

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
 Data File : VV009105.D
 Acq On : 21 Dec 2018 01:29
 Operator : SY/MD
 Sample : J6468-17
 Misc : 6.05 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JH3

Quant Time: Dec 21 03:00:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 01:30:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	206490	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	170712	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58535	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	42842	20.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.20%
7) Chloroethane-d5	1.58	69	44499	28.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.76%
10) 1,1-Dichloroethene-d2	2.13	63	85250	15.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.84%
20) 2-Butanone-d5	3.94	46	41109	52.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.68%
24) Chloroform-d	4.40	84	132229	26.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.56%
26) 1,2-Dichloroethane-d4	5.08	65	81197	29.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	119.88%
29) Benzene-d6	5.10	84	252444	26.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.92%
33) 1,2-Dichloropropane-d6	6.12	67	80890	30.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.20%#
37) Toluene-d8	7.36	98	218909	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.24%
38) trans-1,3-Dichloropropene-	7.67	79	31254	26.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.60%
39) 2-Hexanone-d5	8.14	63	23788	48.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.30%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59309	26.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.96%
61) 1,2-Dichlorobenzene-d4	11.68	152	55956	25.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.88%

Target Compounds

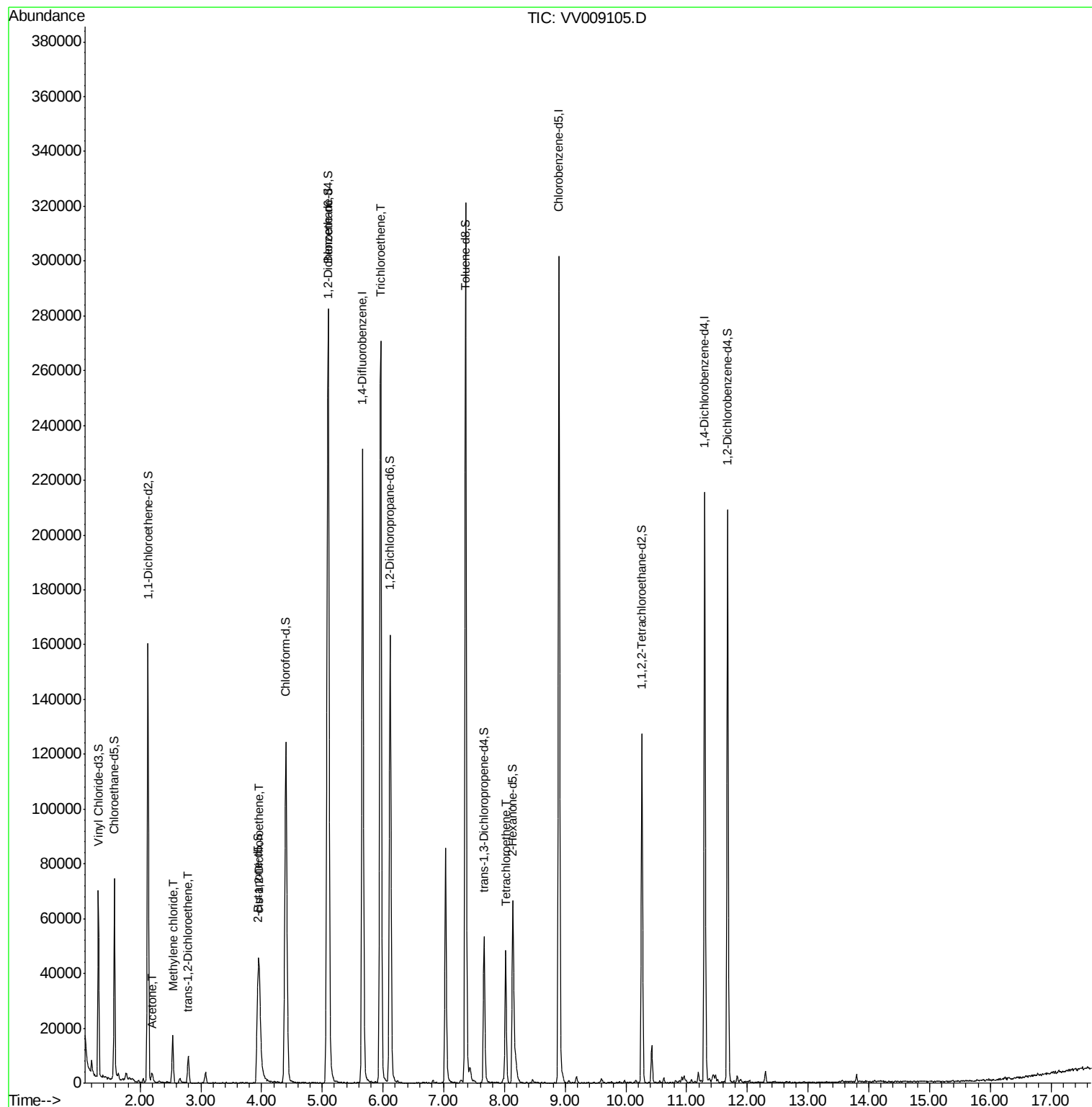
					Qvalue
13) Acetone	2.20	43	4121	3.595 ug/L	93
16) Methylene chloride	2.54	84	7606	2.187 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	4083	1.420 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	12356	4.120 ug/L	93
35) Trichloroethene	5.96	95	94635	30.691 ug/L	99
47) Tetrachloroethene	8.02	164	11194	4.464 ug/L	95

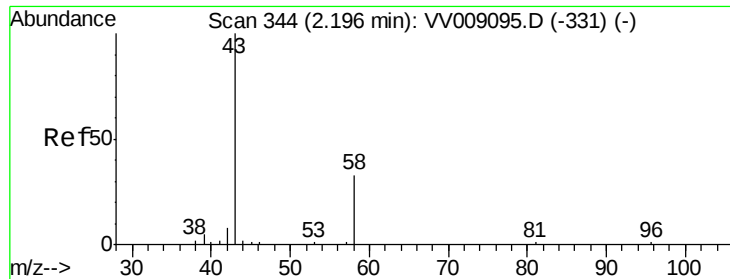
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.595 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

Instrument :

MSVOA_V

ClientSampleId :

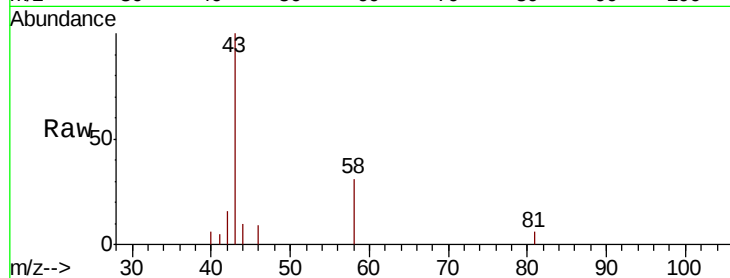
C0JH3

Tgt Ion: 43 Resp: 4121

Ion Ratio Lower Upper

43 100

58 28.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009105.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009105.D (-331) (-)

2000

1500

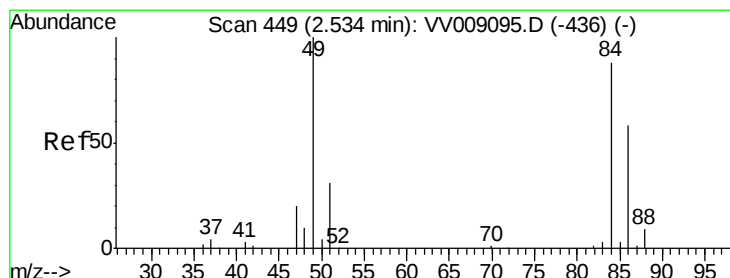
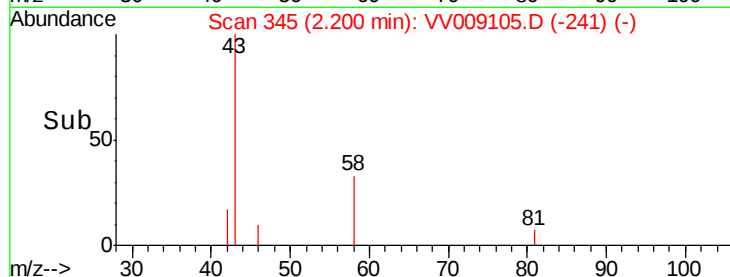
1000

500

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 2.187 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

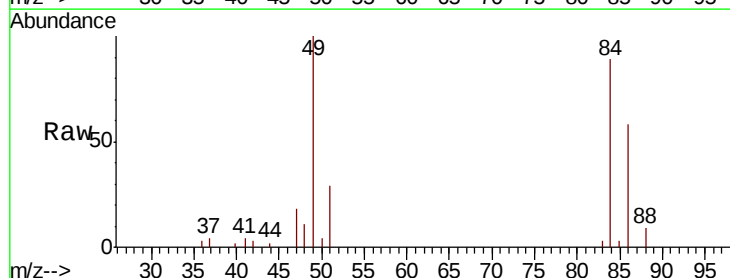
Tgt Ion: 84 Resp: 7606

Ion Ratio Lower Upper

84 100

49 112.1 80.5 149.5

86 65.3 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009105.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009105.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009105.D (-436) (-)

6000

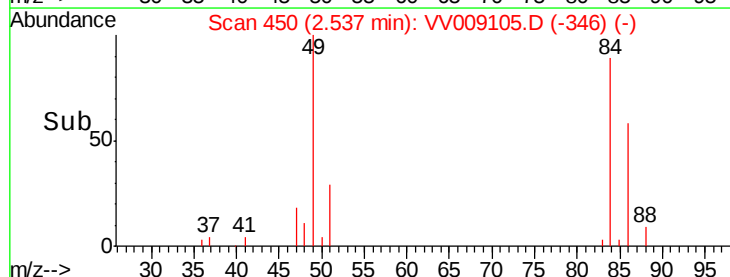
4000

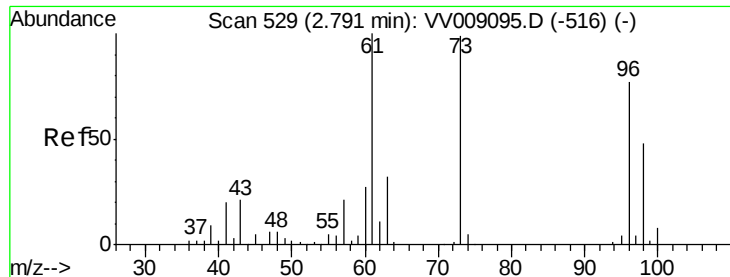
2000

0

2.50 2.55

Time-->





#18

trans-1,2-Dichloroethene

Concen: 1.420 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

Instrument :

MSVOA_V

ClientSampleId :

C0JH3

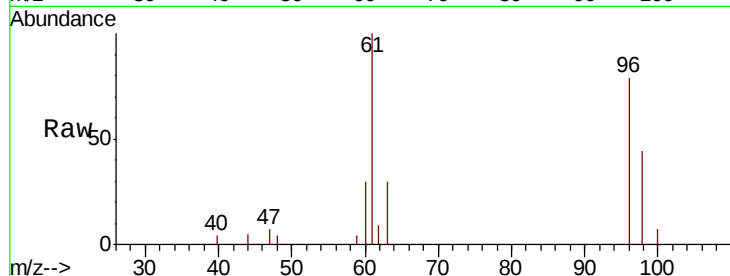
Tgt Ion: 96 Resp: 4083

Ion Ratio Lower Upper

96 100

61 126.4 94.6 175.8

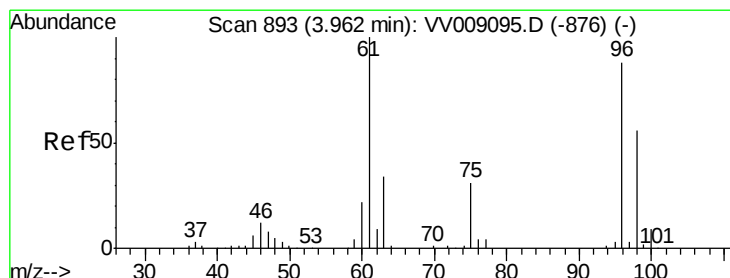
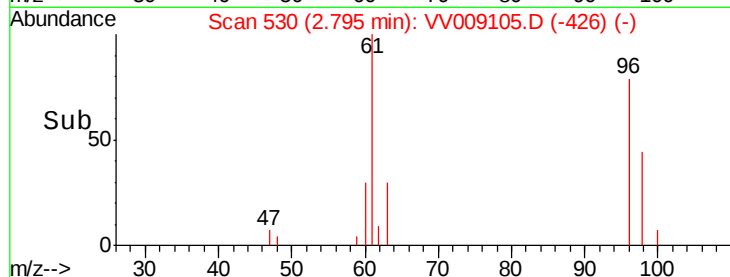
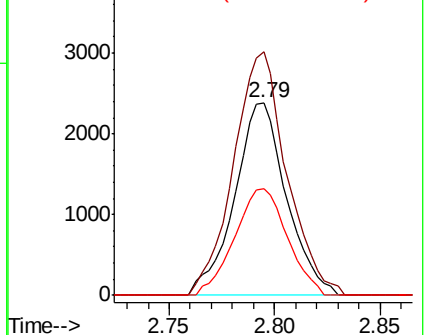
98 55.3 45.3 84.1



Abundance Ion 96.00 (95.70 to 96.70): VV009095.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV009095.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV009095.D (-516) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.120 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

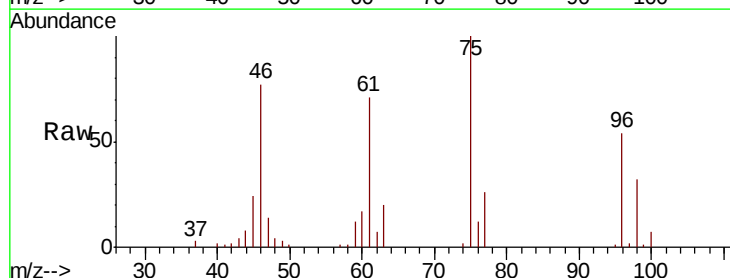
Tgt Ion: 96 Resp: 12356

Ion Ratio Lower Upper

96 100

61 130.6 86.2 160.0

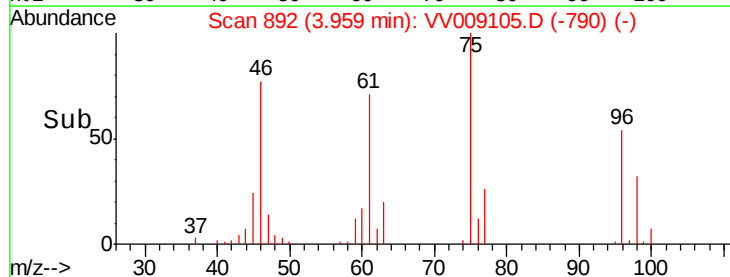
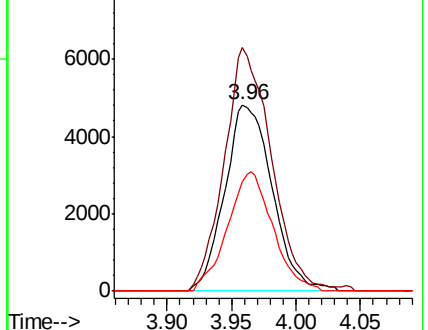
98 58.6 45.6 84.6

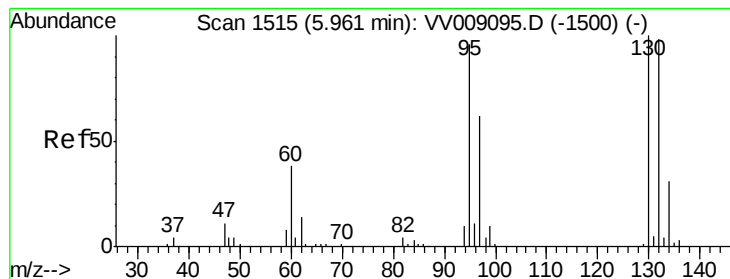


Abundance Ion 96.00 (95.70 to 96.70): VV009095.D (-876) (-)

Ion 61.00 (60.70 to 61.70): VV009095.D (-876) (-)

Ion 98.00 (97.70 to 98.70): VV009095.D (-876) (-)





#35

Trichloroethene

Concen: 30.691 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

Instrument :

MSVOA_V

ClientSampleId :

C0JH3

Tgt Ion: 95 Resp: 94635

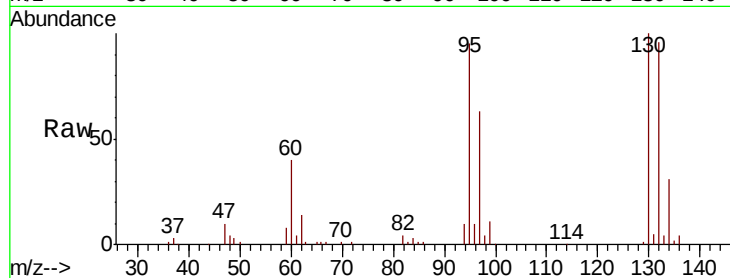
Ion Ratio Lower Upper

95 100

97 65.3 45.3 84.1

132 99.1 70.0 130.0

130 104.2 73.4 136.4



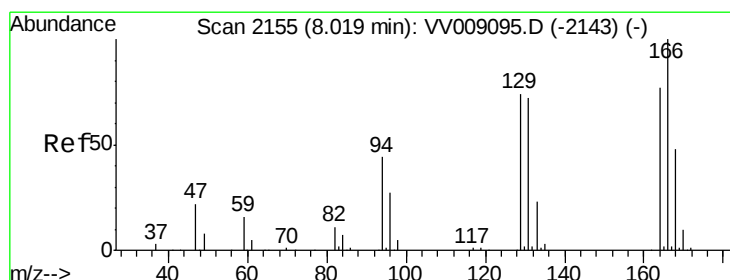
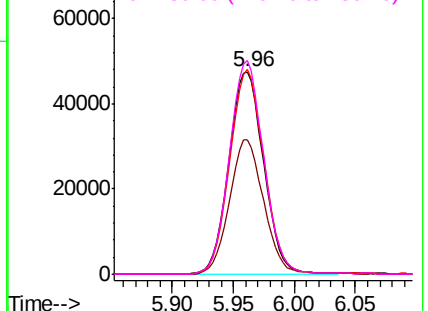
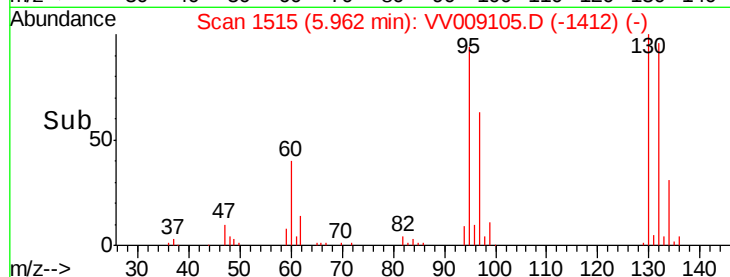
Abundance

Ion 95.00 (94.70 to 95.70): VV009095.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009095.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009095.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009095.D (-1500) (-)



#47

Tetrachloroethene

Concen: 4.464 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

Tgt Ion: 164 Resp: 11194

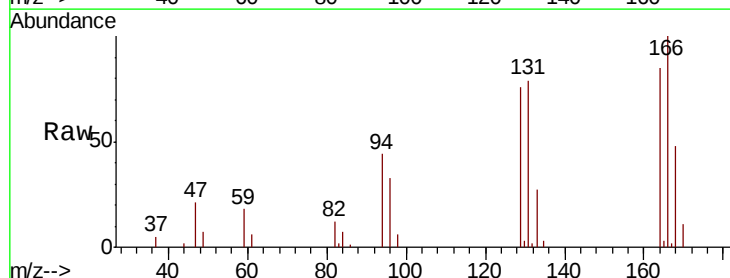
Ion Ratio Lower Upper

164 100

129 89.1 64.6 120.0

131 92.6 64.5 119.7

166 117.1 88.7 164.7



Abundance

Ion 164.00 (163.70 to 164.70): VV009095.D (-2143) (-)

Ion 129.00 (128.70 to 129.70): VV009095.D (-2143) (-)

Ion 131.00 (130.70 to 131.70): VV009095.D (-2143) (-)

Ion 166.00 (165.70 to 166.70): VV009095.D (-2143) (-)

