

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033433.D
 Acq On : 26 Jul 2019 00:32
 Operator : JC/SP
 Sample : K3976-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C99

Quant Time: Jul 26 07:49:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 05:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	278440	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	283818	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	123687	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	124767	59.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.38%
7) Chloroethane-d5	1.67	69	110609	61.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.86%
11) 1,1-Dichloroethene-d2	2.25	63	168276	44.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.02%
21) 2-Butanone-d5	4.15	46	150729	112.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.86%
24) Chloroform-d	4.62	84	190518	53.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.88%
26) 1,2-Dichloroethane-d4	5.29	65	133926	59.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.22%
32) Benzene-d6	5.32	84	410080	58.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.80%
36) 1,2-Dichloropropane-d6	6.31	67	129630	58.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.24%
41) Toluene-d8	7.55	98	371713	56.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.22%
43) trans-1,3-Dichloropropene-	7.83	79	57459	52.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.08%
47) 2-Hexanone-d5	8.29	63	110057	109.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.46%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	190294	56.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.74%
64) 1,2-Dichlorobenzene-d4	11.85	152	139151	63.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	126.16%#

Target Compounds

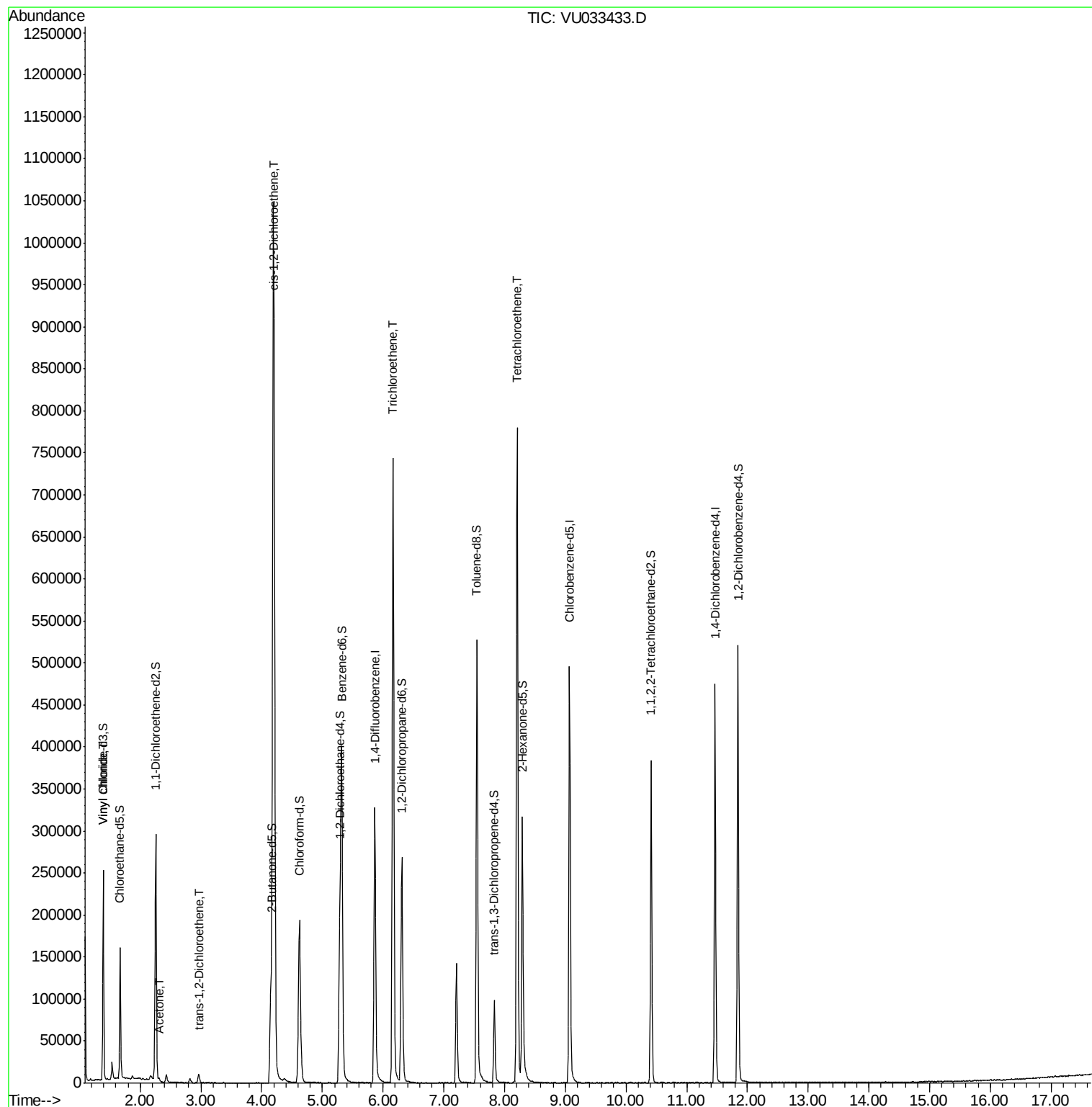
					Ovalue
5) Vinyl chloride	1.40	62	43552	13.861	ug/L 95
13) Acetone	2.31	43	2940	1.762	ug/L 96
17) trans-1,2-Dichloroethene	2.96	96	4174	2.173	ug/L 95
20) cis-1,2-Dichloroethene	4.20	96	586315	270.618	ug/L 99
34) Trichloroethene	6.16	95	259519	119.890	ug/L 99
46) Tetrachloroethene	8.21	164	173502	103.539	ug/L 98

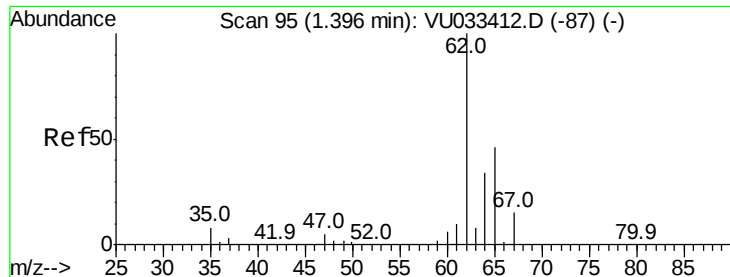
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 13.861 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033433.D

Acq: 26 Jul 2019 00:32

Instrument :

MSVOA_U

ClientSampleId :

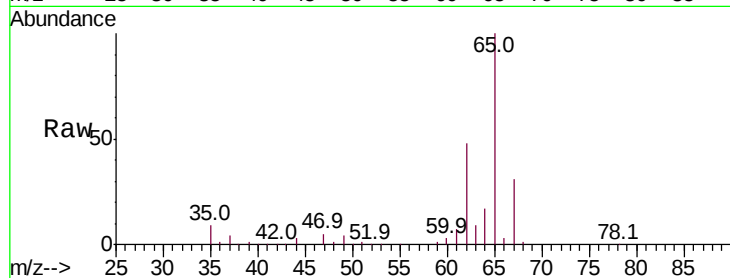
C0C99

Tot Ion: 62 Resp: 43552

Ion Ratio Lower Upper

62 100

64 35.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU033412.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033412.D (-87) (-)

1.40

40000

30000

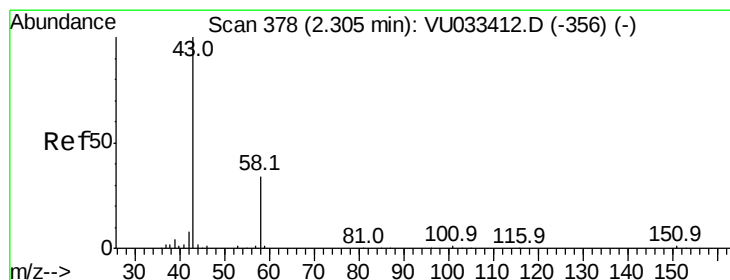
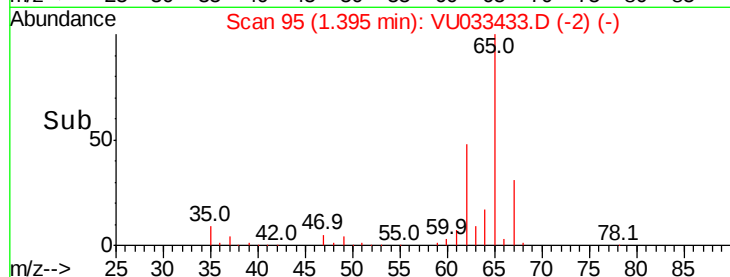
20000

10000

0

Time-->

1.35 1.40 1.45



#13

Acetone

Concen: 1.762 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033433.D

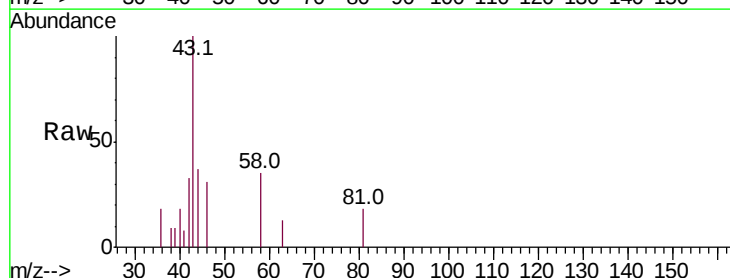
Acq: 26 Jul 2019 00:32

Tgt Ion: 43 Resp: 2940

Ion Ratio Lower Upper

43 100

58 30.4 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033412.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033412.D (-356) (-)

2.31

2000

1500

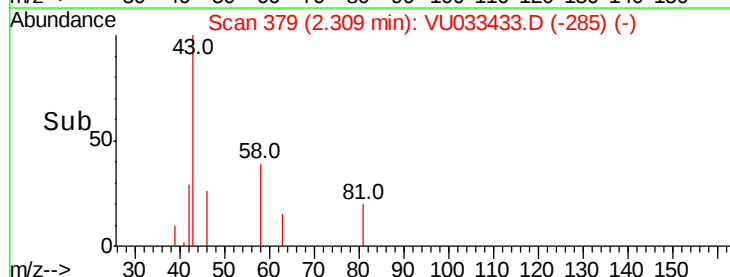
1000

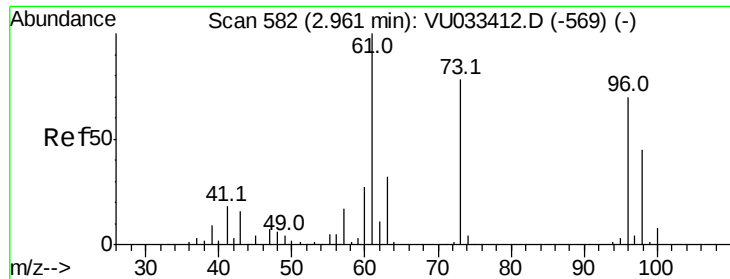
500

0

Time-->

2.30 2.35

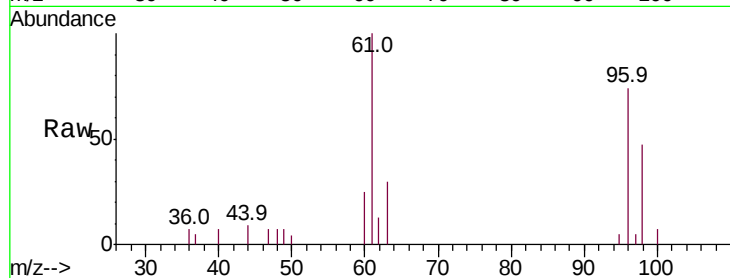




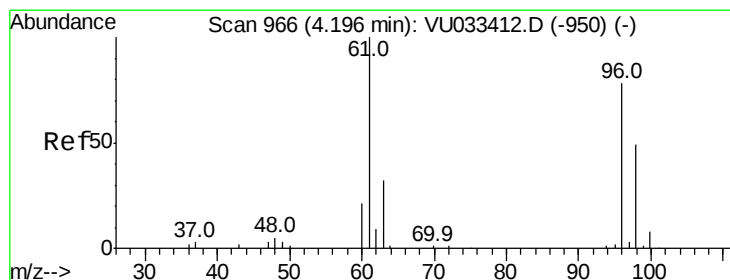
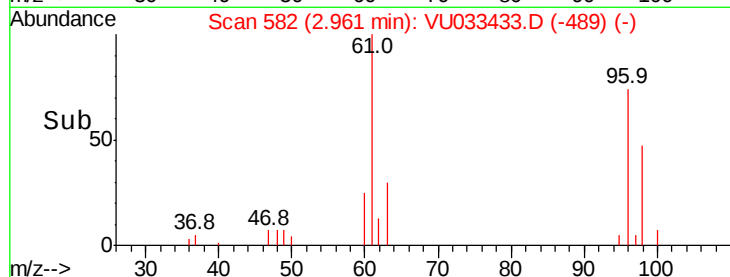
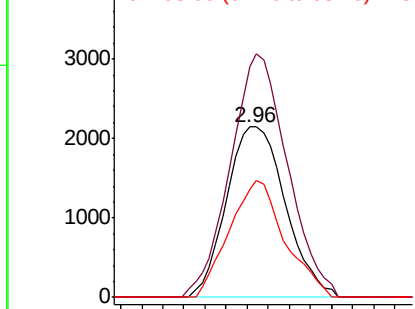
#17
trans-1,2-Dichloroethene
Concen: 2.173 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU033433.D
Acq: 26 Jul 2019 00:32

Instrument :
MSVOA_U
ClientSampled :
C0C99

Tot Ion: 96 Resp: 4174
Ion Ratio Lower Upper
96 100
61 135.1 100.2 186.2
98 63.5 44.2 82.0

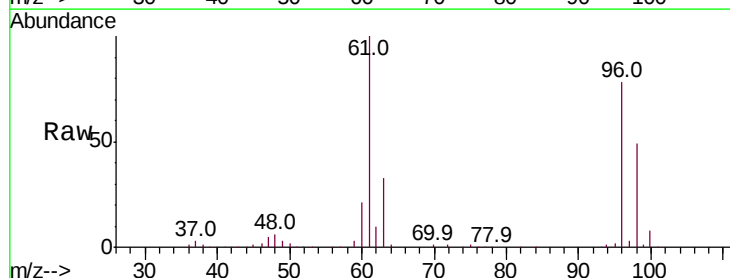


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

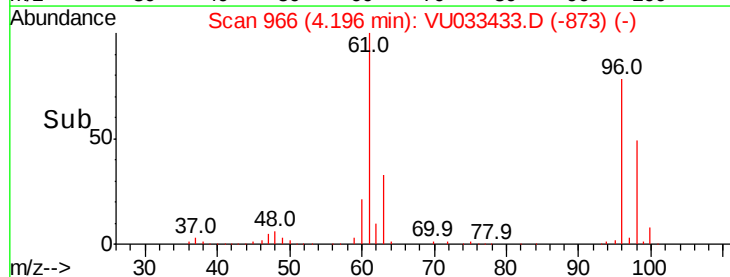
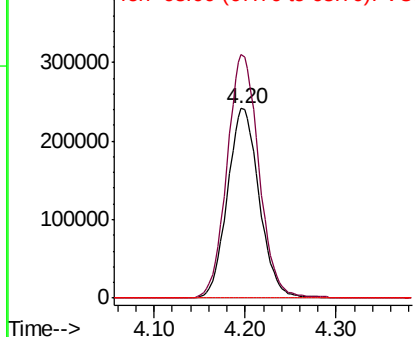


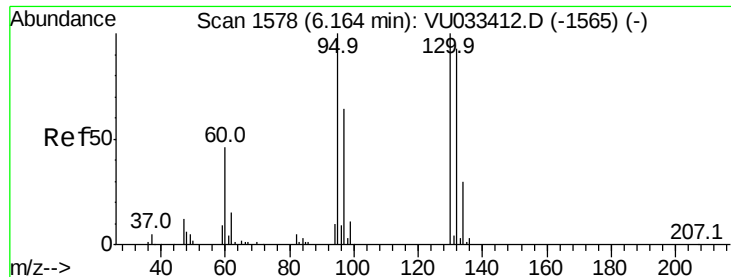
#20
cis-1,2-Dichloroethene
Concen: 270.618 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033433.D
Acq: 26 Jul 2019 00:32

Tgt Ion: 96 Resp: 586315
Ion Ratio Lower Upper
96 100
61 128.4 91.1 169.1
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: 119.890 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033433.D

Acq: 26 Jul 2019 00:32

Instrument :

MSVOA_U

ClientSampleId :

C0C99

Tot Ion: 95 Resp: 259519

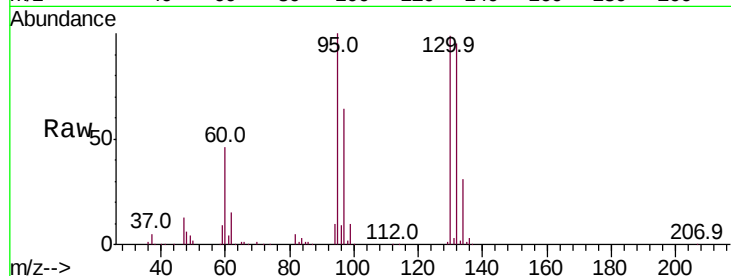
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.4

132 95.2 65.5 121.6

130 99.0 69.7 129.5

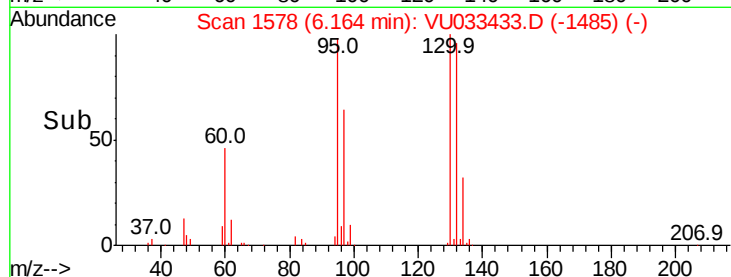


Abundance Ion 95.00 (94.70 to 95.70): VU0

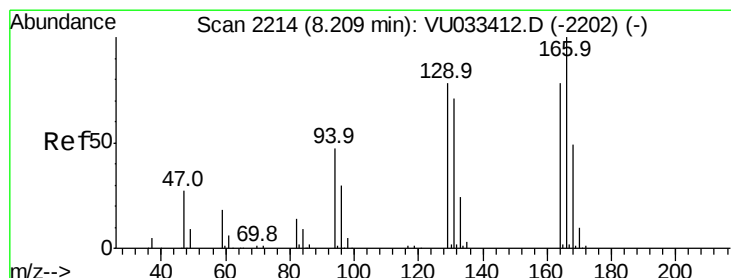
Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time--> 6.10 6.15 6.20 6.25



#46

Tetrachloroethene

Concen: 103.539 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033433.D

Acq: 26 Jul 2019 00:32

Tgt Ion:164 Resp: 173502

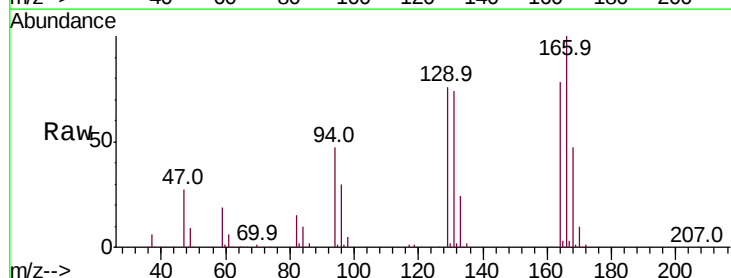
Ion Ratio Lower Upper

164 100

129 97.9 69.6 129.2

131 96.0 65.7 122.1

166 129.0 88.5 164.4

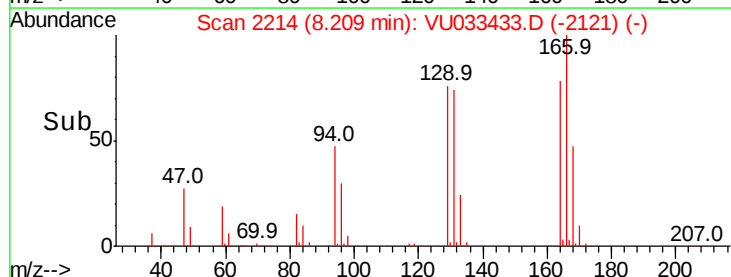


Abundance Ion 164.00 (163.70 to 164.70): V

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



Time--> 8.10 8.20 8.30