

Data File : VV009071.D
Acq On : 20 Dec 2018 01:37
Operator : SY/MD
Sample : J6471-17
Misc : 5.42G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9H04

Quant Time: Dec 20 03:50:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 03:44:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	170056	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	137951	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	42516	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39839	22.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.56%
7) Chloroethane-d5	1.58	69	39735	30.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.24%
10) 1,1-Dichloroethene-d2	2.13	63	78887	17.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.72%
20) 2-Butanone-d5	3.94	46	14788	23.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	46.16%
24) Chloroform-d	4.40	84	103311	25.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.08%
26) 1,2-Dichloroethane-d4	5.08	65	61307	27.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.92%
29) Benzene-d6	5.10	84	200291	26.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.00%
33) 1,2-Dichloropropane-d6	6.12	67	61558	28.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.16%
37) Toluene-d8	7.36	98	169542	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
38) trans-1,3-Dichloropropene-	7.67	79	20814	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.84%
39) 2-Hexanone-d5	8.14	63	10364	26.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	52.46%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	39942	22.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.28%
61) 1,2-Dichlorobenzene-d4	11.68	152	37219	23.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.32%

Target Compounds

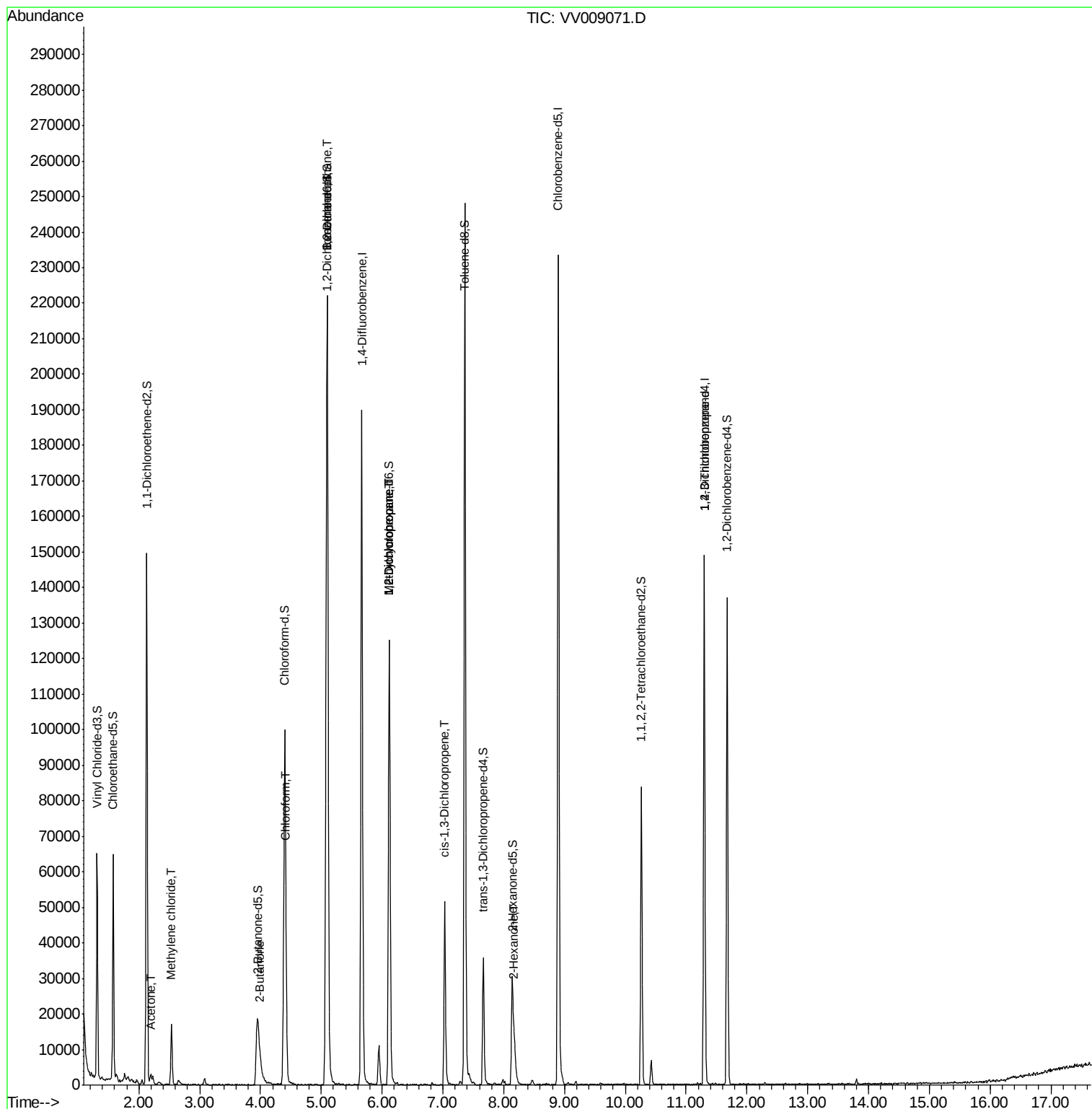
					Qvalue
13) Acetone	2.20	43	2475	2.622 ug/L	98
16) Methylene chloride	2.53	84	7361	2.571 ug/L	96
21) 2-Butanone	3.99	43	2285	2.583 ug/L #	47
25) Chloroform	4.43	83	2857	0.693 ug/L #	60
27) 1,2-Dichloroethane	5.10	62	796	0.284 ug/L #	75
36) Methylcyclohexane	6.12	83	14870	3.742 ug/L #	20
40) 1,2-Dichloropropane	6.12	63	7035	3.547 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	1222	0.421 ug/L #	57
49) 2-Hexanone	8.17	43	2119	1.910 ug/L #	55
59) 1,2,3-Trichloropropane	11.30	75	4457	2.883 ug/L #	86

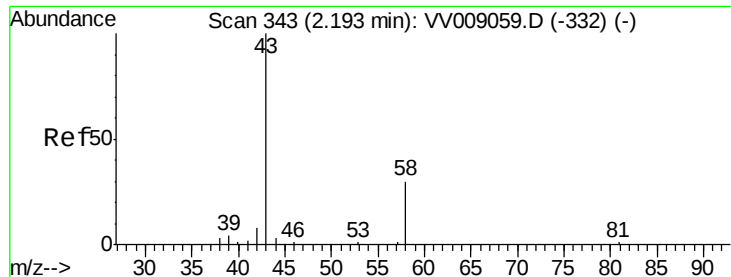
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.622 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV009071.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_V

ClientSampled :

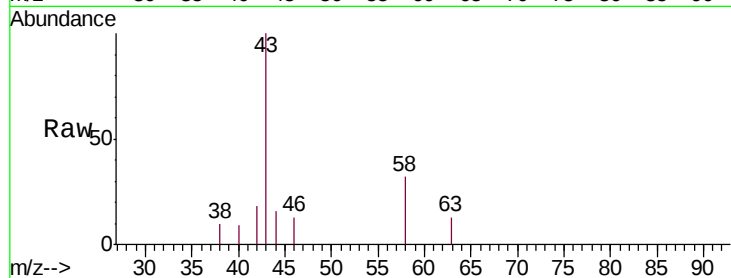
F9H04

Tgt Ion: 43 Resp: 2475

Ion Ratio Lower Upper

43 100

58 31.8 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009071.D (-345) (-)

Ion 58.00 (57.70 to 58.70): VV009071.D (-345) (-)

2.20

1500

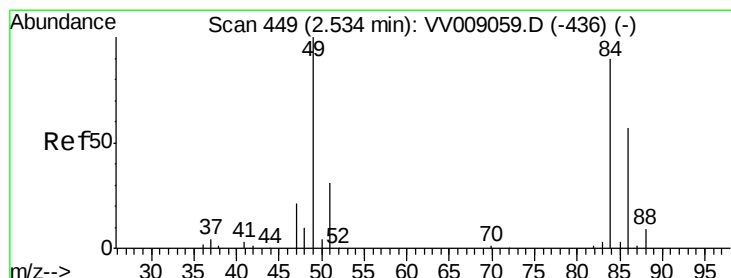
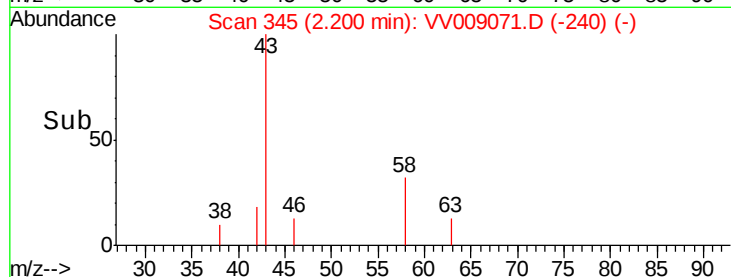
1000

500

0

Time-->

2.15 2.20 2.25



#16

Methylene chloride

Concen: 2.571 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009071.D

Acq: 20 Dec 2018 01:37

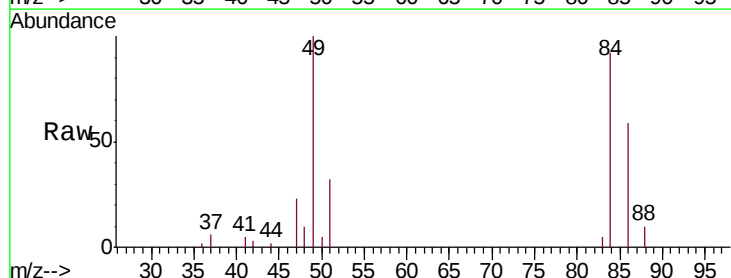
Tgt Ion: 84 Resp: 7361

Ion Ratio Lower Upper

84 100

49 108.5 80.5 149.5

86 63.9 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009071.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009071.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009071.D (-346) (-)

2.53

6000

5000

4000

3000

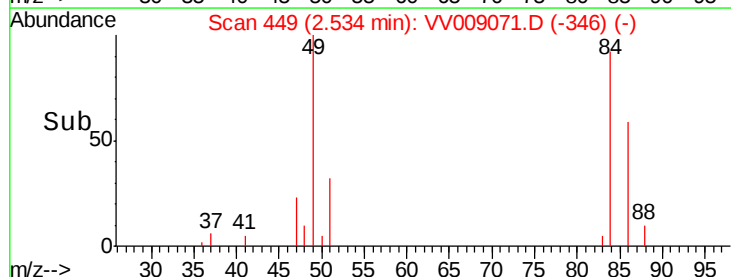
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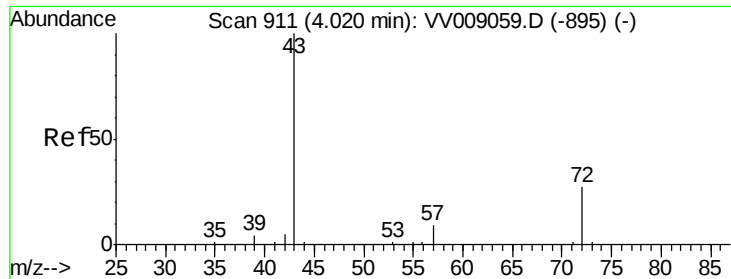
1000

0

Time-->

2.50 2.55 2.60

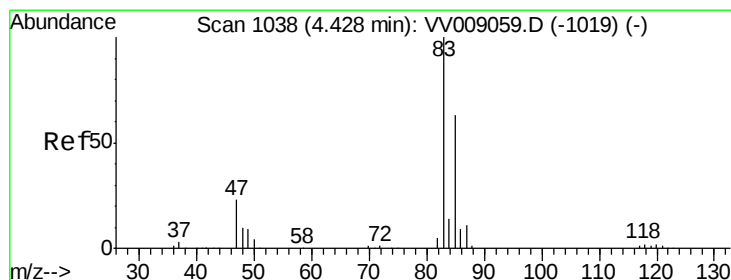
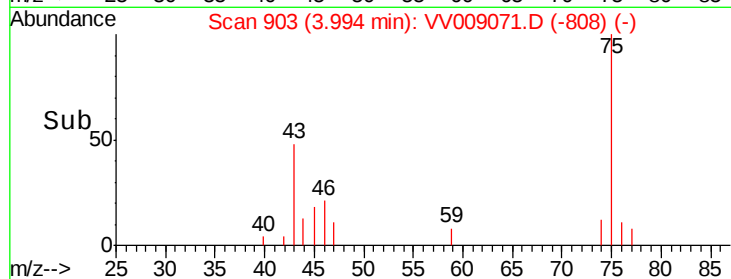
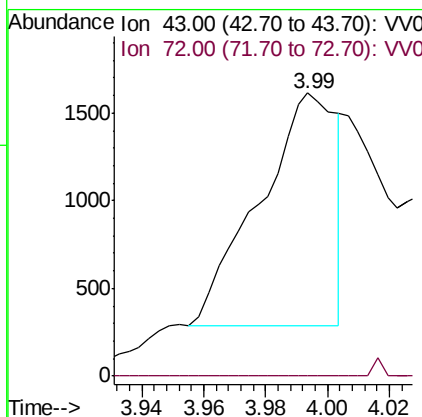
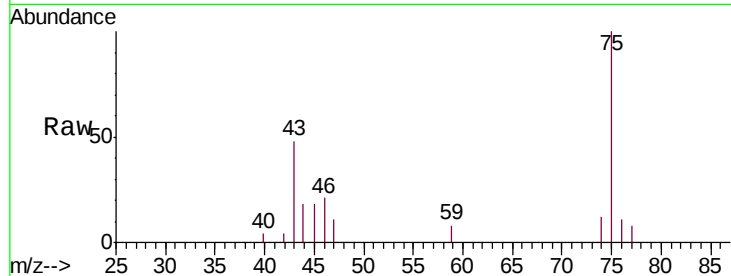




#21
 2-Butanone
 Concen: 2.583 ug/L
 RT: 3.99 min Scan# 903
 Delta R.T. -0.03 min
 Lab File: VV009071.D
 Acq: 20 Dec 2018 01:37

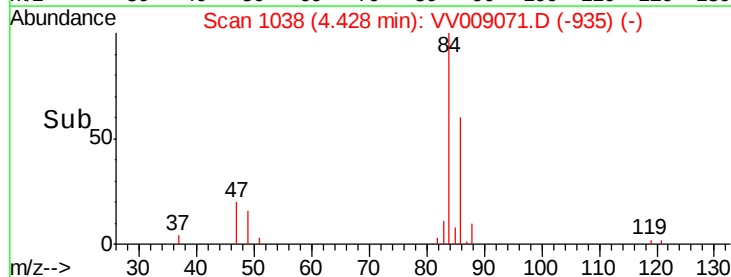
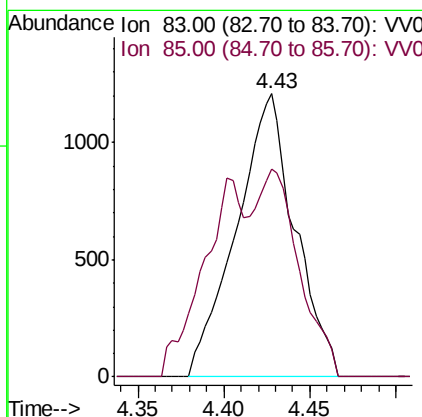
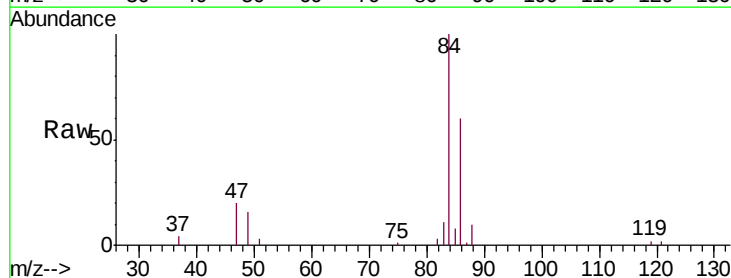
Instrument :
 MSVOA_V
 ClientSampled :
 F9H04

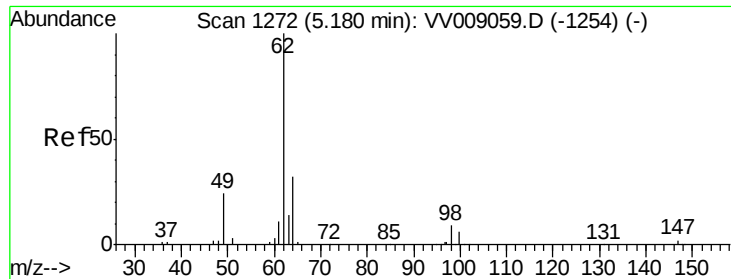
Tgt Ion: 43 Resp: 2285
 Ion Ratio Lower Upper
 43 100
 72 0.0 13.7 41.1#



#25
 Chloroform
 Concen: 0.693 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VV009071.D
 Acq: 20 Dec 2018 01:37

Tgt Ion: 83 Resp: 2857
 Ion Ratio Lower Upper
 83 100
 85 33.9 45.6 84.8#

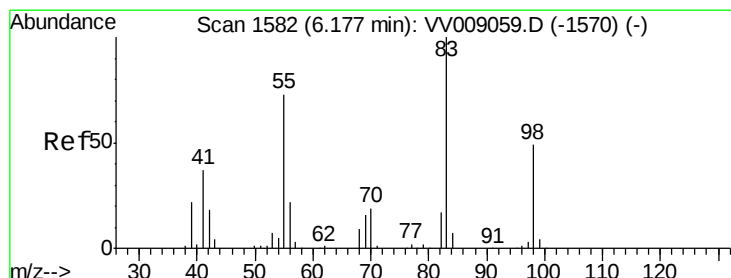
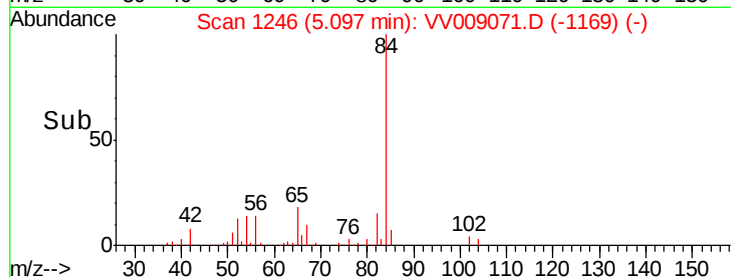
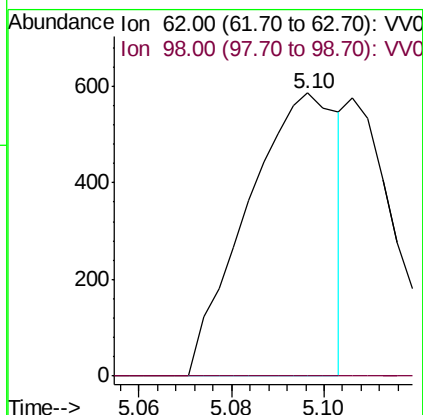
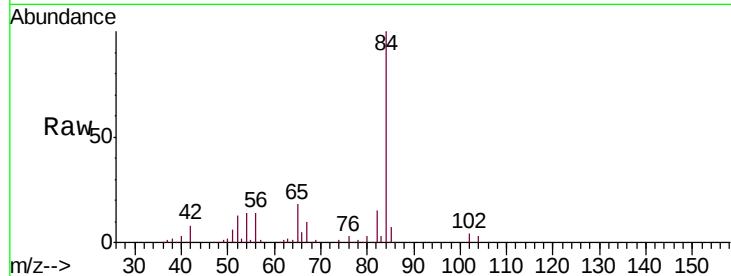




#27
 1,2-Dichloroethane
 Concen: 0.284 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV009071.D
 Acq: 20 Dec 2018 01:37

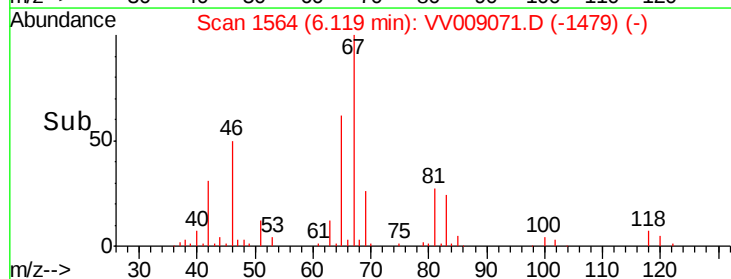
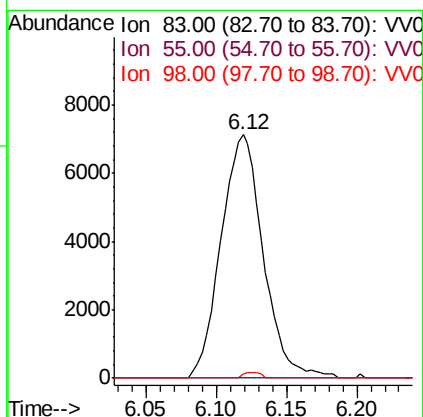
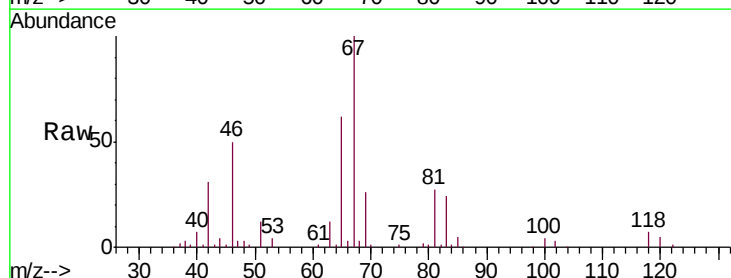
Instrument :
 MSVOA_V
 ClientSampleId :
 F9H04

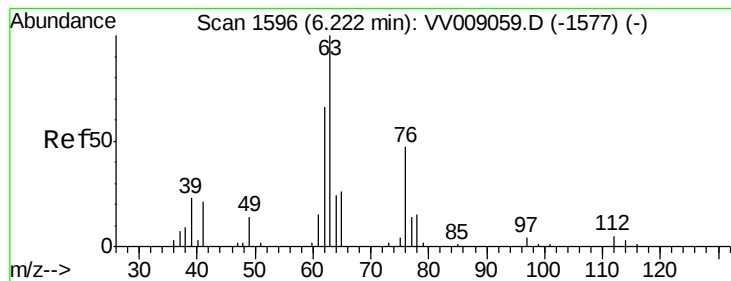
Tgt Ion: 62 Resp: 796
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.0#



#36
 Methylcyclohexane
 Concen: 3.742 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.06 min
 Lab File: VV009071.D
 Acq: 20 Dec 2018 01:37

Tgt Ion: 83 Resp: 14870
 Ion Ratio Lower Upper
 83 100
 55 0.0 58.2 87.2#
 98 0.9 37.8 56.8#





#40

1,2-Dichloropropane

Concen: 3.547 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009071.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_V

ClientSampled :

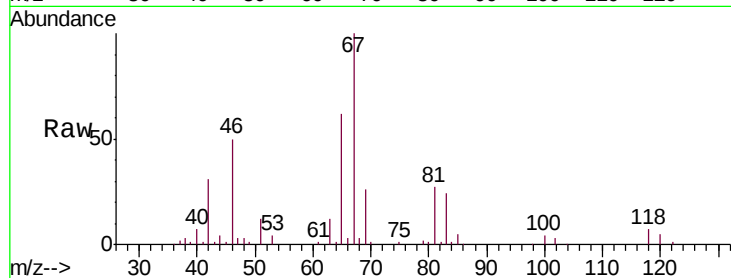
F9H04

Tgt Ion: 63 Resp: 7035

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV009059.D (-1577) (-)

Ion 112.00 (111.70 to 112.70): VV009059.D (-1577) (-)

6.12

4000

3000

2000

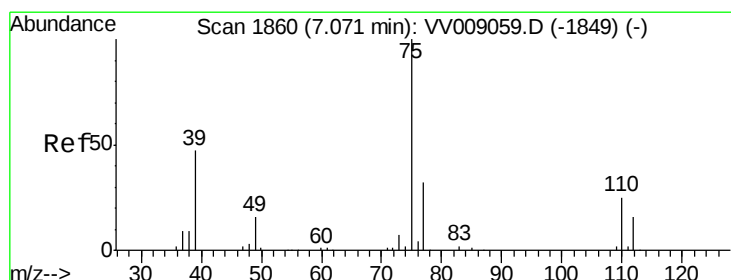
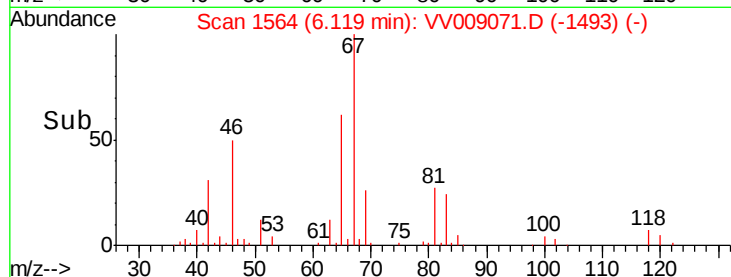
1000

0

6.05

6.10

6.15



#42

cis-1,3-Dichloropropene

Concen: 0.421 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009071.D

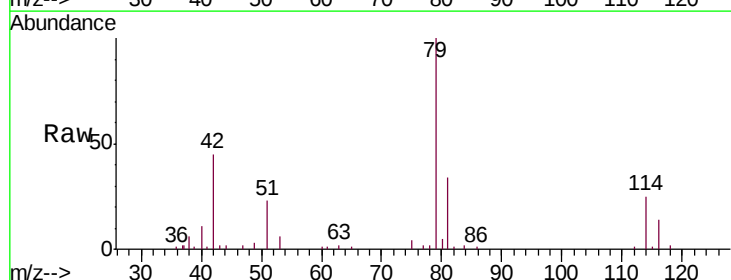
Acq: 20 Dec 2018 01:37

Tgt Ion: 75 Resp: 1222

Ion Ratio Lower Upper

75 100

77 54.1 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VV009059.D (-1849) (-)

Ion 77.00 (76.70 to 77.70): VV009059.D (-1849) (-)

7.03

800

600

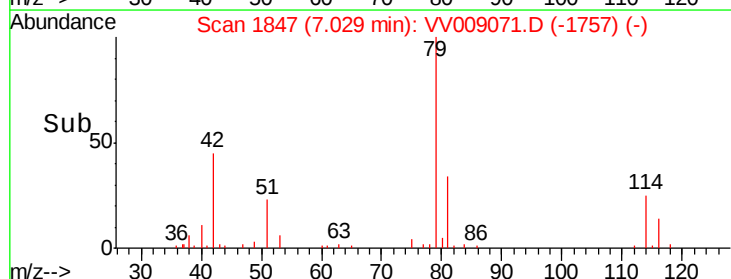
400

200

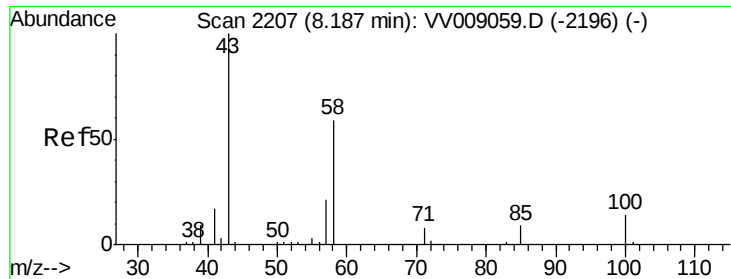
0

7.00

7.05



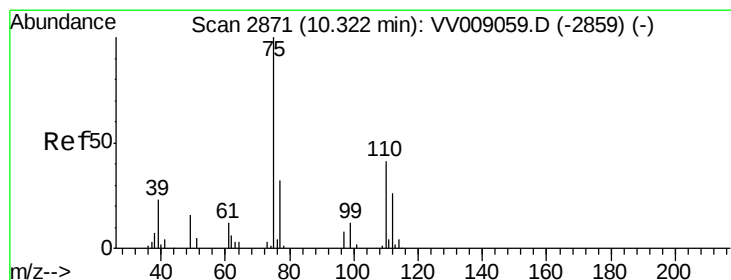
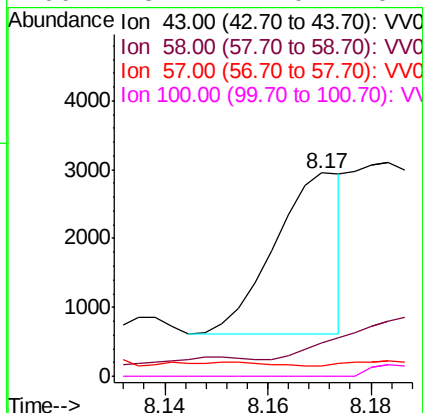
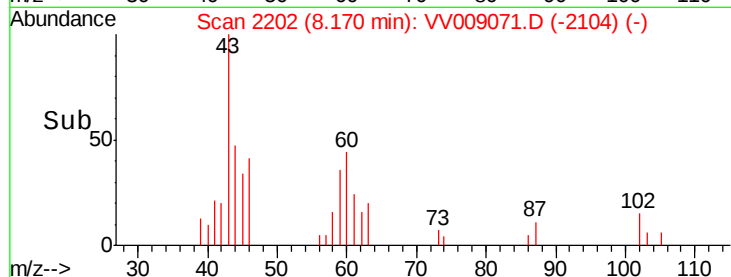
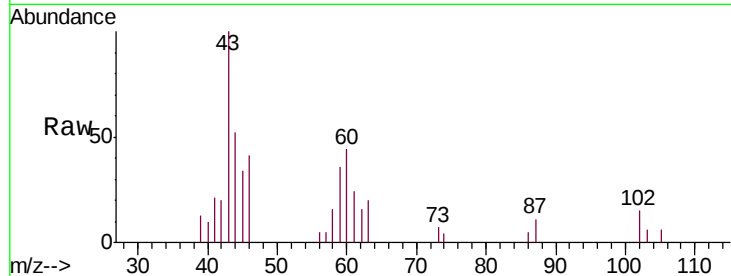
Time-->



#49
2-Hexanone
Concen: 1.910 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. -0.02 min
Lab File: VV009071.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_V
ClientSampleId :
F9H04

Tgt Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
58 93.9 43.9 65.9#
57 3.4 15.7 23.5#
100 5.4 11.0 16.4#



#59
1,2,3-Trichloropropane
Concen: 2.883 ug/L
RT: 11.30 min Scan# 3175
Delta R.T. 0.98 min
Lab File: VV009071.D
Acq: 20 Dec 2018 01:37

Tgt Ion: 75 Resp: 4457
Ion Ratio Lower Upper
75 100
77 39.7 25.6 38.4#

