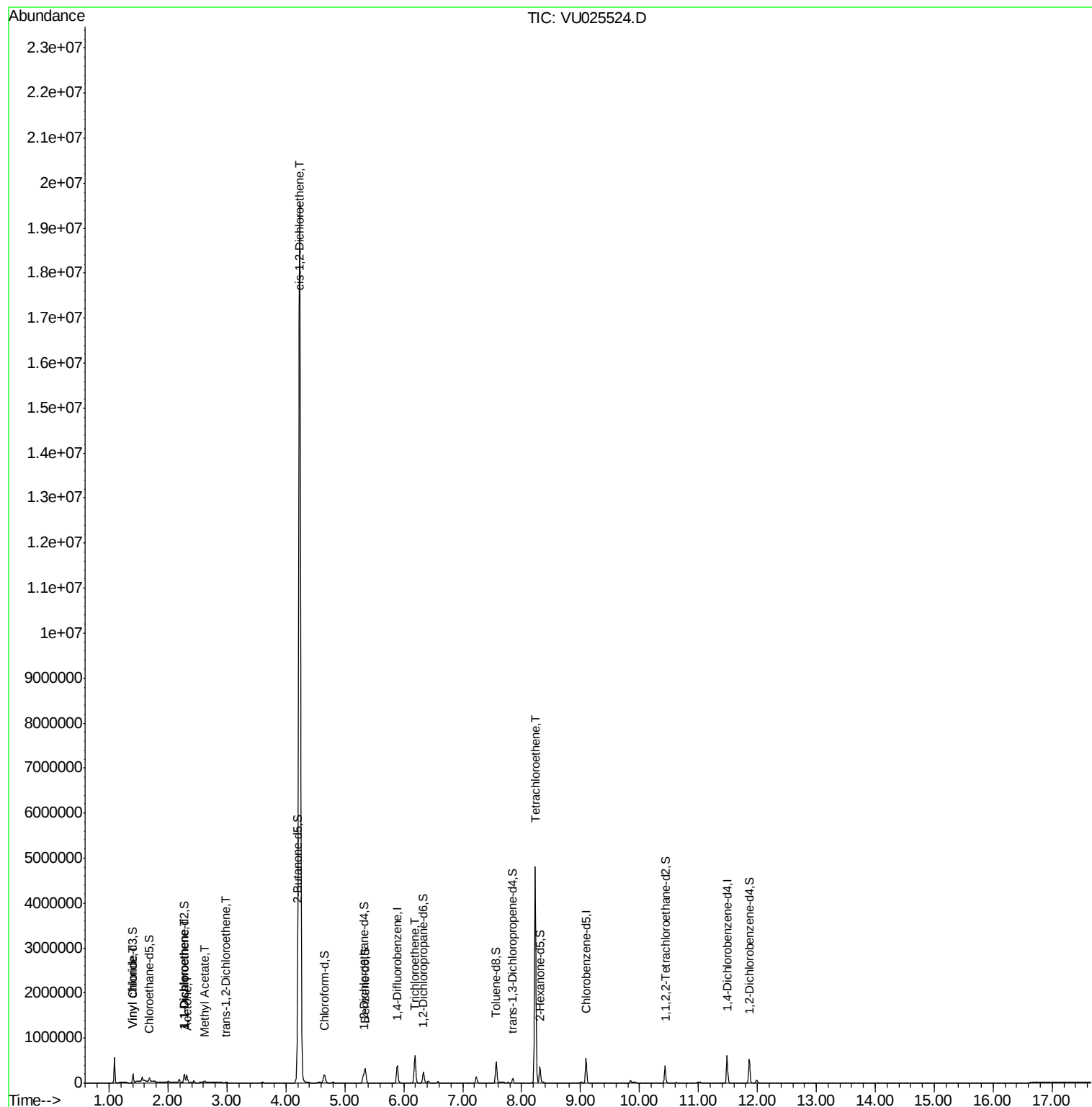
						Ovalue
5) Vinyl chloride	1.41	62	73856	30.88	ug/L	86
12) 1,1-Dichloroethene	2.29	96	11657	6.58	ug/L	# 1
13) Acetone	2.32	43	189683	132.49	ug/L	100
15) Methyl Acetate	2.62	43	27677	10.46	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	8260	3.94	ug/L	93
20) cis-1,2-Dichloroethene	4.23	96	11144256	4345.71	ug/L	97
34) Trichloroethene	6.19	95	205724	84.39	ug/L	96
46) Tetrachloroethene	8.23	164	1096803	539.36	ug/L	98

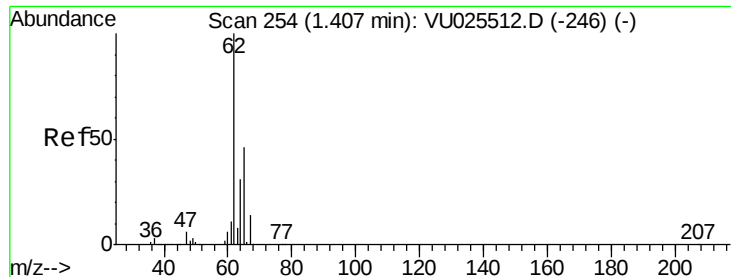
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 20 02:44:53 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 30.88 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

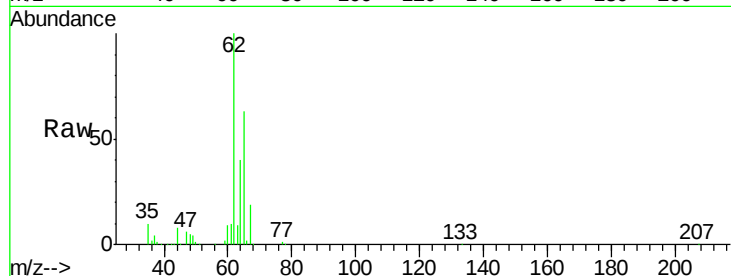
DB189DL

Tot Ion: 62 Resp: 73856

Ion Ratio Lower Upper

62 100

64 40.1 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.41

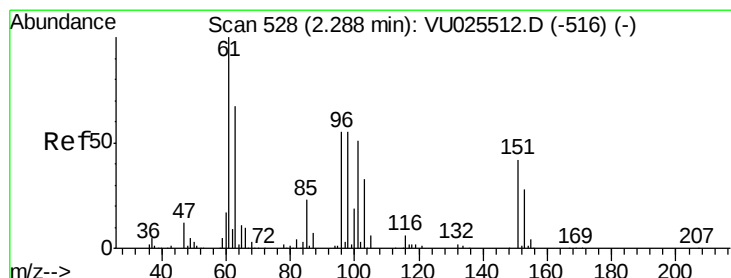
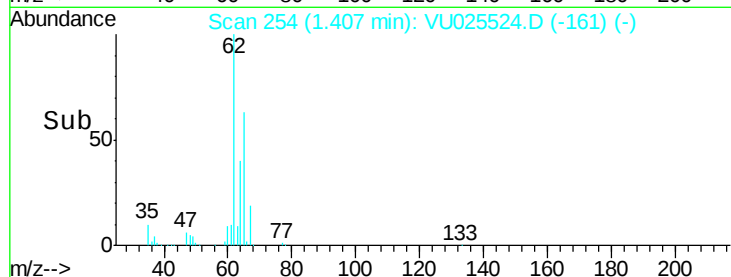
60000

40000

20000

0

Time--> 1.35 1.40 1.45



#12

1,1-Dichloroethene

Concen: 6.58 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

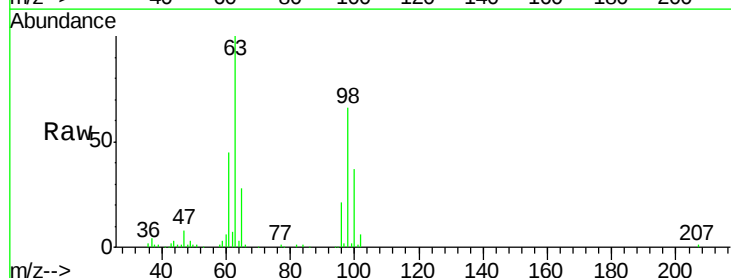
Tgt Ion: 96 Resp: 11657

Ion Ratio Lower Upper

96 100

61 217.6 120.6 224.0

63 486.7 79.3 147.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

100000

80000

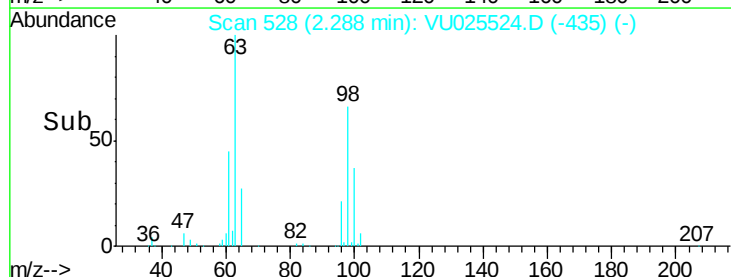
60000

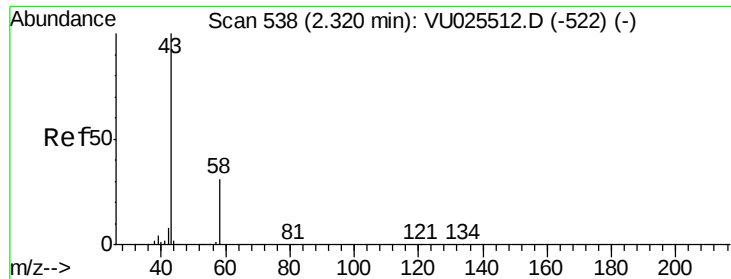
40000

20000

0

Time--> 2.25 2.30 2.35





#13

Acetone

Concen: 132.49 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

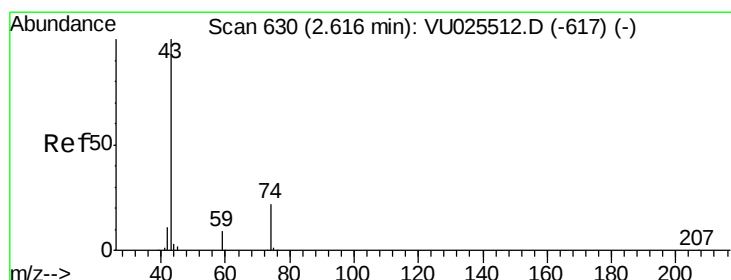
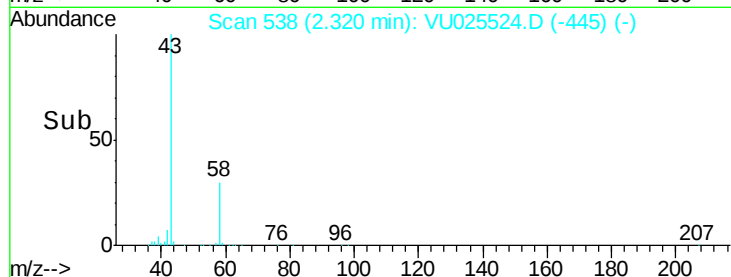
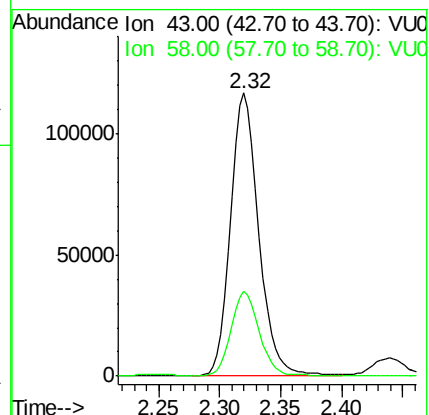
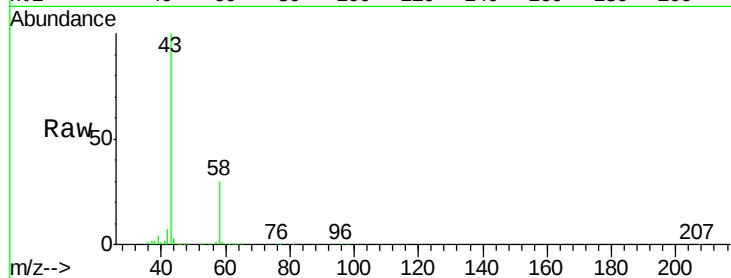
DB189DL

Tot Ion: 43 Resp: 189683

Ion Ratio Lower Upper

43 100

58 29.4 0.0 59.0



#15

Methyl Acetate

Concen: 10.46 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025524.D

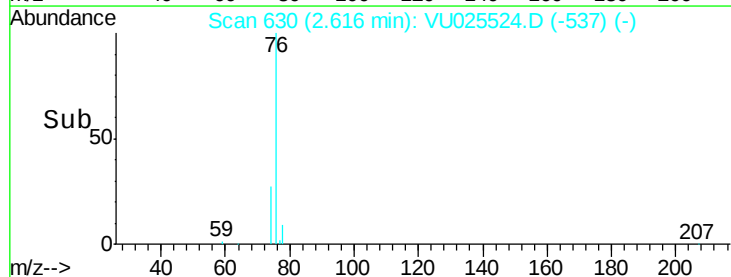
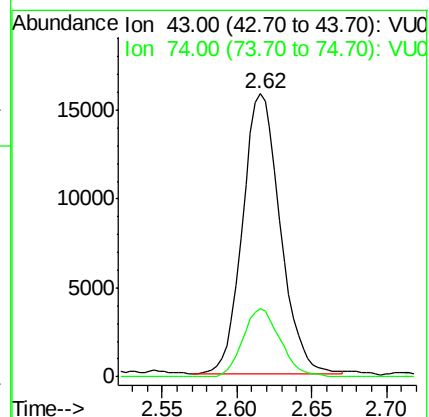
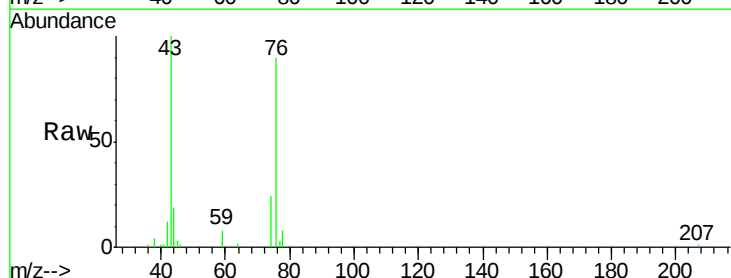
Acq: 19 Jul 2018 16:12

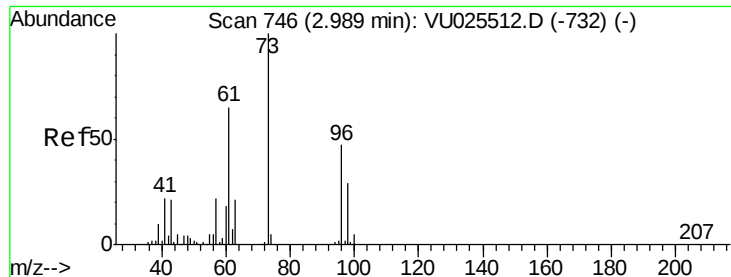
Tgt Ion: 43 Resp: 27677

Ion Ratio Lower Upper

43 100

74 24.2 17.8 26.8





#17

trans-1,2-Dichloroethene

Concen: 3.94 ug/L

RT: 2.99 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

DB189DL

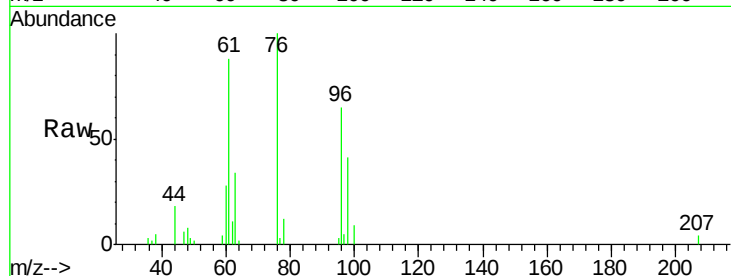
Tot Ion: 96 Resp: 8260

Ion Ratio Lower Upper

96 100

61 135.9 103.6 192.4

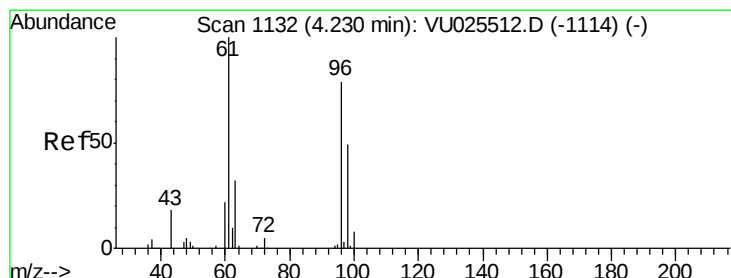
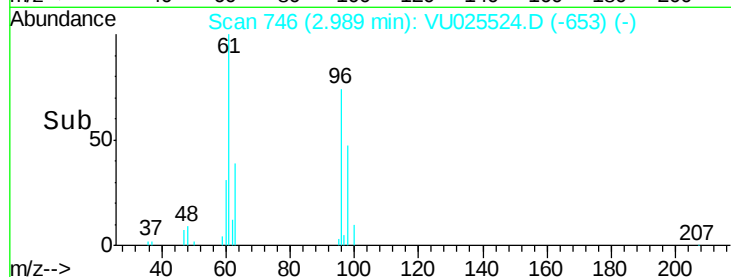
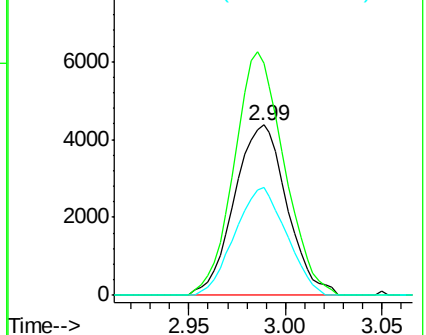
98 63.4 44.8 83.2



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: 4345.71 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

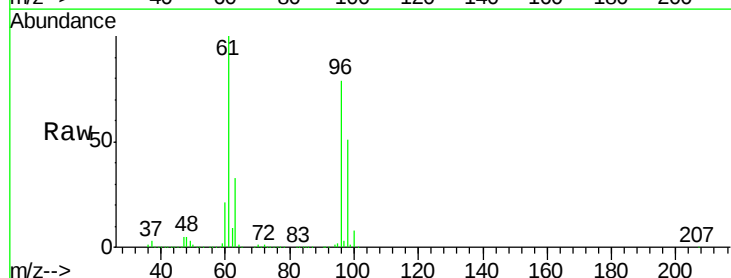
Tgt Ion: 96 Resp:11144256

Ion Ratio Lower Upper

96 100

61 127.3 91.7 170.3

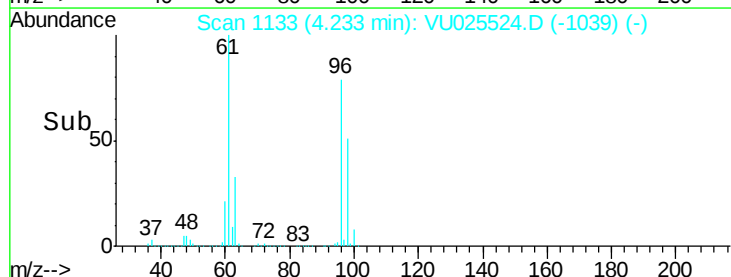
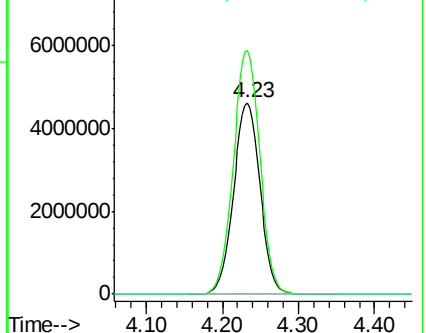
68 0.0 0.0 0.0

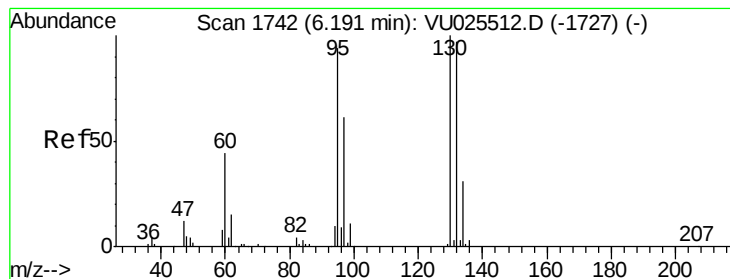


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 84.39 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

DB189DL

Tot Ion: 95 Resp: 205724

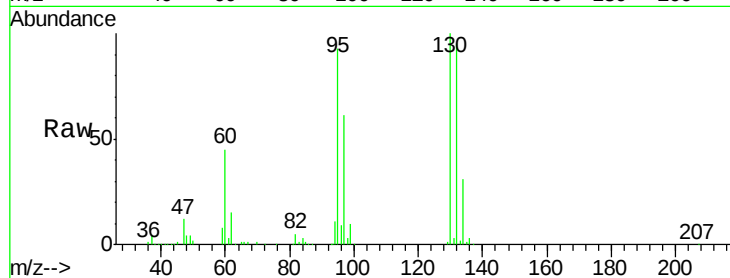
Ion Ratio Lower Upper

95 100

97 65.4 45.9 85.3

132 102.0 68.2 126.6

130 107.3 71.8 133.4

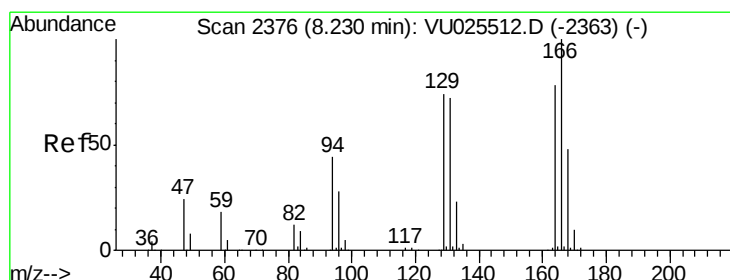
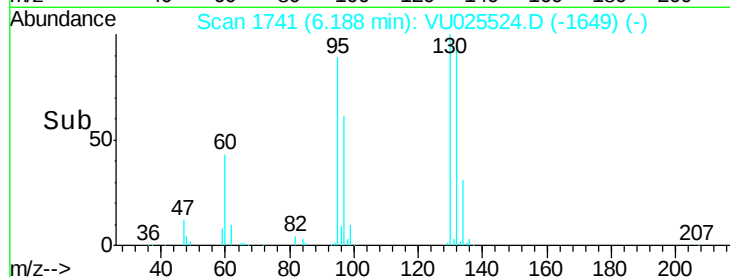
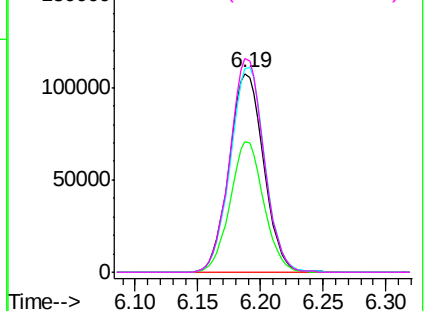


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 539.36 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025524.D

Acq: 19 Jul 2018 16:12

Tgt Ion:164 Resp: 1096803

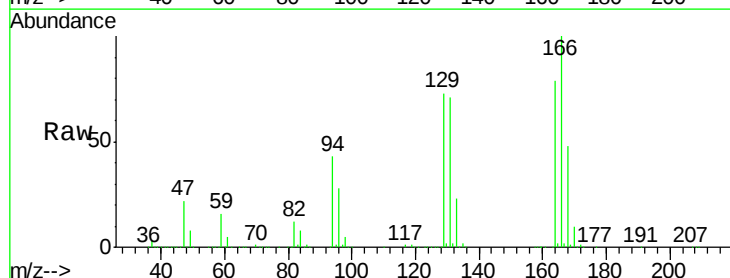
Ion Ratio Lower Upper

164 100

129 92.2 66.5 123.5

131 89.5 63.7 118.3

166 126.4 90.8 168.6



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

