

Data File : VV009951.D
Acq On : 28 Mar 2019 02:32
Operator : SY/MD
Sample : K2101-14
Misc : 5.65G/10mL/MSVOA_V/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0E5

Quant Time: Mar 29 13:38:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 07:17:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	127072	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	119925	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46088	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	65914	25.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.24%
7) Chloroethane-d5	1.55	69	74096	26.60	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.40%
10) 1,1-Dichloroethene-d2	2.11	63	110273	15.63	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.52%
20) 2-Butanone-d5	3.92	46	47217	98.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	196.52%#
24) Chloroform-d	4.39	84	75807	23.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.68%
26) 1,2-Dichloroethane-d4	5.07	65	54306	27.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.48%
29) Benzene-d6	5.09	84	171662	27.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.04%
33) 1,2-Dichloropropane-d6	6.11	67	51048	27.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.84%
37) Toluene-d8	7.36	98	146647	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.40%
38) trans-1,3-Dichloropropene-	7.66	79	16055	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.20%
39) 2-Hexanone-d5	8.13	63	30293	88.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	176.16%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54210	29.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.88%
61) 1,2-Dichlorobenzene-d4	11.68	152	44354	25.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.12%

Target Compounds

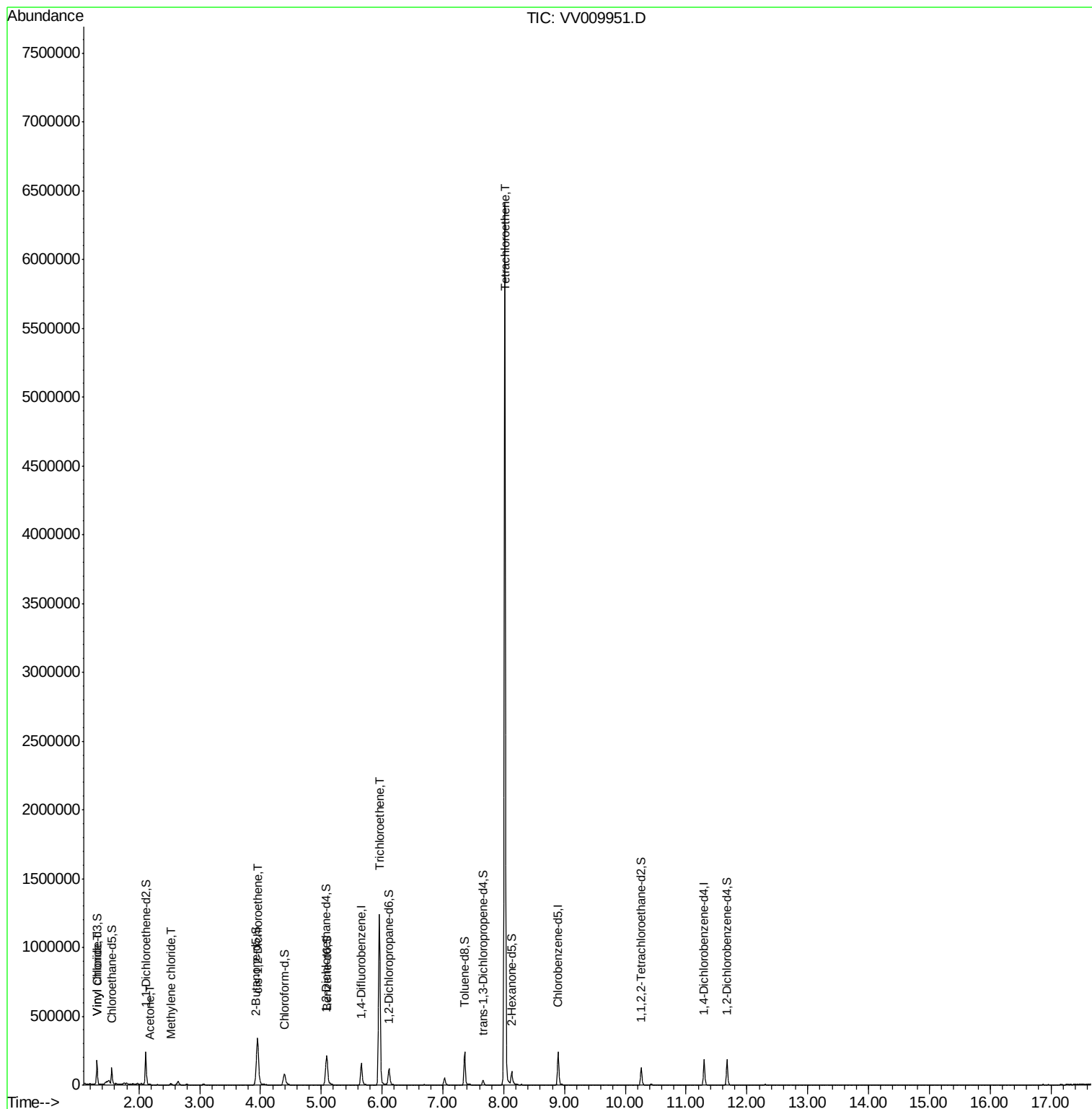
					Qvalue
5) Vinyl chloride	1.32	62	27814	9.409 ug/L	91
13) Acetone	2.19	43	1984	2.727 ug/L	96
16) Methylene chloride	2.53	84	3138	1.500 ug/L	86
22) cis-1,2-Dichloroethene	3.95	96	178022	96.833 ug/L	92
35) Trichloroethene	5.96	95	384720	221.474 ug/L	98
47) Tetrachloroethene	8.02	164	1147355	837.027 ug/L	95

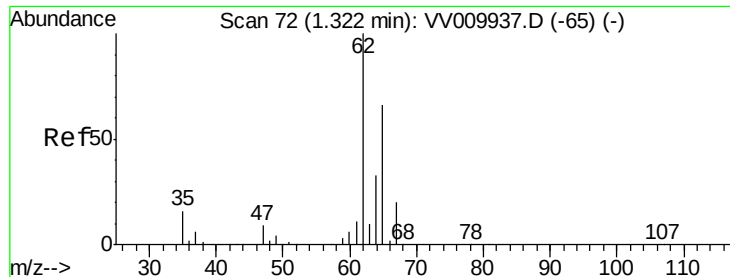
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.409 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

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Acq: 28 Mar 2019 02:32

Instrument :

MSVOA_V

ClientSampleId :

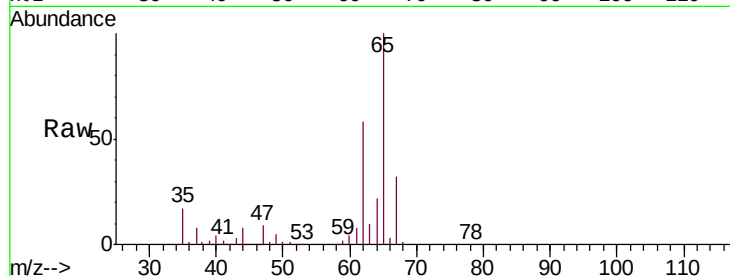
BF0E5

Tgt Ion: 62 Resp: 27814

Ion Ratio Lower Upper

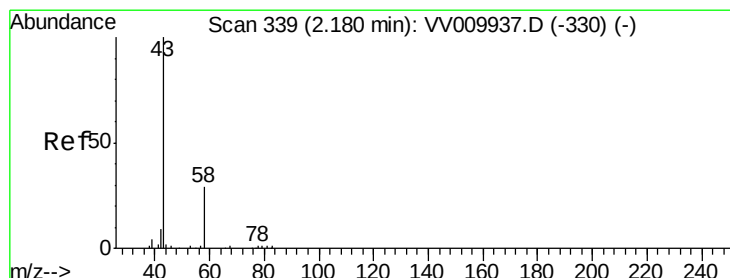
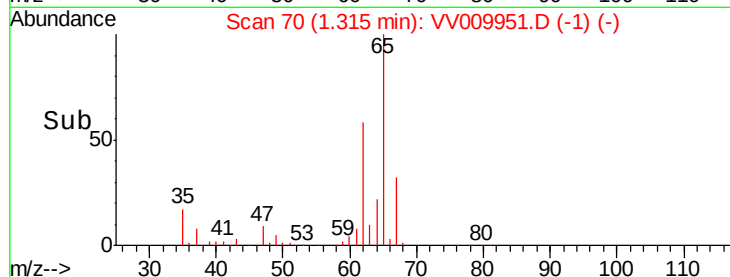
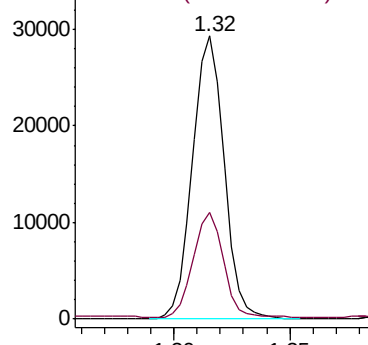
62 100

64 37.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV009937.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009951.D (-236) (-)



#13

Acetone

Concen: 2.727 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV009951.D

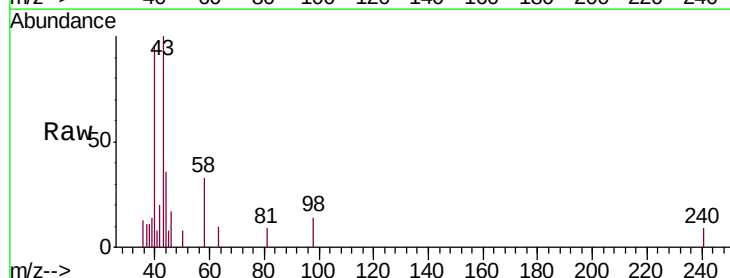
Acq: 28 Mar 2019 02:32

Tgt Ion: 43 Resp: 1984

Ion Ratio Lower Upper

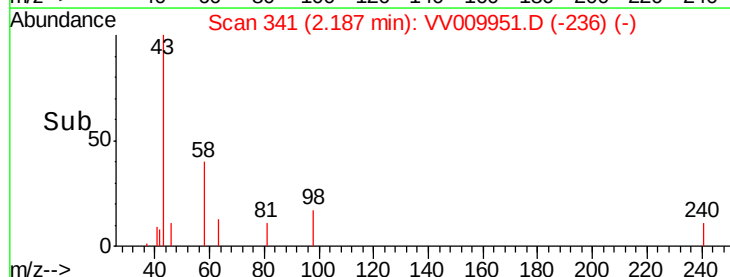
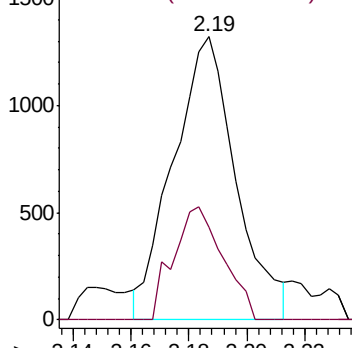
43 100

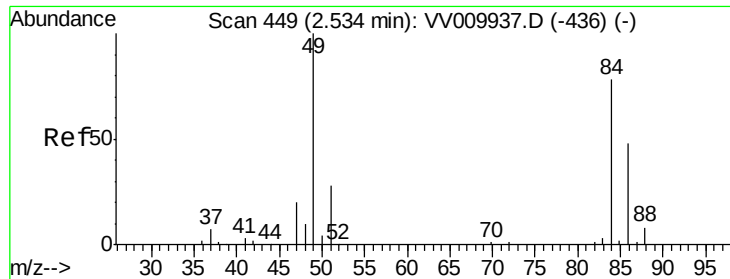
58 31.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009937.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV009951.D (-236) (-)

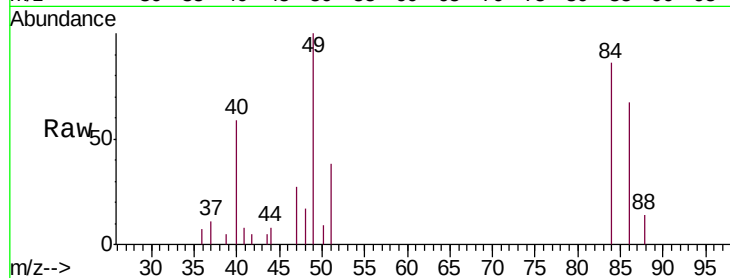




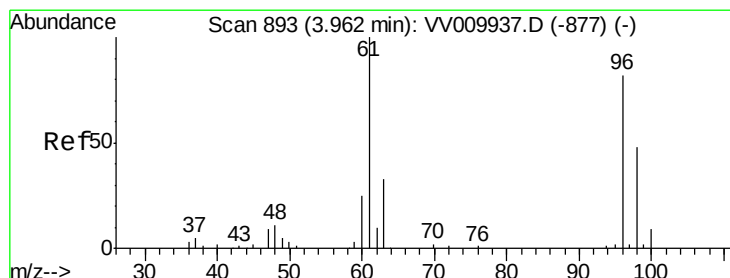
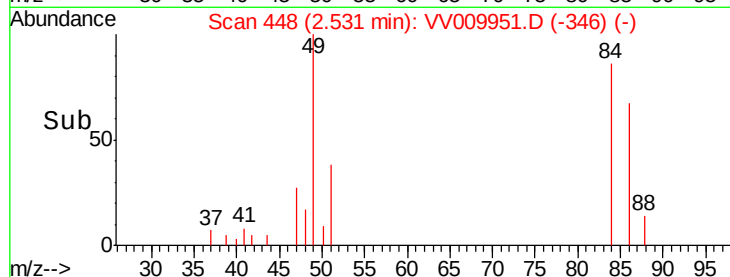
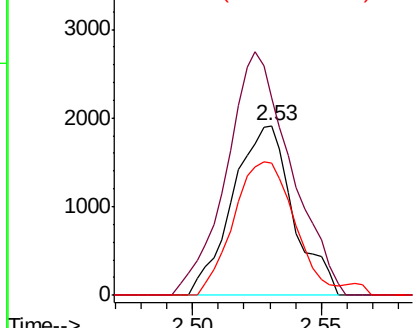
#16
Methylene chloride
Concen: 1.500 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV009951.D
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Instrument :
MSVOA_V
ClientSampleId :
BF0E5

Tgt Ion: 84 Resp: 3138
Ion Ratio Lower Upper
84 100
49 116.5 90.4 167.8
86 78.0 44.0 81.6

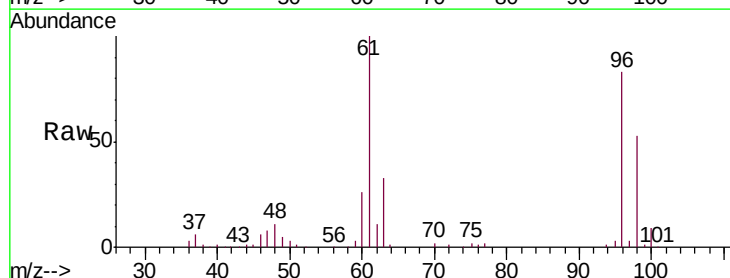


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

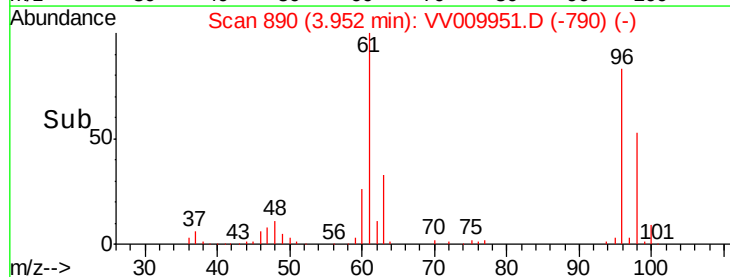
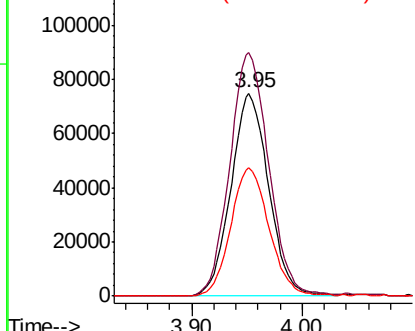


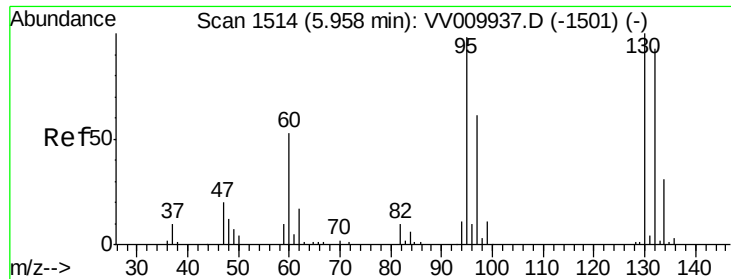
#22
cis-1,2-Dichloroethene
Concen: 96.833 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.01 min
Lab File: VV009951.D
Acq: 28 Mar 2019 02:32

Tgt Ion: 96 Resp: 178022
Ion Ratio Lower Upper
96 100
61 120.0 91.4 169.8
98 63.2 48.0 89.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#35

Trichloroethene

Concen: 221.474 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

Instrument :

MSVOA_V

ClientSampleId :

BF0E5

Tgt Ion: 95 Resp: 384720

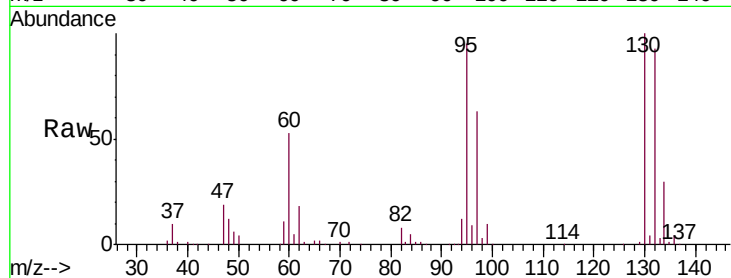
Ion Ratio Lower Upper

95 100

97 65.7 46.3 85.9

132 97.7 69.3 128.7

130 102.9 69.5 129.1

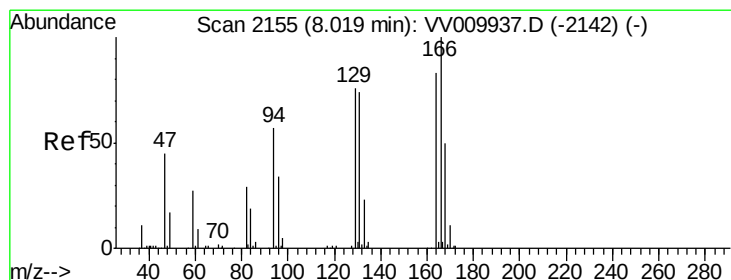
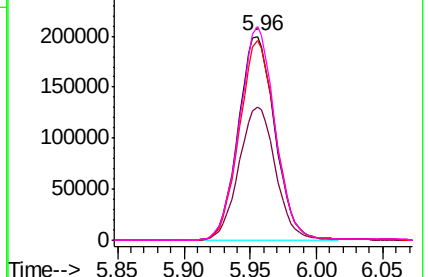
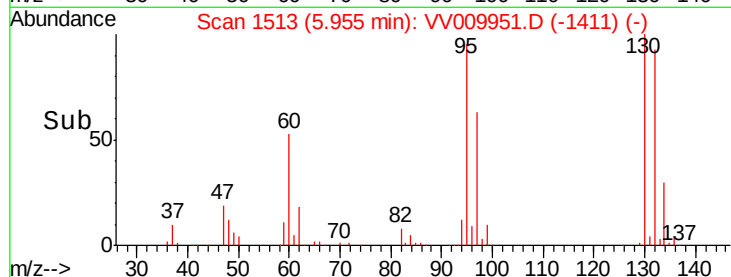


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#47

Tetrachloroethene

Concen: 837.027 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009951.D

Acq: 28 Mar 2019 02:32

Tgt Ion: 164 Resp: 1147355

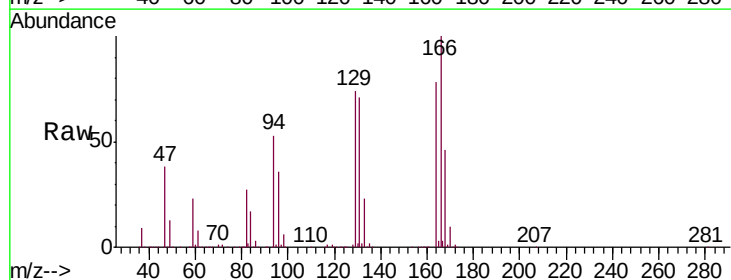
Ion Ratio Lower Upper

164 100

129 95.0 64.9 120.5

131 91.3 62.0 115.2

166 128.1 82.9 153.9



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

