

Data File : VV009954.D
Acq On : 28 Mar 2019 03:50
Operator : SY/MD
Sample : K2101-17
Misc : 3.54G/10mL/MSVOA_V/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0F7

Quant Time: Mar 28 07:23:12 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	179726	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	173555	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63946	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	76313	20.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.68%
7) Chloroethane-d5	1.55	69	96324	24.45	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.80%
10) 1,1-Dichloroethene-d2	2.11	63	127187	12.75	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.00%
20) 2-Butanone-d5	3.92	46	29507	43.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.84%
24) Chloroform-d	4.39	84	96522	21.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.32%
26) 1,2-Dichloroethane-d4	5.07	65	70647	25.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.56%
29) Benzene-d6	5.09	84	247552	27.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.64%
33) 1,2-Dichloropropane-d6	6.11	67	77091	28.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.64%
37) Toluene-d8	7.36	98	213877	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.16%
38) trans-1,3-Dichloropropene-	7.66	79	21851	20.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.12%
39) 2-Hexanone-d5	8.13	63	19871	39.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54484	20.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	64176	26.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.44%

Target Compounds

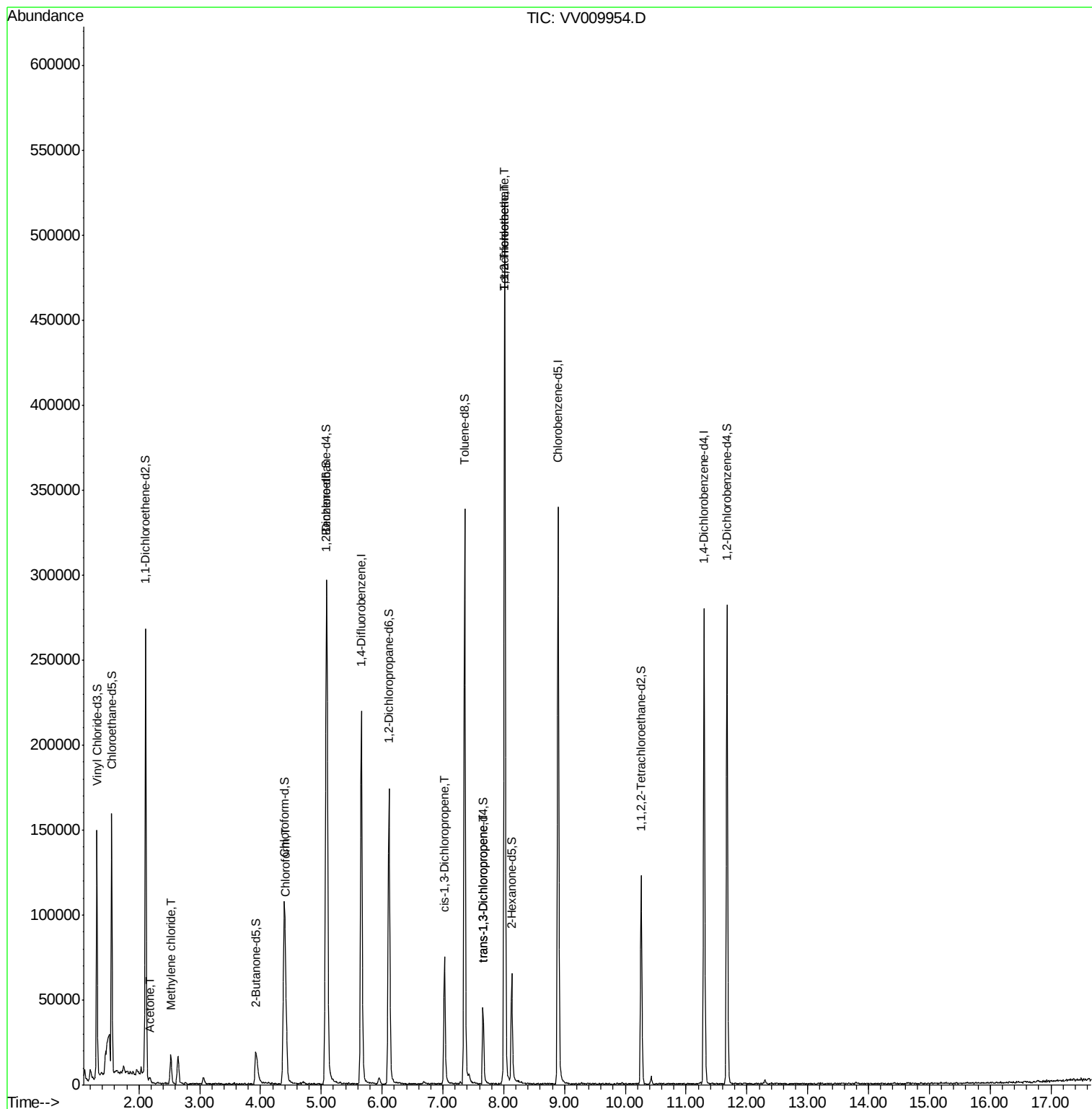
					Qvalue
13) Acetone	2.18	43	1682	1.635 ug/L	67
16) Methylene chloride	2.52	84	6704	2.265 ug/L	94
25) Chloroform	4.42	83	29529	6.201 ug/L	98
42) cis-1,3-Dichloropropene	7.03	75	2463	0.709 ug/L #	74
45) trans-1,3-Dichloropropene	7.66	75	1516	0.533 ug/L #	69
46) 1,1,2-Trichloroethane	8.02	97	958	0.486 ug/L #	15
47) Tetrachloroethene	8.02	164	98472	49.639 ug/L	91

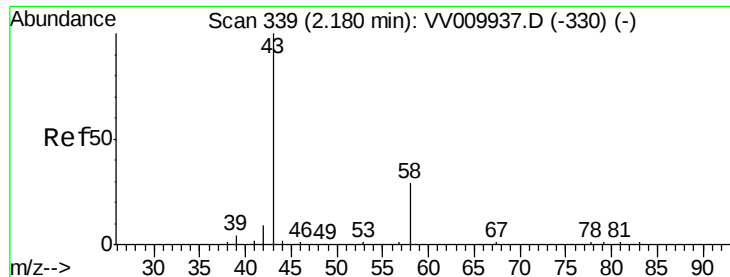
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.635 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV009954.D

Acq: 28 Mar 2019 03:50

Instrument :

MSVOA_V

ClientSampleId :

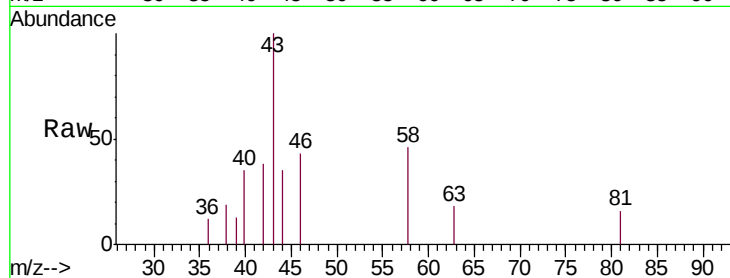
BF0F7

Tgt Ion: 43 Resp: 1682

Ion Ratio Lower Upper

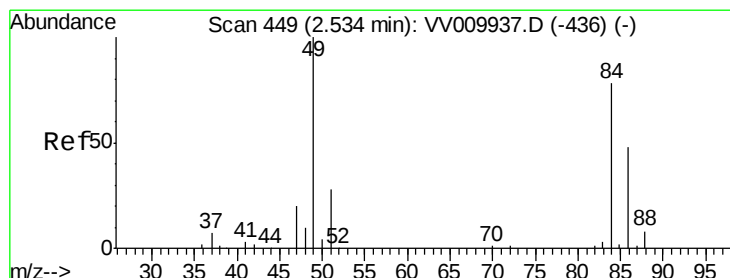
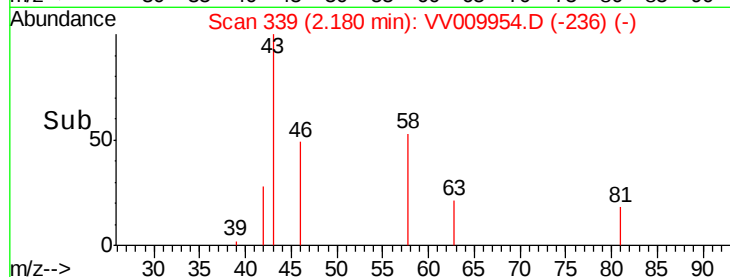
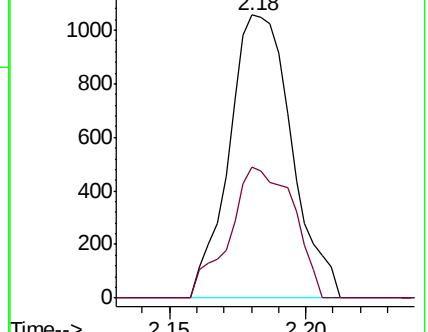
43 100

58 47.4 0.0 59.4



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

Ion 58.00 (57.70 to 58.70): VV009937.D (-330) (-)



#16

Methylene chloride

Concen: 2.265 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.01 min

Lab File: VV009954.D

Acq: 28 Mar 2019 03:50

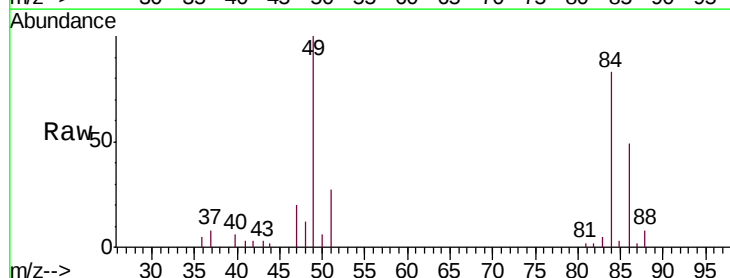
Tgt Ion: 84 Resp: 6704

Ion Ratio Lower Upper

84 100

49 120.6 90.4 167.8

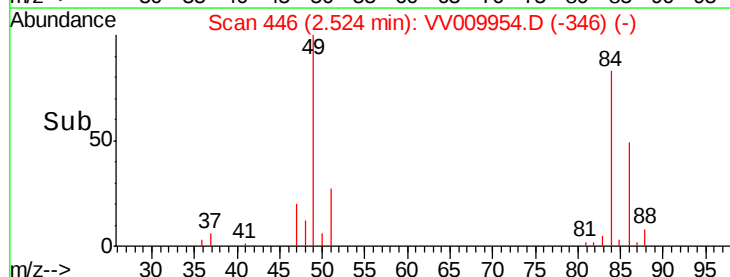
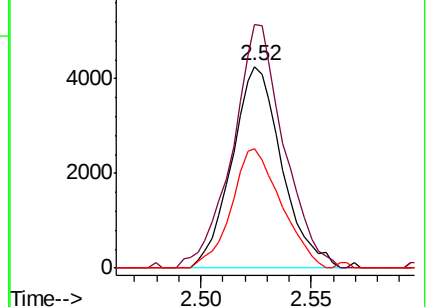
86 59.3 44.0 81.6

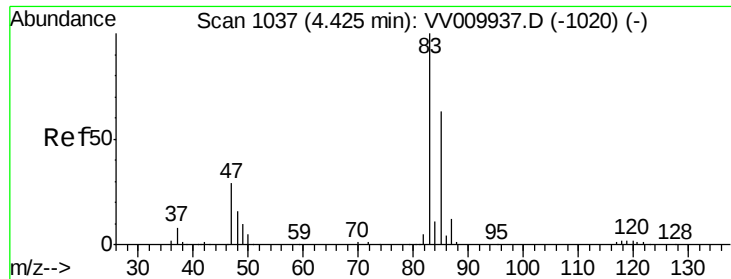


Abundance Ion 84.00 (83.70 to 84.70): VV009937.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009937.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009937.D (-436) (-)

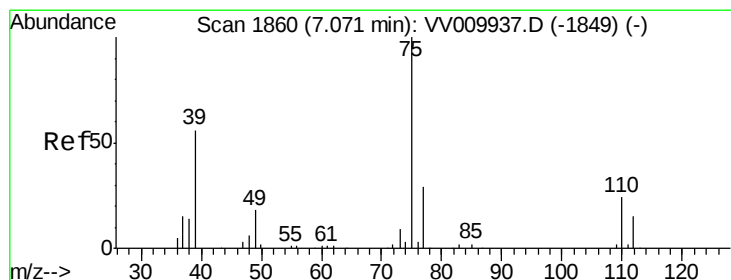
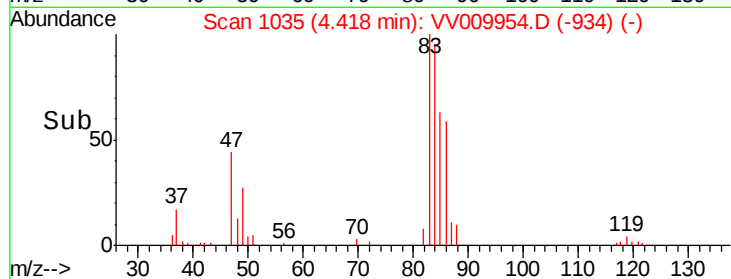
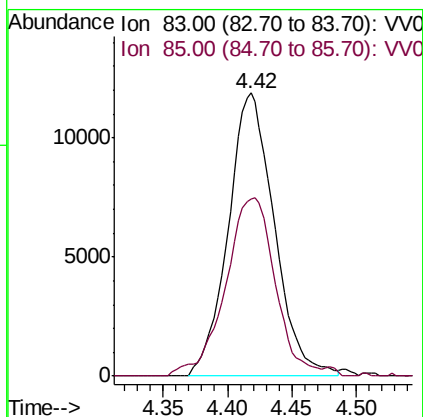
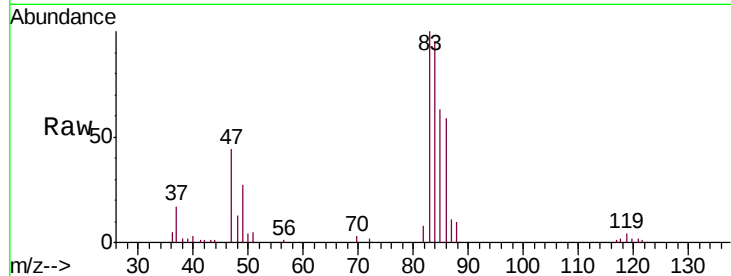




#25
Chloroform
Concen: 6.201 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV009954.D
Acq: 28 Mar 2019 03:50

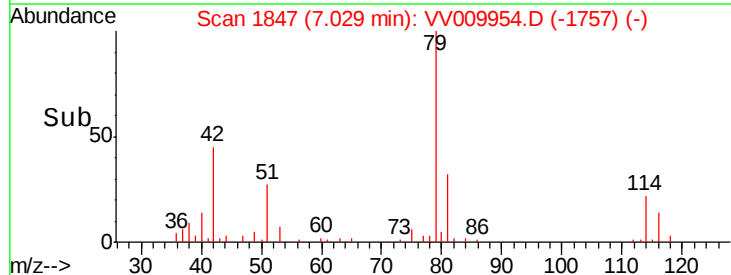
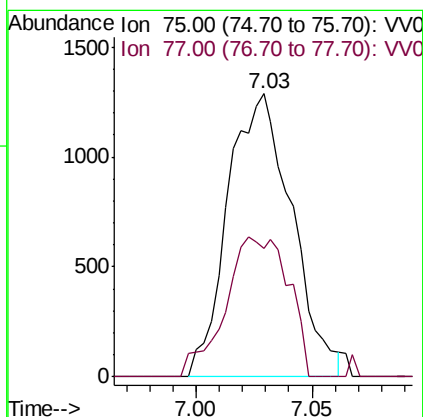
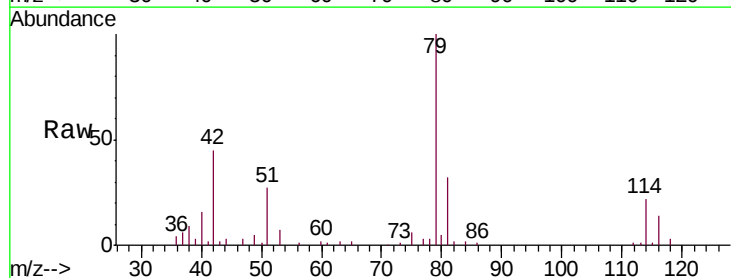
Instrument :
MSVOA_V
ClientSampled :
BF0F7

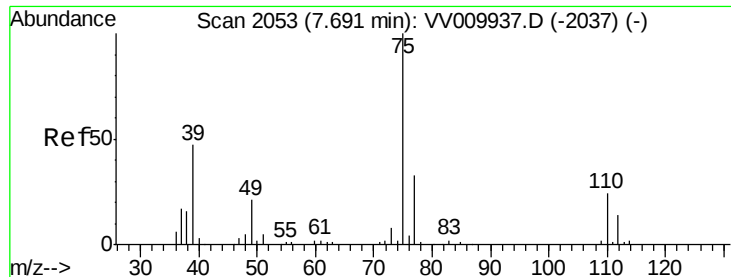
Tgt Ion: 83 Resp: 29529
Ion Ratio Lower Upper
83 100
85 67.6 46.1 85.7



#42
cis-1,3-Dichloropropene
Concen: 0.709 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009954.D
Acq: 28 Mar 2019 03:50

Tgt Ion: 75 Resp: 2463
Ion Ratio Lower Upper
75 100
77 45.5 21.8 40.6#





#45

trans-1,3-Dichloropropene

Concen: 0.533 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009954.D

Acq: 28 Mar 2019 03:50

Instrument :

MSVOA_V

ClientSampleId :

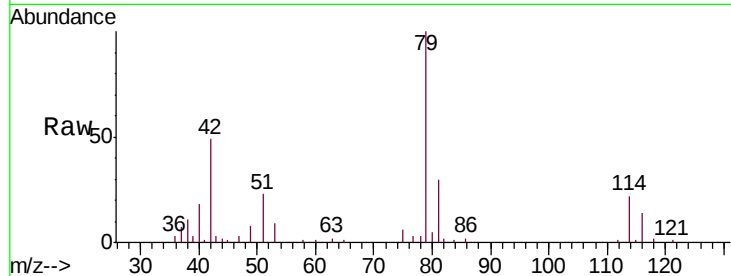
BF0F7

Tgt Ion: 75 Resp: 1516

Ion Ratio Lower Upper

75 100

77 46.3 20.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.66

800

600

400

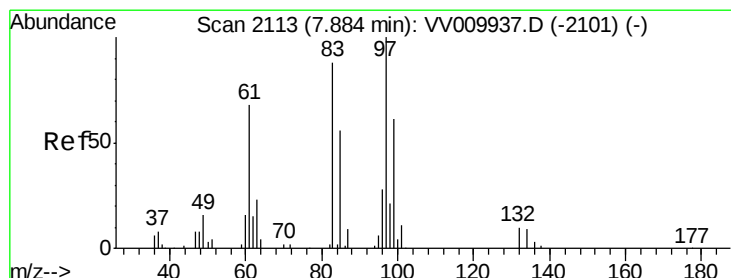
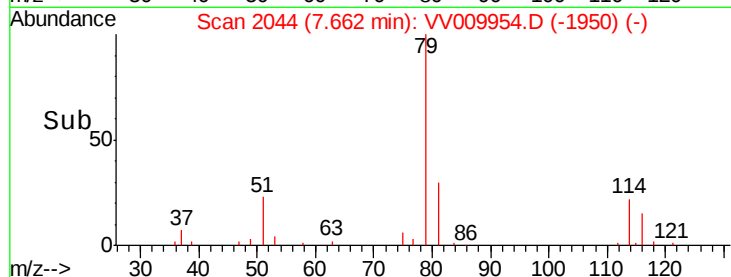
200

0

7.65

7.70

Time-->



#46

1,1,2-Trichloroethane

Concen: 0.486 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV009954.D

Acq: 28 Mar 2019 03:50

Tgt Ion: 97 Resp: 958

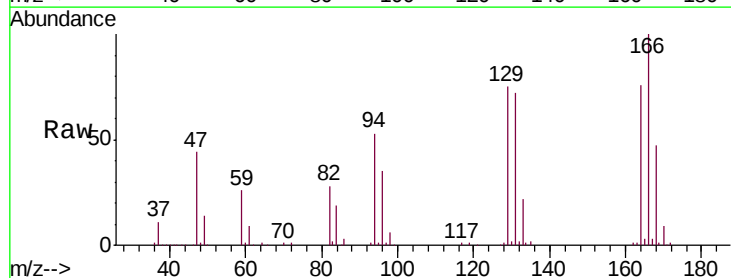
Ion Ratio Lower Upper

97 100

83 231.8 59.6 110.8#

85 49.2 39.2 72.8

99 23.4 42.6 79.2#



Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

2000

1500

1000

500

0

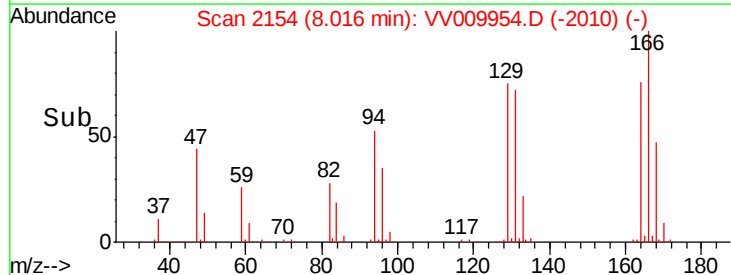
7.98

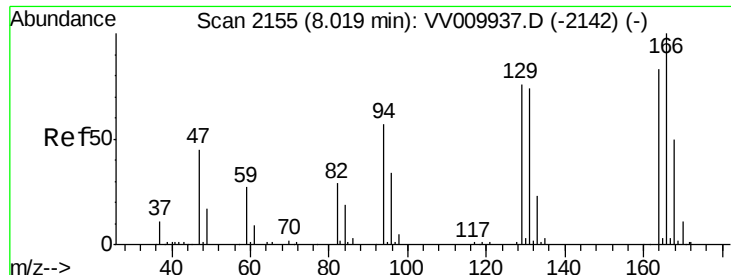
8.00

8.02

8.04

Time-->





#47

Tetrachloroethene

Concen: 49.639 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009954.D

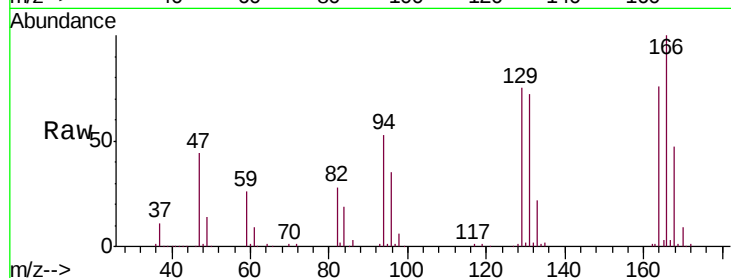
Acq: 28 Mar 2019 03:50

Instrument :

MSVOA_V

ClientSampleId :

BF0F7



Tgt Ion:164 Resp: 98472

Ion Ratio Lower Upper

164 100

129 99.4 64.9 120.5

131 94.3 62.0 115.2

166 131.8 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

