

Data File : VV010816.D
Acq On : 10 May 2019 16:19
Operator : SY/MD
Sample : K2693-19
Misc : 4.67G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFHF4

Quant Time: May 10 23:03:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Fri May 10 22:59:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	70110	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	66733	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	23320	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19546	17.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.80%
7) Chloroethane-d5	1.58	69	20091	22.42	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
10) 1,1-Dichloroethene-d2	2.13	63	32299	13.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.68%
20) 2-Butanone-d5	3.94	46	10522	32.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.38%
24) Chloroform-d	4.40	84	42504	22.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.96%
26) 1,2-Dichloroethane-d4	5.08	65	26127	21.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.56%
29) Benzene-d6	5.10	84	79363	22.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.36%
33) 1,2-Dichloropropane-d6	6.12	67	27107	24.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.88%
37) Toluene-d8	7.36	98	65808	19.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.24%
38) trans-1,3-Dichloropropene-	7.66	79	8941	17.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.08%
39) 2-Hexanone-d5	8.13	63	7150	30.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	19971	18.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.96%
61) 1,2-Dichlorobenzene-d4	11.67	152	19168	21.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.88%

Target Compounds

					Qvalue
13) Acetone	2.19	43	4828	9.542 ug/L	99
16) Methylene chloride	2.54	84	2548	2.350 ug/L	86
25) Chloroform	4.43	83	2916	1.374 ug/L	99
35) Trichloroethene	5.66	95	2153	1.962 ug/L #	7
36) Methylcyclohexane	6.12	83	6558	3.729 ug/L #	17
40) 1,2-Dichloropropane	6.12	63	3145	3.018 ug/L #	87
59) 1,2,3-Trichloropropane	11.30	75	3604	4.117 ug/L #	86

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BFHF4

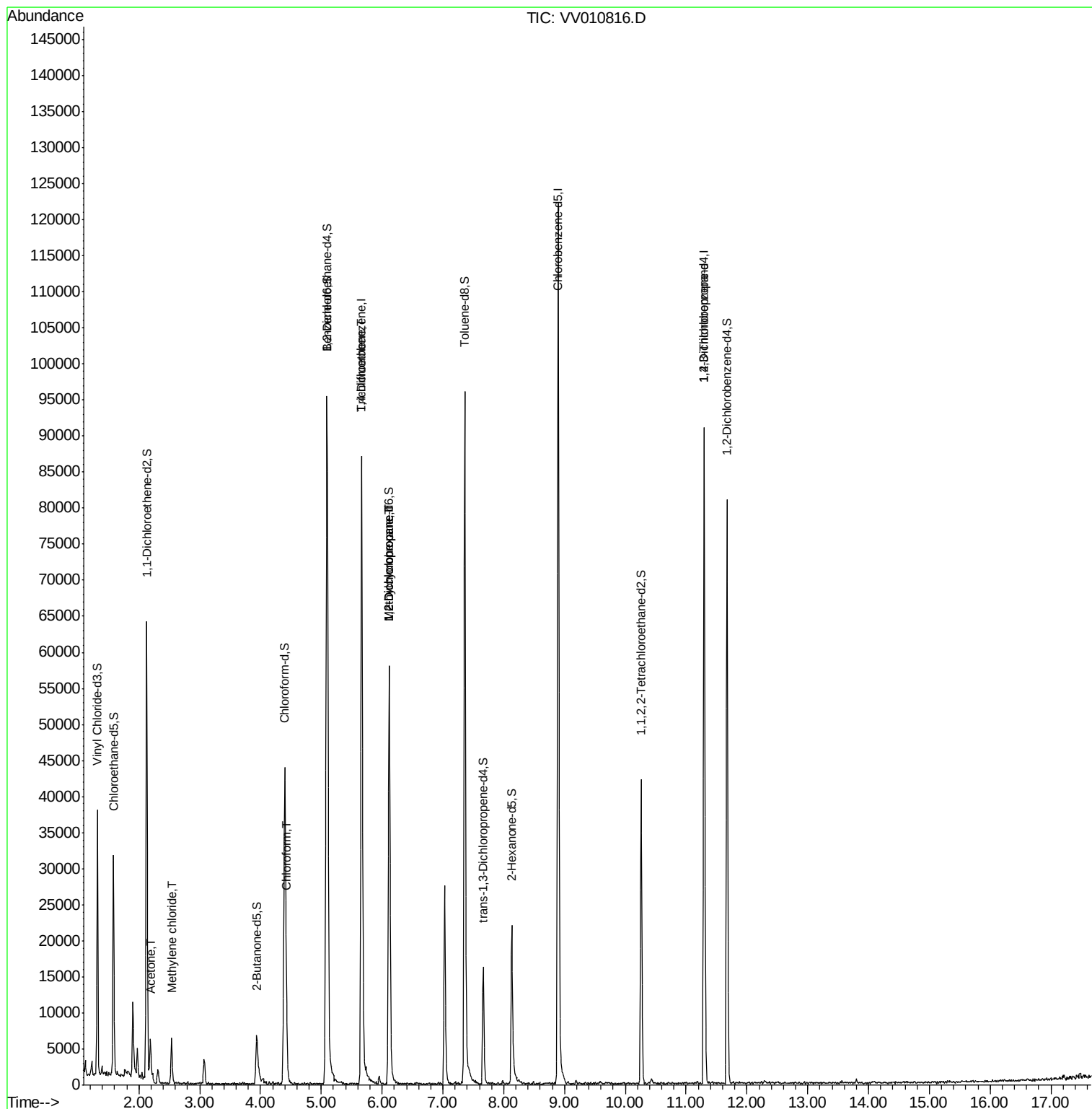
Quant Time: May 10 23:03:53 2019

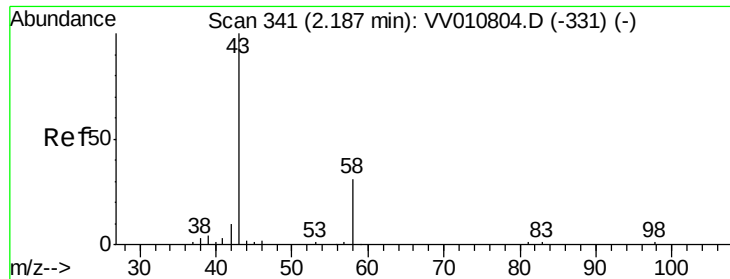
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM050719S.M

Quant Title : VOC Analysis

QLast Update : Fri May 10 22:59:03 2019

Response via : Initial Calibration





#13

Acetone

Concen: 9.542 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010816.D

Acq: 10 May 2019 16:19

Instrument :

MSVOA_V

ClientSampled :

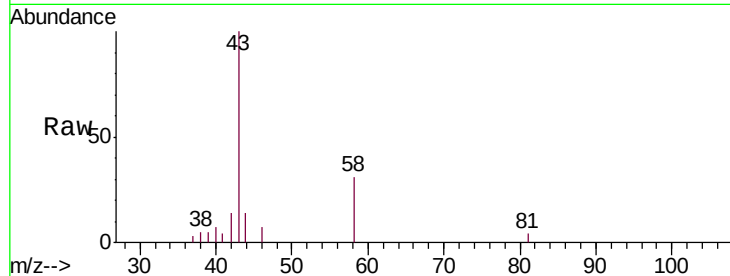
BFHF4

Tgt Ion: 43 Resp: 4828

Ion Ratio Lower Upper

43 100

58 32.2 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010816.D (-342) (-)

Ion 58.00 (57.70 to 58.70): VV010816.D (-342) (-)

2.19

3000

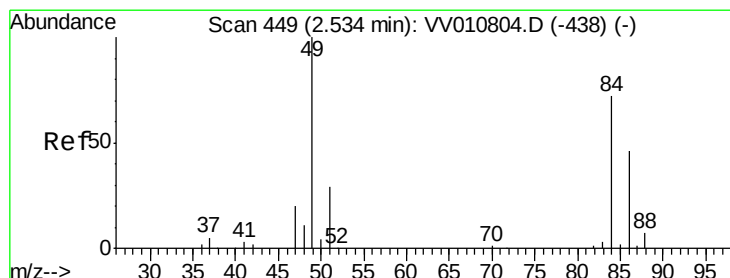
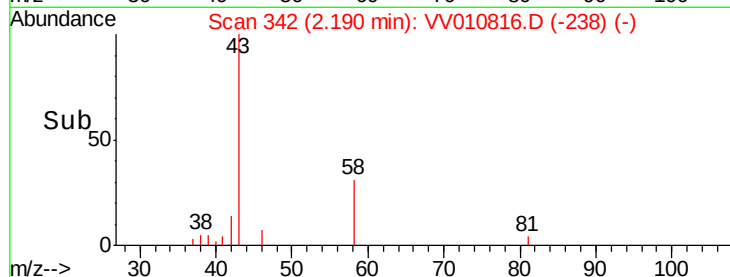
2000

1000

0

Time-->

2.15 2.20 2.25



#16

Methylene chloride

Concen: 2.350 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010816.D

Acq: 10 May 2019 16:19

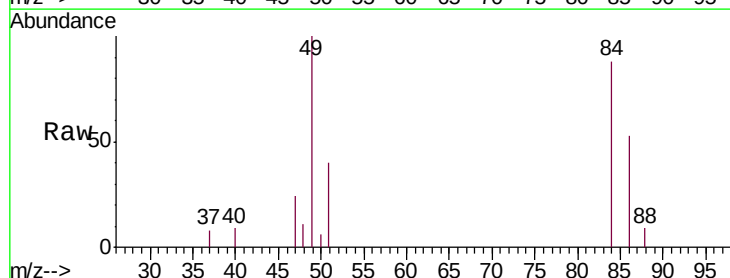
Tgt Ion: 84 Resp: 2548

Ion Ratio Lower Upper

84 100

49 113.4 92.9 172.5

86 60.1 46.5 86.5



Abundance Ion 84.00 (83.70 to 84.70): VV010816.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV010816.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV010816.D (-346) (-)

2500

2000

1500

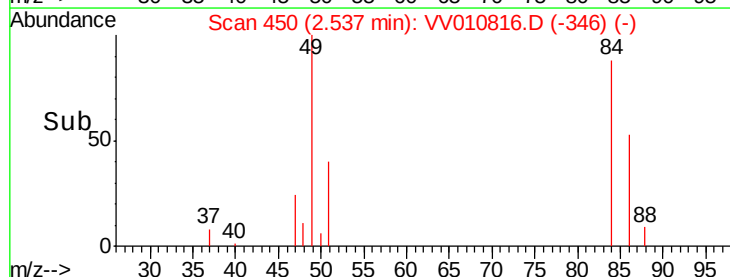
1000

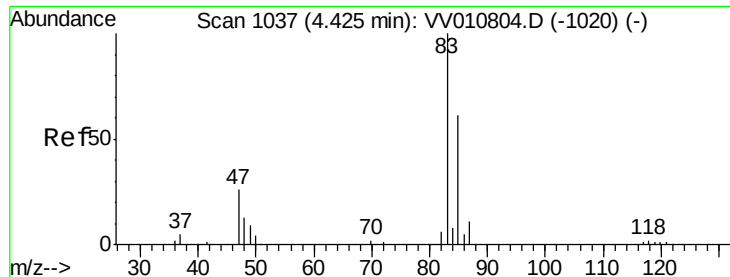
500

0

Time-->

2.50 2.55





#25

Chloroform

Concen: 1.374 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV010816.D

Acq: 10 May 2019 16:19

Instrument :

MSVOA_V

ClientSampled :

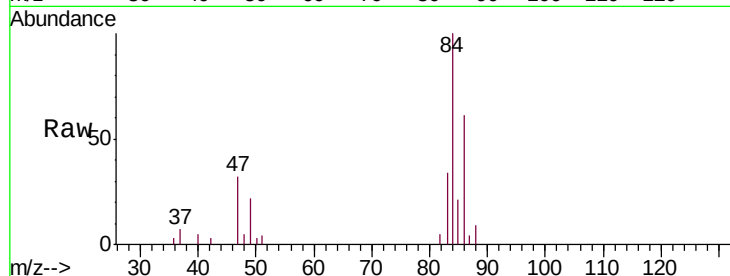
BFHF4

Tgt Ion: 83 Resp: 2916

Ion Ratio Lower Upper

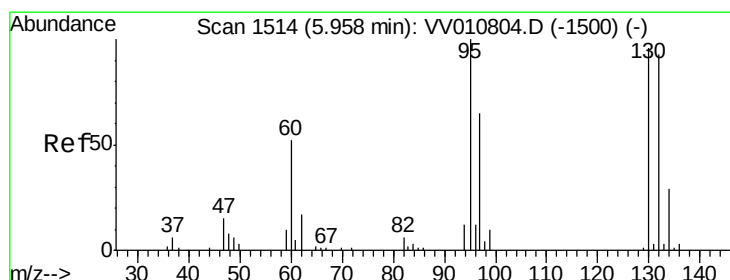
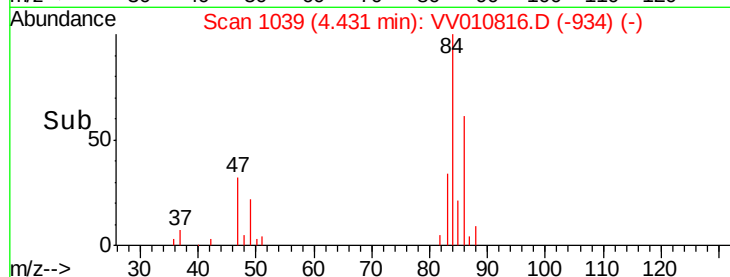
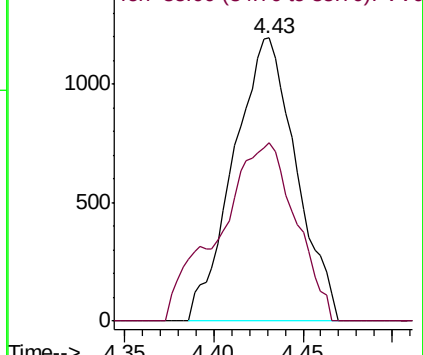
83 100

85 64.2 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV010816.D (-934) (-)

Ion 85.00 (84.70 to 85.70): VV010816.D (-934) (-)



#35

Trichloroethene

Concen: 1.962 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV010816.D

Acq: 10 May 2019 16:19

Tgt Ion: 95 Resp: 2153

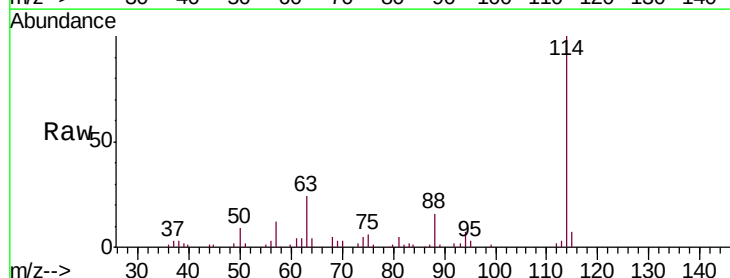
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 62.4 115.8#

130 0.0 68.5 127.3#

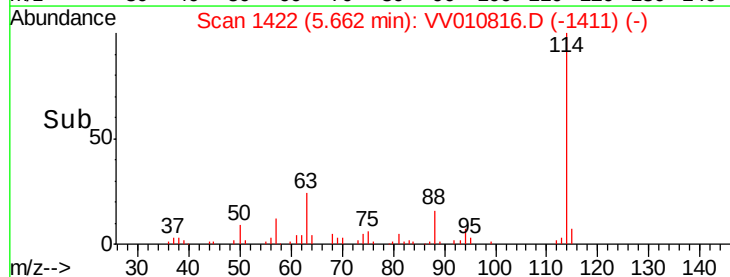
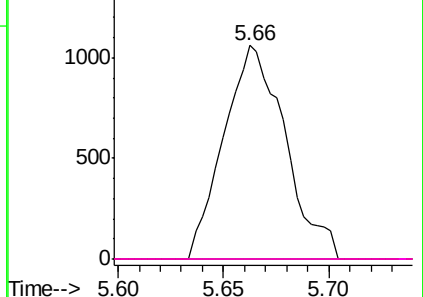


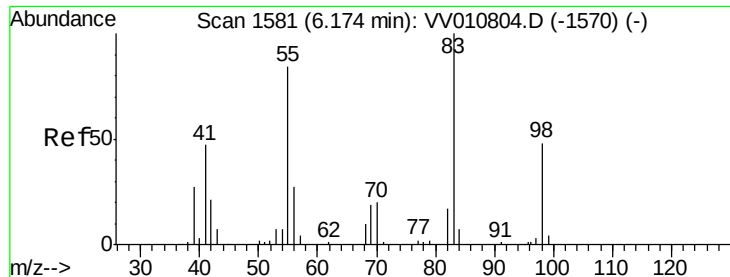
Abundance Ion 95.00 (94.70 to 95.70): VV010816.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV010816.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV010816.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV010816.D (-1411) (-)

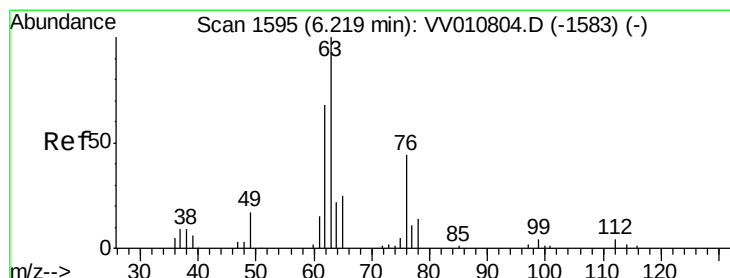
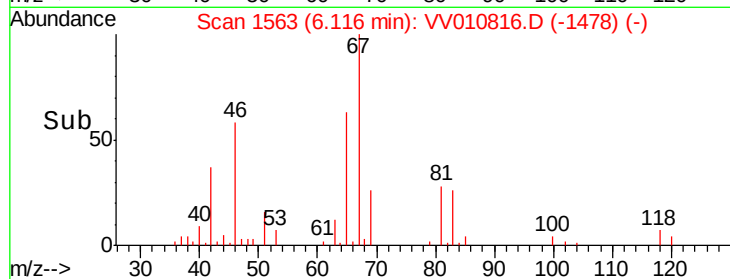
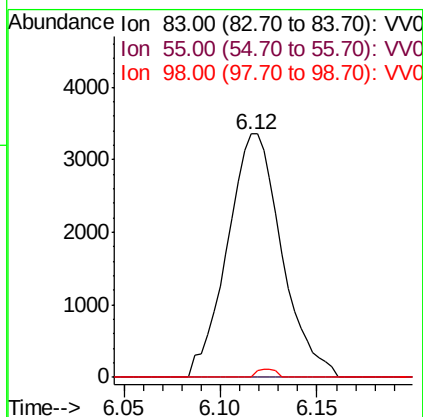
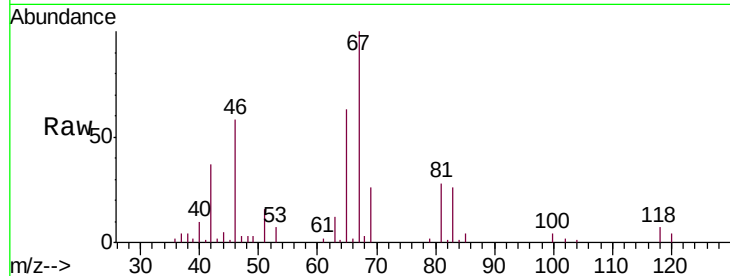




#36
Methylcyclohexane
Concen: 3.729 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV010816.D
Acq: 10 May 2019 16:19

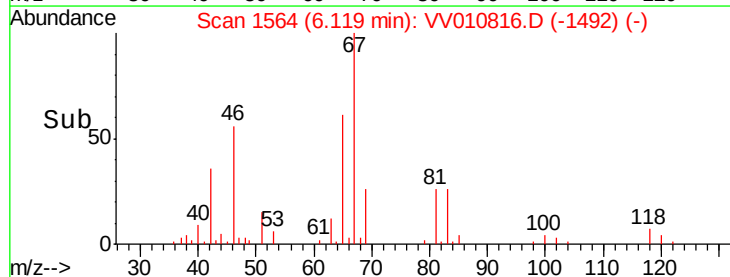
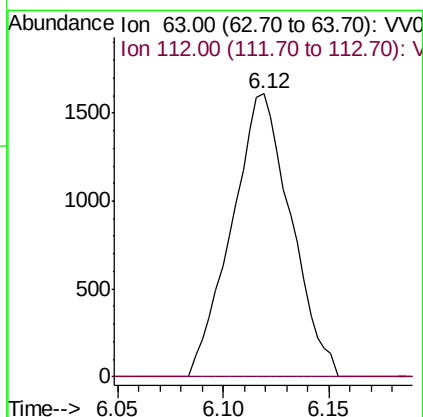
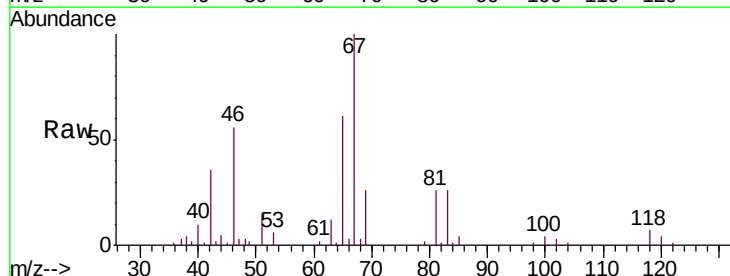
Instrument :
MSVOA_V
ClientSampleId :
BFHF4

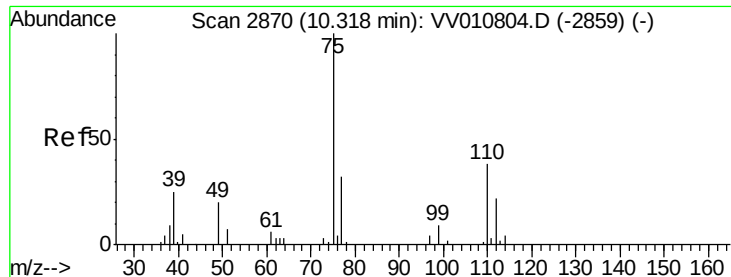
Tgt Ion: 83 Resp: 6558
Ion Ratio Lower Upper
83 100
55 0.0 64.6 96.8#
98 0.9 37.7 56.5#



#40
1,2-Dichloropropane
Concen: 3.018 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV010816.D
Acq: 10 May 2019 16:19

Tgt Ion: 63 Resp: 3145
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#59

1,2,3-Trichloropropane

Concen: 4.117 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010816.D

Acq: 10 May 2019 16:19

Instrument :

MSVOA_V

ClientSampleId :

BFHF4

Tgt Ion: 75 Resp: 3604

Ion Ratio Lower Upper

75 100

77 39.3 25.0 37.6#

