

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU081019\
 Data File : VU033728.D
 Acq On : 10 Aug 2019 19:43
 Operator : JC/SP
 Sample : K4289-02RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B10RE

Quant Time: Aug 12 01:40:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Aug 11 04:24:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	309594	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	299948	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	140856	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	36119	15.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	31.70%#
7) Chloroethane-d5	1.67	69	45134	19.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	39.52%#
11) 1,1-Dichloroethene-d2	2.26	63	56633	14.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	29.56%#
21) 2-Butanone-d5	4.15	46	168354	119.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.16%
24) Chloroform-d	4.62	84	131313	38.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.56%
26) 1,2-Dichloroethane-d4	5.29	65	86430	40.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.64%
32) Benzene-d6	5.32	84	211087	29.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	59.64%#
36) 1,2-Dichloropropane-d6	6.31	67	83784	38.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.14%
41) Toluene-d8	7.55	98	165140	24.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	49.60%#
43) trans-1,3-Dichloropropene-	7.83	79	36953	33.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.38%
47) 2-Hexanone-d5	8.29	63	121430	107.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	167489	52.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.24%
64) 1,2-Dichlorobenzene-d4	11.84	152	101817	42.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.90%

Target Compounds

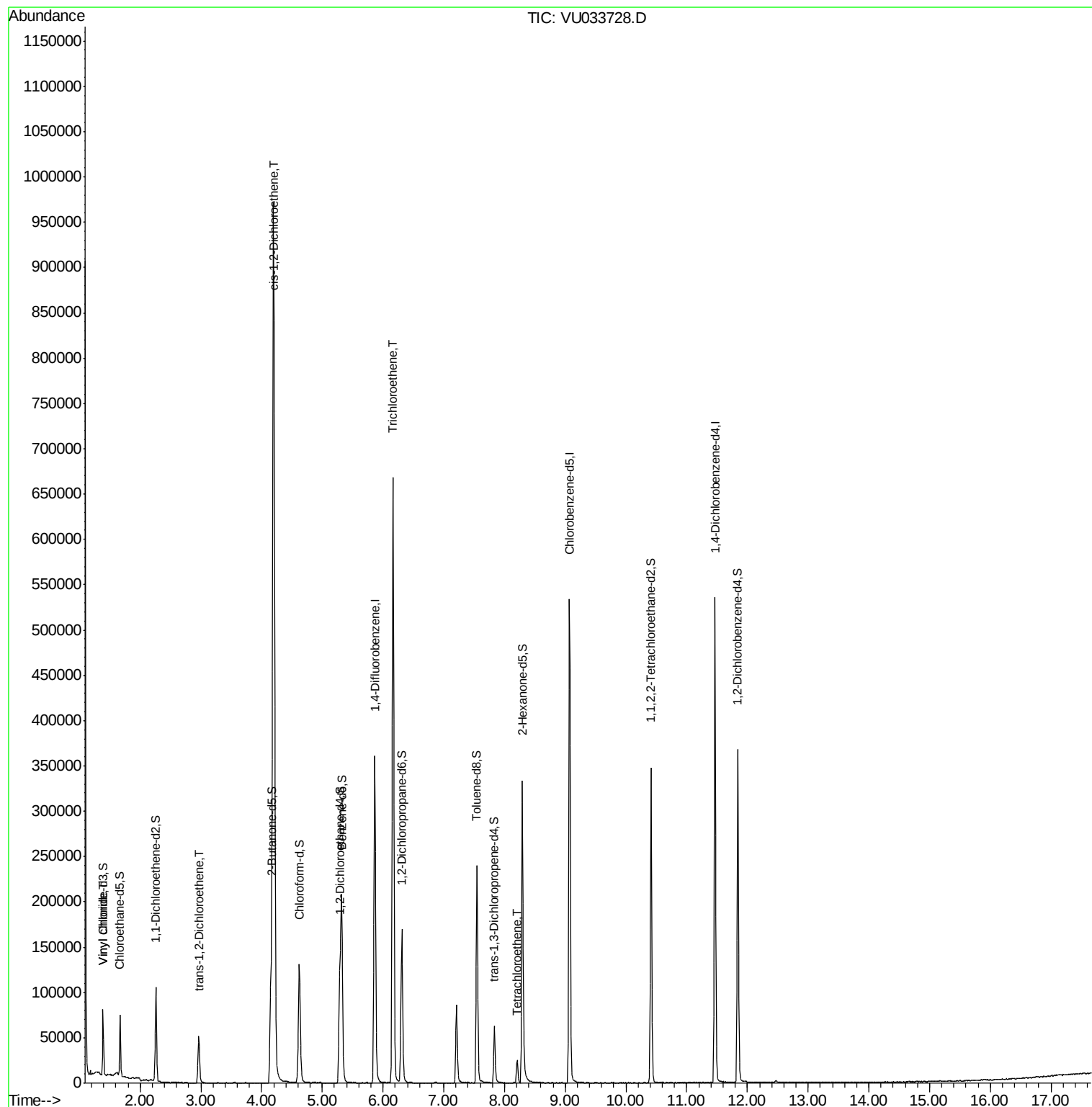
					Ovalue
5) Vinyl chloride	1.39	62	14139	5.425	ug/L 95
17) trans-1,2-Dichloroethene	2.96	96	21232	10.882	ug/L 96
20) cis-1,2-Dichloroethene	4.20	96	561002	252.069	ug/L 99
34) Trichloroethene	6.16	95	231720	105.207	ug/L 97
46) Tetrachloroethene	8.21	164	5673	3.125	ug/L 93

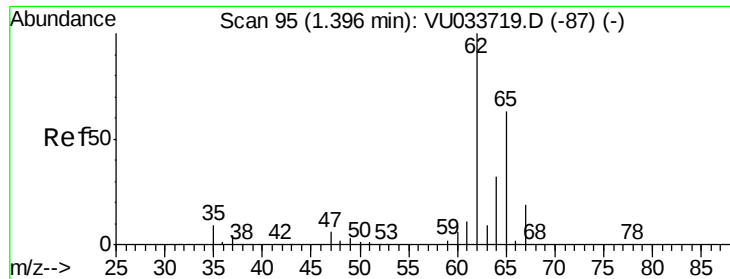
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.425 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033728.D

Acq: 10 Aug 2019 19:43

Instrument :

MSVOA_U

ClientSampleId :

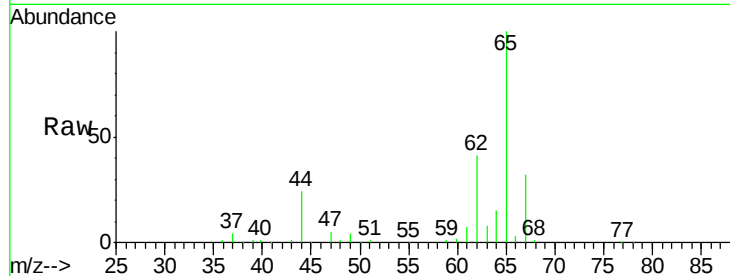
F2B10RE

Tot Ion: 62 Resp: 14139

Ion Ratio Lower Upper

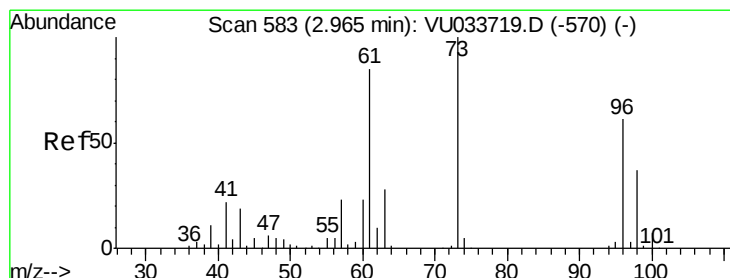
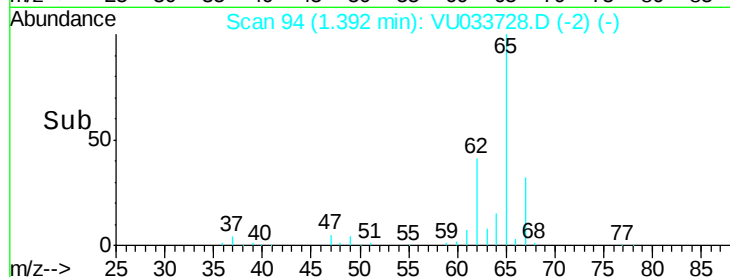
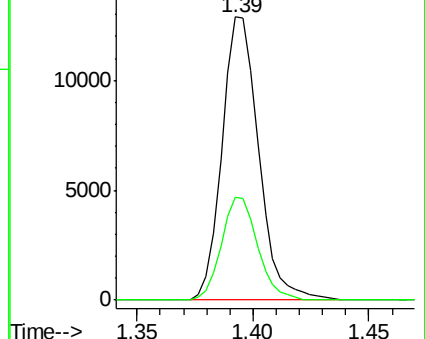
62 100

64 36.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 10.882 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033728.D

Acq: 10 Aug 2019 19:43

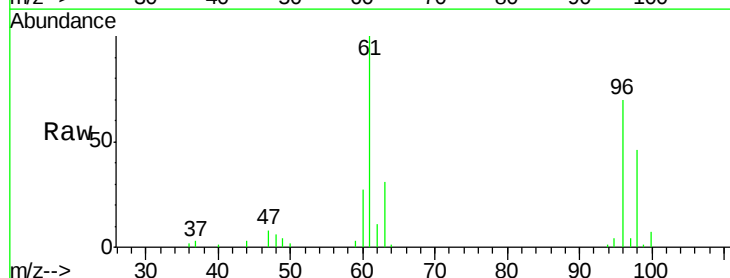
Tgt Ion: 96 Resp: 21232

Ion Ratio Lower Upper

96 100

61 142.2 95.6 177.6

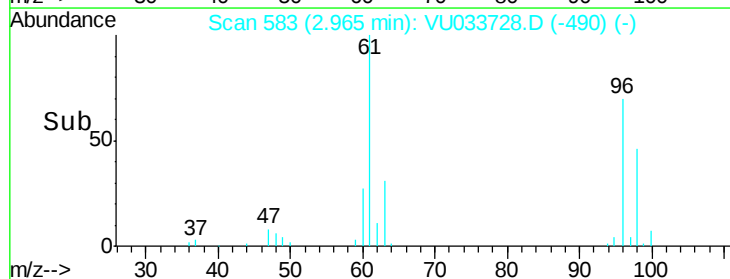
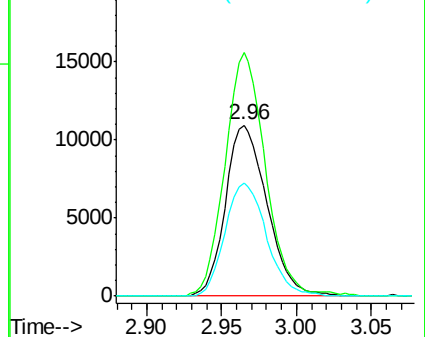
98 65.7 44.6 82.8

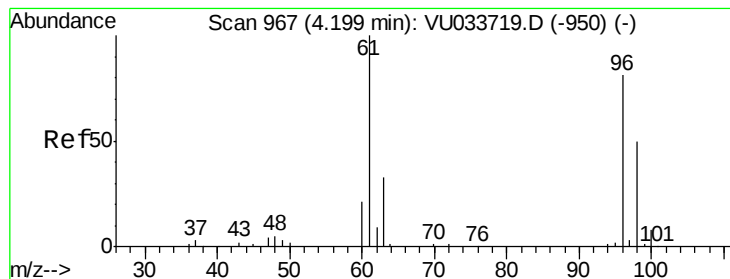


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



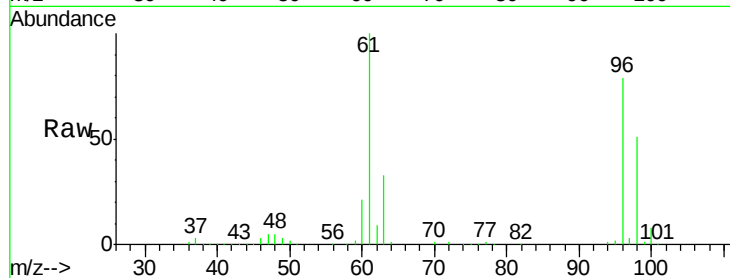


#20

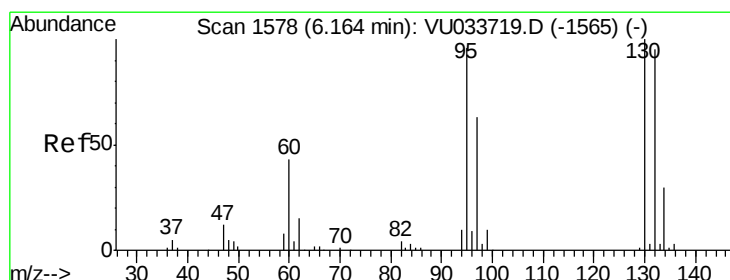
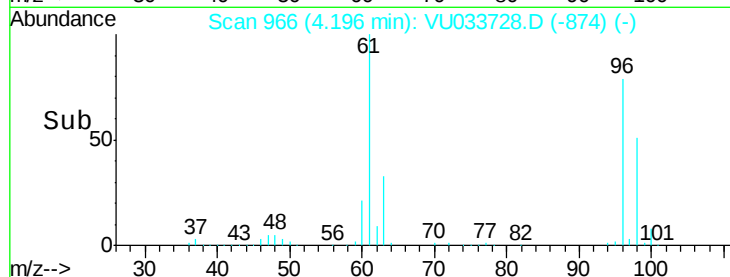
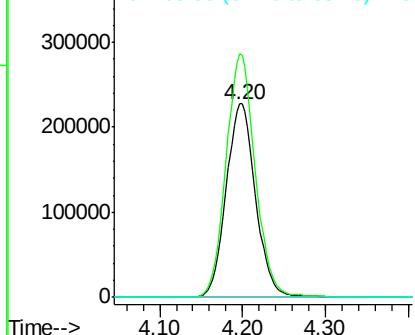
cis-1,2-Dichloroethene
Concen: 252.069 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033728.D
Acq: 10 Aug 2019 19:43

Instrument :
MSVOA_U
ClientSampleId :
F2B10RE

Tot Ion: 96 Resp: 561002
Ion Ratio Lower Upper
96 100
61 125.9 87.0 161.6
68 0.0 0.0 0.0



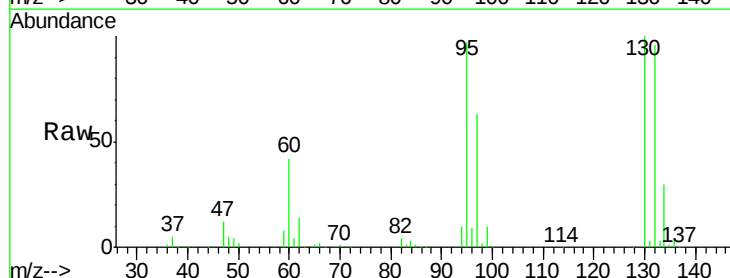
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



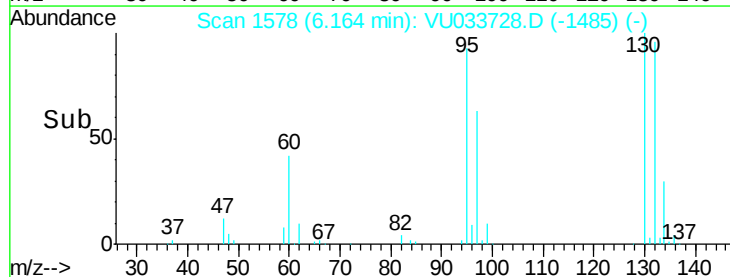
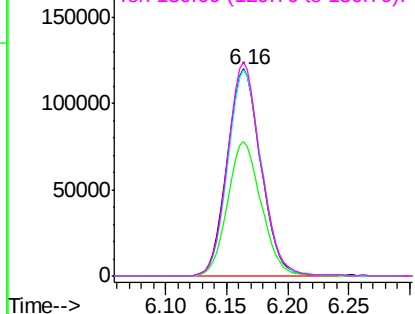
#34

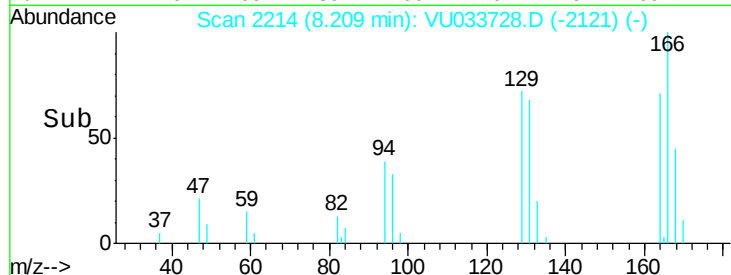
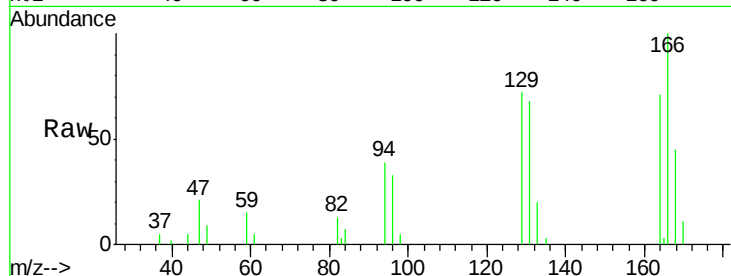
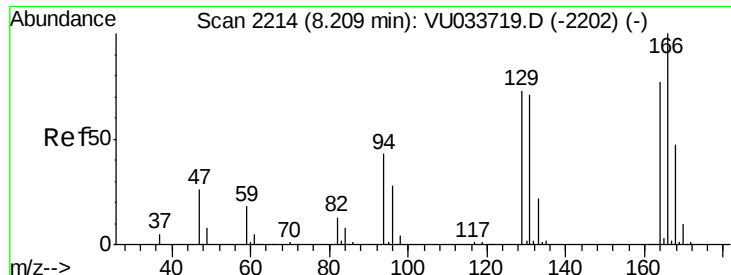
Trichloroethene
Concen: 105.207 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU033728.D
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Tgt Ion: 95 Resp: 231720
Ion Ratio Lower Upper
95 100
97 64.8 45.6 84.8
132 99.5 72.0 133.8
130 103.1 74.3 138.1



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: 3.125 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033728.D

Acq: 10 Aug 2019 19:43

Instrument :

MSVOA_U

ClientSampleId :

F2B10RE

Tot Ion:164 Resp: 5673

Ion Ratio Lower Upper

164 100

129 101.1 65.5 121.7

131 96.2 63.6 118.0

166 141.1 92.7 172.3

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

