

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025443.D
 Acq On : 16 Jul 2018 22:59
 Operator : MD/SY
 Sample : J3984-09DL 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB183DL

Quant Time: Jul 17 09:15:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:54:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	334586	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303721	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	130687	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73589	40.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.80%
7) Chloroethane-d5	1.68	69	68857	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.22%
11) 1,1-Dichloroethene-d2	2.27	63	121504	31.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.50%
21) 2-Butanone-d5	4.18	46	171693	94.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.45%
24) Chloroform-d	4.65	84	186569	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.42%
26) 1,2-Dichloroethane-d4	5.31	65	135291	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.90%
32) Benzene-d6	5.35	84	364001	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.33	67	122273	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.08%
41) Toluene-d8	7.57	98	344898	46.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.85	79	52009	41.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.06%
47) 2-Hexanone-d5	8.31	63	128984	97.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.96%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	172772	45.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	134764	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%

Target Compounds

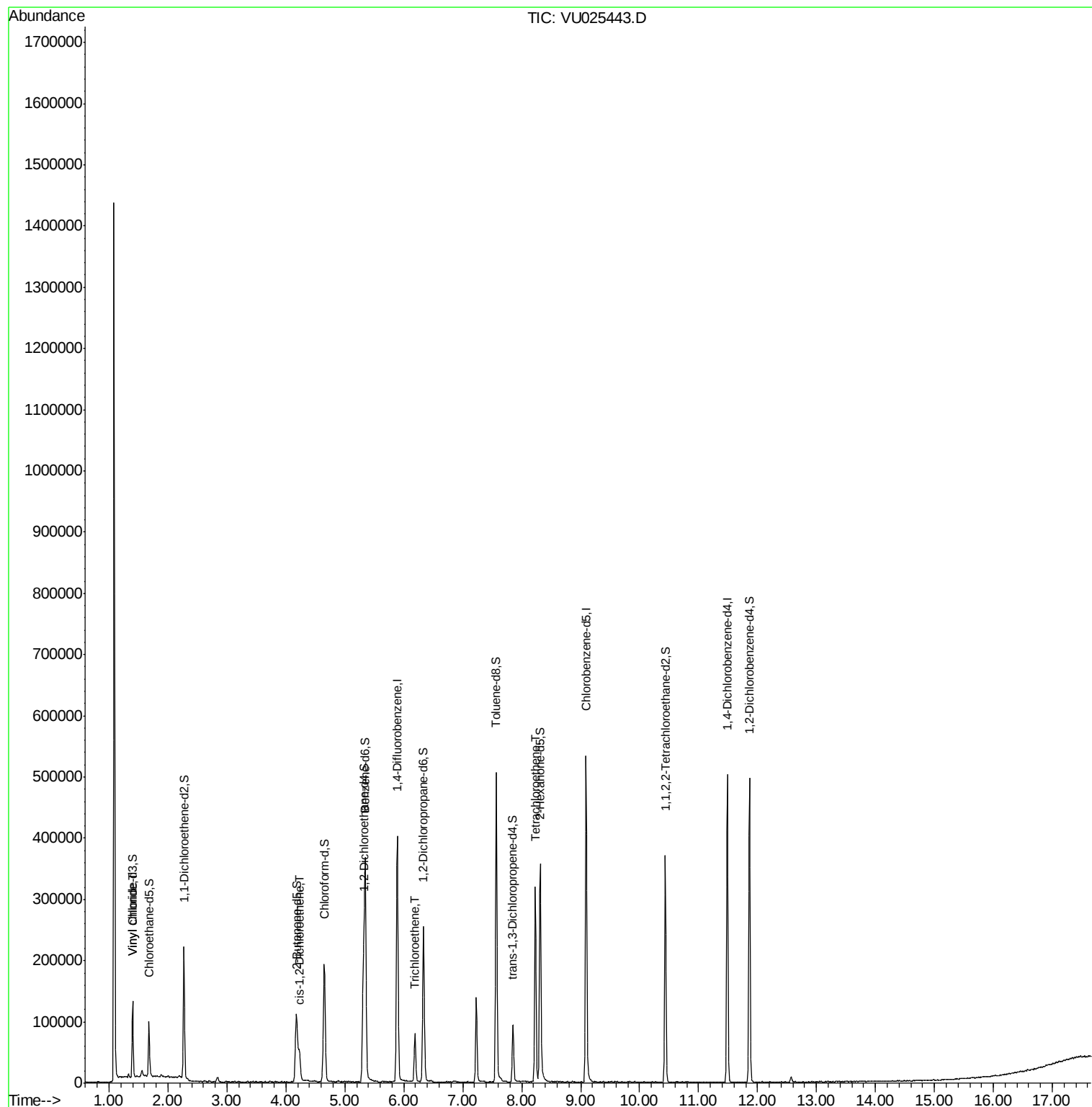
					Ovalue
5) Vinyl chloride	1.40	62	8585	3.36	ug/L # 77
20) cis-1,2-Dichloroethene	4.23	96	24182	9.42	ug/L 98
34) Trichloroethene	6.19	95	26960	11.40	ug/L 97
46) Tetrachloroethene	8.23	164	73503	37.49	ug/L 97

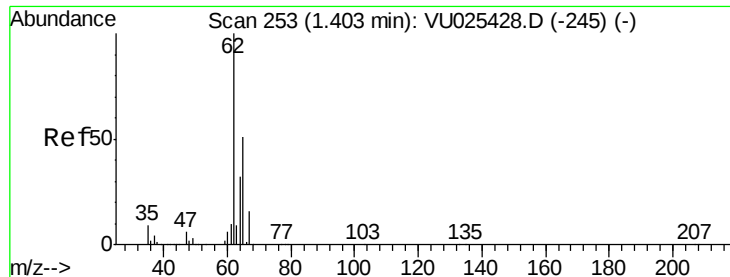
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.36 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

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Acq: 16 Jul 2018 22:59

Instrument :

MSVOA_U

ClientSampleId :

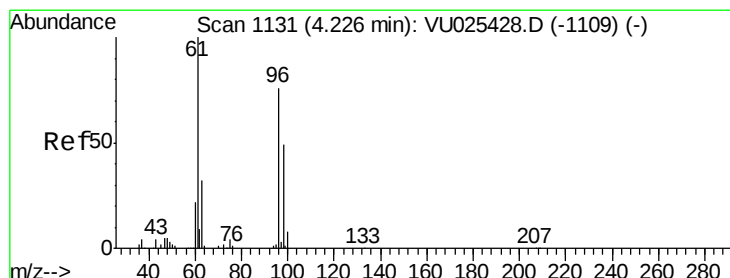
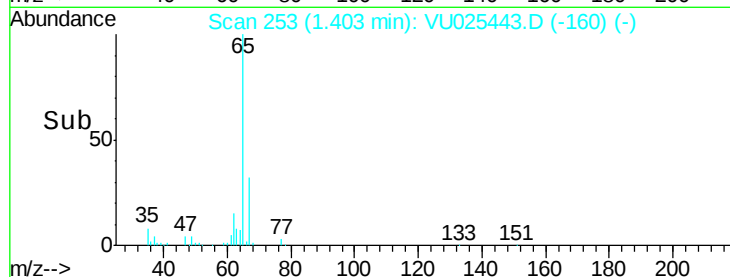
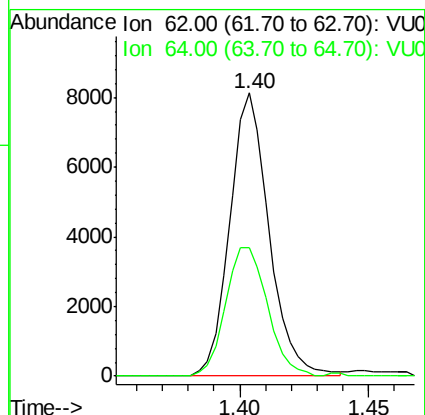
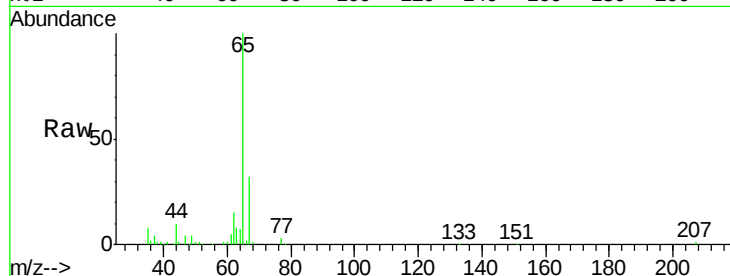
DB183DL

Tot Ion: 62 Resp: 8585

Ion Ratio Lower Upper

62 100

64 45.3 22.6 42.0#



#20

cis-1,2-Dichloroethene

Concen: 9.42 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU025443.D

Acq: 16 Jul 2018 22:59

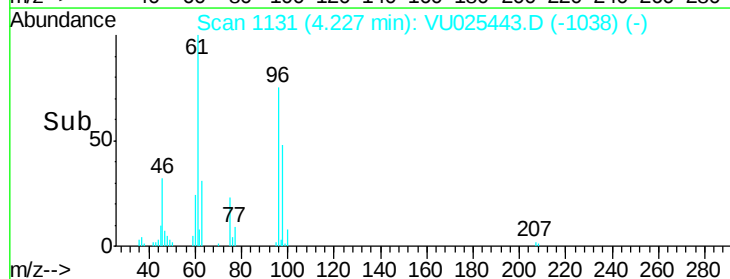
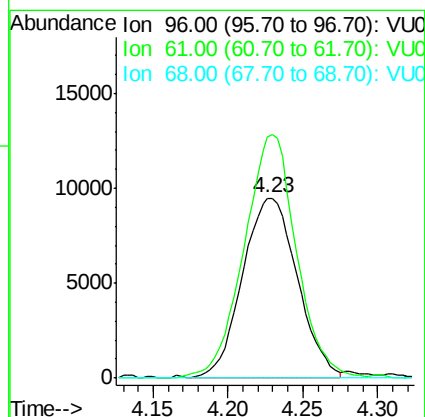
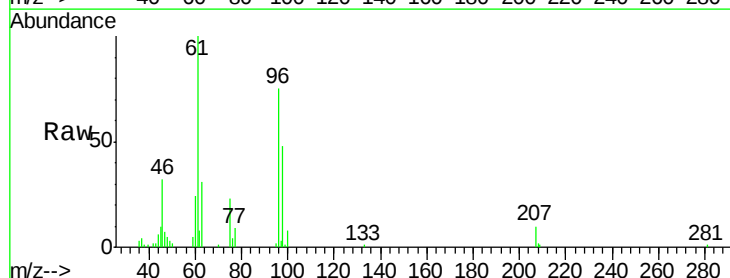
Tgt Ion: 96 Resp: 24182

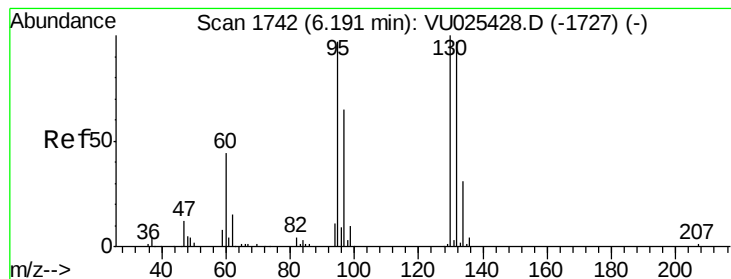
Ion Ratio Lower Upper

96 100

61 133.7 92.0 170.9

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 11.40 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025443.D

Acq: 16 Jul 2018 22:59

Instrument :

MSVOA_U

ClientSampleId :

DB183DL

Tot Ion: 95 Resp: 26960

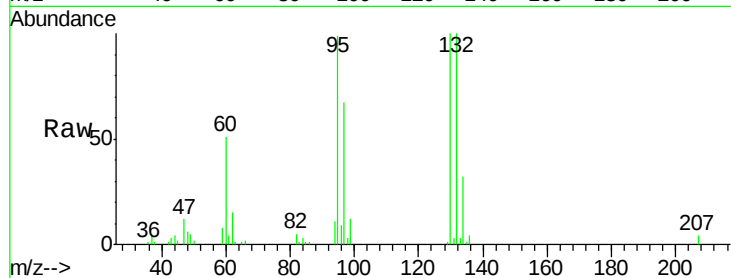
Ion Ratio Lower Upper

95 100

97 67.8 44.3 82.3

132 100.8 69.6 129.2

130 101.0 72.4 134.5

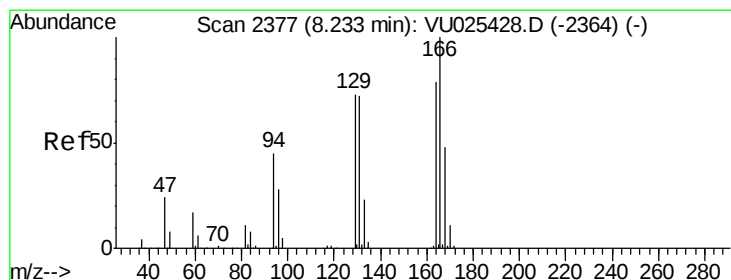
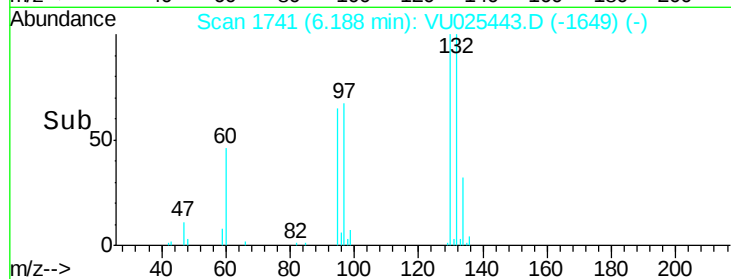
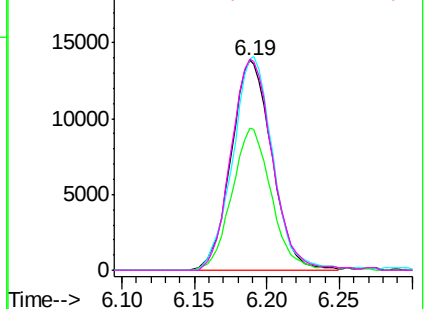


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 37.49 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025443.D

Acq: 16 Jul 2018 22:59

Tgt Ion:164 Resp: 73503

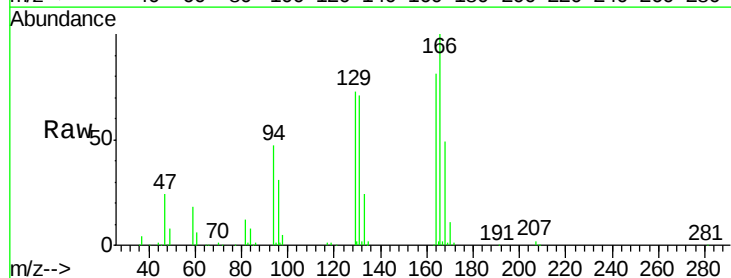
Ion Ratio Lower Upper

164 100

129 90.0 64.7 120.1

131 87.7 63.1 117.3

166 123.0 89.7 166.5



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

