

Data File : VV009955.D
Acq On : 28 Mar 2019 04:17
Operator : SY/MD
Sample : K2101-18
Misc : 4.45G/10mL/MSVOA_V/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0G6

Quant Time: Mar 28 07:23:23 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	112632	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	114741	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	40854	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37218	16.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.12%
7) Chloroethane-d5	1.55	69	54351	22.02	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.08%
10) 1,1-Dichloroethene-d2	2.11	63	64344	10.29	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	41.16%#
20) 2-Butanone-d5	3.92	46	28100	65.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.96%
24) Chloroform-d	4.39	84	68287	23.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.07	65	52293	30.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.12%
29) Benzene-d6	5.09	84	147804	24.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.12%
33) 1,2-Dichloropropane-d6	6.11	67	49423	28.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.16%
37) Toluene-d8	7.36	98	124952	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.64%
38) trans-1,3-Dichloropropene-	7.66	79	15864	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.00%
39) 2-Hexanone-d5	8.13	63	19150	58.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	46228	26.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.96%
61) 1,2-Dichlorobenzene-d4	11.67	152	39975	25.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.80%

Target Compounds

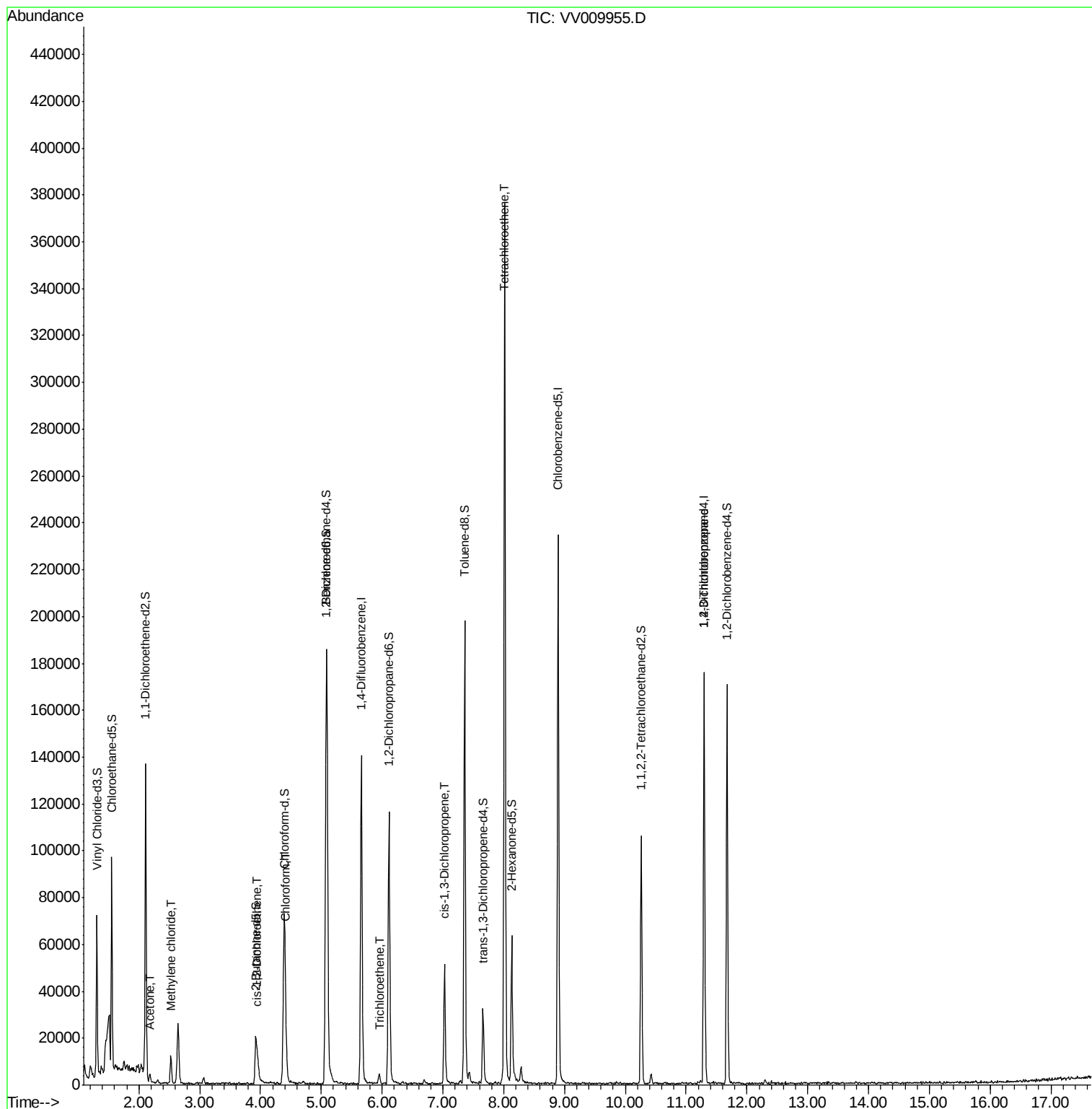
						Qvalue
13) Acetone	2.18	43	2765	4.288	ug/L	98
16) Methylene chloride	2.52	84	4509	2.431	ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	630	0.387	ug/L	76
25) Chloroform	4.42	83	10056	3.370	ug/L	96
35) Trichloroethene	5.96	95	1130	0.680	ug/L	89
42) cis-1,3-Dichloropropene	7.02	75	781	0.340	ug/L #	75
47) Tetrachloroethene	8.02	164	70641	53.863	ug/L	92
59) 1,2,3-Trichloropropane	11.30	75	6450	5.092	ug/L	89

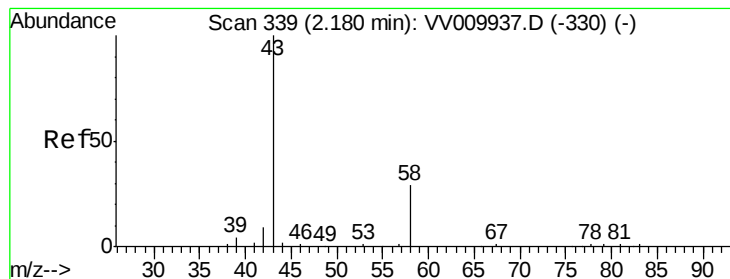
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.288 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

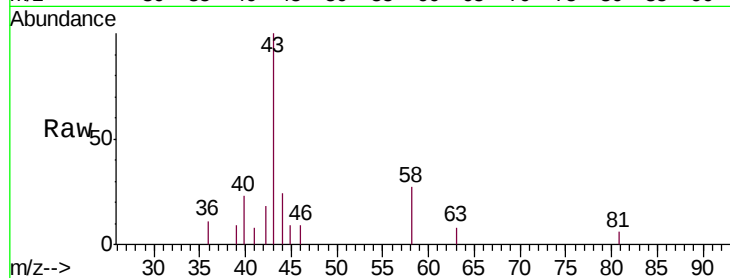
BF0G6

Tgt Ion: 43 Resp: 2765

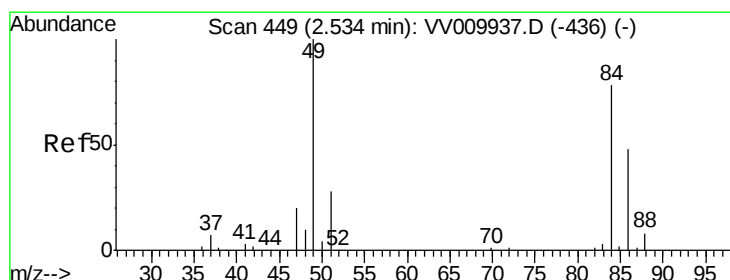
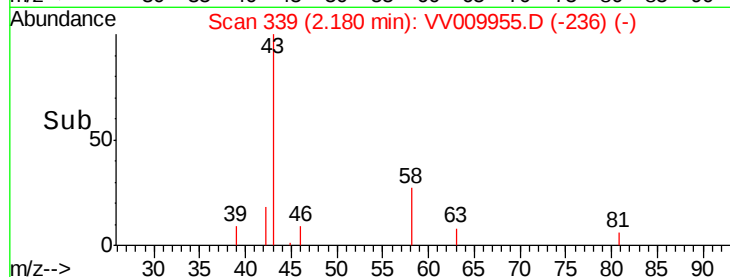
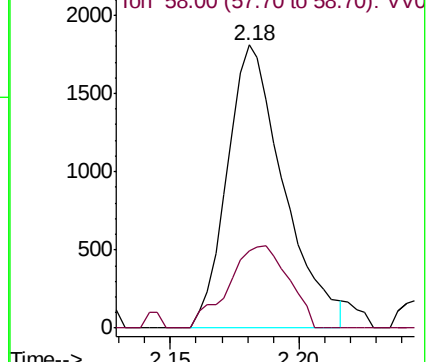
Ion Ratio Lower Upper

43 100

58 30.8 0.0 59.4



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



#16

Methylene chloride

Concen: 2.431 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.01 min

Lab File: VV009955.D

Acq: 28 Mar 2019 04:17

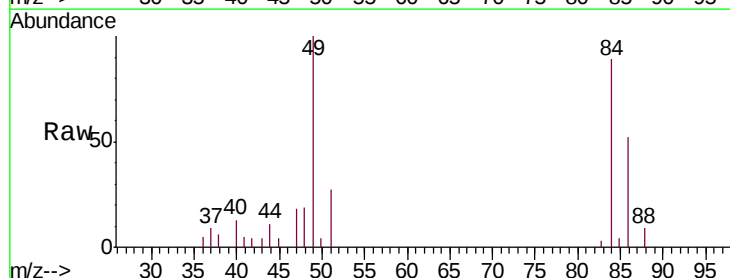
Tgt Ion: 84 Resp: 4509

Ion Ratio Lower Upper

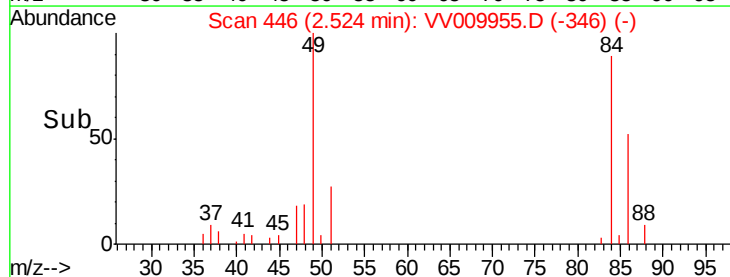
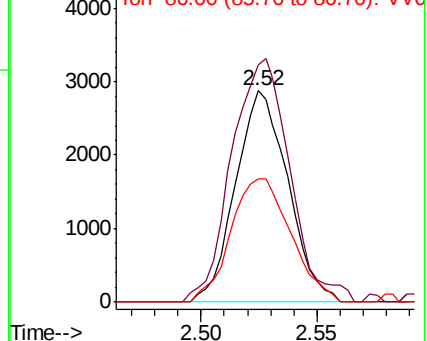
84 100

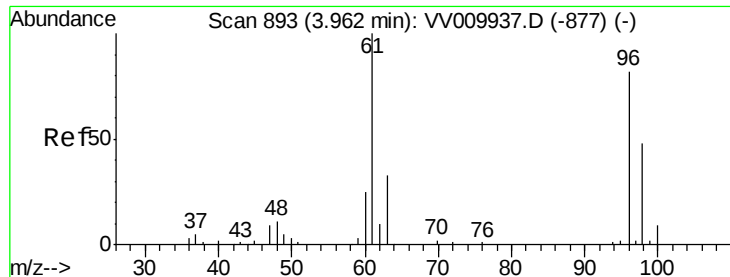
49 112.0 90.4 167.8

86 58.4 44.0 81.6



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



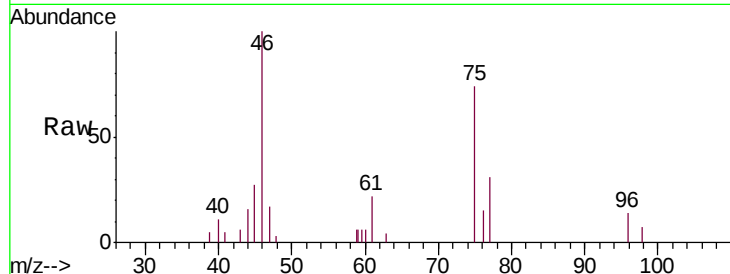


#22

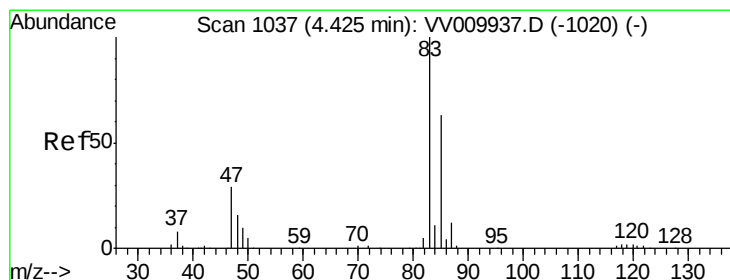
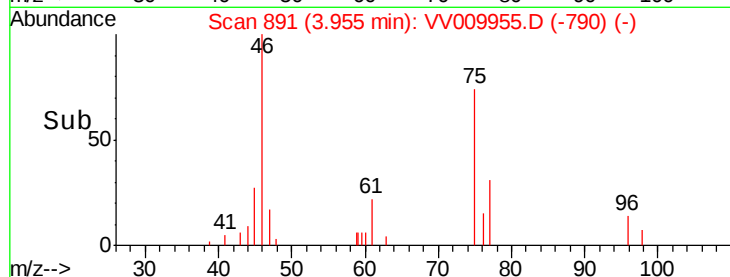
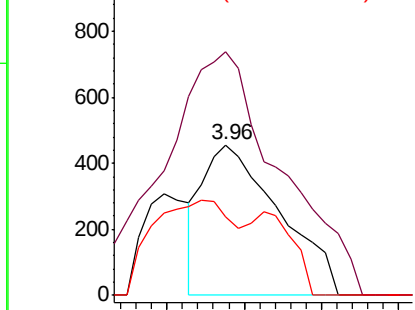
cis-1,2-Dichloroethene
Concen: 0.387 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.01 min
Lab File: VV009955.D
Acq: 28 Mar 2019 04:17

Instrument :
MSVOA_V
ClientSampleId :
BF0G6

Tgt Ion: 96 Resp: 630
Ion Ratio Lower Upper
96 100
61 161.8 91.4 169.8
98 52.4 48.0 89.2



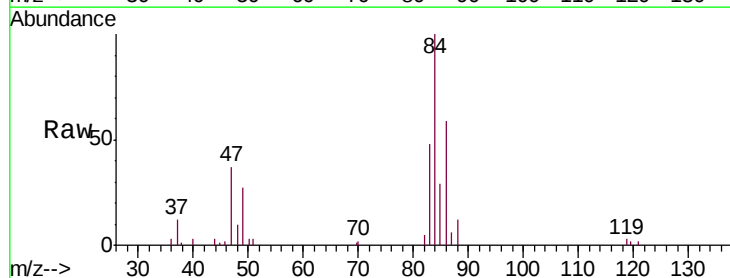
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



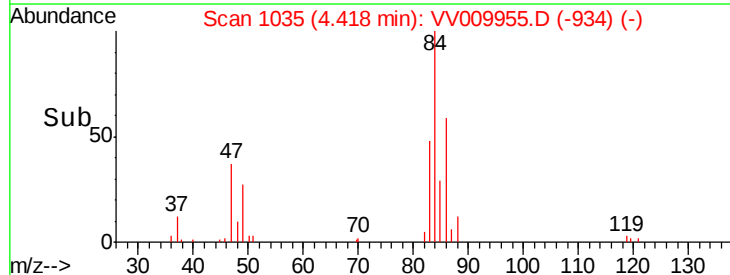
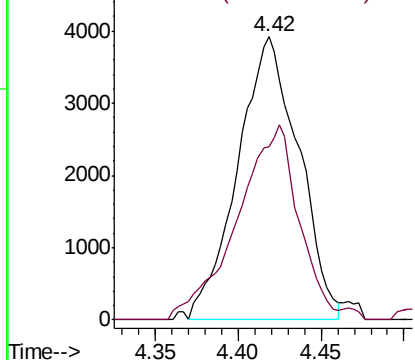
#25

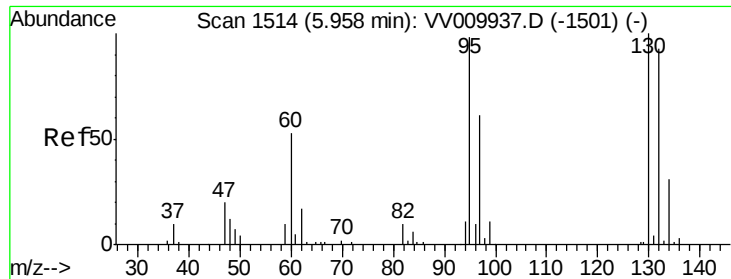
Chloroform
Concen: 3.370 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV009955.D
Acq: 28 Mar 2019 04:17

Tgt Ion: 83 Resp: 10056
Ion Ratio Lower Upper
83 100
85 69.3 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#35

Trichloroethene

Concen: 0.680 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009955.D

Acq: 28 Mar 2019 04:17

Instrument :

MSVOA_V

ClientSampleId :

BF0G6

Tgt Ion: 95 Resp: 1130

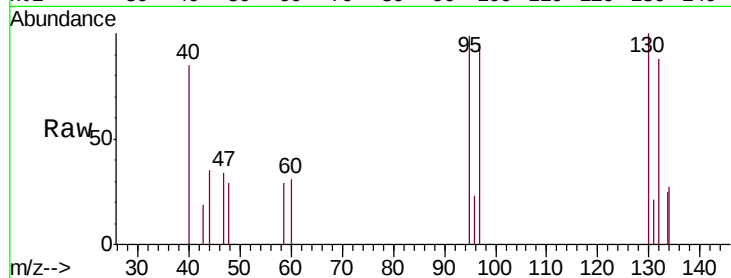
Ion Ratio Lower Upper

95 100

97 73.9 46.3 85.9

132 88.4 69.3 128.7

130 87.7 69.5 129.1

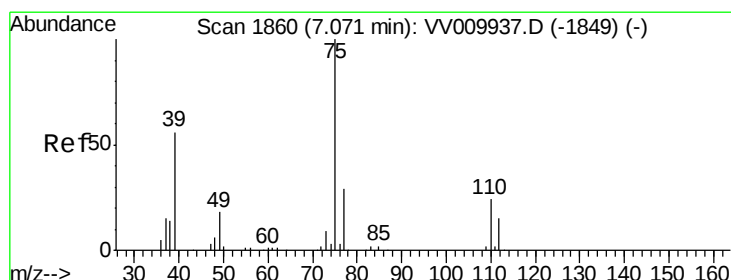
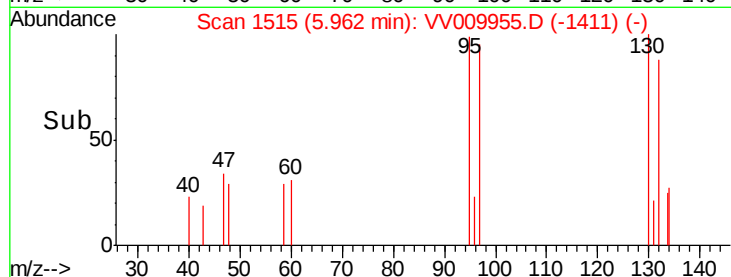
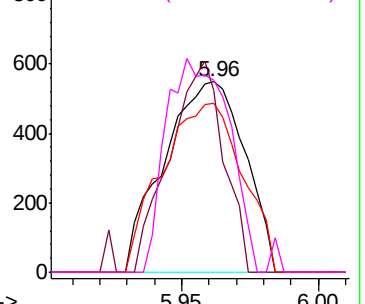


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#42

cis-1,3-Dichloropropene

Concen: 0.340 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.05 min

Lab File: VV009955.D

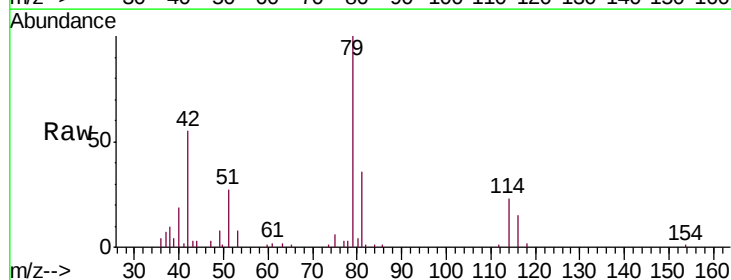
Acq: 28 Mar 2019 04:17

Tgt Ion: 75 Resp: 781

Ion Ratio Lower Upper

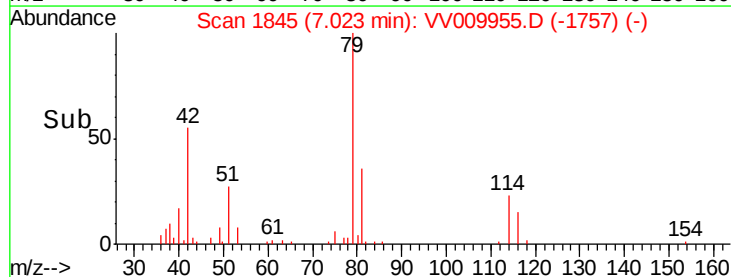
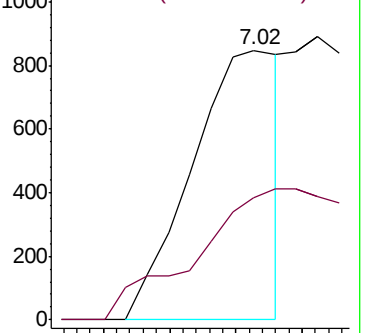
75 100

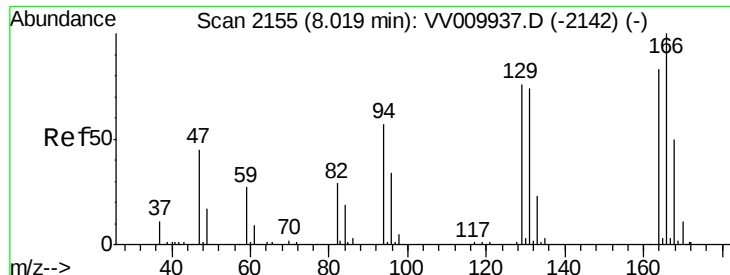
77 45.0 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#47

Tetrachloroethene

Concen: 53.863 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009955.D

Acq: 28 Mar 2019 04:17

Instrument :
MSVOA_V
ClientSampleId :
BF0G6

Tgt Ion:164 Resp: 70641

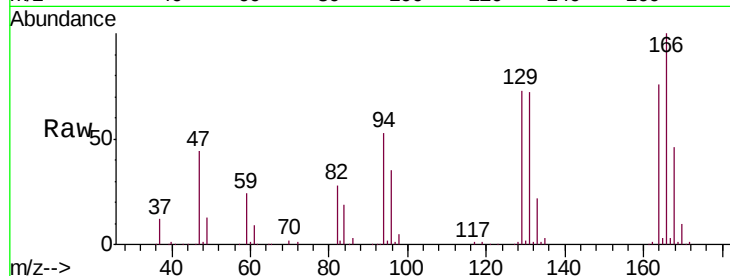
Ion Ratio Lower Upper

164 100

129 96.1 64.9 120.5

131 94.7 62.0 115.2

166 132.1 82.9 153.9

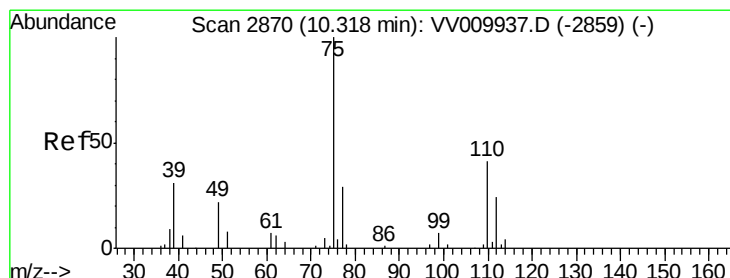
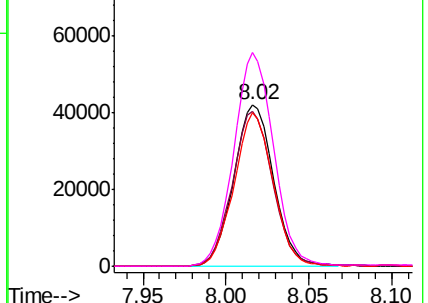
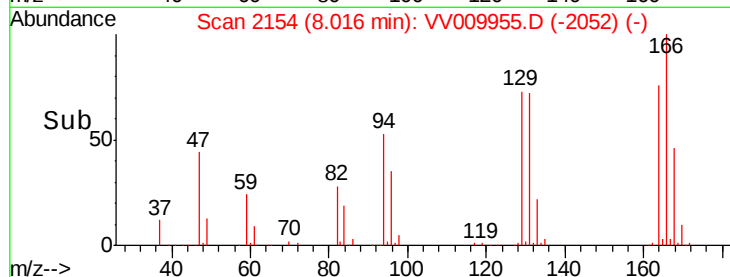


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.092 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009955.D

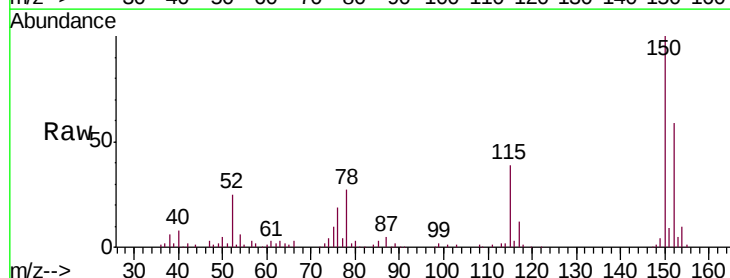
Acq: 28 Mar 2019 04:17

Tgt Ion: 75 Resp: 6450

Ion Ratio Lower Upper

75 100

77 38.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

