

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
 Data File : VV010250.D
 Acq On : 11 Apr 2019 17:57
 Operator : SY/MD
 Sample : K2255-20
 Misc : 6.00G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFC21

Quant Time: Apr 12 01:29:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 01:24:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	492	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	946	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.32	152	194	25.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1198	211.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	846.12%#
7) Chloroethane-d5	1.59	69	1005	206.48	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	825.92%#
10) 1,1-Dichloroethene-d2	2.15	63	1771	122.85	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	491.40%#
20) 2-Butanone-d5	3.98	46	45	31.40	ug/L	0.05
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.80%
24) Chloroform-d	4.41	84	963	85.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	342.84%#
26) 1,2-Dichloroethane-d4	5.09	65	535	83.60	ug/L	0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	334.40%#
29) Benzene-d6	5.11	84	1882	41.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	165.04%#
33) 1,2-Dichloropropane-d6	6.12	67	219	16.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	64.56%#
37) Toluene-d8	7.37	98	977	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.84%
38) trans-1,3-Dichloropropene-	7.68	79	70	12.37	ug/L	0.02
Spiked Amount	25.000	Range	30 - 135	Recovery	=	49.48%
39) 2-Hexanone-d5	0.00	63	0	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
48) 1,1,2,2-Tetrachloroethane-	10.28	84	503	41.31	ug/L	0.02
Spiked Amount	25.000	Range	45 - 120	Recovery	=	165.24%#
61) 1,2-Dichlorobenzene-d4	11.69	152	181	25.26	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.04%

Target Compounds

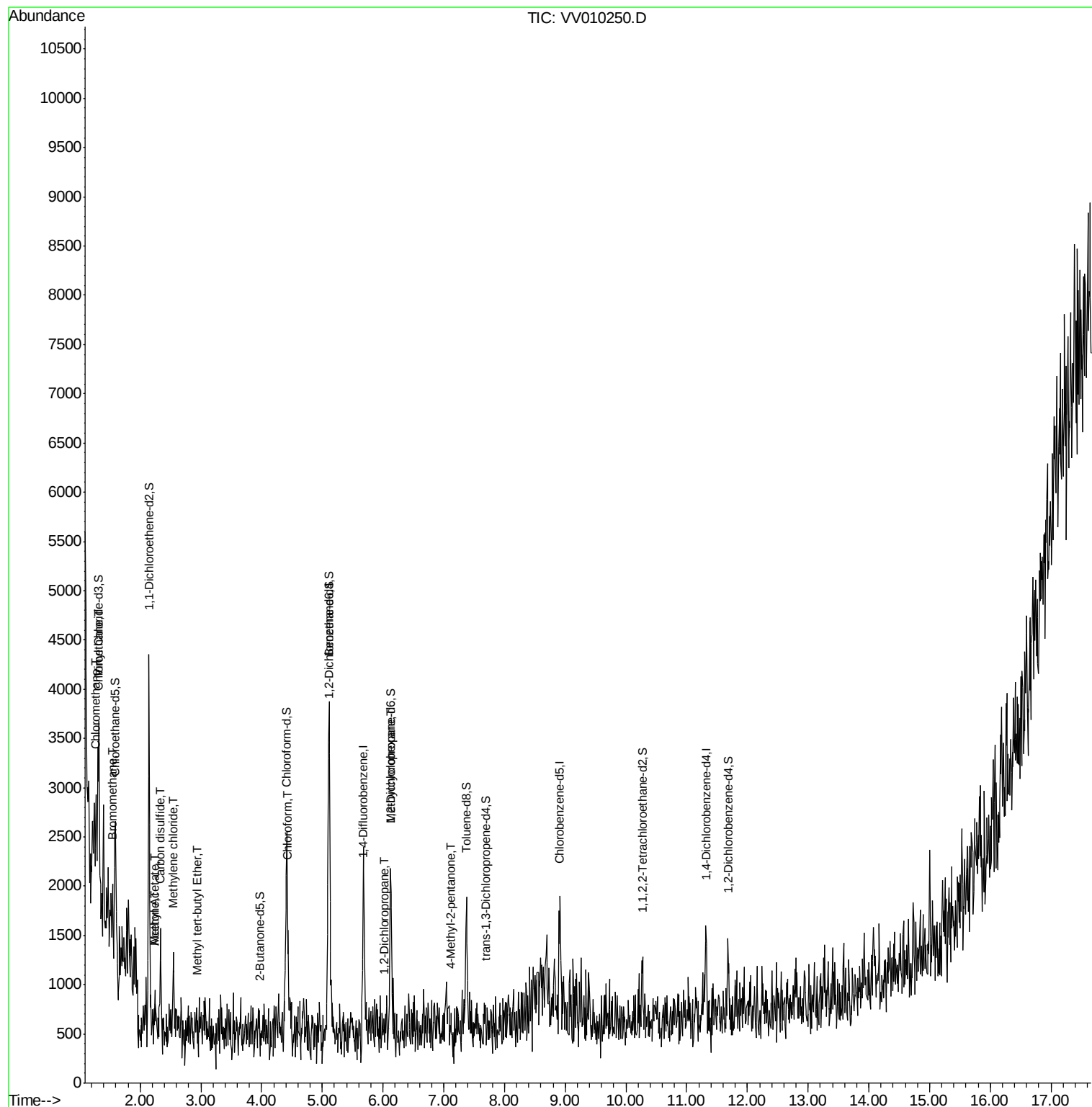
					Qvalue
3) Chloromethane	1.26	50	132	20.403 ug/L #	43
6) Bromomethane	1.55	94	134	23.765 ug/L #	3
8) Chloroethane	1.30	64	65	14.983 ug/L #	42
13) Acetone	2.24	43	83	54.201 ug/L	62
14) Carbon disulfide	2.34	76	763	48.673 ug/L #	63
15) Methyl Acetate	2.24	43	83	30.432 ug/L #	51
16) Methylene chloride	2.55	84	265	27.503 ug/L #	56
17) Methyl tert-butyl Ether	2.95	73	45	3.204 ug/L #	35
25) Chloroform	4.43	83	130	10.787 ug/L #	18
36) Methylcyclohexane	6.13	83	97	4.685 ug/L #	20
40) 1,2-Dichloropropane	6.02	63	41	3.494 ug/L #	85
43) 4-Methyl-2-pentanone	7.12	43	42	5.530 ug/L #	1

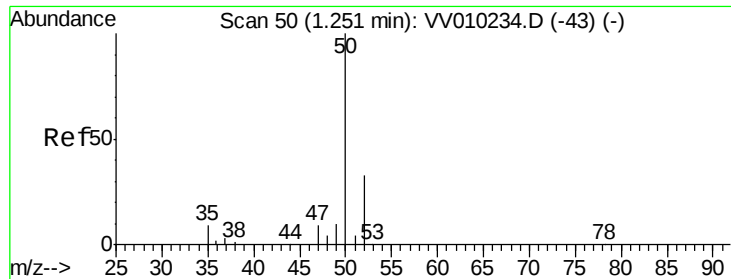
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 20.403 ug/L

RT: 1.26 min Scan# 53

Delta R.T. 0.01 min

Lab File: VV010250.D

Acq: 11 Apr 2019 17:57

Instrument :

MSVOA_V

ClientSampleId :

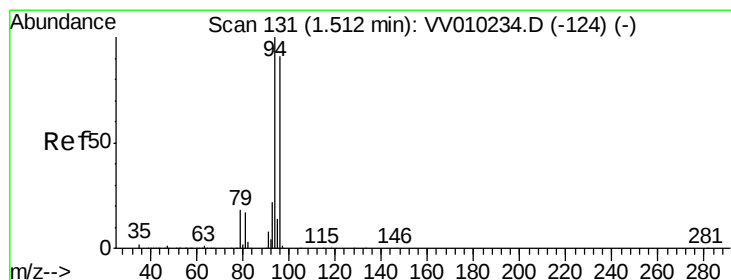
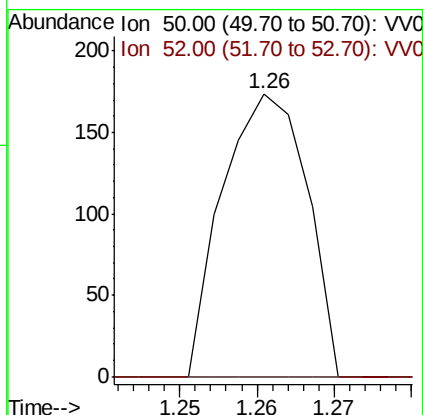
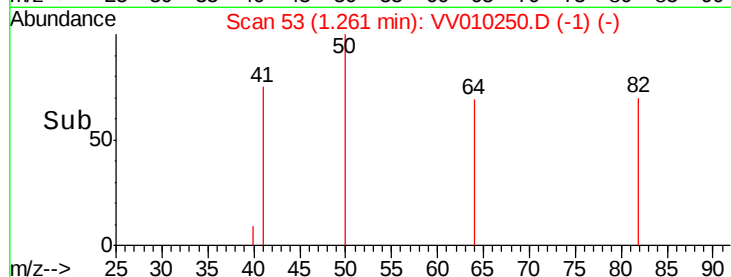
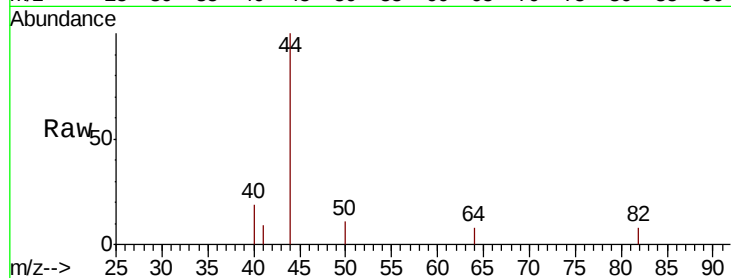
BFC21

Tgt Ion: 50 Resp: 132

Ion Ratio Lower Upper

50 100

52 0.0 22.4 41.6#



#6

Bromomethane

Concen: 23.765 ug/L

RT: 1.55 min Scan# 143

Delta R.T. 0.04 min

Lab File: VV010250.D

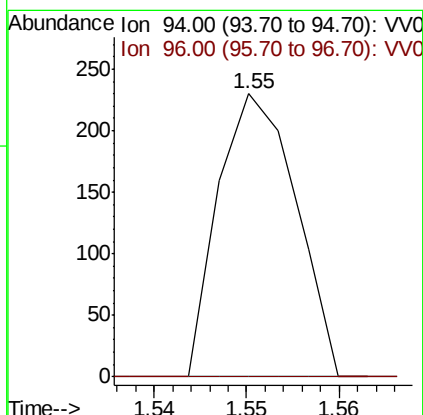
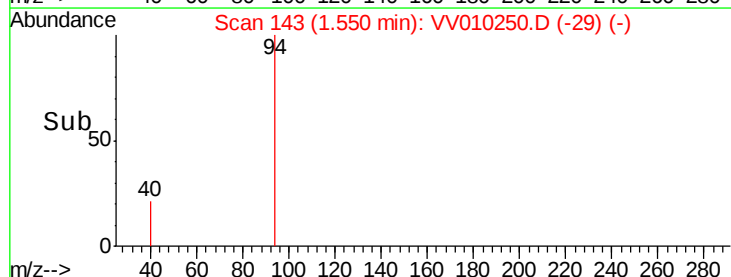
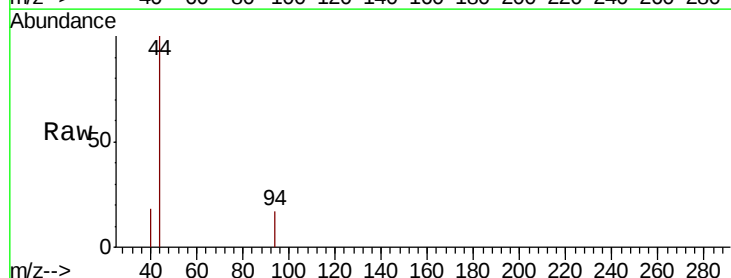
Acq: 11 Apr 2019 17:57

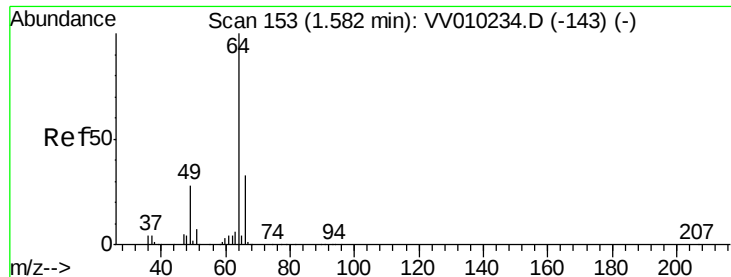
Tgt Ion: 94 Resp: 134

Ion Ratio Lower Upper

94 100

96 0.0 9.4 179.0#





#8

Chloroethane

Concen: 14.983 ug/L

RT: 1.30 min Scan# 66

Delta R.T. -0.29 min

Lab File: VV010250.D

Acq: 11 Apr 2019 17:57

Instrument :

MSVOA_V

ClientSampled :

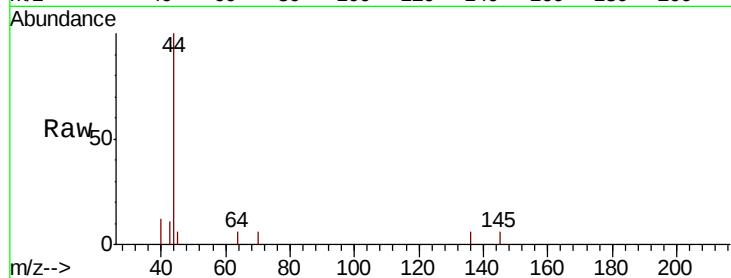
BFC21

Tgt Ion: 64 Resp: 65

Ion Ratio Lower Upper

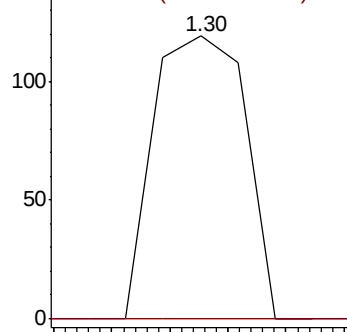
64 100

66 0.0 22.8 42.4#

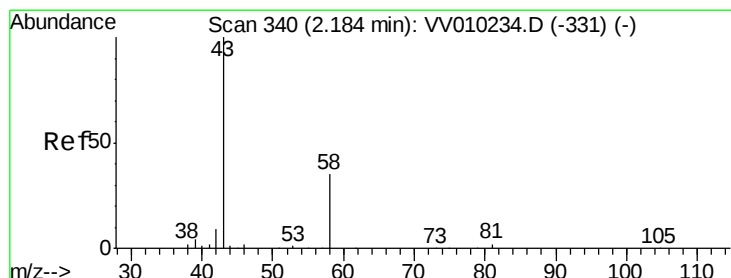
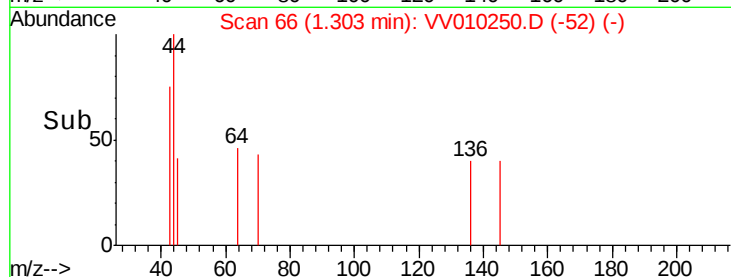


Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



Time-->



#13

Acetone

Concen: 54.201 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.05 min

Lab File: VV010250.D

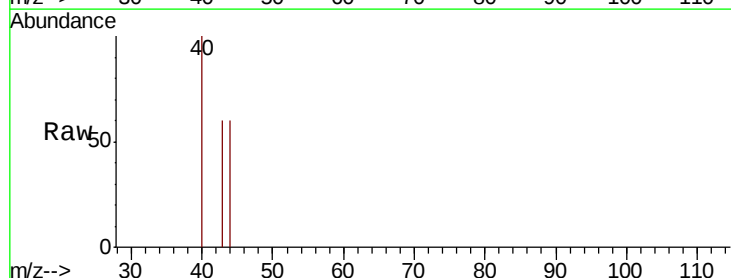
Acq: 11 Apr 2019 17:57

Tgt Ion: 43 Resp: 83

Ion Ratio Lower Upper

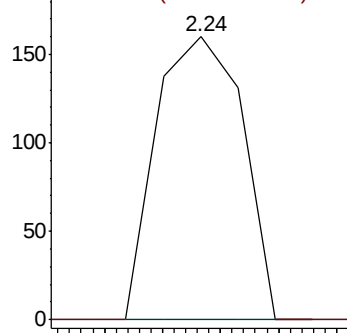
43 100

58 51.8 0.0 61.6

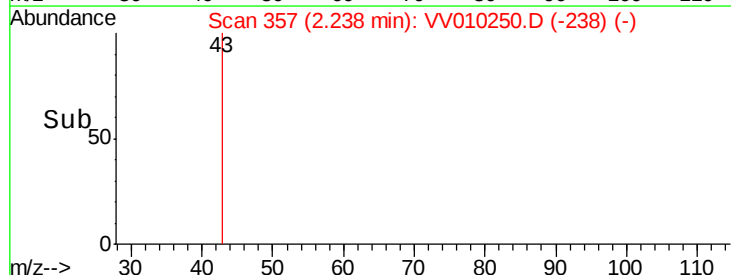


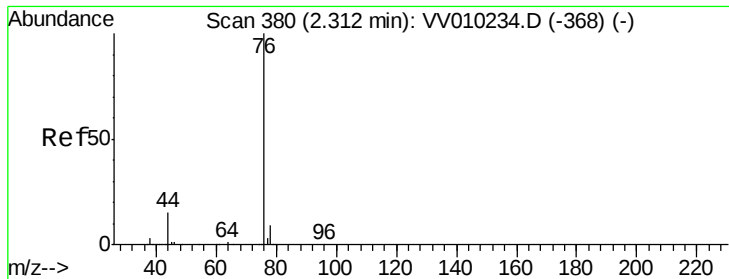
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



Time-->





#14

Carbon disulfide

Concen: 48.673 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

Lab File: VV010250.D

Acq: 11 Apr 2019 17:57

Instrument :

MSVOA_V

ClientSampleId :

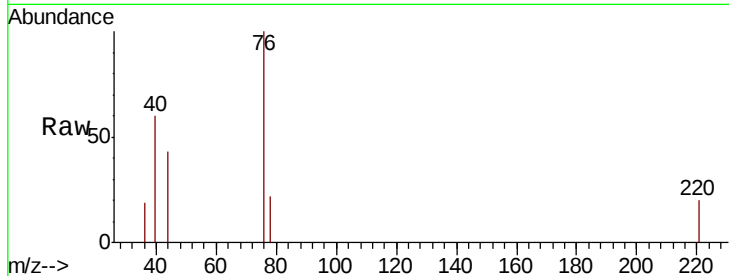
BFC21

Tgt Ion: 76 Resp: 763

Ion Ratio Lower Upper

76 100

78 22.1 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.34

600

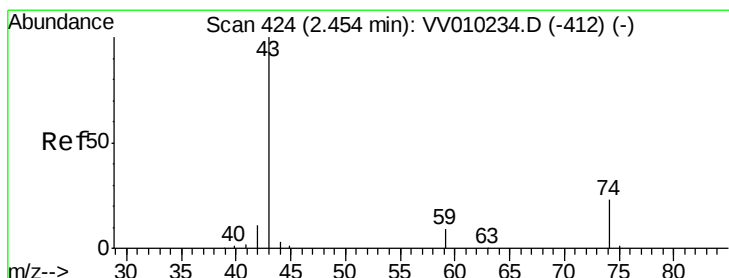
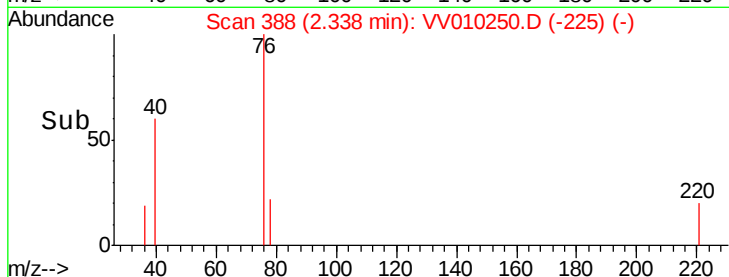
400

200

0

2.30 2.32 2.34 2.36

Time-->



#15

Methyl Acetate

Concen: 30.432 ug/L

RT: 2.24 min Scan# 357

Delta R.T. -0.22 min

Lab File: VV010250.D

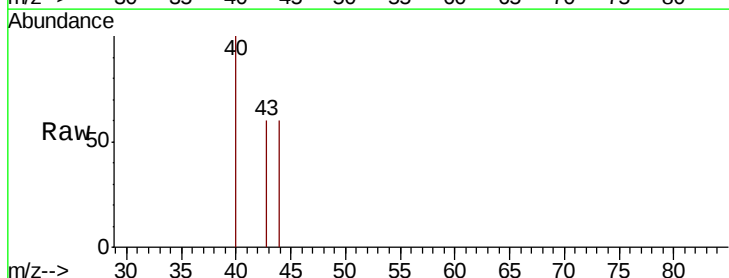
Acq: 11 Apr 2019 17:57

Tgt Ion: 43 Resp: 83

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.24

150

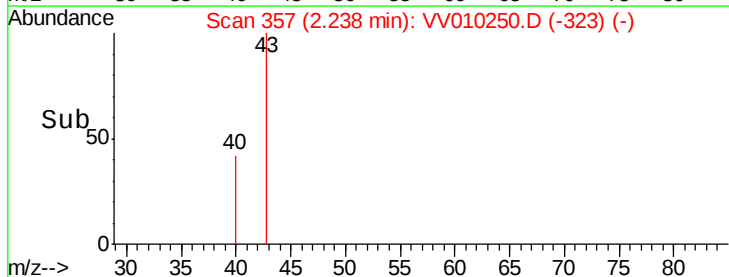
100

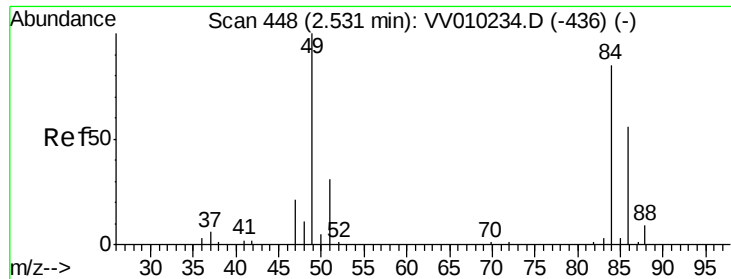
50

0

2.23 2.23 2.24 2.25

Time-->

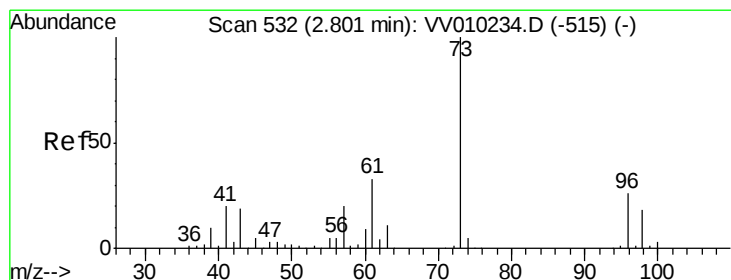
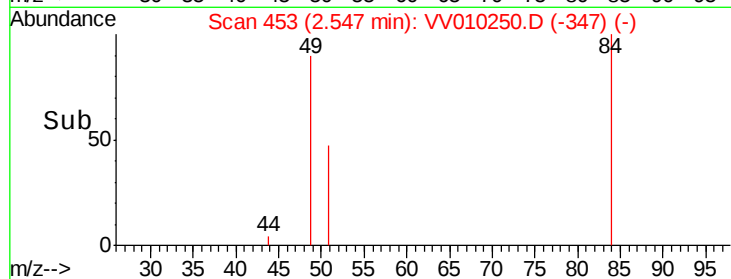
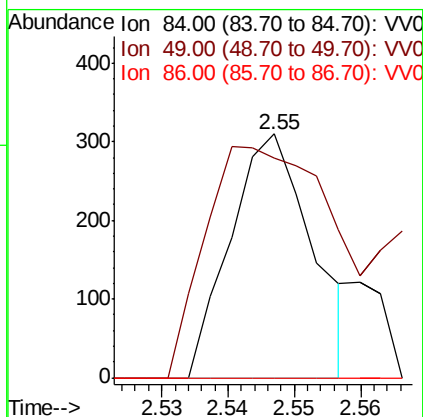
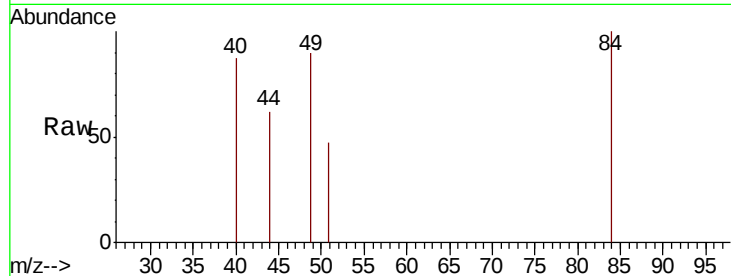




#16
Methylene chloride
Concen: 27.503 ug/L
RT: 2.55 min Scan# 453
Delta R.T. 0.01 min
Lab File: VV010250.D
Acq: 11 Apr 2019 17:57

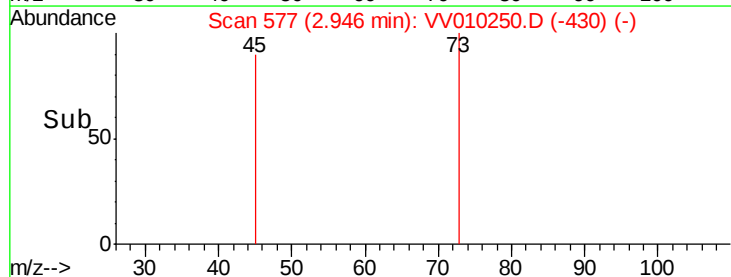
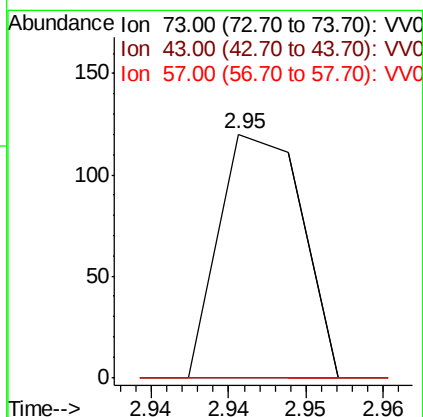
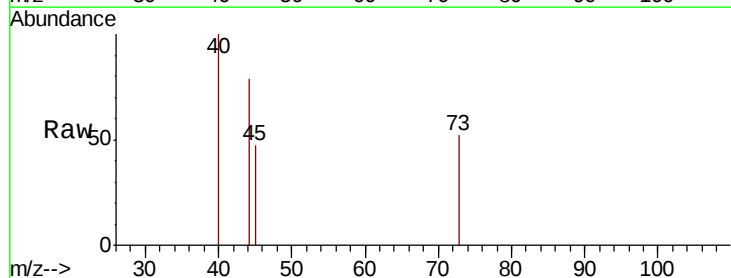
Instrument :
MSVOA_V
ClientSampled :
BFC21

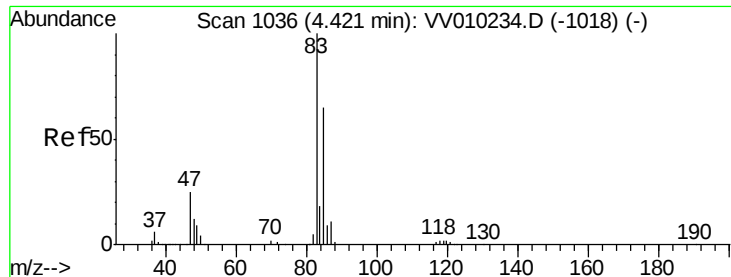
Tgt Ion: 84 Resp: 265
Ion Ratio Lower Upper
84 100
49 90.0 79.9 148.5
86 0.0 44.5 82.7#



#17
Methyl tert-butyl Ether
Concen: 3.204 ug/L
RT: 2.95 min Scan# 577
Delta R.T. 0.14 min
Lab File: VV010250.D
Acq: 11 Apr 2019 17:57

Tgt Ion: 73 Resp: 45
Ion Ratio Lower Upper
73 100
43 60.0 16.0 24.0#
57 0.0 16.6 24.8#





#25

Chloroform

Concen: 10.787 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VV010250.D

Acq: 11 Apr 2019 17:57

Instrument :

MSVOA_V

ClientSampled :

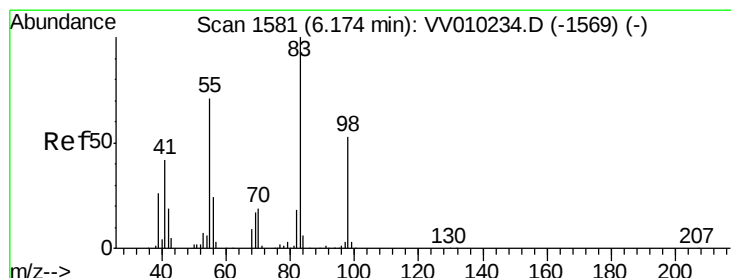
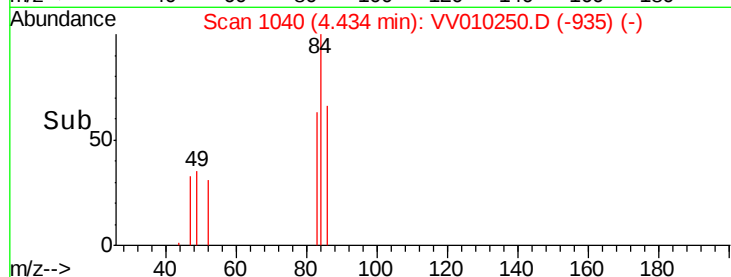
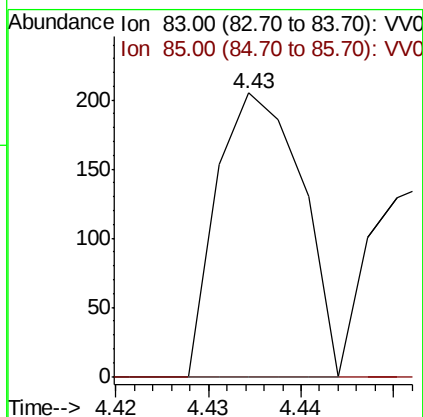
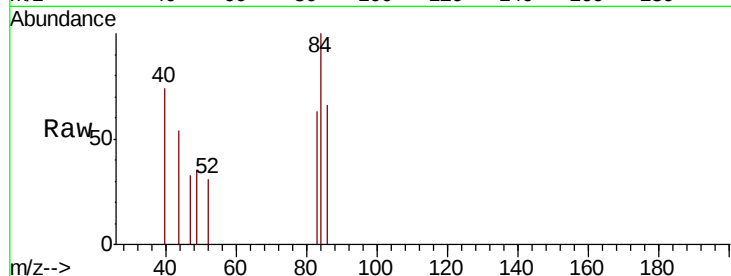
BFC21

Tgt Ion: 83 Resp: 130

Ion Ratio Lower Upper

83 100

85 0.0 45.4 84.2#



#36

Methylcyclohexane

Concen: 4.685 ug/L

RT: 6.13 min Scan# 1568

Delta R.T. -0.04 min

Lab File: VV010250.D

Acq: 11 Apr 2019 17:57

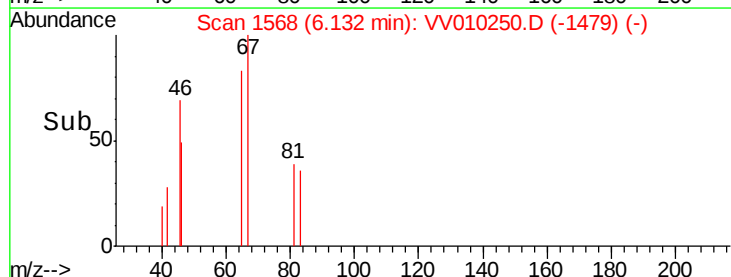
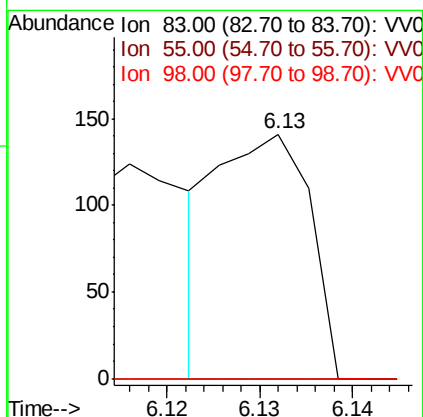
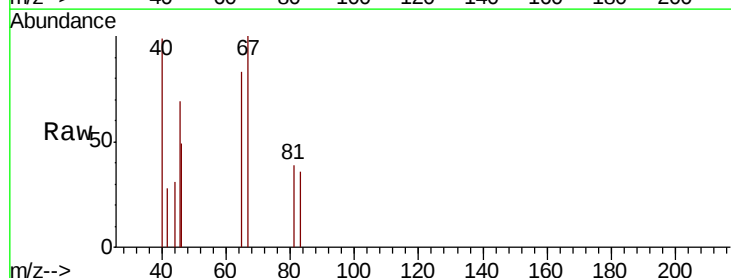
Tgt Ion: 83 Resp: 97

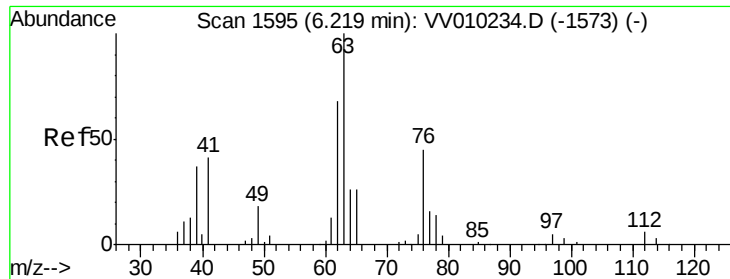
Ion Ratio Lower Upper

83 100

55 0.0 55.7 83.5#

98 0.0 39.4 59.2#

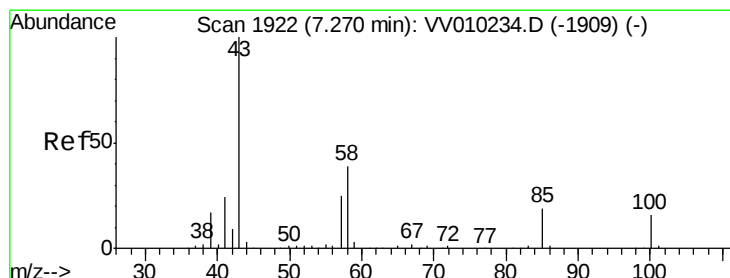
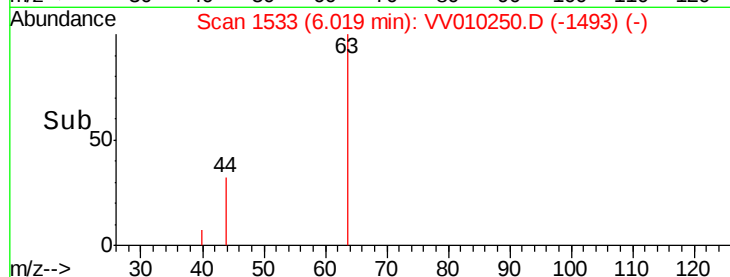
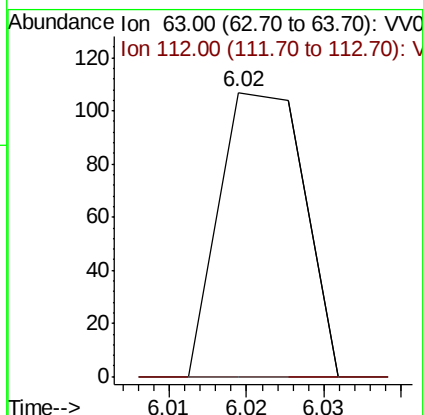
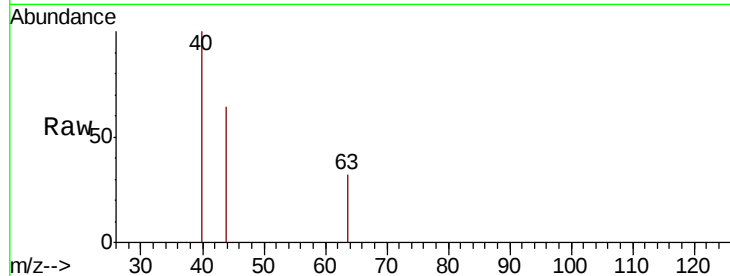




#40
 1,2-Dichloropropane
 Concen: 3.494 ug/L
 RT: 6.02 min Scan# 1533
 Delta R.T. -0.20 min
 Lab File: VV010250.D
 Acq: 11 Apr 2019 17:57

Instrument :
 MSVOA_V
 ClientSampled :
 BFC21

Tgt Ion: 63 Resp: 41
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.0 6.0#



#43
 4-Methyl-2-pentanone
 Concen: 5.530 ug/L
 RT: 7.12 min Scan# 1876
 Delta R.T. -0.15 min
 Lab File: VV010250.D
 Acq: 11 Apr 2019 17:57

Tgt Ion: 43 Resp: 42
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.4 45.6#
 100 264.3 13.5 20.3#

