

Data File : VV009911.D
Acq On : 26 Mar 2019 22:57
Operator : SY/MD
Sample : K2101-04
Misc : 6.42G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0K2

Quant Time: Mar 27 01:49:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 01:42:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	123021	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	122466	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54867	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70687	28.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.28%
7) Chloroethane-d5	1.58	69	121286	44.98	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	179.92%#
10) 1,1-Dichloroethene-d2	2.13	63	144563	21.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.68%
20) 2-Butanone-d5	4.11	46	231	0.50	ug/L	0.18
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.00%#
24) Chloroform-d	4.40	84	86948	27.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.96%
26) 1,2-Dichloroethane-d4	5.08	65	54294	28.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.12%
29) Benzene-d6	5.10	84	176619	27.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.84%
33) 1,2-Dichloropropane-d6	6.12	67	53784	28.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.32%
37) Toluene-d8	7.36	98	157730	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.64%
38) trans-1,3-Dichloropropene-	7.66	79	18327	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.24%
39) 2-Hexanone-d5	8.14	63	18986	54.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	48753	26.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	56987	27.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.12%

Target Compounds

					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2848	0.803 ug/L #	59
12) 1,1-Dichloroethene	2.13	96	1800	0.598 ug/L #	1
13) Acetone	2.20	43	1389	1.972 ug/L	79
16) Methylene chloride	2.54	84	3420	1.688 ug/L	94
22) cis-1,2-Dichloroethene	3.97	96	21731	12.210 ug/L	95
35) Trichloroethene	5.96	95	13786	7.772 ug/L	95
42) cis-1,3-Dichloropropene	7.04	75	2019	0.824 ug/L	95
45) trans-1,3-Dichloropropene	7.67	75	1029	0.513 ug/L	92
59) 1,2,3-Trichloropropane	11.30	75	8855	6.549 ug/L	99

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

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Sample : K2101-04

Misc : 6.42G/10mL/MSV0A V/SOIL

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BF0K2

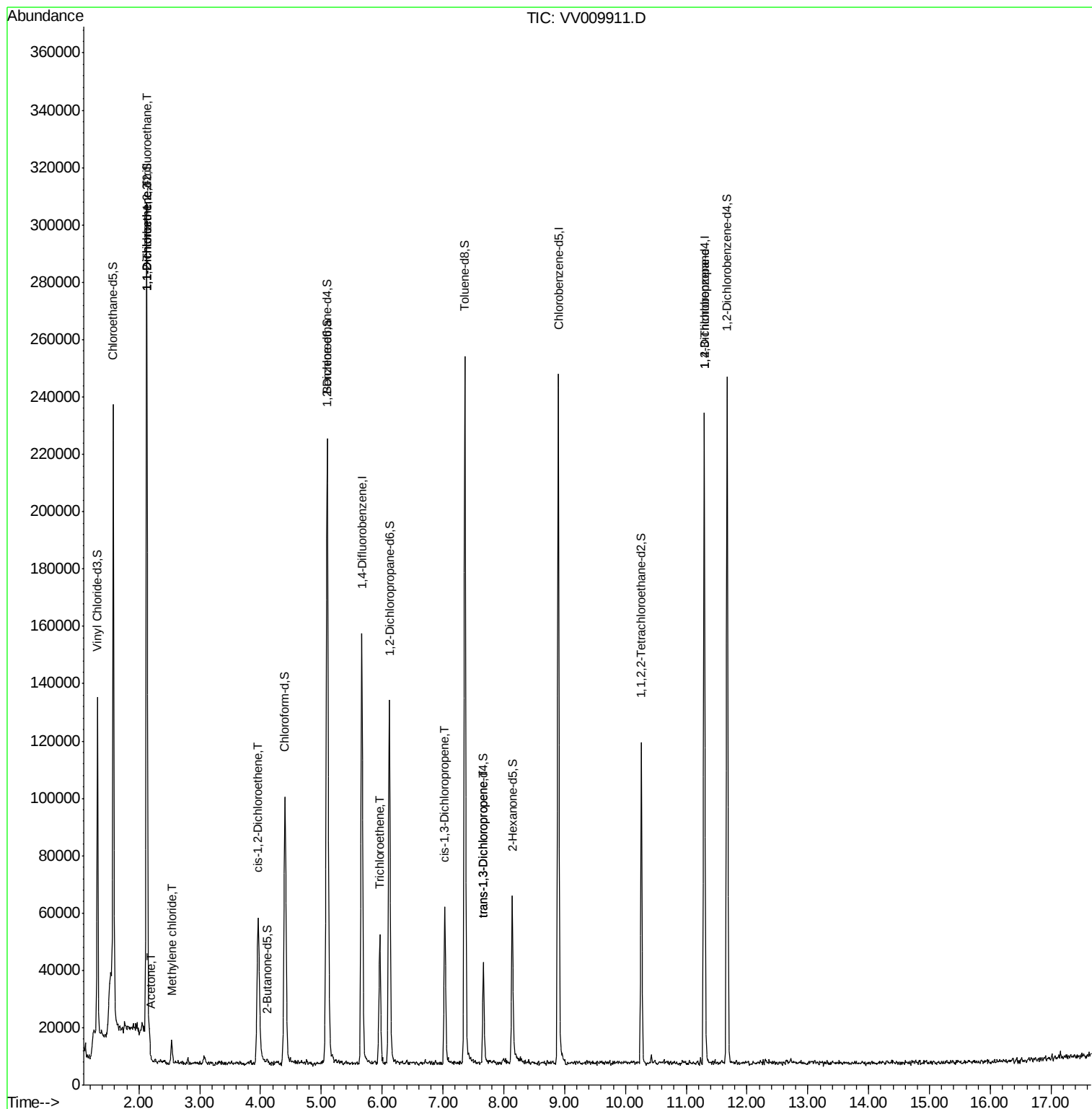
Quant Time: Mar 27 01:49:50 2019

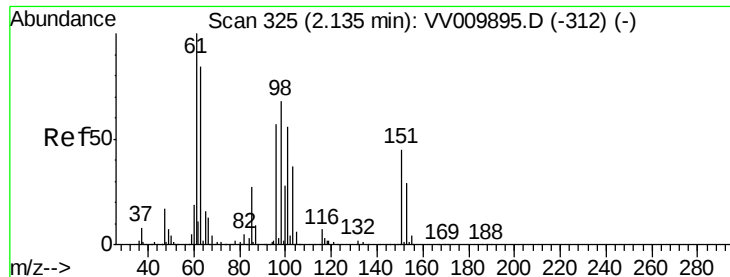
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM032619S.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 27 01:42:27 2019

Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.803 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009911.D

Acq: 26 Mar 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

BF0K2

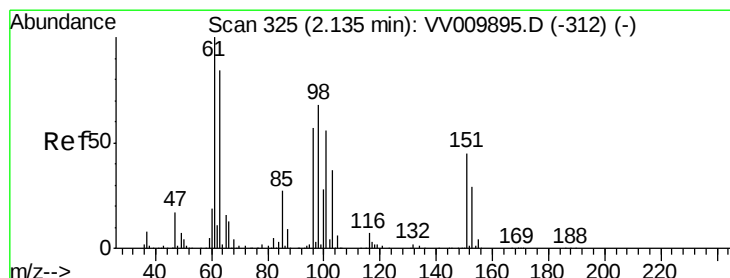
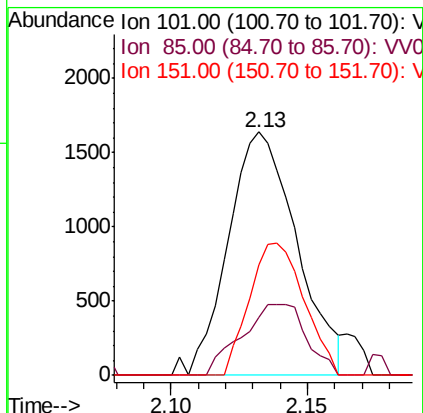
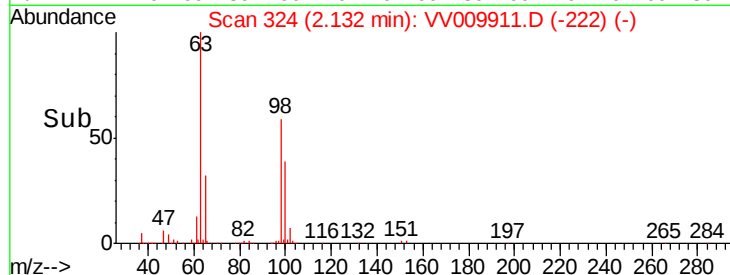
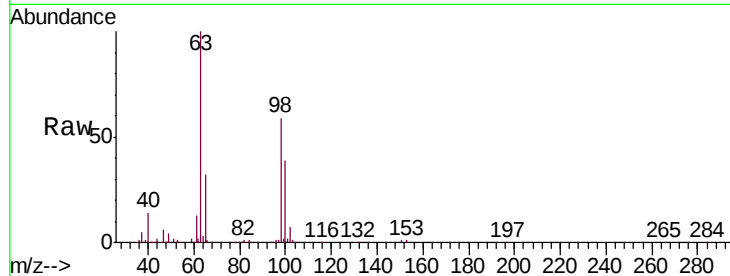
Tgt Ion:101 Resp: 2848

Ion Ratio Lower Upper

101 100

85 19.7 36.9 55.3#

151 43.5 63.6 95.4#



#12

1,1-Dichloroethene

Concen: 0.598 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009911.D

Acq: 26 Mar 2019 22:57

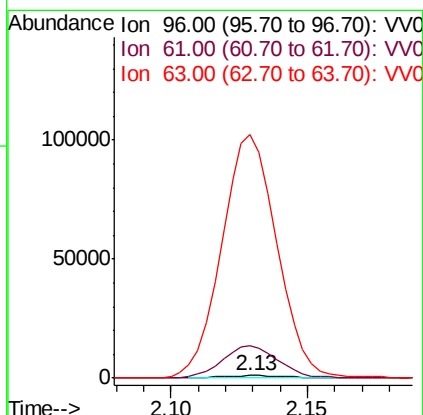
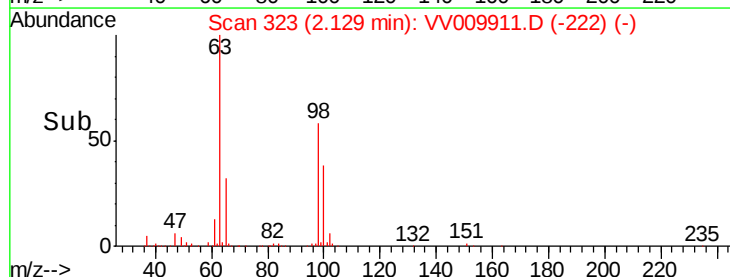
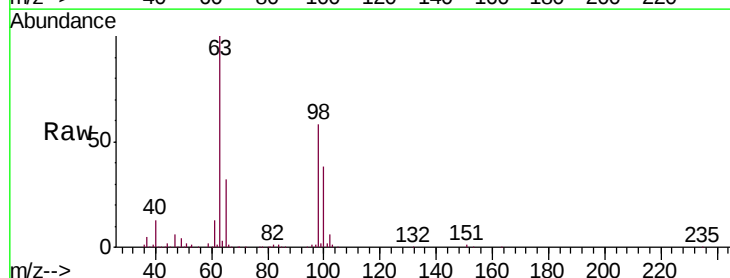
Tgt Ion: 96 Resp: 1800

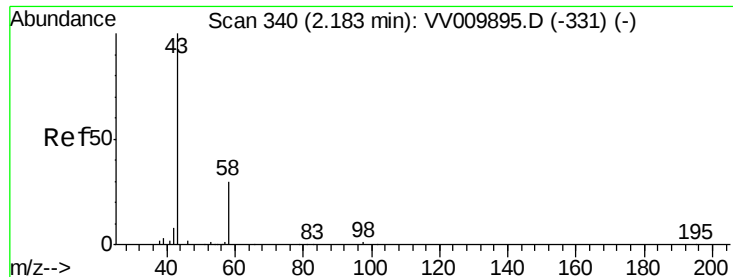
Ion Ratio Lower Upper

96 100

61 1315.9 124.3 230.8#

63 9952.5 88.2 163.8#





#13

Acetone

Concen: 1.972 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV009911.D

Acq: 26 Mar 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

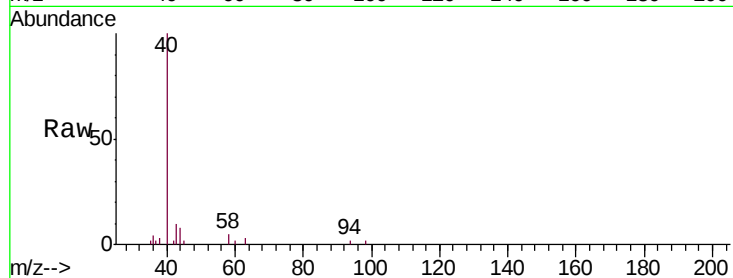
BF0K2

Tgt Ion: 43 Resp: 1389

Ion Ratio Lower Upper

43 100

58 41.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009895.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009895.D (-331) (-)

2.20

600

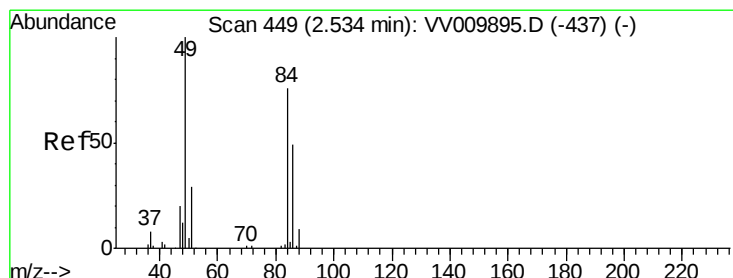
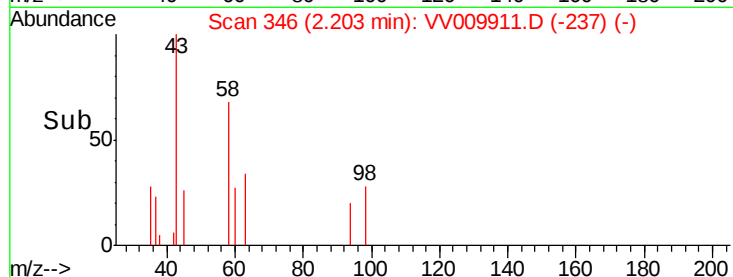
400

200

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 1.688 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV009911.D

Acq: 26 Mar 2019 22:57

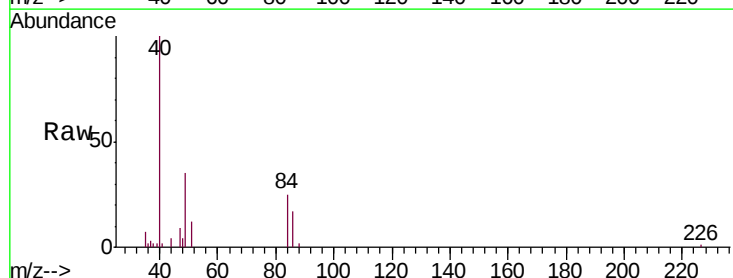
Tgt Ion: 84 Resp: 3420

Ion Ratio Lower Upper

84 100

49 137.6 90.4 167.8

86 65.9 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV009895.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV009895.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV009895.D (-437) (-)

3000

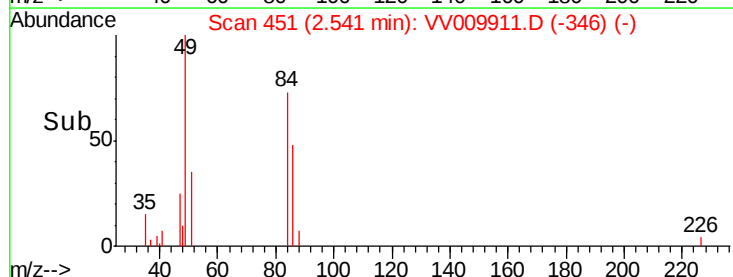
2000

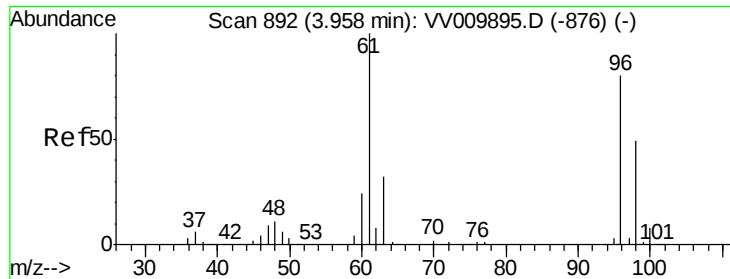
1000

0

2.50 2.54 2.58

Time-->



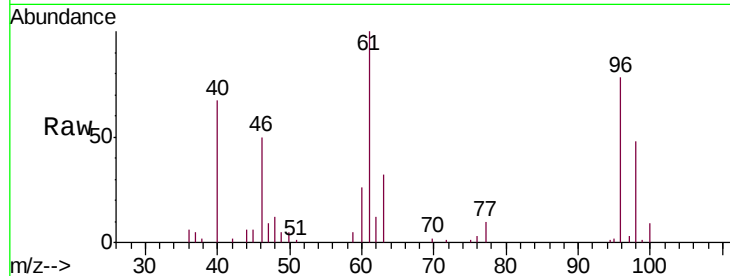


#22

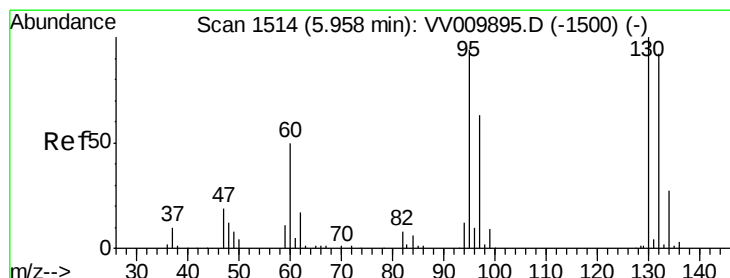
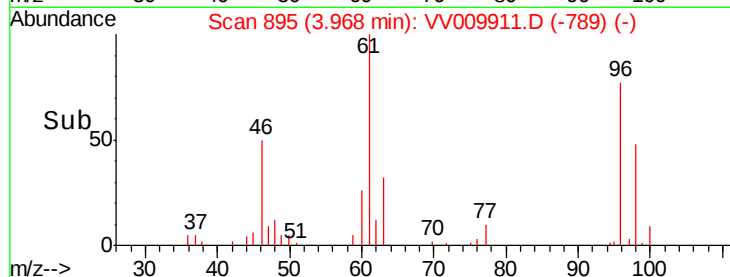
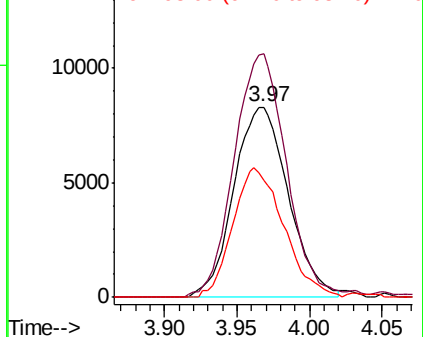
cis-1,2-Dichloroethene
Concen: 12.210 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.01 min
Lab File: VV009911.D
Acq: 26 Mar 2019 22:57

Instrument :
MSVOA_V
ClientSampleId :
BF0K2

Tgt Ion: 96 Resp: 21731
Ion Ratio Lower Upper
96 100
61 128.0 91.4 169.8
98 61.2 48.0 89.2



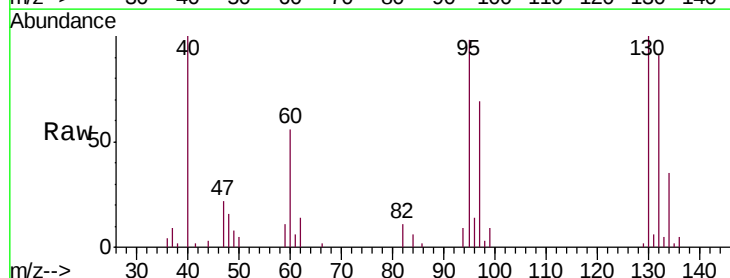
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



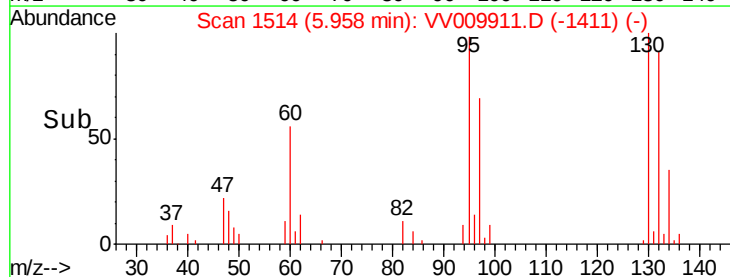
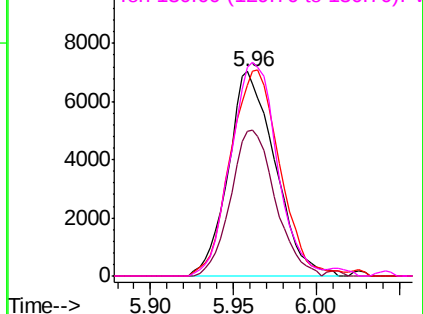
#35

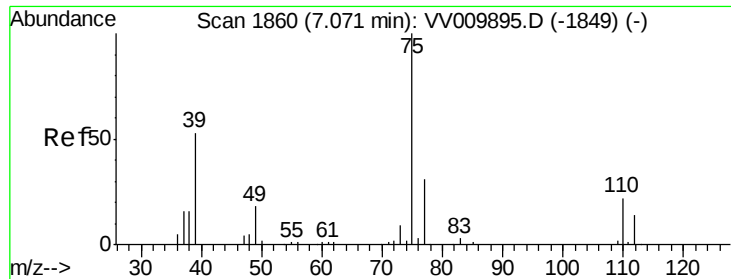
Trichloroethene
Concen: 7.772 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV009911.D
Acq: 26 Mar 2019 22:57

Tgt Ion: 95 Resp: 13786
Ion Ratio Lower Upper
95 100
97 68.0 46.3 85.9
132 105.7 69.3 128.7
130 103.7 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



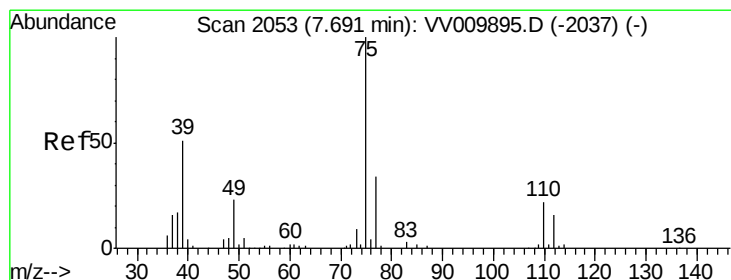
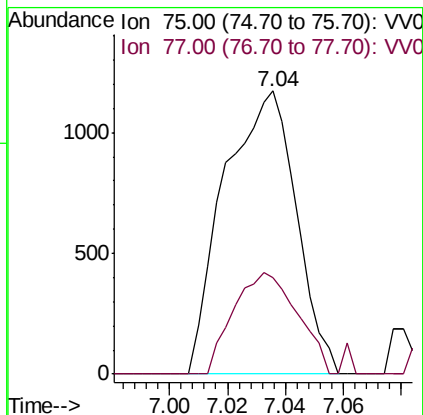
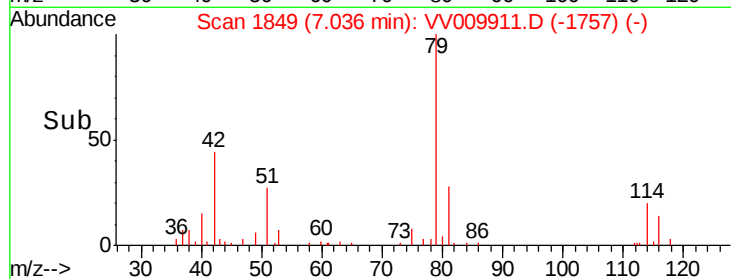
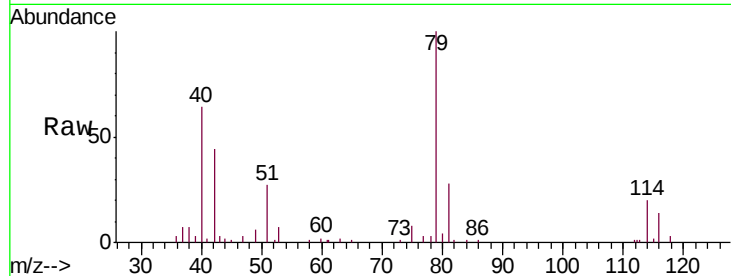


#42

cis-1,3-Dichloropropene
Concen: 0.824 ug/L
RT: 7.04 min Scan# 1849
Delta R.T. -0.04 min
Lab File: VV009911.D
Acq: 26 Mar 2019 22:57

Instrument :
MSVOA_V
ClientSampled :
BF0K2

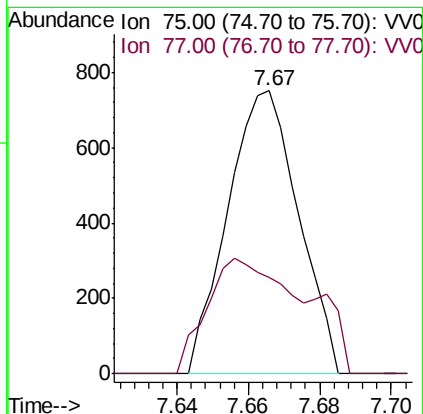
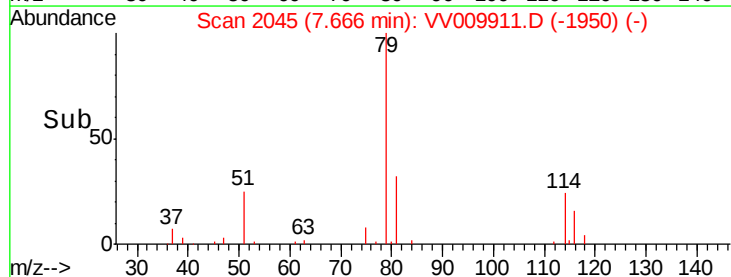
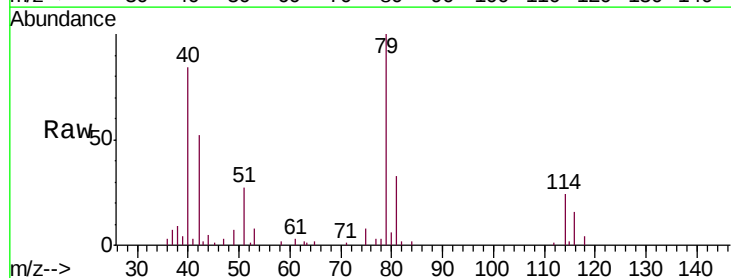
Tgt Ion: 75 Resp: 2019
Ion Ratio Lower Upper
75 100
77 34.0 21.8 40.6

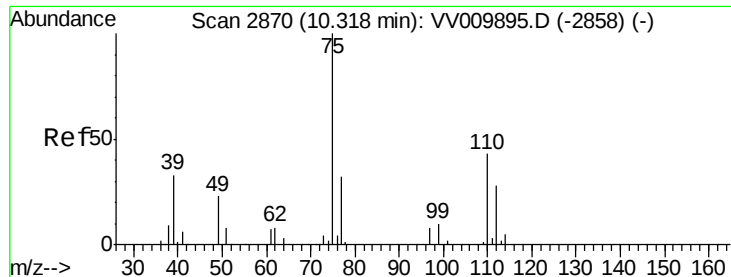


#45

trans-1,3-Dichloropropene
Concen: 0.513 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV009911.D
Acq: 26 Mar 2019 22:57

Tgt Ion: 75 Resp: 1029
Ion Ratio Lower Upper
75 100
77 34.1 20.7 38.5





#59

1,2,3-Trichloropropane

Concen: 6.549 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009911.D

Acq: 26 Mar 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

BF0K2

Tgt Ion: 75 Resp: 8855

Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.2

