

Data File : VV009949.D
Acq On : 28 Mar 2019 01:40
Operator : SY/MD
Sample : K2101-12
Misc : 5.55G/10mL/MSVOA_V/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0B7

Quant Time: Mar 28 07:22:07 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	170886	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	172344	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65991	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	78361	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
7) Chloroethane-d5	1.56	69	89192	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.24%
10) 1,1-Dichloroethene-d2	2.12	63	108976	11.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	45.96%
20) 2-Butanone-d5	4.04	46	292	0.45	ug/L	0.11
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.90%#
24) Chloroform-d	4.39	84	112044	25.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.96%
26) 1,2-Dichloroethane-d4	5.07	65	76070	29.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.12%
29) Benzene-d6	5.09	84	241669	26.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.80%
33) 1,2-Dichloropropane-d6	6.11	67	75019	28.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.32%
37) Toluene-d8	7.36	98	207877	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.08%
38) trans-1,3-Dichloropropene-	7.66	79	24690	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.16%
39) 2-Hexanone-d5	8.13	63	25995	52.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62275	23.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	67372	26.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.28%

Target Compounds

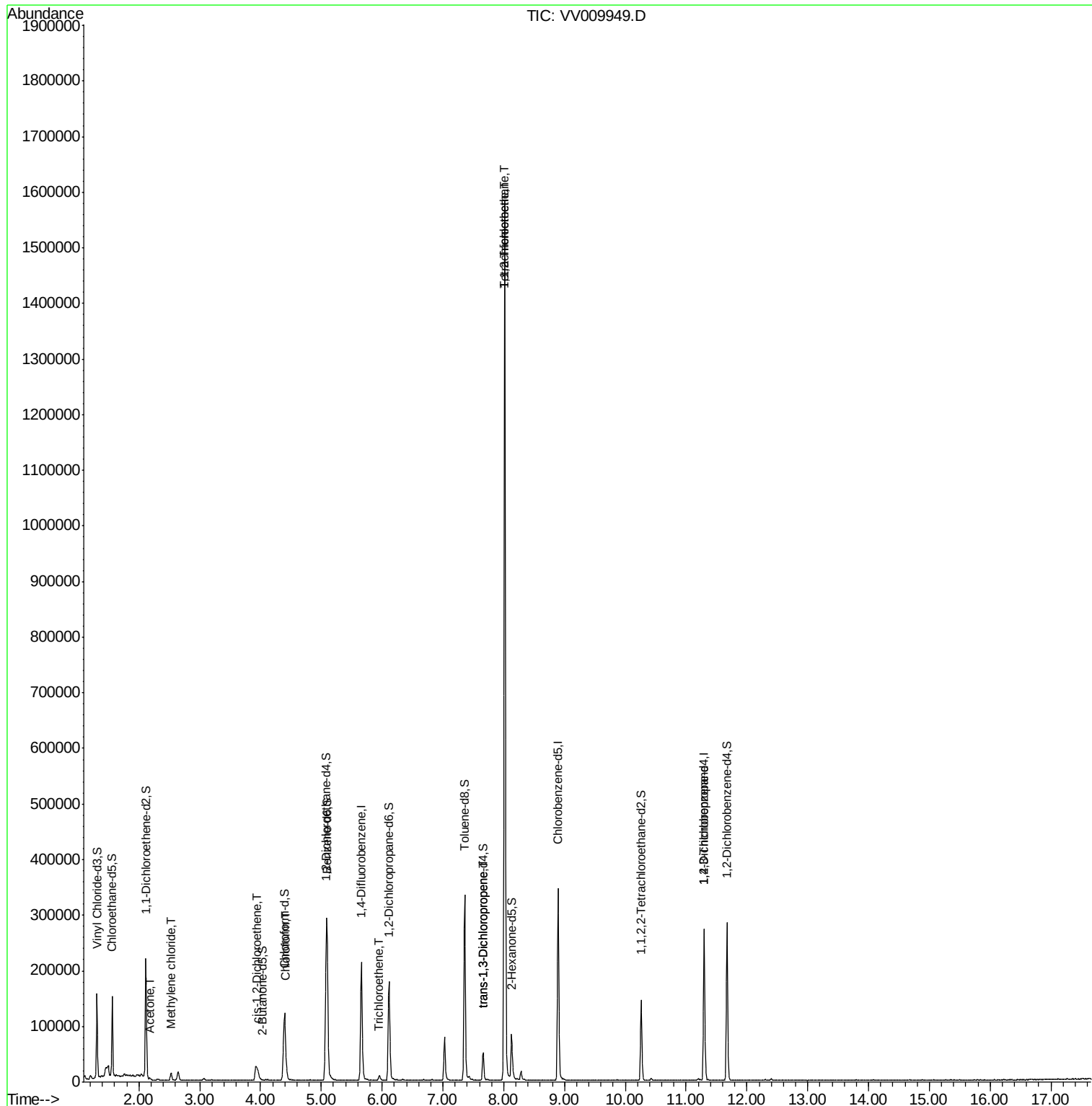
						Qvalue
13) Acetone	2.18	43	2217	2.266	ug/L	95
16) Methylene chloride	2.53	84	5769	2.050	ug/L	81
22) cis-1,2-Dichloroethene	3.95	96	2137	0.864	ug/L	88
25) Chloroform	4.41	83	6690	1.478	ug/L #	1
35) Trichloroethene	5.96	95	2120	0.849	ug/L #	80
45) trans-1,3-Dichloropropene	7.67	75	1509	0.535	ug/L #	66
46) 1,1,2-Trichloroethane	8.02	97	3115	1.593	ug/L #	1
47) Tetrachloroethene	8.02	164	296586	150.559	ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	11303	5.940	ug/L	96

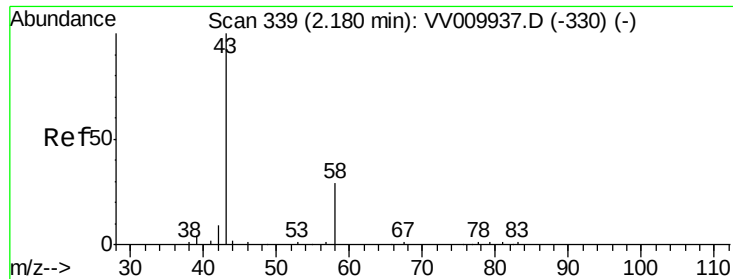
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 28 07:17:22 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.266 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV009949.D

Acq: 28 Mar 2019 01:40

Instrument :

MSVOA_V

ClientSampleId :

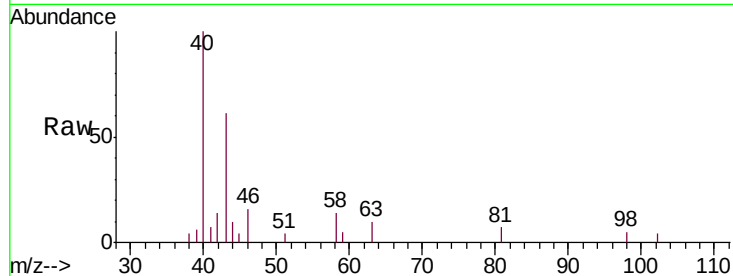
BF0B7

Tgt Ion: 43 Resp: 2217

Ion Ratio Lower Upper

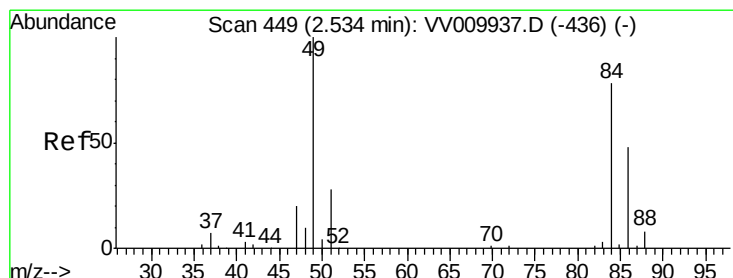
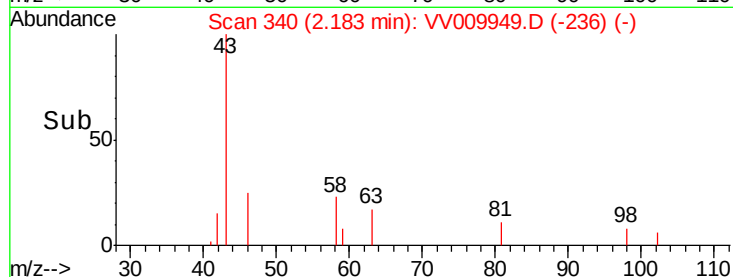
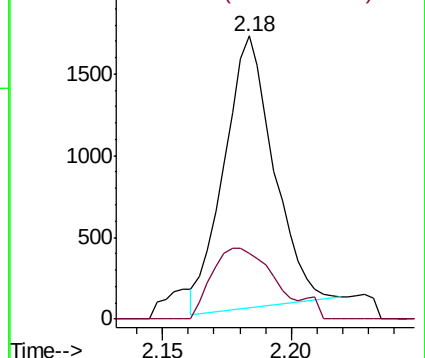
43 100

58 32.3 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: 2.050 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV009949.D

Acq: 28 Mar 2019 01:40

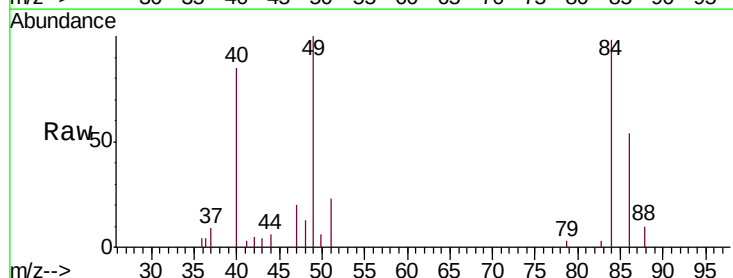
Tgt Ion: 84 Resp: 5769

Ion Ratio Lower Upper

84 100

49 101.9 90.4 167.8

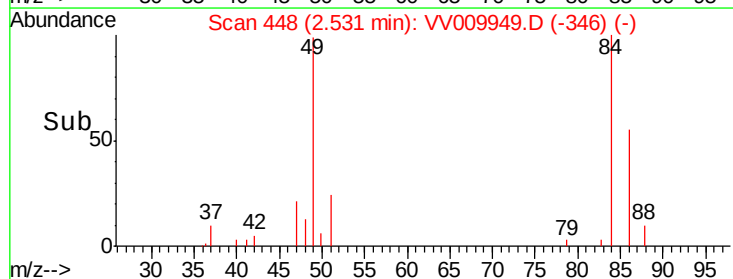
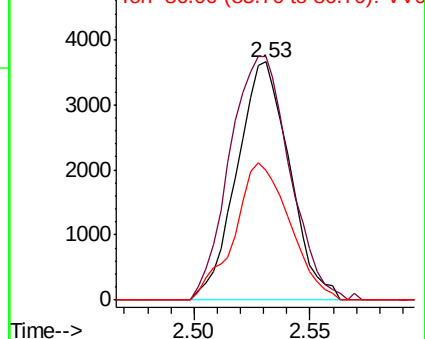
86 54.7 44.0 81.6

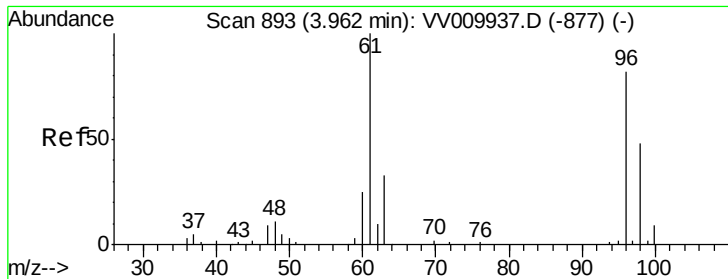


Abundance Ion 84.00 (83.70 to 84.70): VV009937.D (-436) (-)

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

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



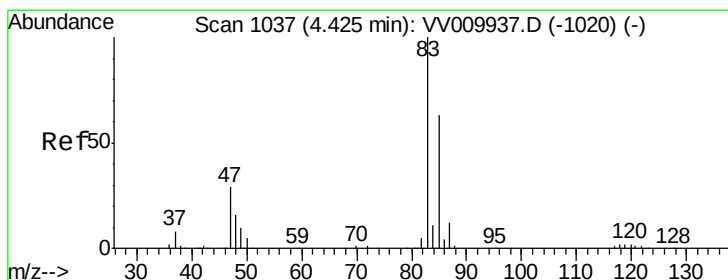
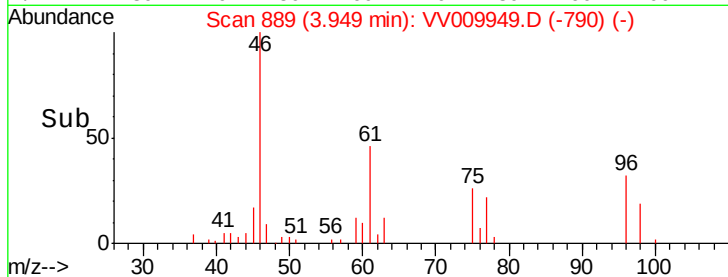
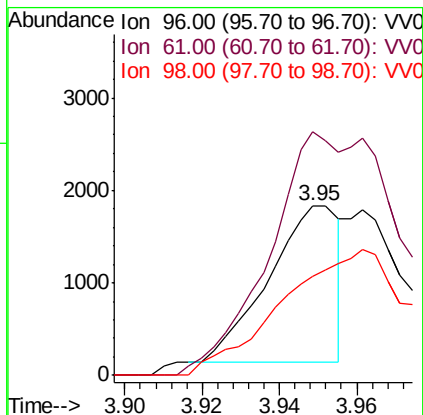
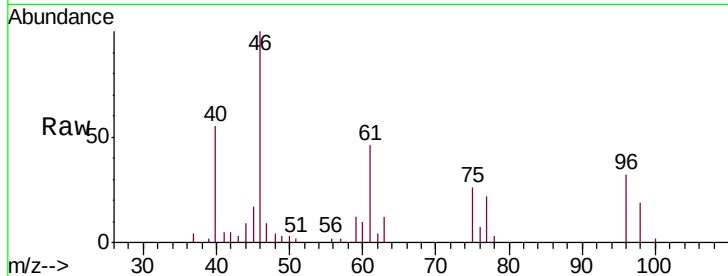


#22

cis-1,2-Dichloroethene
 Concen: 0.864 ug/L
 RT: 3.95 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: VV009949.D
 Acq: 28 Mar 2019 01:40

Instrument :
 MSVOA_V
 ClientSampled :
 BF0B7

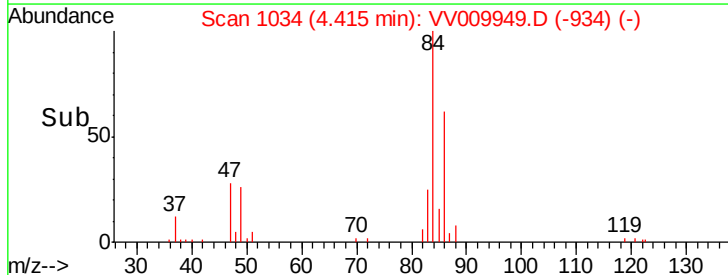
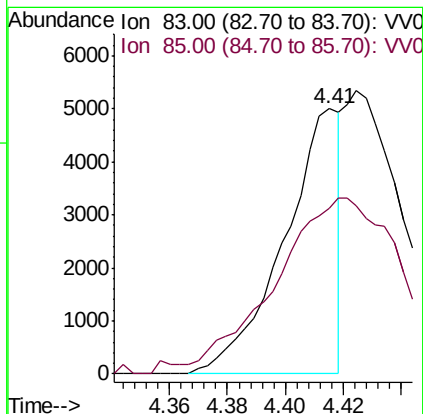
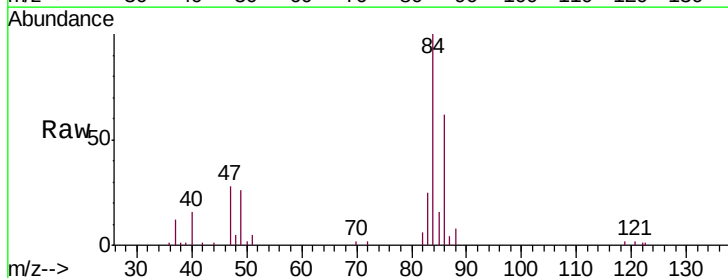
Tgt Ion: 96 Resp: 2137
 Ion Ratio Lower Upper
 96 100
 61 143.7 91.4 169.8
 98 58.4 48.0 89.2

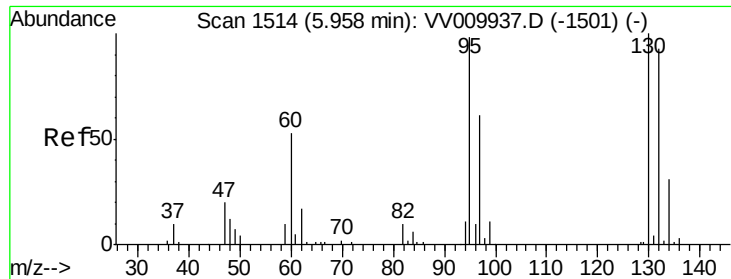


#25

Chloroform
 Concen: 1.478 ug/L
 RT: 4.41 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VV009949.D
 Acq: 28 Mar 2019 01:40

Tgt Ion: 83 Resp: 6690
 Ion Ratio Lower Upper
 83 100
 85 147.5 46.1 85.7#





#35

Trichloroethene

Concen: 0.849 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009949.D

Acq: 28 Mar 2019 01:40

Instrument :

MSVOA_V

ClientSampleId :

BF0B7

Tgt Ion: 95 Resp: 2120

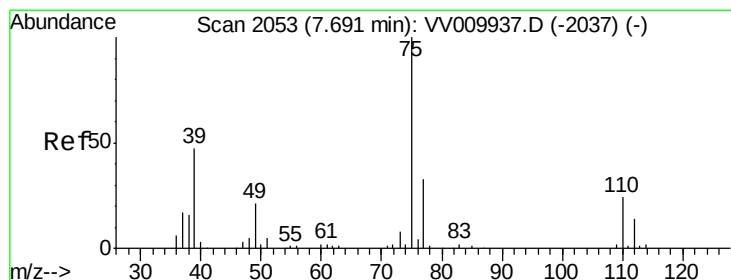
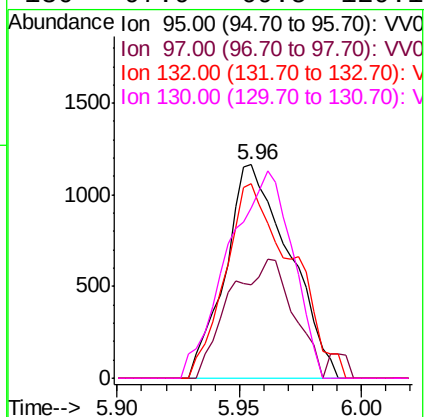
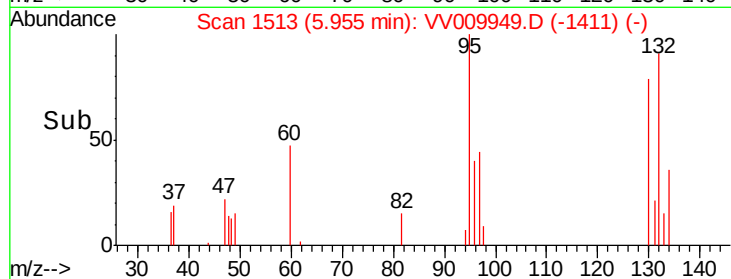
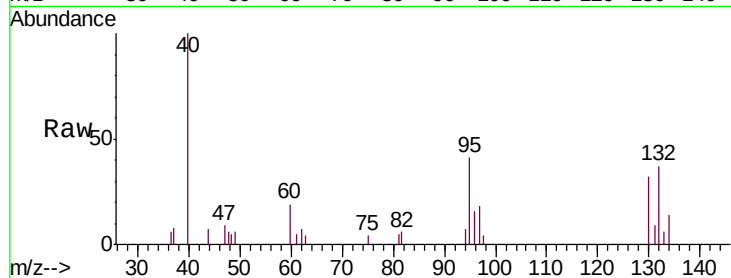
Ion Ratio Lower Upper

95 100

97 31.3 46.3 85.9#

132 77.1 69.3 128.7

130 97.9 69.5 129.1



#45

trans-1,3-Dichloropropene

Concen: 0.535 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009949.D

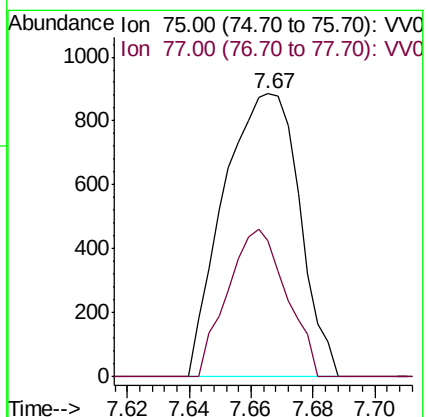
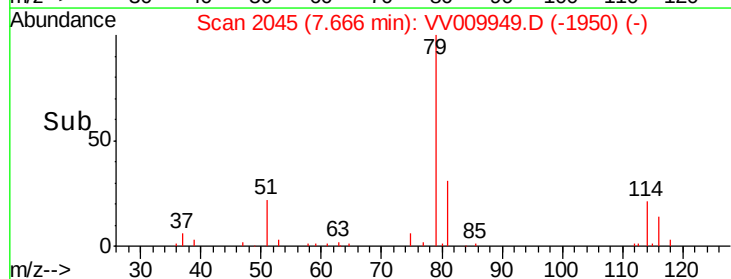
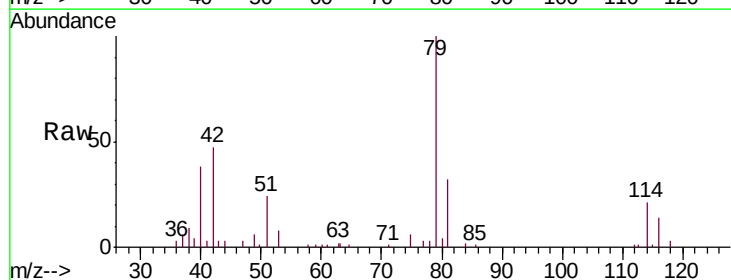
Acq: 28 Mar 2019 01:40

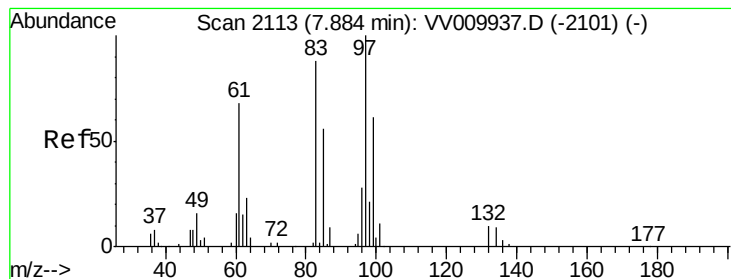
Tgt Ion: 75 Resp: 1509

Ion Ratio Lower Upper

75 100

77 48.1 20.7 38.5#





#46

1,1,2-Trichloroethane

Concen: 1.593 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV009949.D

Acq: 28 Mar 2019 01:40

Instrument :

MSVOA_V

ClientSampleId :

BF0B7

Tgt Ion: 97 Resp: 3115

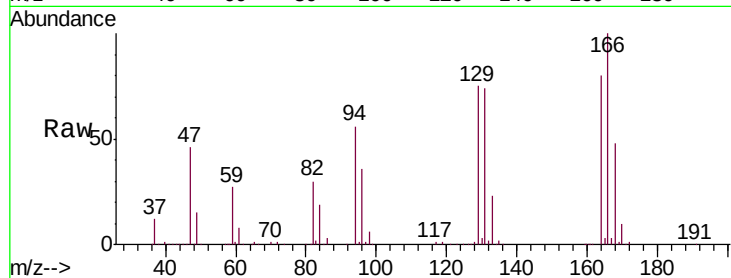
Ion Ratio Lower Upper

97 100

83 263.5 59.6 110.8#

85 58.4 39.2 72.8

99 18.6 42.6 79.2#



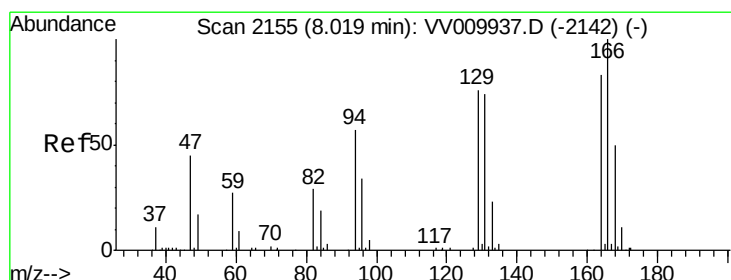
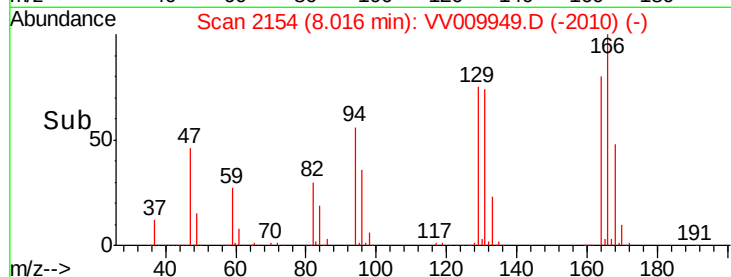
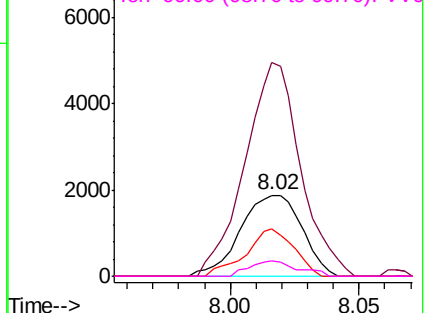
Abundance

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



#47

Tetrachloroethene

Concen: 150.559 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009949.D

Acq: 28 Mar 2019 01:40

Tgt Ion: 164 Resp: 296586

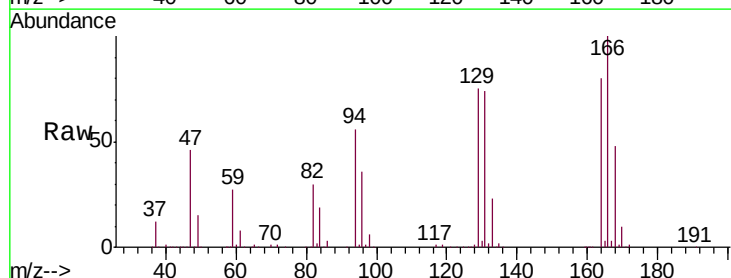
Ion Ratio Lower Upper

164 100

129 93.3 64.9 120.5

131 92.0 62.0 115.2

166 124.9 82.9 153.9



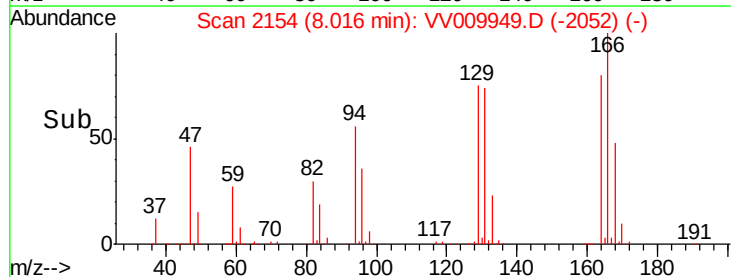
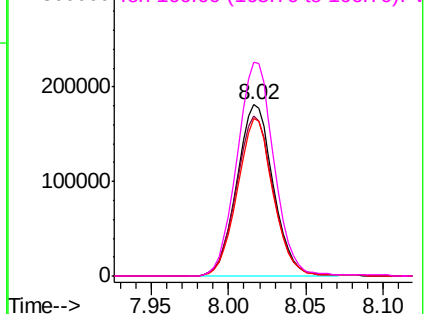
Abundance

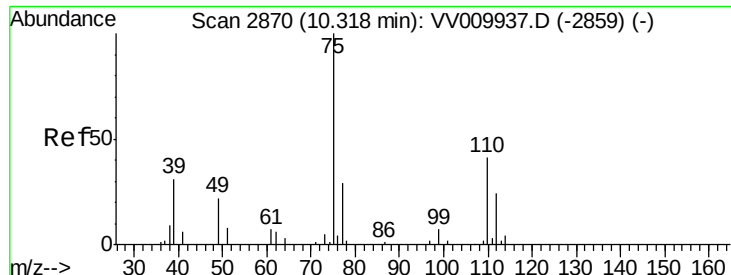
Ion 164.00 (163.70 to 164.70): V

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





#59

1,2,3-Trichloropropane

Concen: 5.940 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009949.D

Acq: 28 Mar 2019 01:40

Instrument :

MSVOA_V

ClientSampleId :

BF0B7

Tgt Ion: 75 Resp: 11303

Ion Ratio Lower Upper

75 100

77 34.9 26.2 39.2

