

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033892.D
 Acq On : 21 Aug 2019 23:18
 Operator : JC/SP
 Sample : K4454-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B87

Quant Time: Aug 22 08:21:12 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	396927	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	408580	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	168881	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	143384	40.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.30%
7) Chloroethane-d5	1.67	69	134699	40.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.66%
11) 1,1-Dichloroethene-d2	2.25	63	201193	33.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.42%
21) 2-Butanone-d5	4.15	46	198601	106.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	4.62	84	260438	45.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.62%
26) 1,2-Dichloroethane-d4	5.29	65	172941	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
32) Benzene-d6	5.32	84	504386	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.62%
36) 1,2-Dichloropropane-d6	6.31	67	170973	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.16%
41) Toluene-d8	7.55	98	443629	41.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.88%
43) trans-1,3-Dichloropropene-	7.83	79	70650	40.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.66%
47) 2-Hexanone-d5	8.29	63	130949	95.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.82%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	247339	48.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.46%
64) 1,2-Dichlorobenzene-d4	11.84	152	171232	50.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.74%

Target Compounds

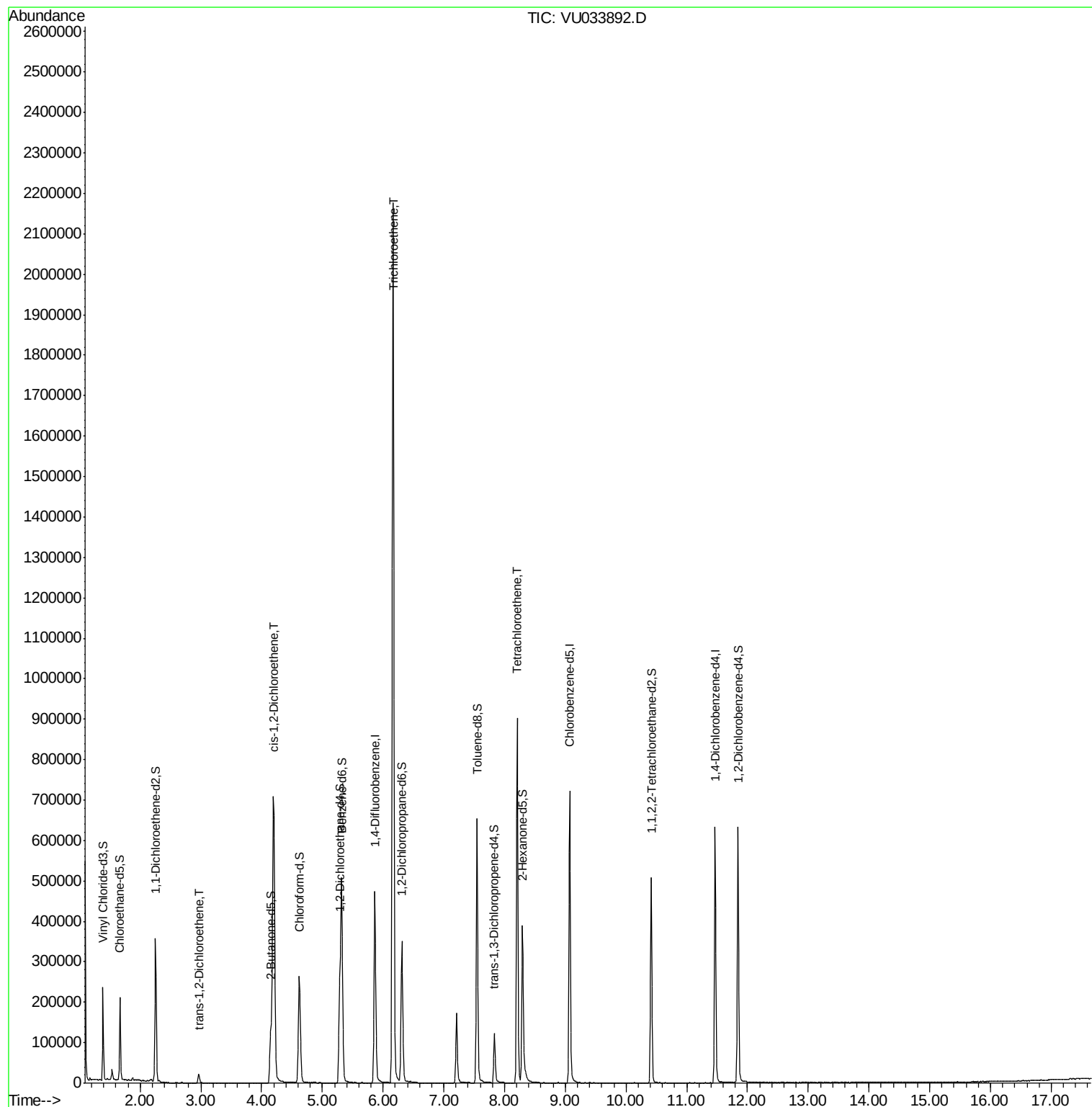
					Ovalue
17) trans-1,2-Dichloroethene	2.96	96	8863	3.099 ug/L	95
20) cis-1,2-Dichloroethene	4.20	96	396809	128.273 ug/L	96
34) Trichloroethene	6.16	95	740176	224.708 ug/L	98
46) Tetrachloroethene	8.21	164	201509	76.306 ug/L	98

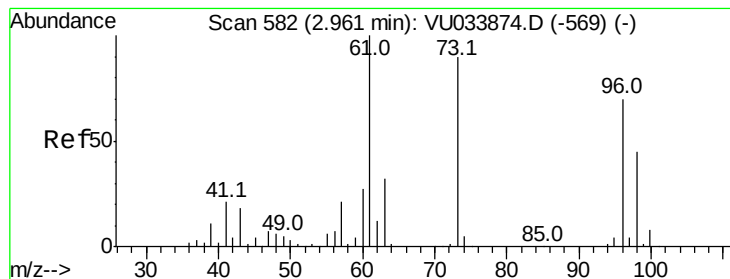
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

trans-1,2-Dichloroethene

Concen: 3.099 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033892.D

Acq: 21 Aug 2019 23:18

Instrument :

MSVOA_U

ClientSampleId :

F2B87

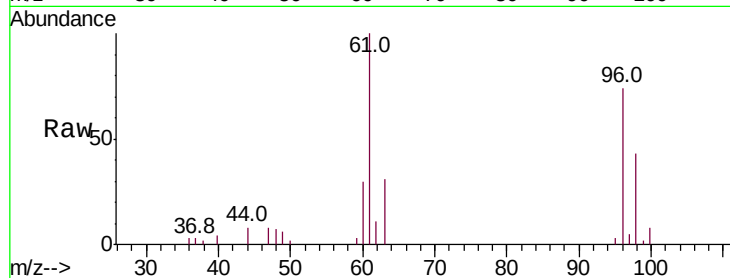
Tot Ion: 96 Resp: 8863

Ion Ratio Lower Upper

96 100

61 135.5 98.6 183.2

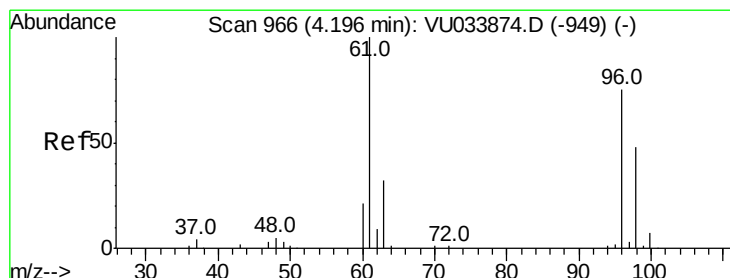
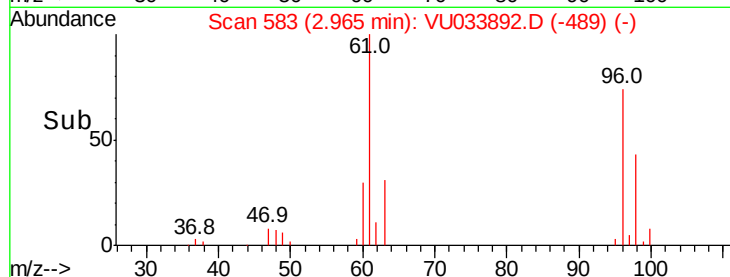
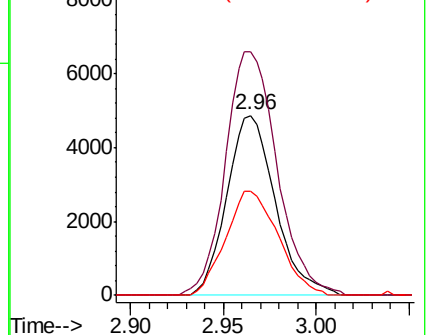
98 58.3 43.8 81.3



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: 128.273 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033892.D

Acq: 21 Aug 2019 23:18

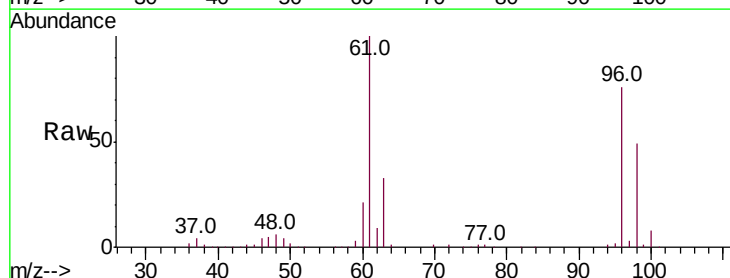
Tgt Ion: 96 Resp: 396809

Ion Ratio Lower Upper

96 100

61 130.9 88.2 163.8

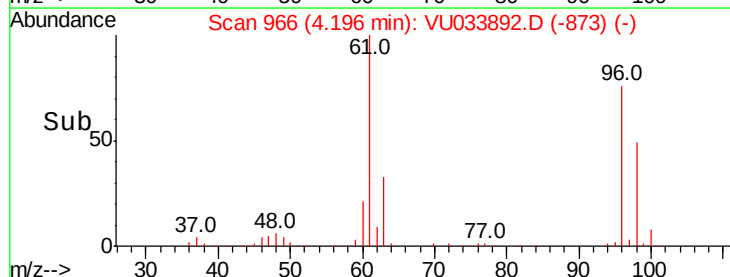
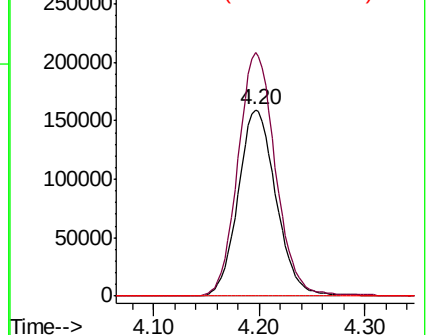
68 0.0 0.0 0.0

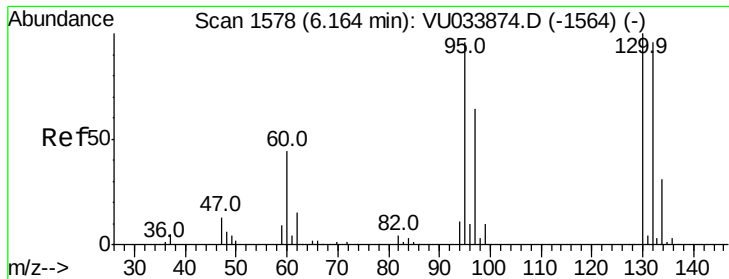


Abundance Ion 96.00 (95.70 to 96.70): VU033874.D (-949) (-)

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: 224.708 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033892.D

Acq: 21 Aug 2019 23:18

Instrument :

MSVOA_U

ClientSampleId :

F2B87

Tot Ion: 95 Resp: 740176

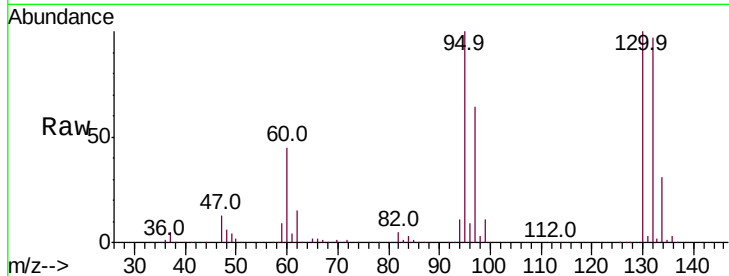
Ion Ratio Lower Upper

95 100

97 64.4 46.3 86.1

132 97.5 67.9 126.1

130 100.4 72.0 133.6

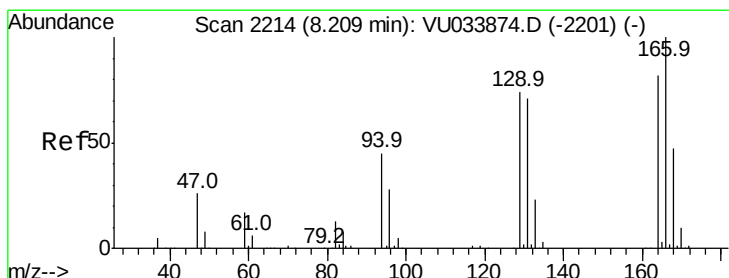
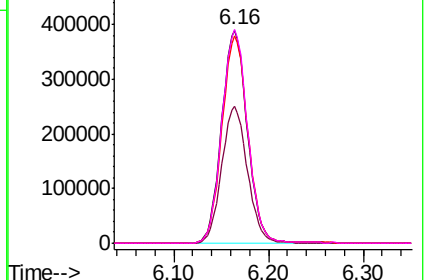
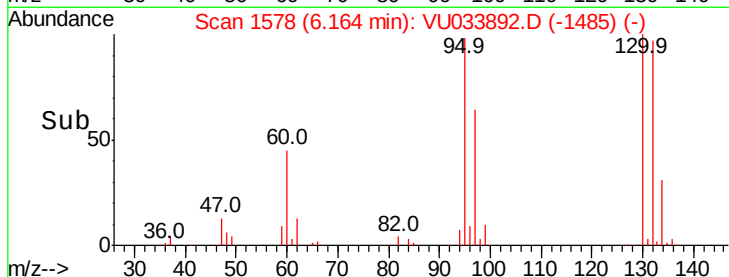


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 76.306 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033892.D

Acq: 21 Aug 2019 23:18

Tgt Ion:164 Resp: 201509

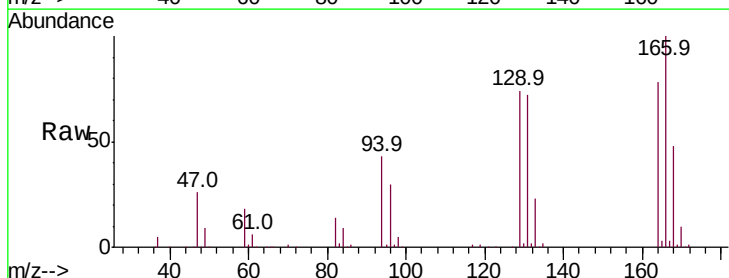
Ion Ratio Lower Upper

164 100

129 95.7 64.4 119.6

131 93.2 63.8 118.4

166 128.9 90.9 168.7



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

