

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033891.D
 Acq On : 21 Aug 2019 22:55
 Operator : JC/SP
 Sample : K4454-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B86

Quant Time: Aug 22 08:18:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 07:18:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	392071	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	395000	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	165721	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	149622	42.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.84%
7) Chloroethane-d5	1.67	69	134542	40.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.56%
11) 1,1-Dichloroethene-d2	2.25	63	194013	32.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.82%
21) 2-Butanone-d5	4.15	46	197072	106.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.53%
24) Chloroform-d	4.62	84	254955	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.28	65	167349	47.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.24%
32) Benzene-d6	5.32	84	503117	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	6.31	67	172559	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.22%
41) Toluene-d8	7.55	98	432841	42.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.64%
43) trans-1,3-Dichloropropene-	7.83	79	67446	40.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.64%
47) 2-Hexanone-d5	8.30	63	128487	97.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.25%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	245417	49.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	168570	51.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.08%

Target Compounds

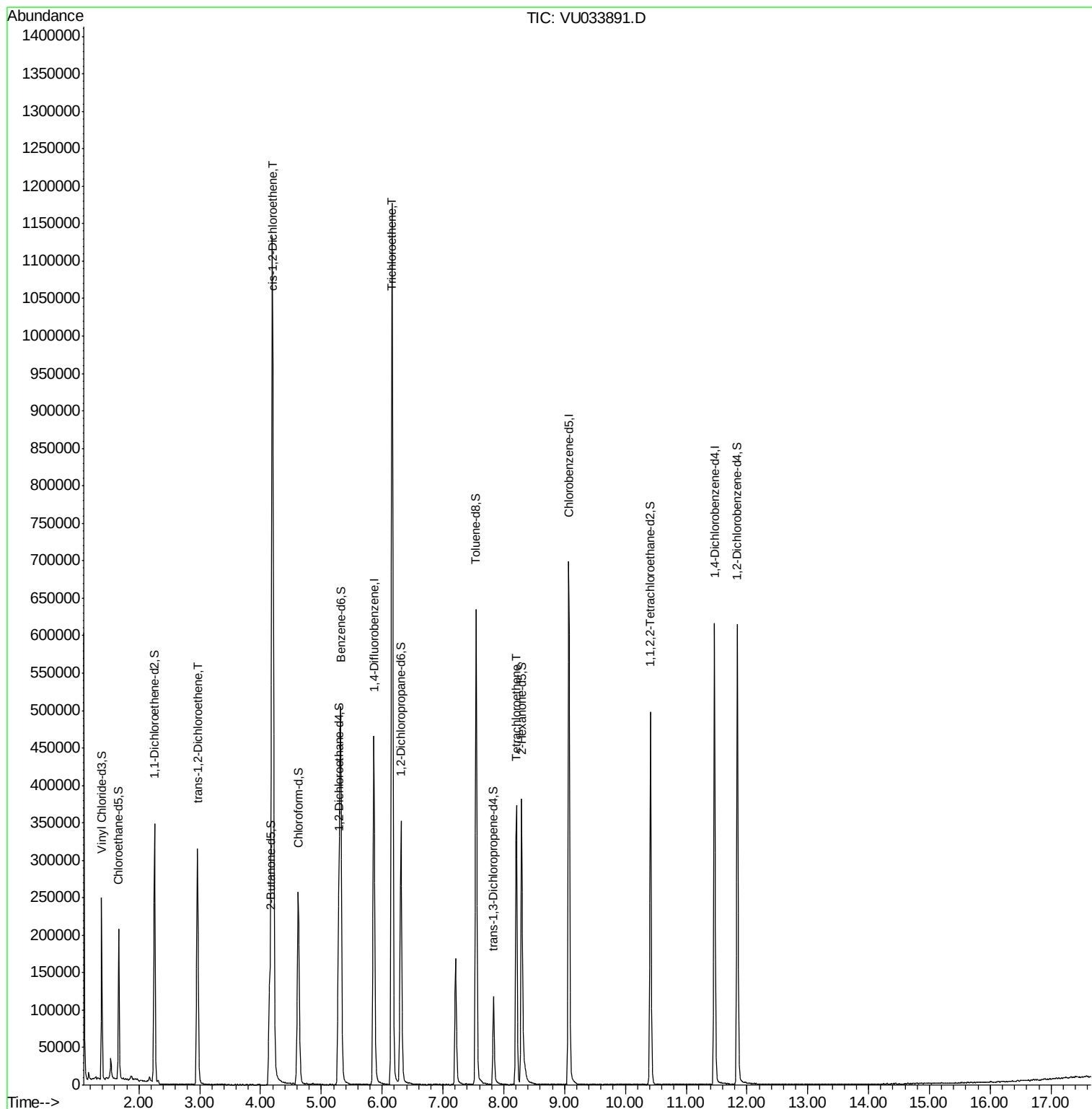
					Ovalue
17) trans-1,2-Dichloroethene	2.96	96	122638	43.416	ug/L 97
20) cis-1,2-Dichloroethene	4.20	96	629006	205.851	ug/L 97
34) Trichloroethene	6.16	95	399851	125.563	ug/L 98
46) Tetrachloroethene	8.21	164	84498	33.097	ug/L 99

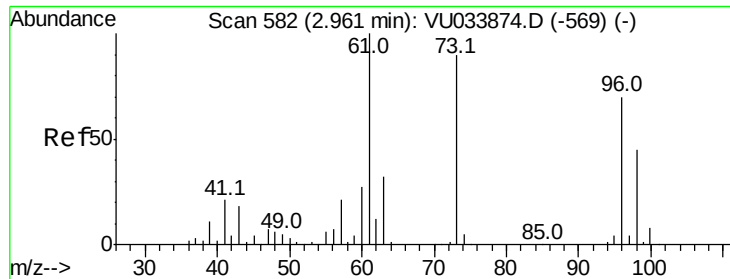
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

trans-1,2-Dichloroethene

Concen: 43.416 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033891.D

Acq: 21 Aug 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

F2B86

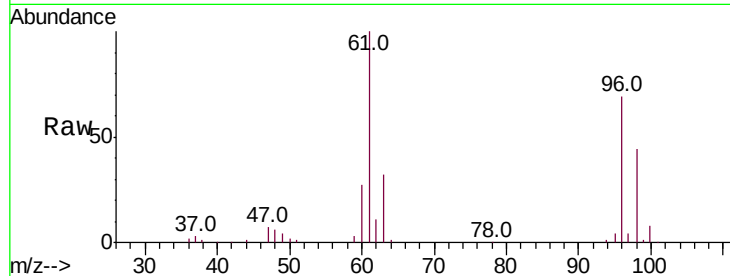
Tot Ion: 96 Resp: 122638

Ion Ratio Lower Upper

96 100

61 144.7 98.6 183.2

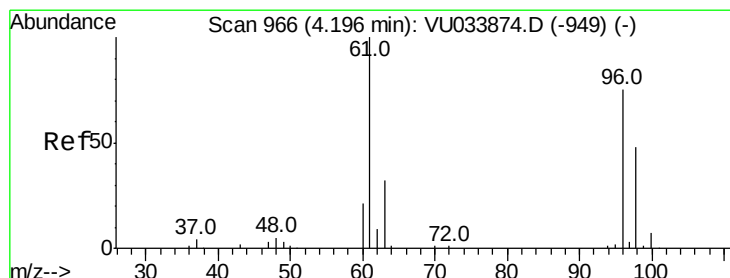
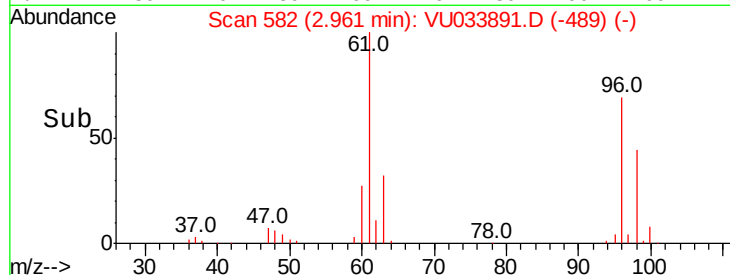
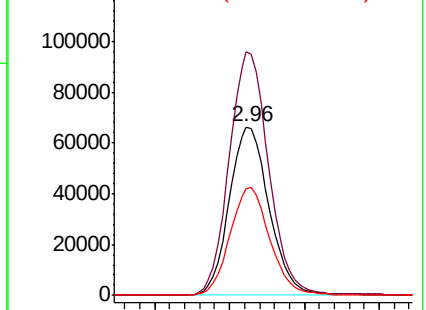
98 63.6 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU033874.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033874.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033874.D (-569) (-)



#20

cis-1,2-Dichloroethene

Concen: 205.851 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033891.D

Acq: 21 Aug 2019 22:55

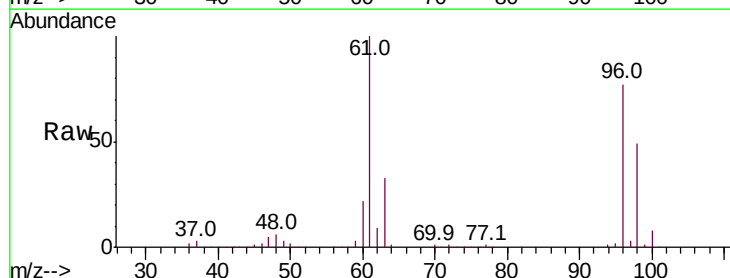
Tgt Ion: 96 Resp: 629006

Ion Ratio Lower Upper

96 100

61 129.8 88.2 163.8

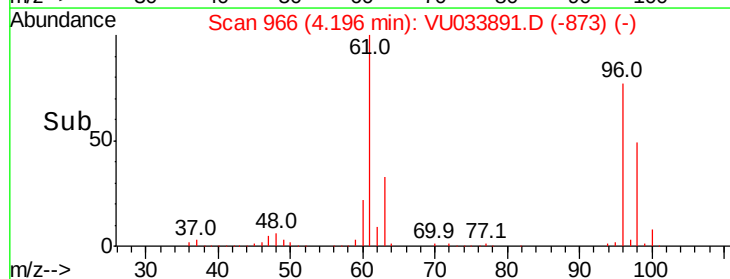
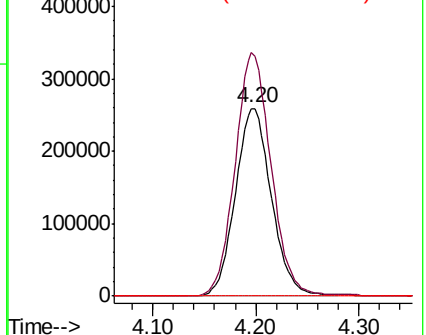
68 0.0 0.0 0.0

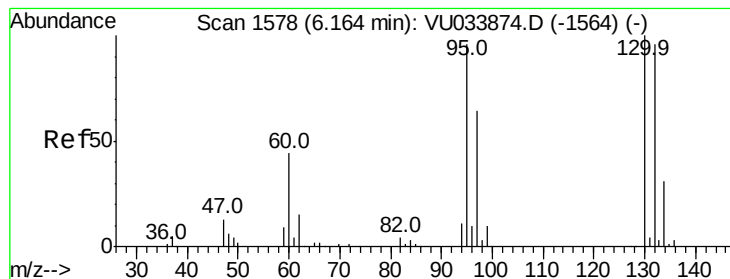


Abundance Ion 96.00 (95.70 to 96.70): VU033874.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033874.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033874.D (-949) (-)





#34

Trichloroethene

Concen: 125.563 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033891.D

Acq: 21 Aug 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

F2B86

Tot Ion: 95 Resp: 399851

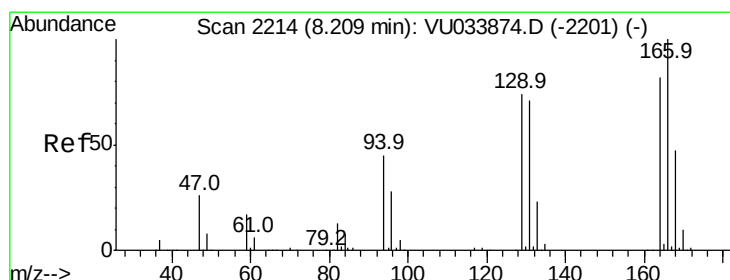
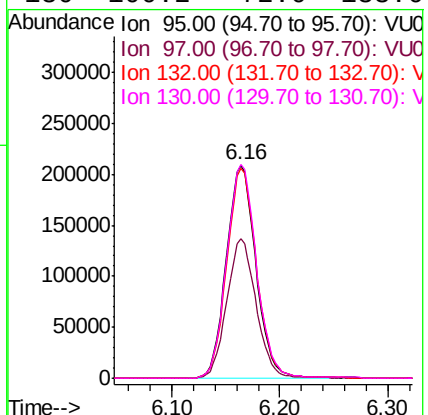
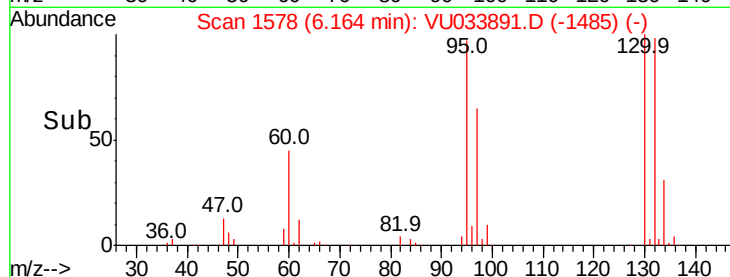
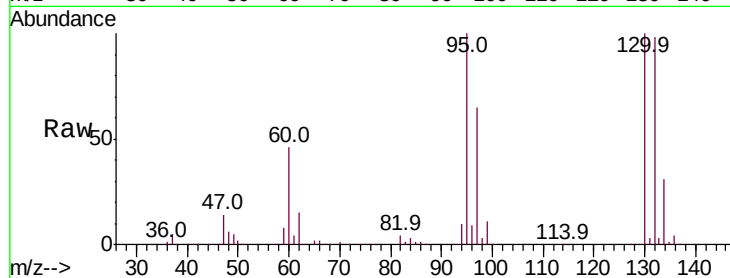
Ion Ratio Lower Upper

95 100

97 65.6 46.3 86.1

132 98.7 67.9 126.1

130 100.2 72.0 133.6



#46

Tetrachloroethene

Concen: 33.097 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033891.D

Acq: 21 Aug 2019 22:55

Tgt Ion: 164 Resp: 84498

Ion Ratio Lower Upper

164 100

129 94.1 64.4 119.6

131 90.0 63.8 118.4

166 128.8 90.9 168.7

