

Data File : VV009953.D
Acq On : 28 Mar 2019 03:24
Operator : SY/MD
Sample : K2101-16
Misc : 4.81G/10mL/MSVOA_V/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0E7

Quant Time: Mar 28 07:23:00 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	186953	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	172113	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64876	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	86176	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
7) Chloroethane-d5	1.57	69	97622	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.28%
10) 1,1-Dichloroethene-d2	2.12	63	79781	7.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	30.76%#
20) 2-Butanone-d5	3.93	46	22431	31.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.46%
24) Chloroform-d	4.39	84	97161	20.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.08	65	65406	22.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.28%
29) Benzene-d6	5.09	84	244081	27.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.00%
33) 1,2-Dichloropropane-d6	6.11	67	72545	27.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.72%
37) Toluene-d8	7.36	98	210556	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.44%
38) trans-1,3-Dichloropropene-	7.66	79	20615	19.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.24%
39) 2-Hexanone-d5	8.13	63	14902	30.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47689	18.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	60154	24.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.40%

Target Compounds

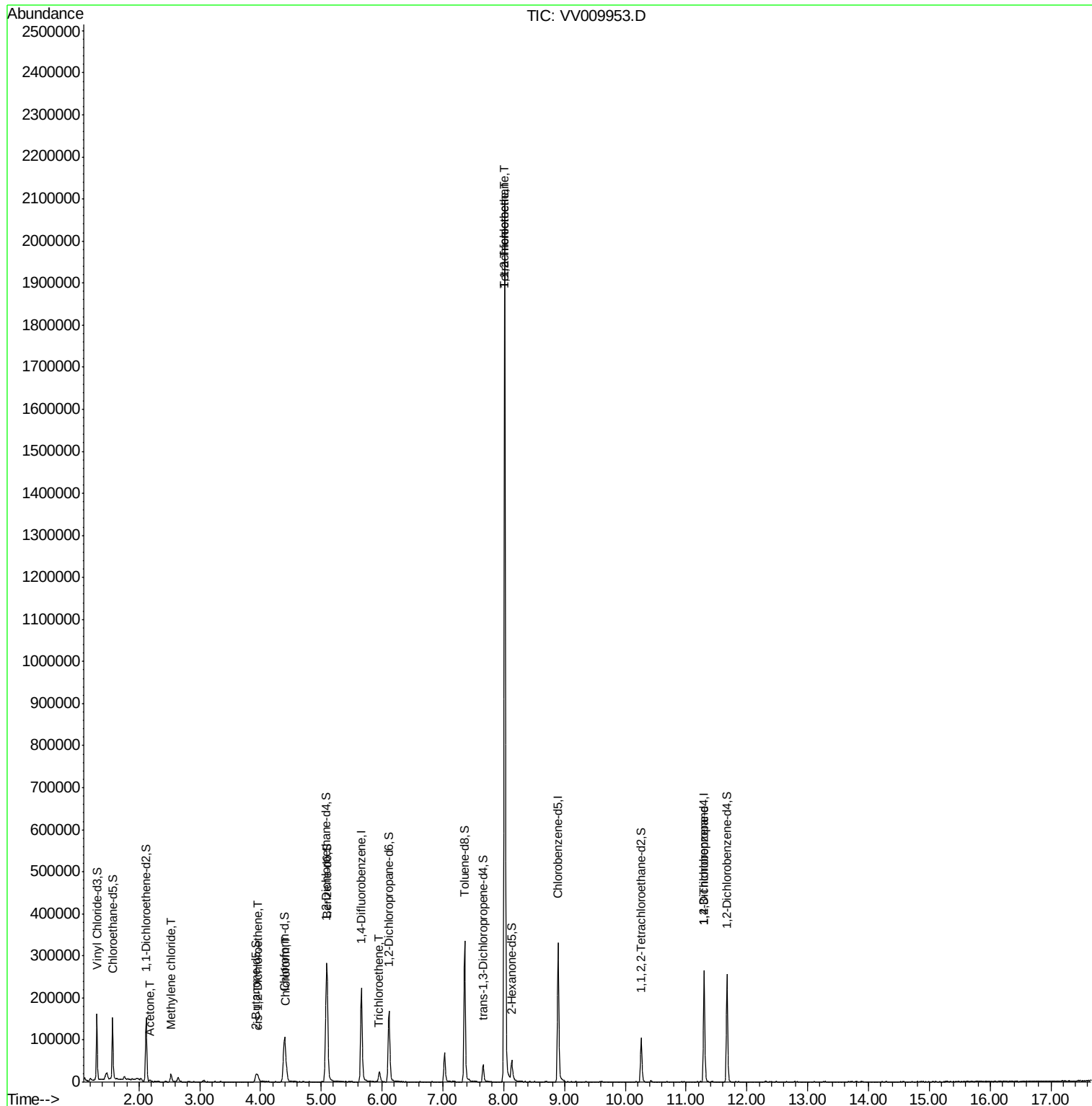
						Qvalue
13) Acetone	2.18	43	1290	1.205	ug/L	84
16) Methylene chloride	2.53	84	7709	2.504	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	5226	1.932	ug/L	81
25) Chloroform	4.42	83	25880	5.225	ug/L	98
35) Trichloroethene	5.96	95	6782	2.720	ug/L	97
46) 1,1,2-Trichloroethane	8.02	97	4220	2.160	ug/L #	10
47) Tetrachloroethene	8.02	164	390561	198.530	ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	10399	5.473	ug/L	97

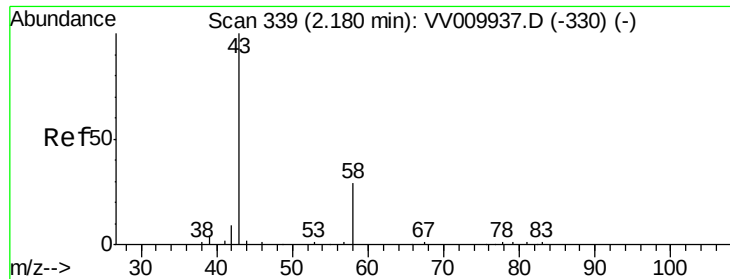
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.205 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VV009953.D

Acq: 28 Mar 2019 03:24

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MSVOA_V

ClientSampleId :

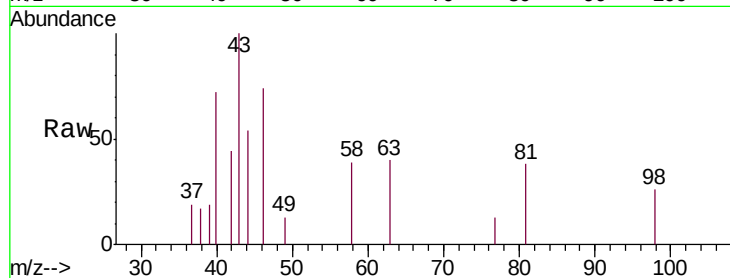
BF0E7

Tgt Ion: 43 Resp: 1290

Ion Ratio Lower Upper

43 100

58 21.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009953.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV009953.D (-330) (-)

2.18

800

600

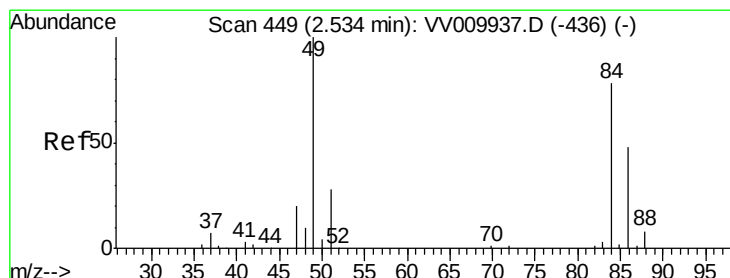
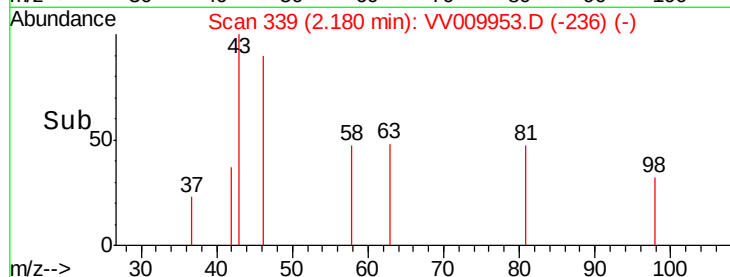
400

200

0

Time-->

2.14 2.16 2.18 2.20 2.22



#16

Methylene chloride

Concen: 2.504 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV009953.D

Acq: 28 Mar 2019 03:24

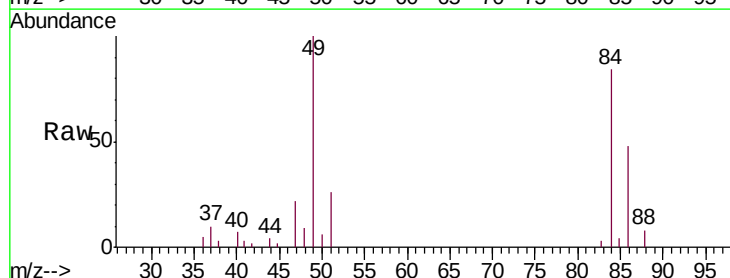
Tgt Ion: 84 Resp: 7709

Ion Ratio Lower Upper

84 100

49 118.6 90.4 167.8

86 57.5 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV009953.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009953.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009953.D (-436) (-)

2.53

6000

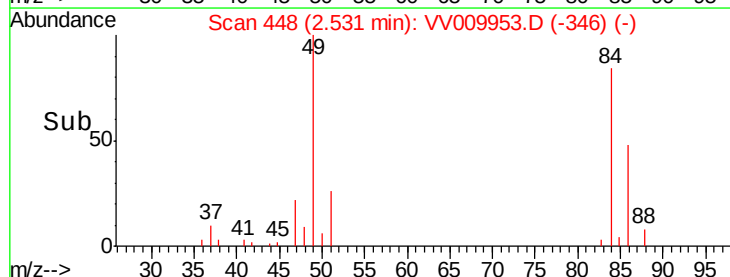
4000

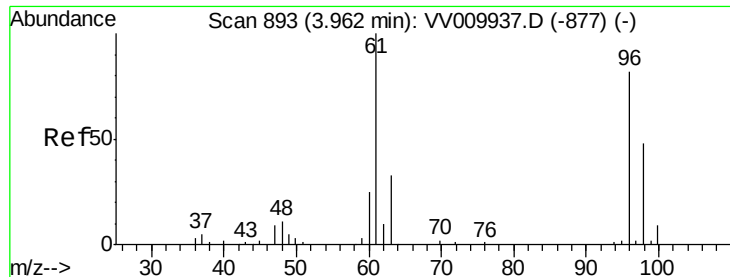
2000

0

Time-->

2.50 2.55



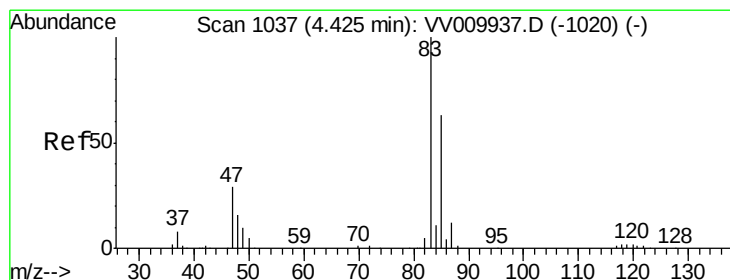
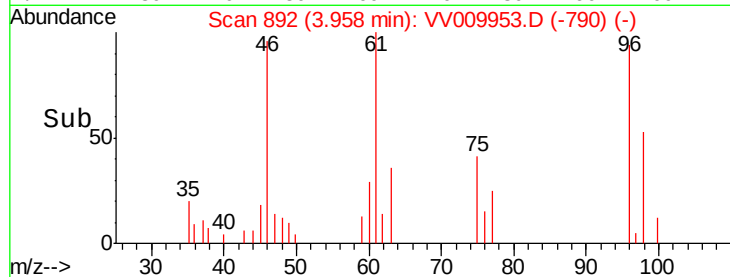
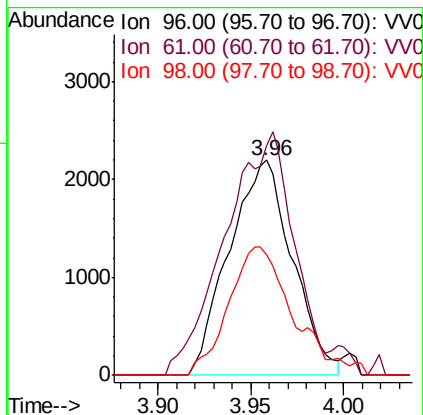
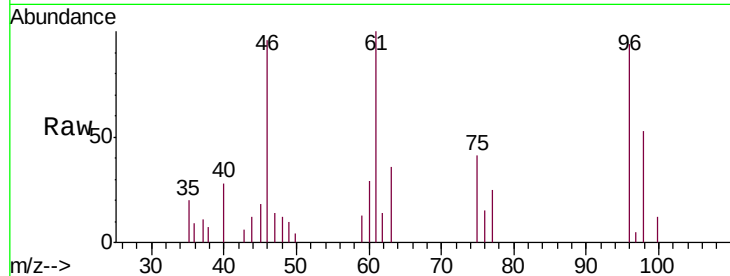


#22

cis-1,2-Dichloroethene
 Concen: 1.932 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV009953.D
 Acq: 28 Mar 2019 03:24

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0E7

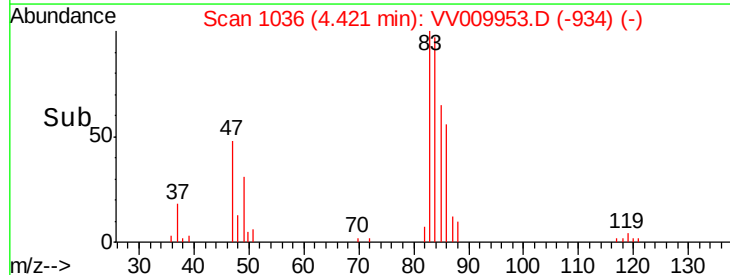
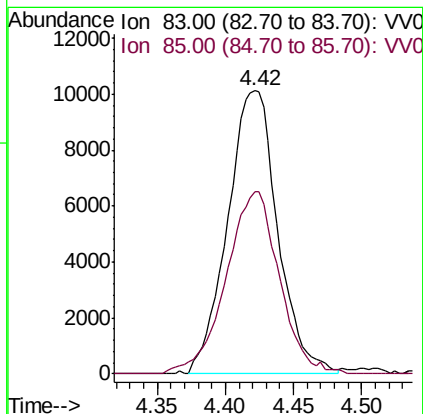
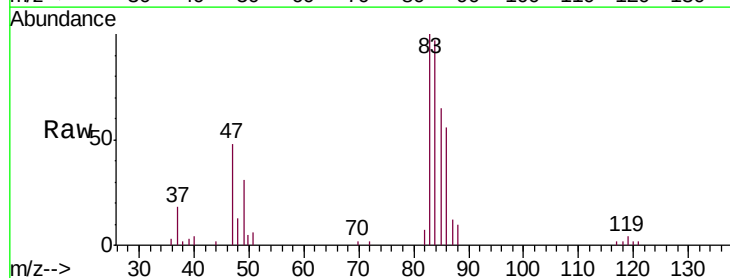
Tgt Ion: 96 Resp: 5226
 Ion Ratio Lower Upper
 96 100
 61 106.6 91.4 169.8
 98 56.1 48.0 89.2

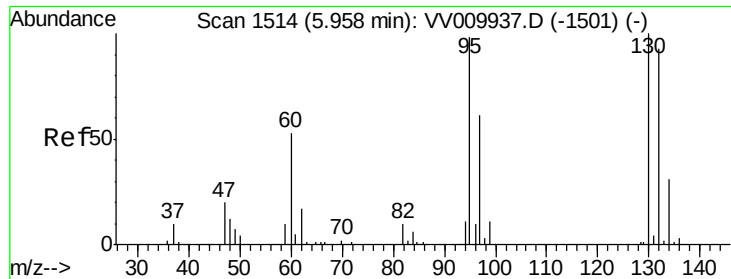


#25

Chloroform
 Concen: 5.225 ug/L
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VV009953.D
 Acq: 28 Mar 2019 03:24

Tgt Ion: 83 Resp: 25880
 Ion Ratio Lower Upper
 83 100
 85 67.4 46.1 85.7

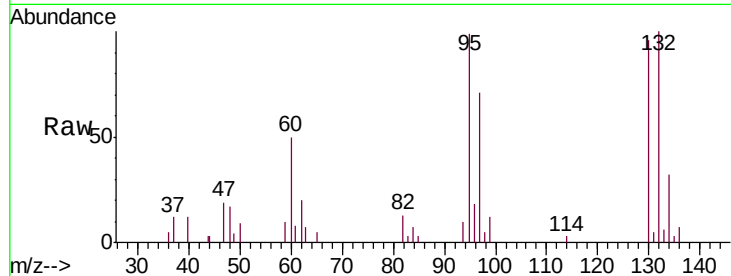




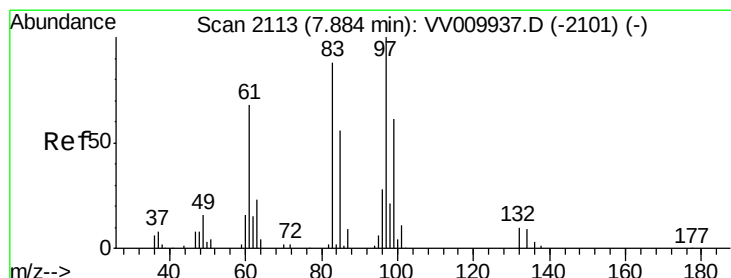
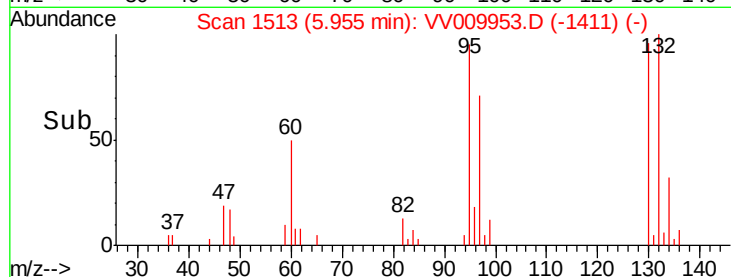
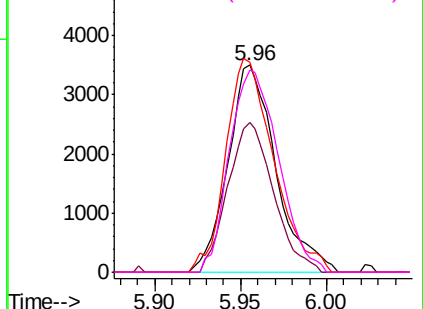
#35
 Trichloroethene
 Concen: 2.720 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV009953.D
 Acq: 28 Mar 2019 03:24

Instrument :
 MSVOA_V
 ClientSampled :
 BF0E7

Tgt Ion: 95 Resp: 6782
 Ion Ratio Lower Upper
 95 100
 97 68.8 46.3 85.9
 132 103.6 69.3 128.7
 130 99.8 69.5 129.1

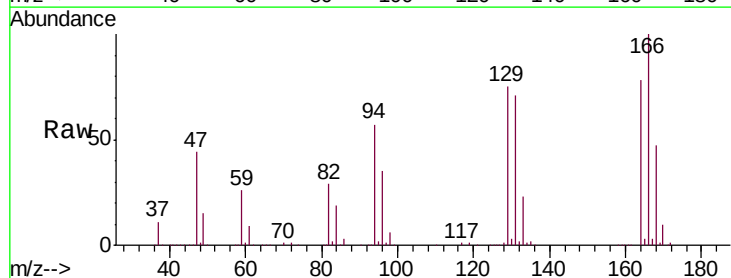


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

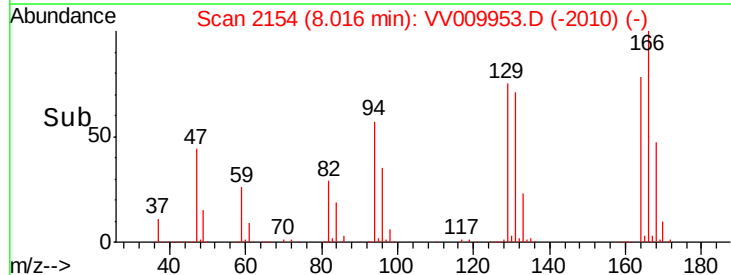
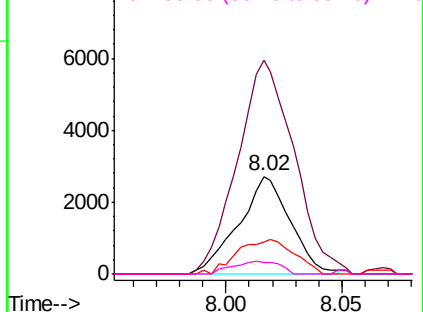


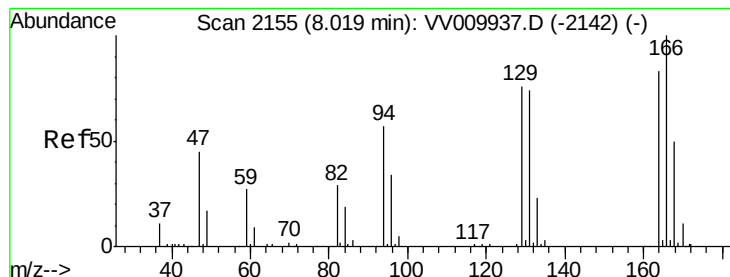
#46
 1,1,2-Trichloroethane
 Concen: 2.160 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.13 min
 Lab File: VV009953.D
 Acq: 28 Mar 2019 03:24

Tgt Ion: 97 Resp: 4220
 Ion Ratio Lower Upper
 97 100
 83 219.0 59.6 110.8#
 85 32.7 39.2 72.8#
 99 12.1 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: 198.530 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009953.D

Acq: 28 Mar 2019 03:24

Instrument :

MSVOA_V

ClientSampleId :

BF0E7

Tgt Ion:164 Resp: 390561

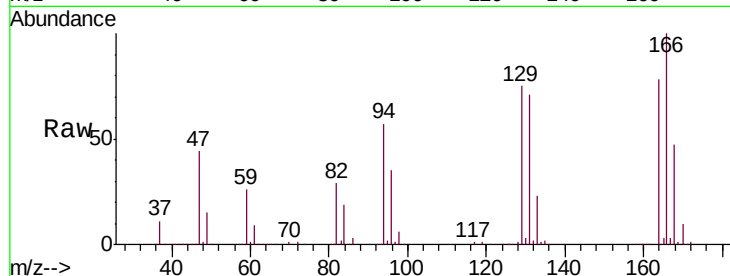
Ion Ratio Lower Upper

164 100

129 95.9 64.9 120.5

131 90.5 62.0 115.2

166 128.3 82.9 153.9

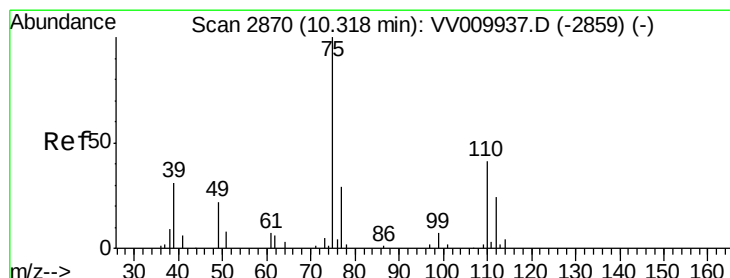
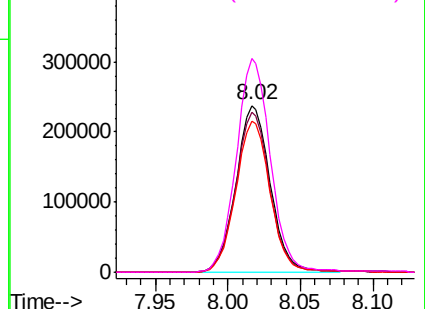
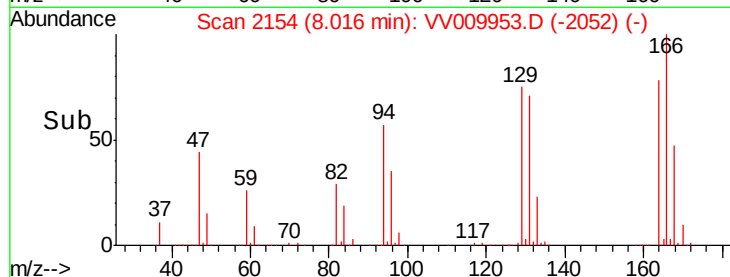


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.473 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009953.D

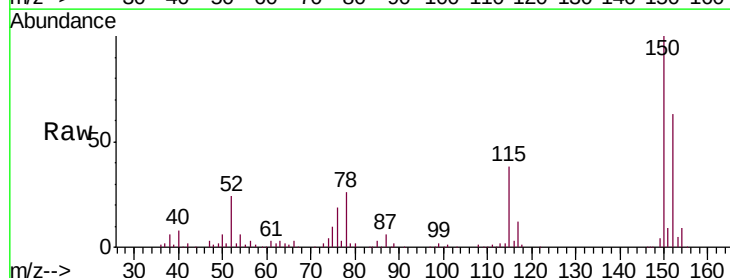
Acq: 28 Mar 2019 03:24

Tgt Ion: 75 Resp: 10399

Ion Ratio Lower Upper

75 100

77 34.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

