

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033896.D
 Acq On : 22 Aug 2019 00:53
 Operator : JC/SP
 Sample : K4454-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B91

Quant Time: Aug 22 08:47:07 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	380873	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	390429	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	170746	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	143818	41.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.94%
7) Chloroethane-d5	1.67	69	130853	40.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.66%
11) 1,1-Dichloroethene-d2	2.25	63	198032	34.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.16%
21) 2-Butanone-d5	4.15	46	197535	109.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.92%
24) Chloroform-d	4.62	84	268127	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.22%
26) 1,2-Dichloroethane-d4	5.28	65	175633	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
32) Benzene-d6	5.32	84	512363	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.31	67	171992	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.02%
41) Toluene-d8	7.55	98	431446	42.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.36%
43) trans-1,3-Dichloropropene-	7.84	79	784	0.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.94%#
47) 2-Hexanone-d5	8.30	63	126963	97.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.22%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	256915	52.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.84%
64) 1,2-Dichlorobenzene-d4	11.84	152	181303	53.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.56%

Target Compounds

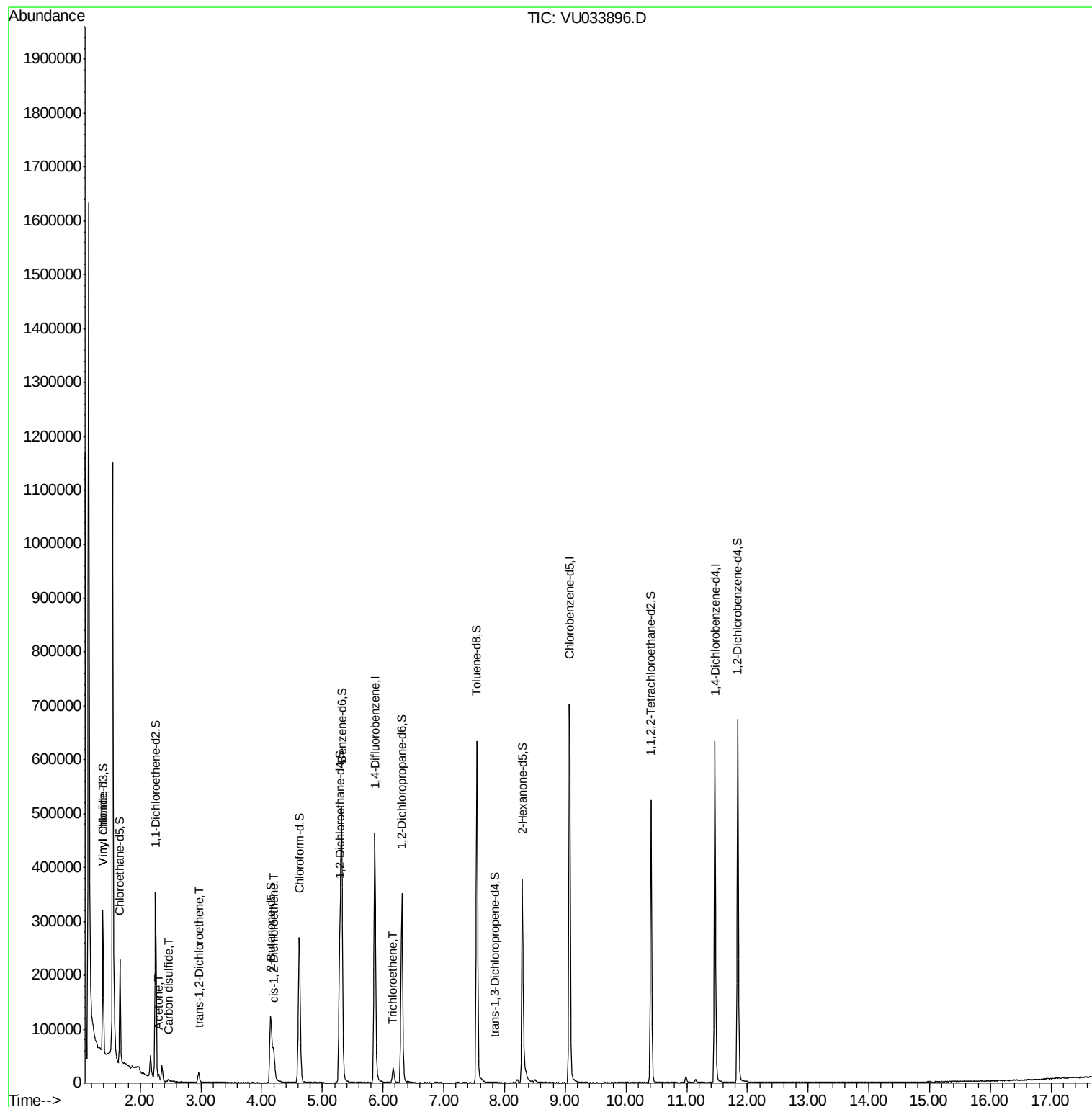
					Ovalue
5) Vinyl chloride	1.39	62	29353	6.862 ug/L #	22
13) Acetone	2.30	43	11682	6.614 ug/L	100
14) Carbon disulfide	2.46	76	7654	0.922 ug/L #	94
17) trans-1,2-Dichloroethene	2.96	96	7068	2.576 ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	28866	9.725 ug/L	99
34) Trichloroethene	6.16	95	8298	2.636 ug/L	93

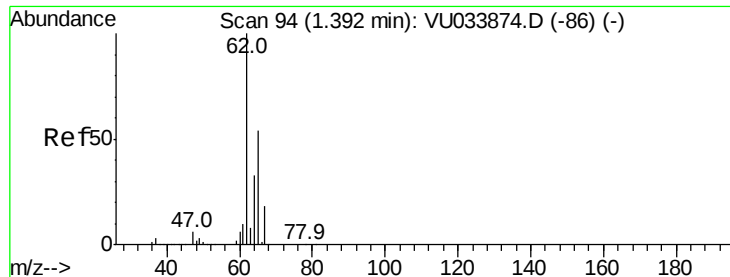
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 6.862 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

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Acq: 22 Aug 2019 00:53

Instrument :

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ClientSampleId :

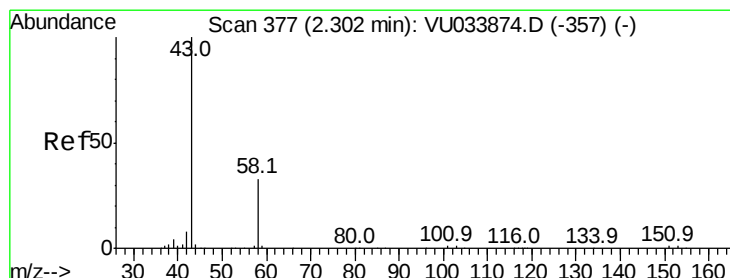
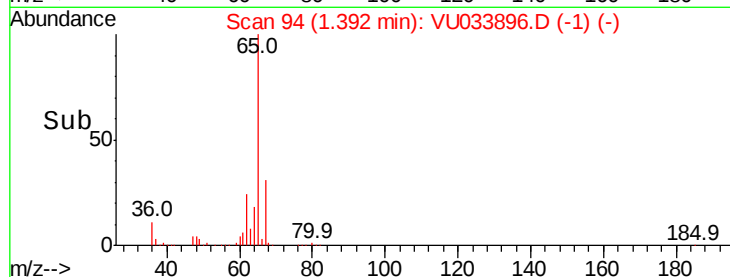
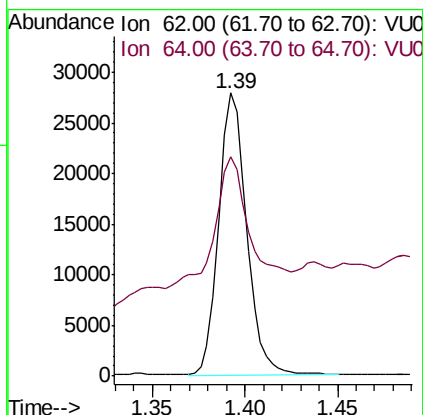
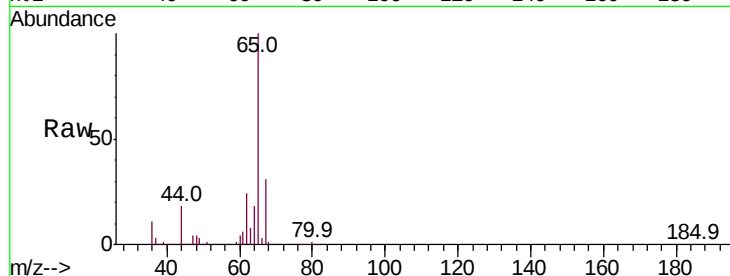
F2B91

Tot Ion: 62 Resp: 29353

Ion Ratio Lower Upper

62 100

64 77.5 23.3 43.3#



#13

Acetone

Concen: 6.614 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VU033896.D

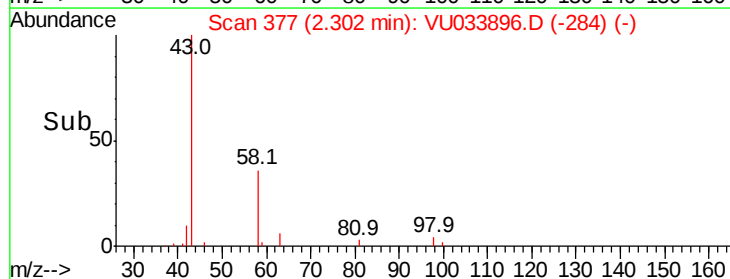
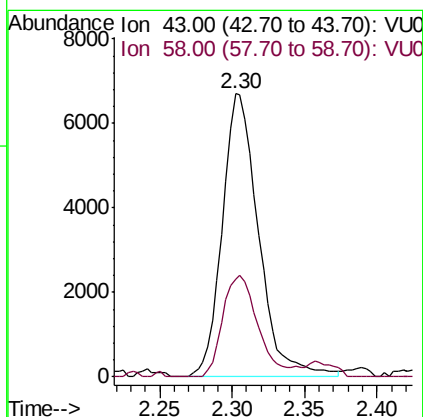
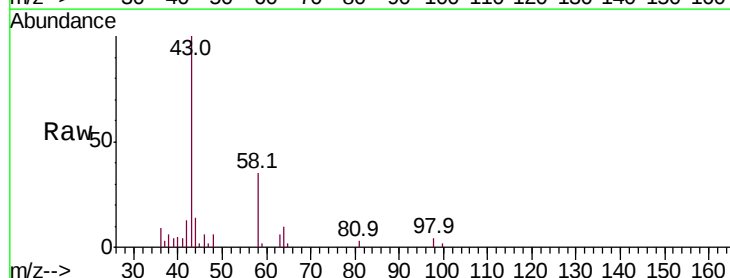
Acq: 22 Aug 2019 00:53

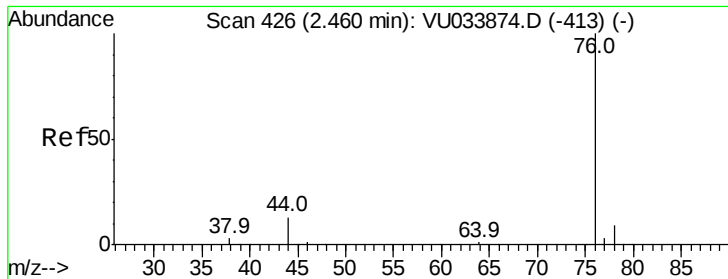
Tgt Ion: 43 Resp: 11682

Ion Ratio Lower Upper

43 100

58 34.3 0.0 69.0





#14

Carbon disulfide

Concen: 0.922 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033896.D

Acq: 22 Aug 2019 00:53

Instrument :

MSVOA_U

ClientSampled :

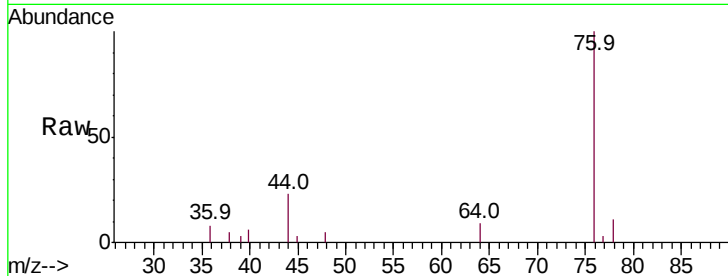
F2B91

Tot Ion: 76 Resp: 7654

Ion Ratio Lower Upper

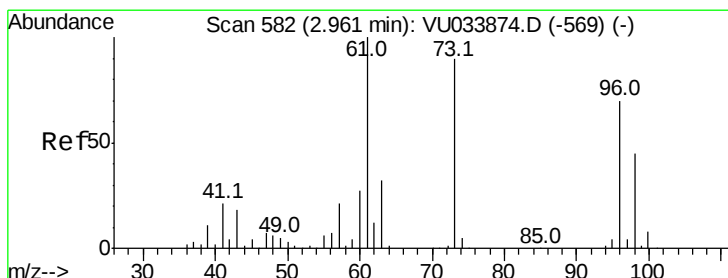
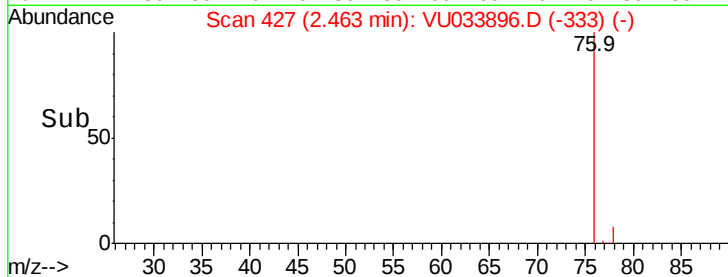
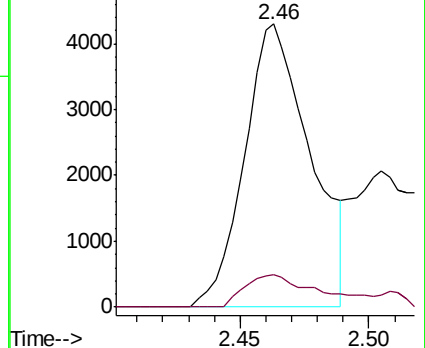
76 100

78 11.4 7.4 11.2#



Abundance Ion 76.00 (75.70 to 76.70): VU033874.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033874.D (-413) (-)



#17

trans-1,2-Dichloroethene

Concen: 2.576 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033896.D

Acq: 22 Aug 2019 00:53

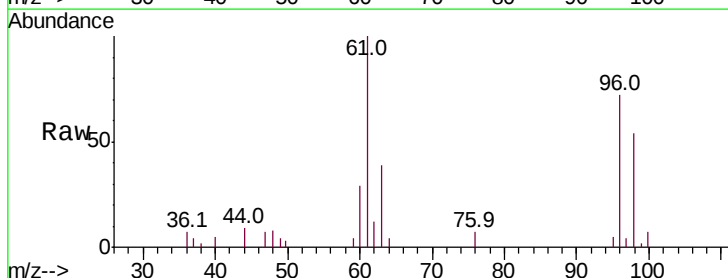
Tgt Ion: 96 Resp: 7068

Ion Ratio Lower Upper

96 100

61 139.7 98.6 183.2

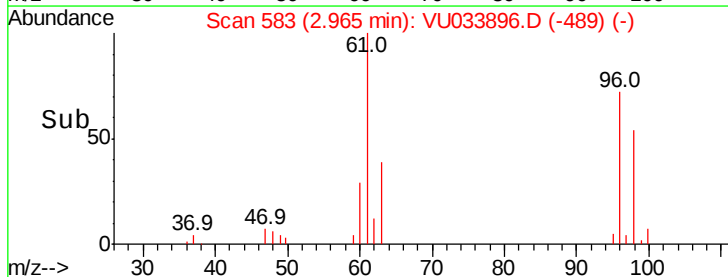
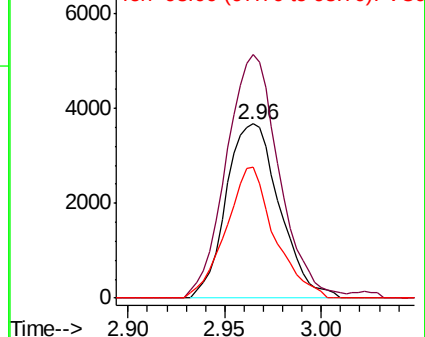
98 75.2 43.8 81.3

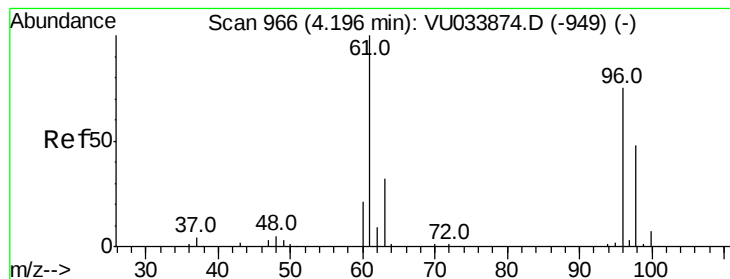


Abundance Ion 96.00 (95.70 to 96.70): VU033874.D (-569) (-)

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

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



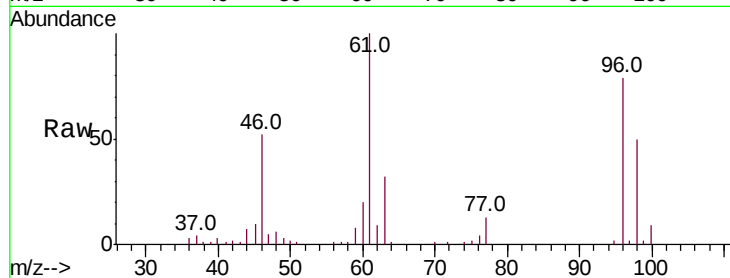


#20

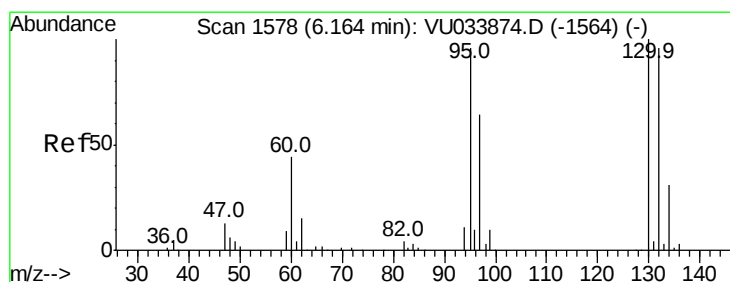
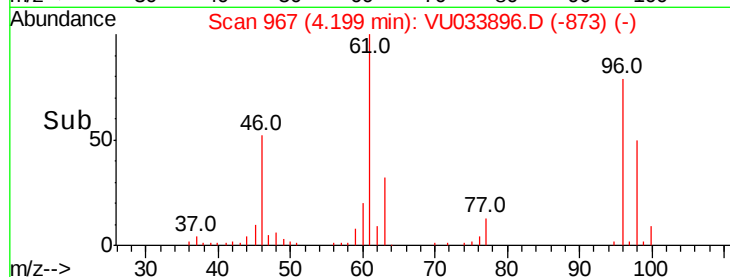
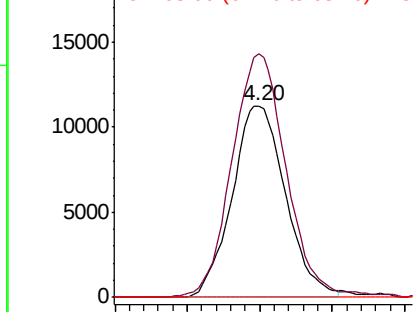
cis-1,2-Dichloroethene
 Concen: 9.725 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033896.D
 Acq: 22 Aug 2019 00:53

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B91

Tot Ion: 96 Resp: 28866
 Ion Ratio Lower Upper
 96 100
 61 127.1 88.2 163.8
 68 0.0 0.0 0.0



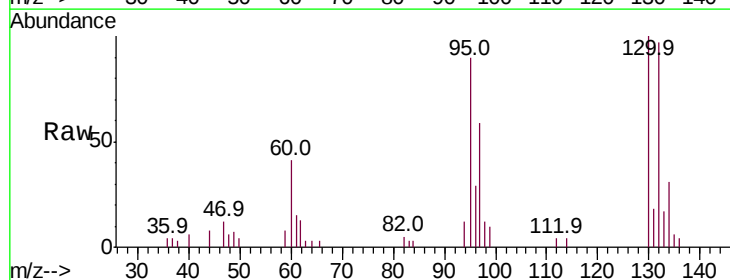
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene
 Concen: 2.636 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033896.D
 Acq: 22 Aug 2019 00:53

Tgt Ion: 95 Resp: 8298
 Ion Ratio Lower Upper
 95 100
 97 65.3 46.3 86.1
 132 106.9 67.9 126.1
 130 110.8 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

