

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\
 Data File : VU029691.D
 Acq On : 26 Feb 2019 18:52
 Operator : JC/SP
 Sample : K1624-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 27 03:12:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 27 01:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	463089	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	444756	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218952	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139845	41.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.42%
7) Chloroethane-d5	1.68	69	127332	42.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.42%
11) 1,1-Dichloroethene-d2	2.27	63	211955	31.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.90%
21) 2-Butanone-d5	4.17	46	216538	104.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.86%
24) Chloroform-d	4.65	84	276472	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
26) 1,2-Dichloroethane-d4	5.31	65	176401	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
32) Benzene-d6	5.34	84	597127	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.72%
36) 1,2-Dichloropropane-d6	6.33	67	183160	54.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.80%
41) Toluene-d8	7.56	98	554467	48.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.10%
43) trans-1,3-Dichloropropene-	7.85	79	82949	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.31	63	167045	89.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	279207	49.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	233148	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%

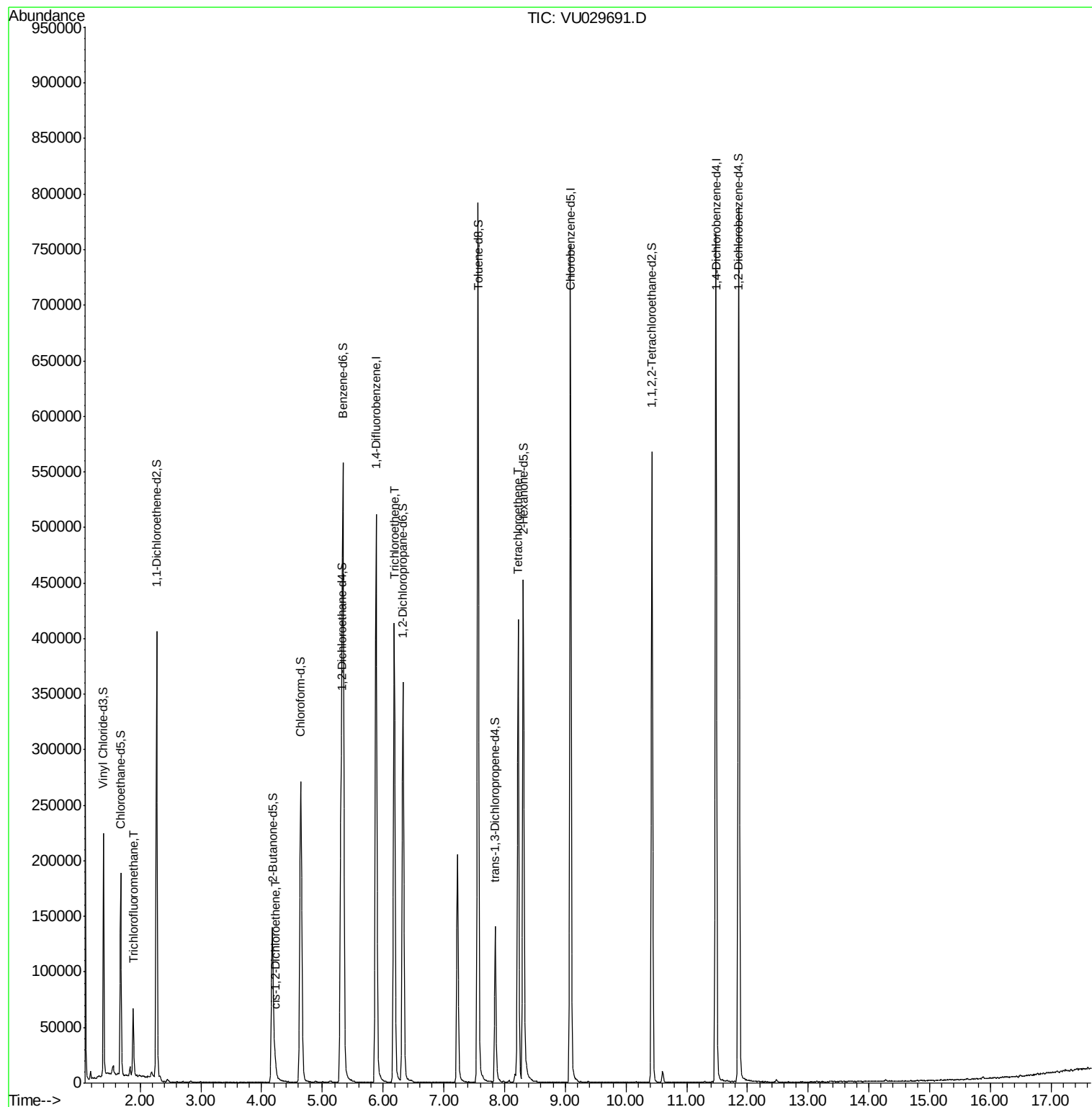
Target Compounds

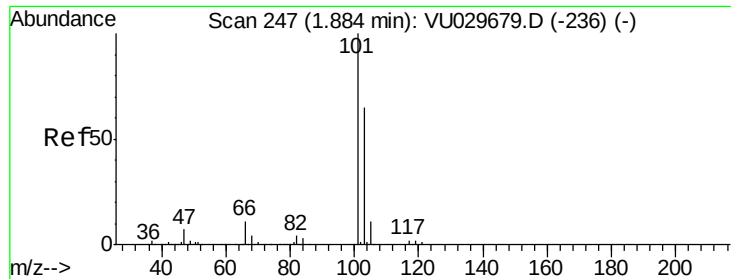
					Ovalue
9) Trichlorofluoromethane	1.88	101	35846	5.944 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	4628m	1.407 ug/L	
34) Trichloroethene	6.18	95	148458	48.329 ug/L	97
46) Tetrachloroethene	8.22	164	100415	33.398 ug/L	97

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

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#9

Trichlorofluoromethane

Concen: 5.944 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

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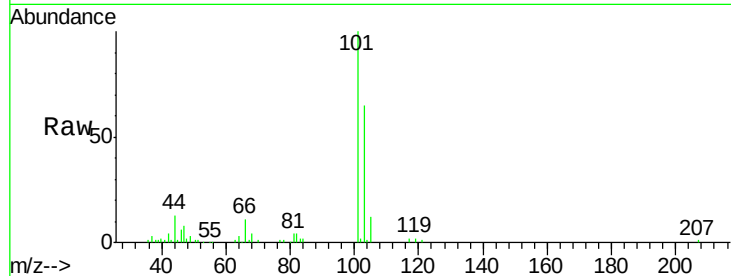
Acq: 26 Feb 2019 18:52

Tot Ion:101 Resp: 35846

Ion Ratio Lower Upper

101 100

103 63.7 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

25000

20000

15000

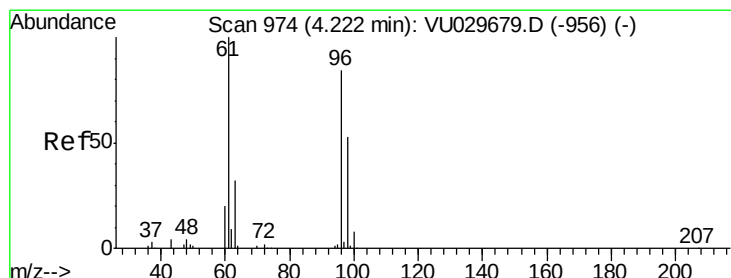
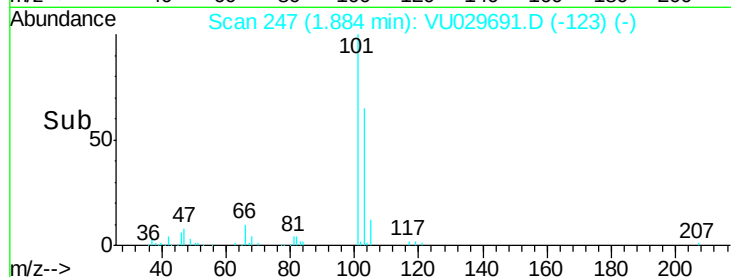
10000

5000

0

Time-->

1.85 1.90 1.95



#20

cis-1,2-Dichloroethene

Concen: 1.407 ug/L m

RT: 4.23 min Scan# 977

Delta R.T. 0.01 min

Lab File: VU029691.D

Acq: 26 Feb 2019 18:52

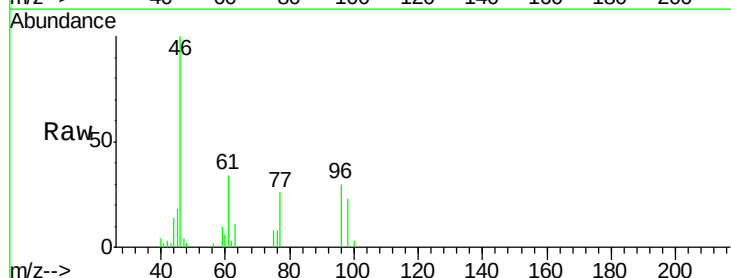
Tgt Ion: 96 Resp: 4628

Ion Ratio Lower Upper

96 100

61 110.2 83.9 155.7

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

3000

2500

2000

1500

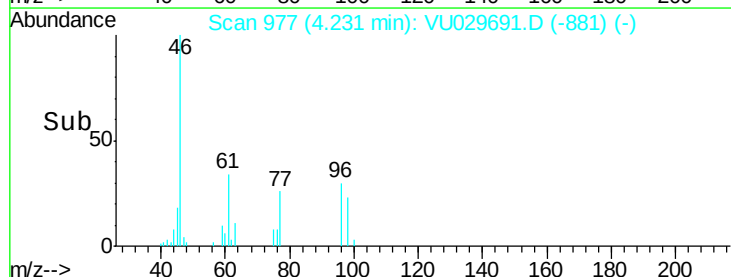
1000

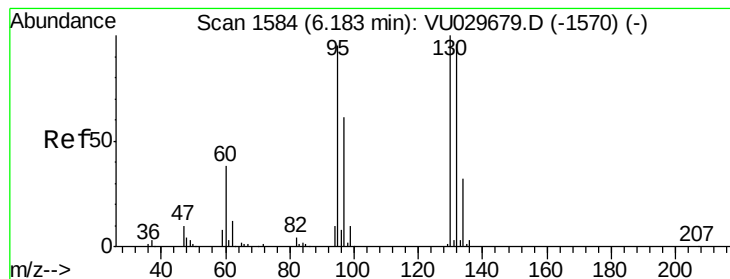
500

0

Time-->

4.15 4.20 4.25 4.30





#34

Trichloroethene

Concen: 48.329 ug/L

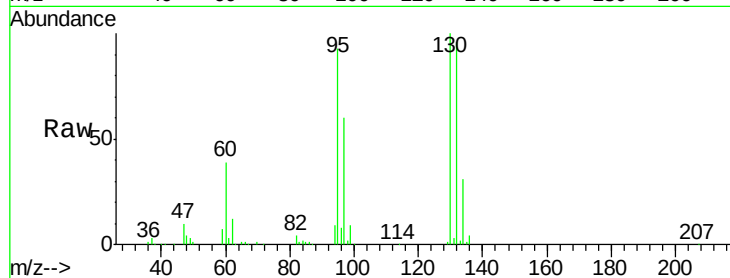
RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029691.D

Acq: 26 Feb 2019 18:52

Tot Ion:	95	Resp:	148458
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.6	82.8
132	102.8	74.6	138.6
130	107.5	77.2	143.4



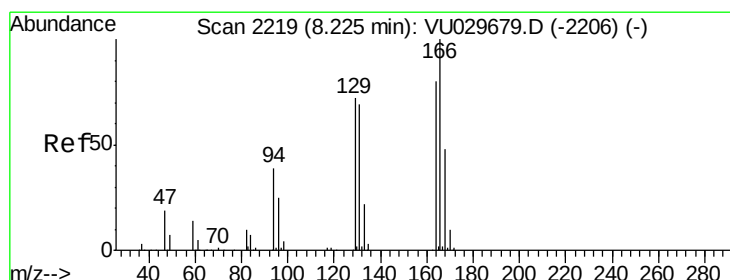
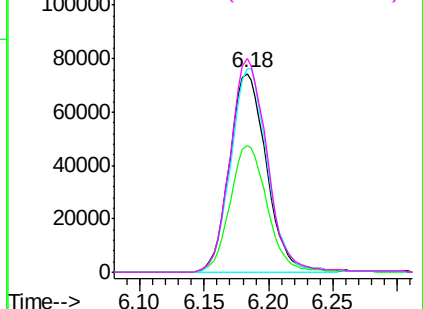
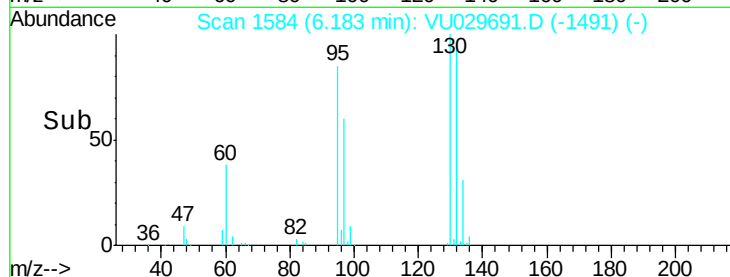
Abundance

Ion 95.00 (94.70 to 95.70): VU029691.D (-1491) (-)

Ion 97.00 (96.70 to 97.70): VU029691.D (-1491) (-)

Ion 132.00 (131.70 to 132.70): VU029691.D (-1491) (-)

Ion 130.00 (129.70 to 130.70): VU029691.D (-1491) (-)



#46

Tetrachloroethene

Concen: 33.398 ug/L

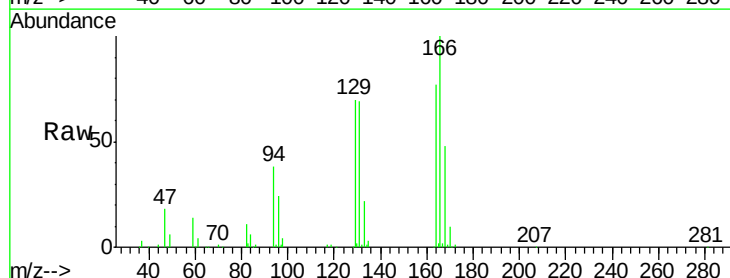
RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029691.D

Acq: 26 Feb 2019 18:52

Tgt Ion:	164	Resp:	100415
Ion	Ratio	Lower	Upper
164	100		
129	90.5	62.1	115.3
131	90.1	60.1	111.5
166	130.0	89.7	166.5



Abundance

Ion 164.00 (163.70 to 164.70): VU029691.D (-2126) (-)

Ion 129.00 (128.70 to 129.70): VU029691.D (-2126) (-)

Ion 131.00 (130.70 to 131.70): VU029691.D (-2126) (-)

Ion 166.00 (165.70 to 166.70): VU029691.D (-2126) (-)

