

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010133.D
 Acq On : 05 Apr 2019 16:12
 Operator : SY/MD
 Sample : K2168-07
 Misc : 5.87G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF657

Quant Time: Apr 05 23:49:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:46:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	197514	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	212169	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84981	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35576	13.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.80%
7) Chloroethane-d5	1.58	69	74671	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.96%
10) 1,1-Dichloroethene-d2	2.13	63	78621	11.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	47.16%
20) 2-Butanone-d5	3.95	46	48451	64.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.78%
24) Chloroform-d	4.40	84	150462	30.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	120.96%
26) 1,2-Dichloroethane-d4	5.08	65	107568	38.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	154.56%#
29) Benzene-d6	5.10	84	297448	27.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.12%
33) 1,2-Dichloropropane-d6	6.12	67	105356	32.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	129.80%#
37) Toluene-d8	7.36	98	268546	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.32%
38) trans-1,3-Dichloropropene-	7.66	79	39627	28.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.20%
39) 2-Hexanone-d5	8.14	63	28142	43.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	100833	31.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	125.96%#
61) 1,2-Dichlorobenzene-d4	11.67	152	101601	30.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	122.76%#

Target Compounds

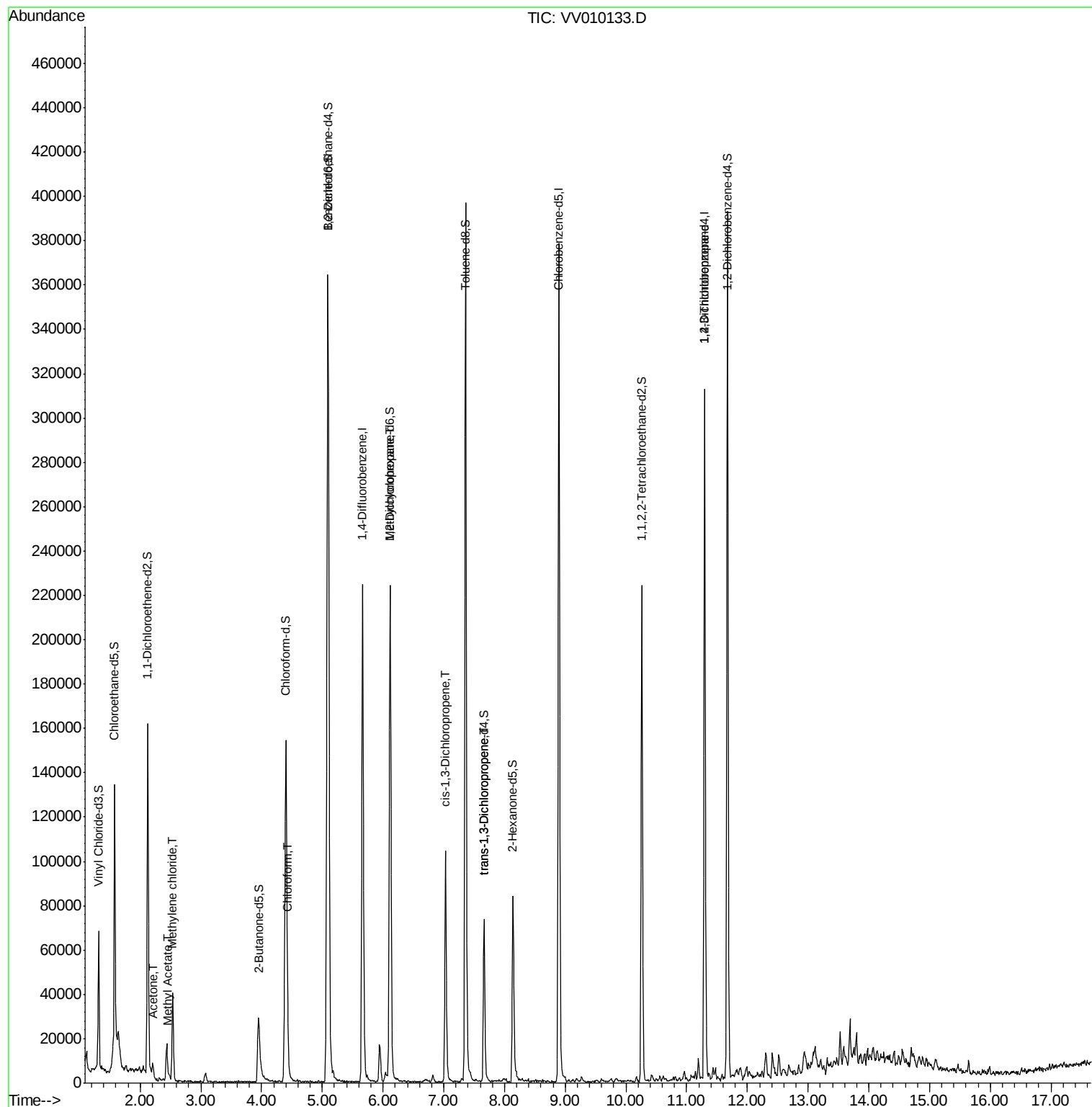
					Qvalue
13) Acetone	2.21	43	9198	12.364 ug/L	97
15) Methyl Acetate	2.47	43	1510	1.269 ug/L #	61
16) Methylene chloride	2.53	84	17078	4.921 ug/L	94
25) Chloroform	4.43	83	6413	1.428 ug/L #	48
36) Methylcyclohexane	6.12	83	25182	5.629 ug/L #	22
42) cis-1,3-Dichloropropene	7.03	75	3209	0.846 ug/L	87
45) trans-1,3-Dichloropropene	7.67	75	2248	0.697 ug/L	98
59) 1,2,3-Trichloropropane	11.29	75	10978	5.128 ug/L	96

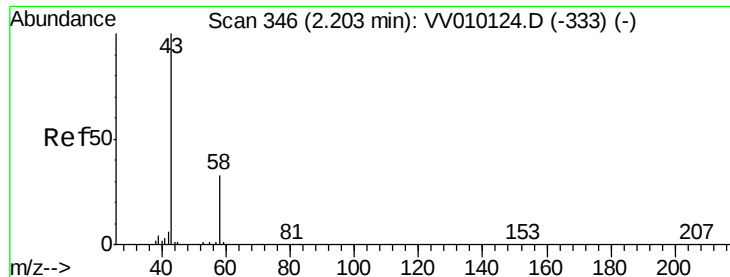
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 12.364 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV010133.D

Acq: 05 Apr 2019 16:12

Instrument :

MSVOA_V

ClientSampled :

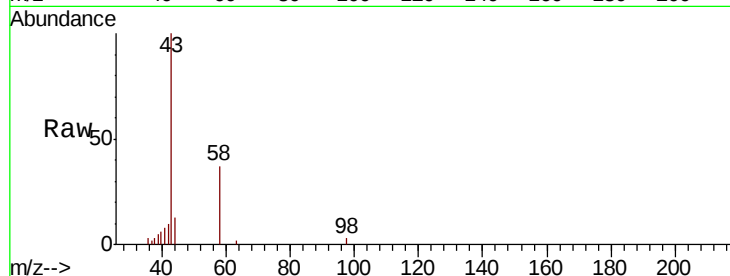
BF657

Tgt Ion: 43 Resp: 9198

Ion Ratio Lower Upper

43 100

58 34.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010124.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV010124.D (-333) (-)

2.21

5000

4000

3000

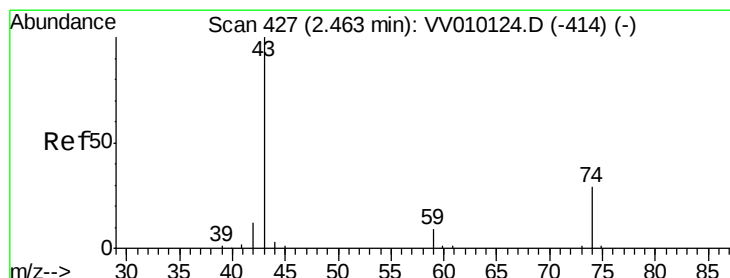
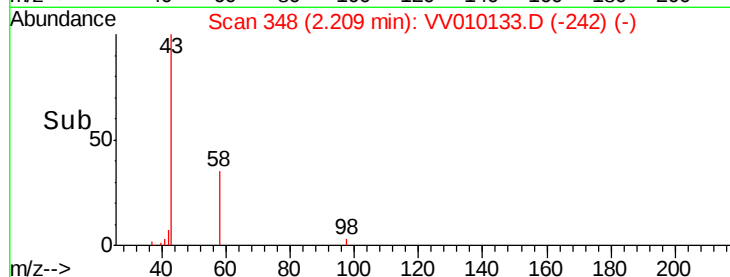
2000

1000

0

Time-->

2.15 2.20 2.25



#15

Methyl Acetate

Concen: 1.269 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

Lab File: VV010133.D

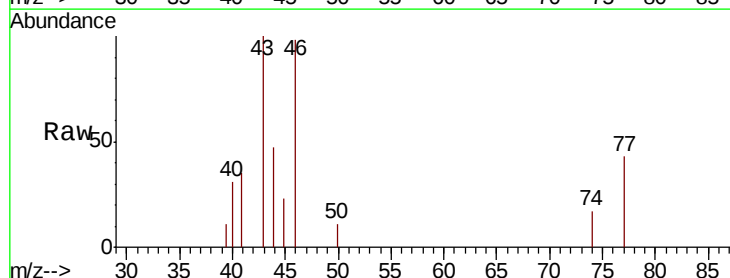
Acq: 05 Apr 2019 16:12

Tgt Ion: 43 Resp: 1510

Ion Ratio Lower Upper

43 100

74 5.4 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VV010124.D (-414) (-)

Ion 74.00 (73.70 to 74.70): VV010124.D (-414) (-)

2.47

1000

800

600

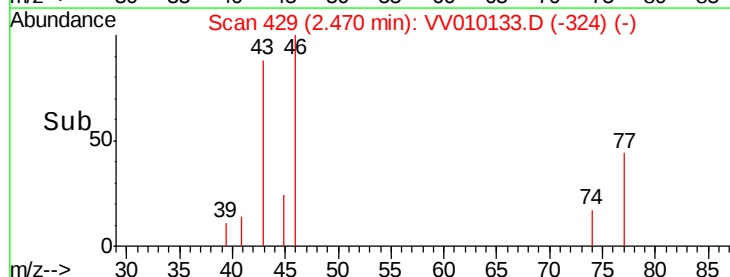
400

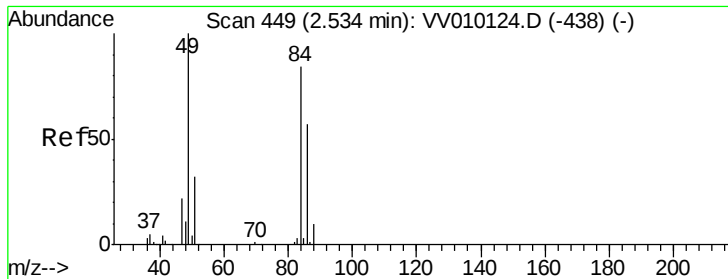
200

0

Time-->

2.45 2.50

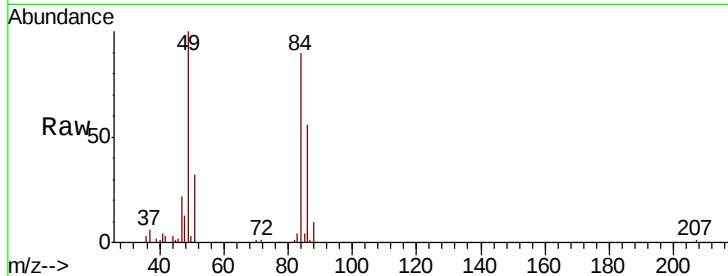




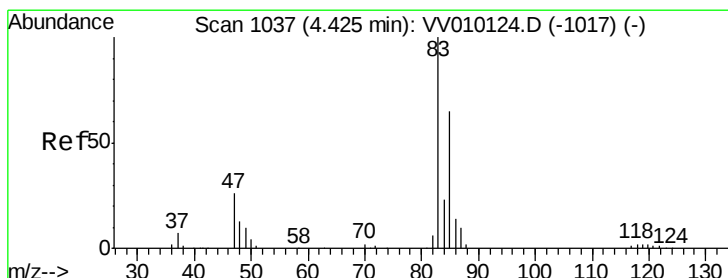
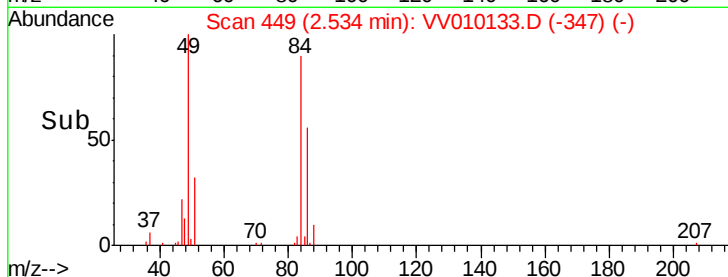
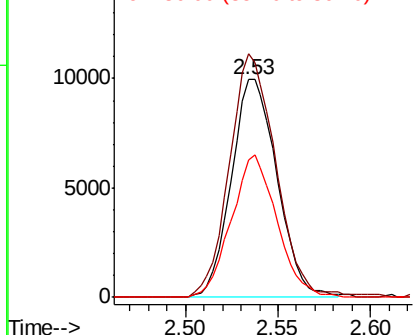
#16
Methylene chloride
Concen: 4.921 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010133.D
Acq: 05 Apr 2019 16:12

Instrument :
MSVOA_V
ClientSampled :
BF657

Tgt Ion: 84 Resp: 17078
Ion Ratio Lower Upper
84 100
49 111.7 84.3 156.5
86 63.1 45.4 84.2

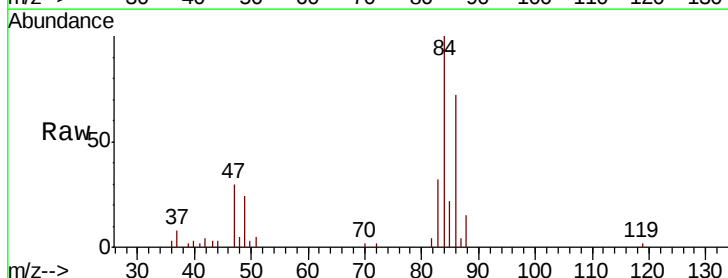


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

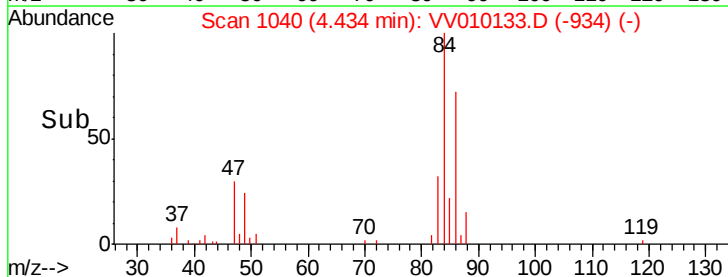
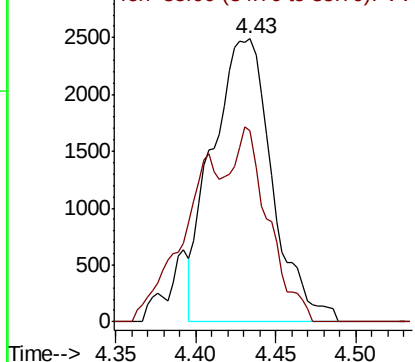


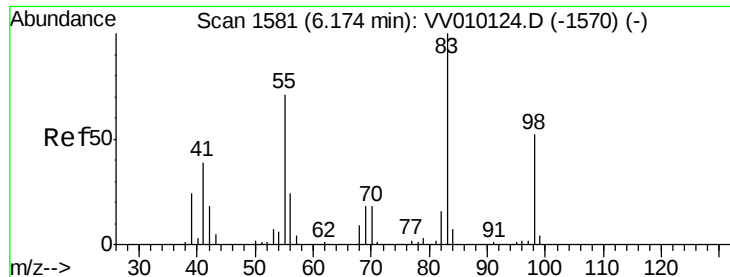
#25
Chloroform
Concen: 1.428 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VV010133.D
Acq: 05 Apr 2019 16:12

Tgt Ion: 83 Resp: 6413
Ion Ratio Lower Upper
83 100
85 25.1 46.4 86.2#



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

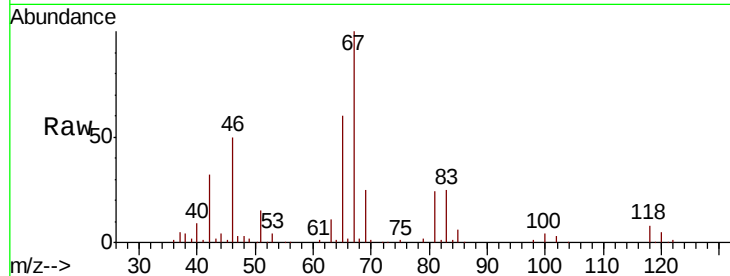




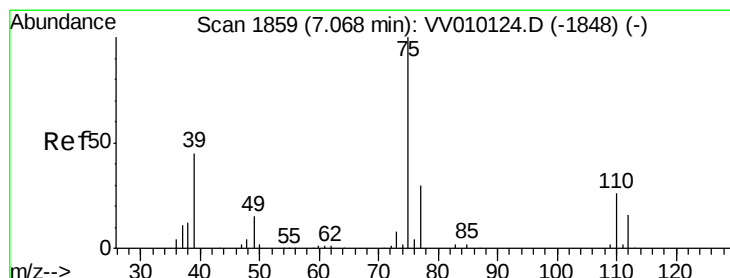
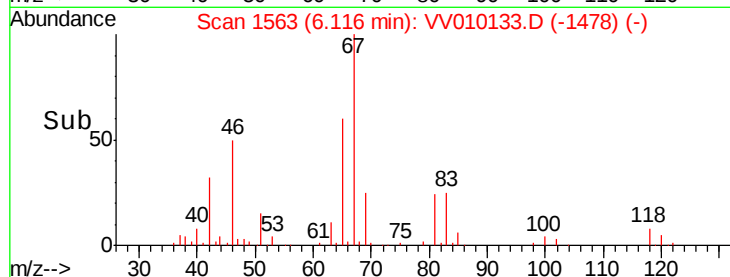
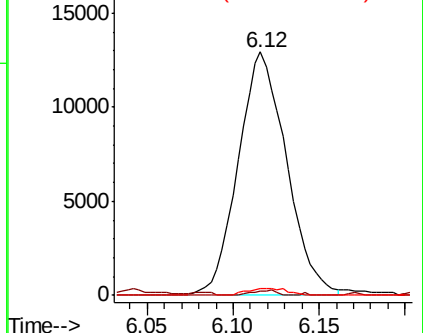
#36
Methylcyclohexane
Concen: 5.629 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV010133.D
Acq: 05 Apr 2019 16:12

Instrument :
MSVOA_V
ClientSampleId :
BF657

Tgt Ion: 83 Resp: 25182
Ion Ratio Lower Upper
83 100
55 1.0 56.3 84.5#
98 1.7 39.0 58.6#

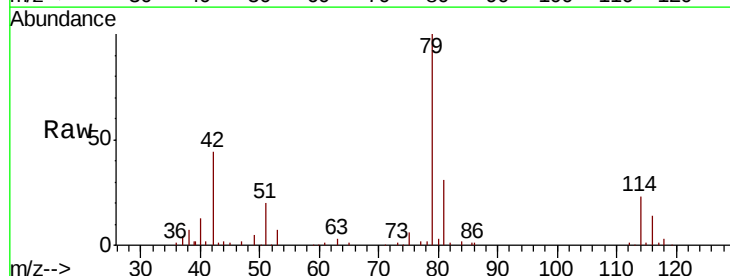


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

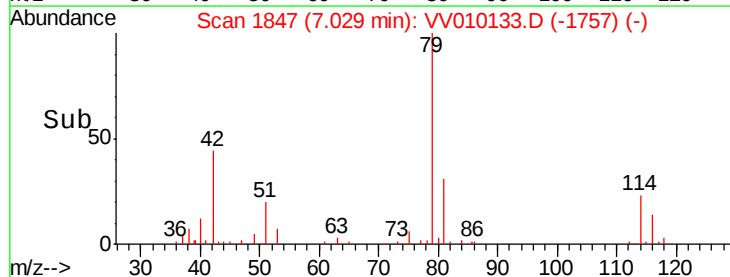
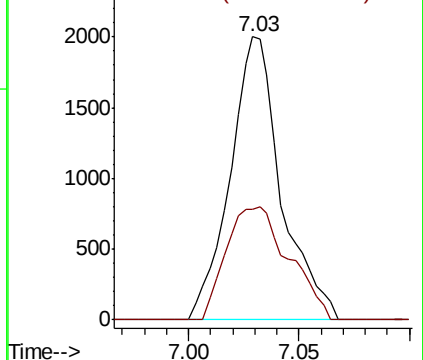


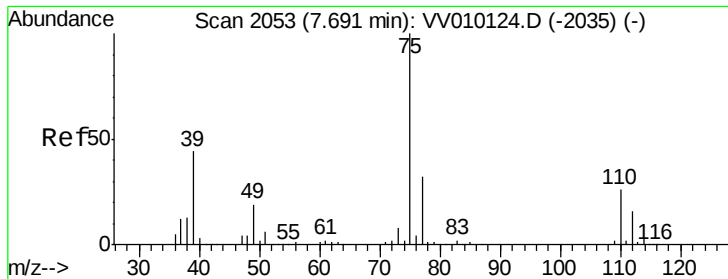
#42
cis-1,3-Dichloropropene
Concen: 0.846 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV010133.D
Acq: 05 Apr 2019 16:12

Tgt Ion: 75 Resp: 3209
Ion Ratio Lower Upper
75 100
77 39.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#45

trans-1,3-Dichloropropene

Concen: 0.697 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010133.D

Acq: 05 Apr 2019 16:12

Instrument :

MSVOA_V

ClientSampled :

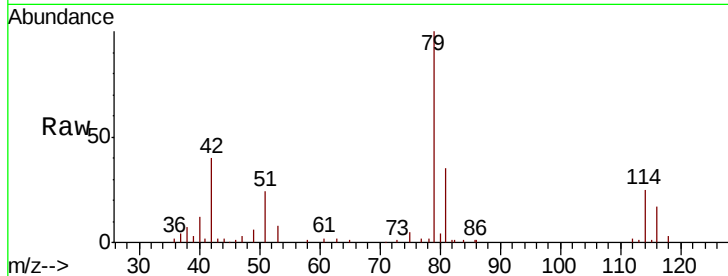
BF657

Tgt Ion: 75 Resp: 2248

Ion Ratio Lower Upper

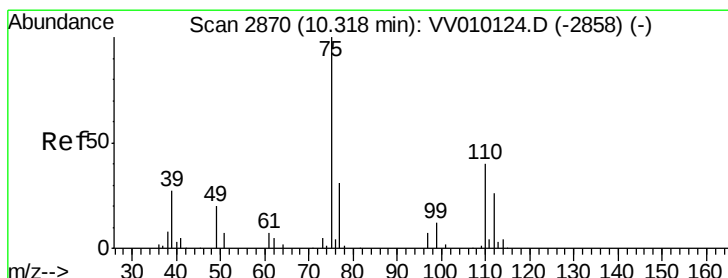
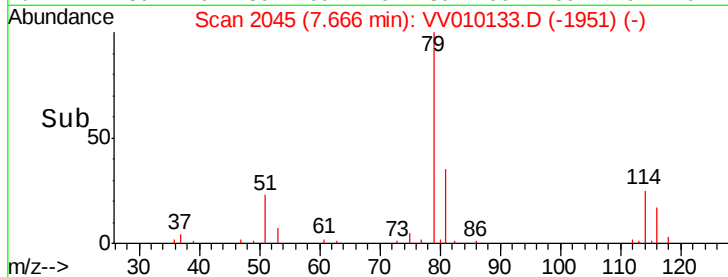
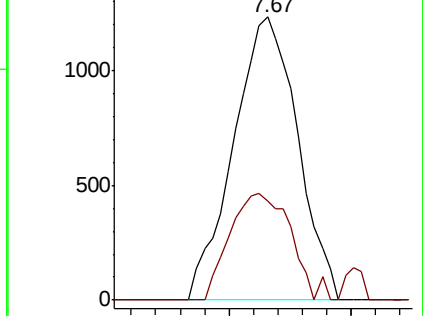
75 100

77 34.8 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.128 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010133.D

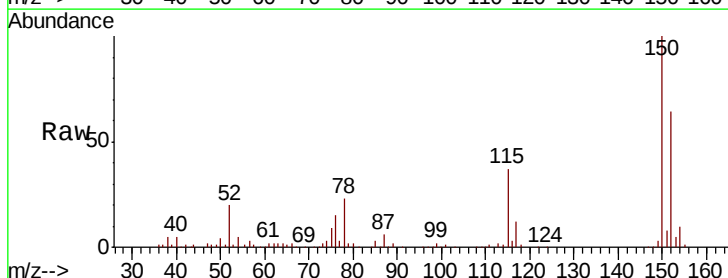
Acq: 05 Apr 2019 16:12

Tgt Ion: 75 Resp: 10978

Ion Ratio Lower Upper

75 100

77 34.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

