

Data File : VV010406.D
Acq On : 20 Apr 2019 01:53
Operator : SY/MD
Sample : K2456-23
Misc : 5.09G/10mL/MSVOA_V/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP1

Quant Time: Apr 20 04:39:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 04:30:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.68	114	1563	25.00	ug/L	0.02
28) Chlorobenzene-d5	8.89	117	162	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.32	152	250	25.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	1100	55.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	221.68%#
7) Chloroethane-d5	1.59	69	706	42.35	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	169.40%#
10) 1,1-Dichloroethene-d2	2.14	63	1472	30.74	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	122.96%#
20) 2-Butanone-d5	0.00	46	0	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
24) Chloroform-d	4.38	84	268	6.52	ug/L	-0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	26.08%#
26) 1,2-Dichloroethane-d4	5.09	65	243	10.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	40.08%#
29) Benzene-d6	5.10	84	2770	334.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	1336.16%#
33) 1,2-Dichloropropane-d6	6.12	67	813	335.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	1340.00%#
37) Toluene-d8	7.37	98	1165	146.14	ug/L	0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	=	584.56%#
38) trans-1,3-Dichloropropene-	7.69	79	51	42.73	ug/L	0.04
Spiked Amount	25.000	Range	30 - 135	Recovery	=	170.92%#
39) 2-Hexanone-d5	8.14	63	40	74.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.04%#
48) 1,1,2,2-Tetrachloroethane-	10.28	84	385	158.62	ug/L	0.02
Spiked Amount	25.000	Range	45 - 120	Recovery	=	634.48%#
61) 1,2-Dichlorobenzene-d4	11.68	152	212	21.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.28%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	146	7.086	ug/L #	41
5) Vinyl chloride	1.13	62	43	1.998	ug/L #	41
6) Bromomethane	1.54	94	153	11.113	ug/L	100
8) Chloroethane	1.59	64	130	9.476	ug/L #	44
13) Acetone	2.20	43	75	11.498	ug/L #	45
15) Methyl Acetate	2.48	43	42	3.945	ug/L #	47
16) Methylene chloride	2.55	84	51	2.043	ug/L	83
17) Methyl tert-butyl Ether	2.95	73	44	0.900	ug/L #	1
21) 2-Butanone	4.13	43	19	2.687	ug/L #	49
22) cis-1,2-Dichloroethene	4.13	96	51	2.324	ug/L #	1
36) Methylcyclohexane	6.12	83	167	49.035	ug/L #	21
40) 1,2-Dichloropropane	6.11	63	51	25.153	ug/L #	86
43) 4-Methyl-2-pentanone	7.08	43	44	27.776	ug/L #	1
49) 2-Hexanone	8.10	43	57	51.406	ug/L #	37
69) Naphthalene	13.57	128	1345	71.867	ug/L #	73

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Sat Apr 20 04:30:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data File : VV010406.D

Acq On : 20 Apr 2019 01:53

Operator : SY/MD

Sample : K2456-23

Misc : 5.09G/10mL/MSVOA V/SOIL

```
ALS Vial      : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
GAHP1

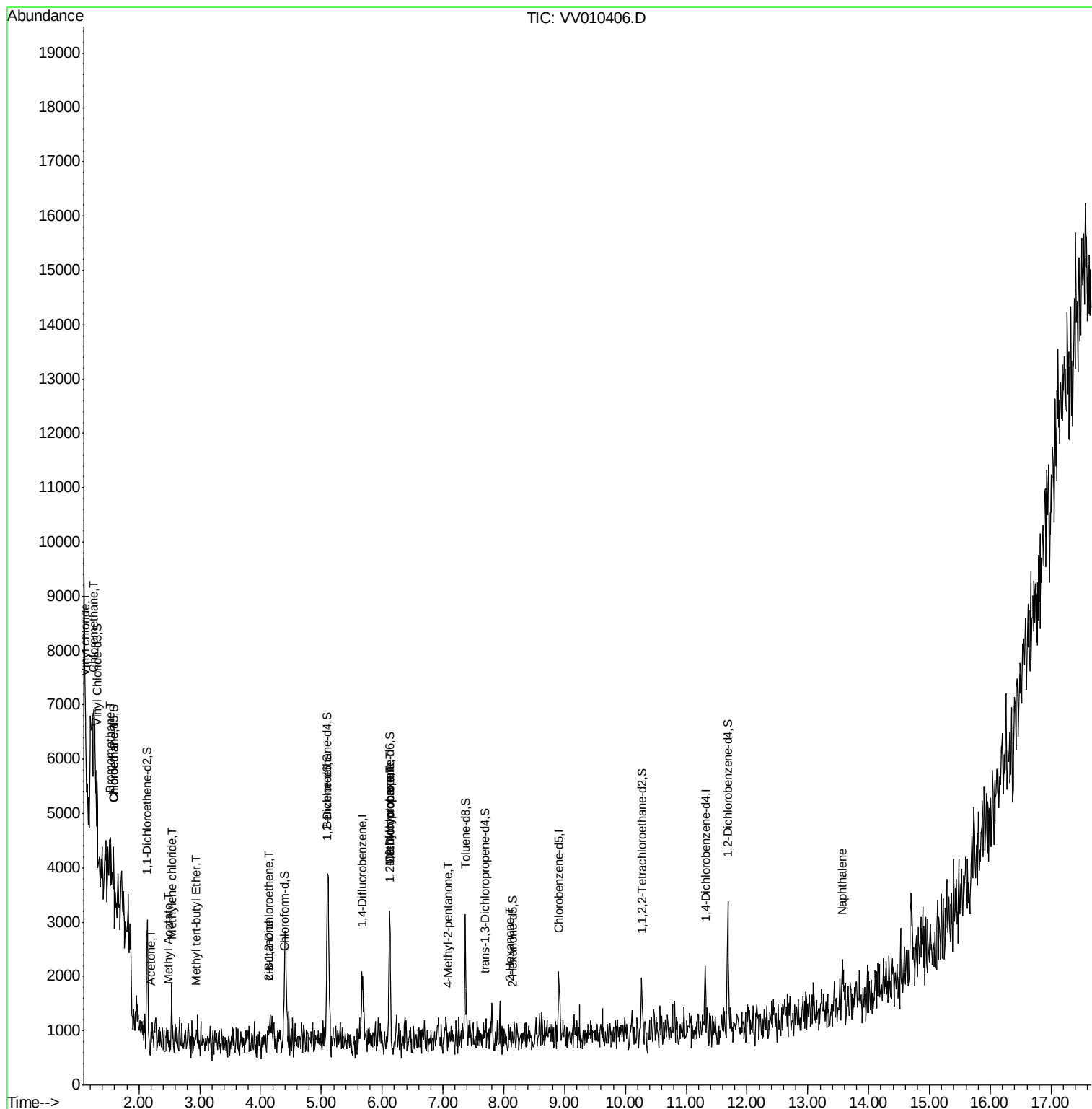
Quant Time: Apr 20 04:39:40 2019

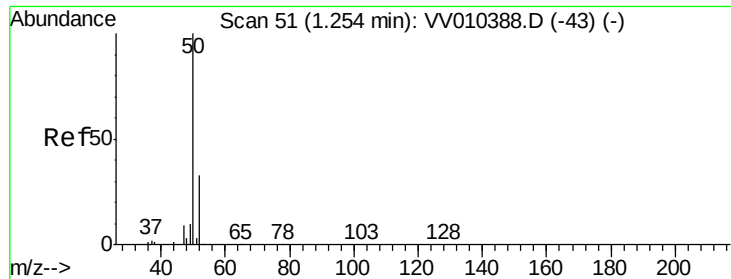
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Quant Title : VOC Analysis

QLast Update : Sat Apr 20 04:30:57 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 7.086 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010406.D

Acq: 20 Apr 2019 01:53

Instrument :

MSVOA_V

ClientSampled :

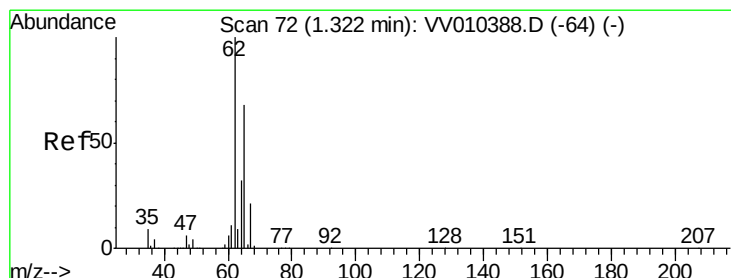
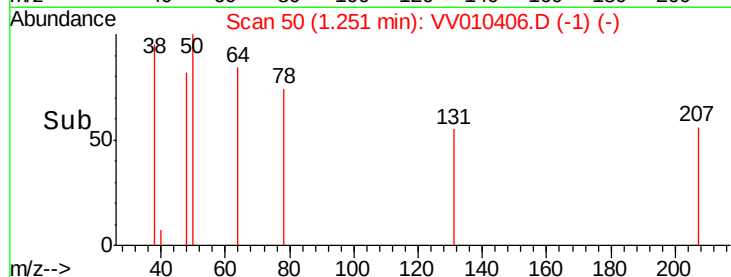
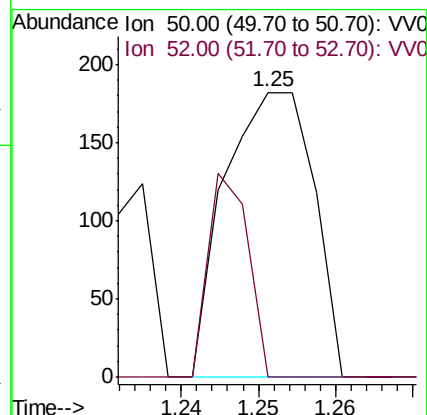
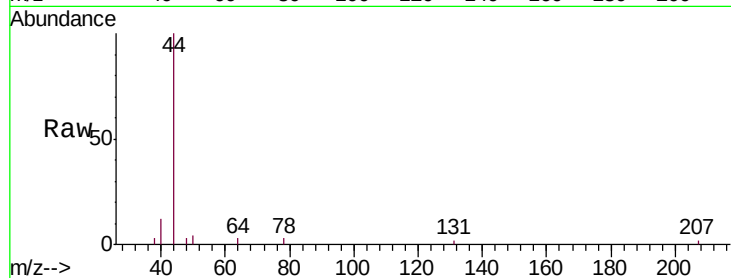
GAHP1

Tgt Ion: 50 Resp: 146

Ion Ratio Lower Upper

50 100

52 0.0 23.2 43.2#



#5

Vinyl chloride

Concen: 1.998 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.19 min

Lab File: VV010406.D

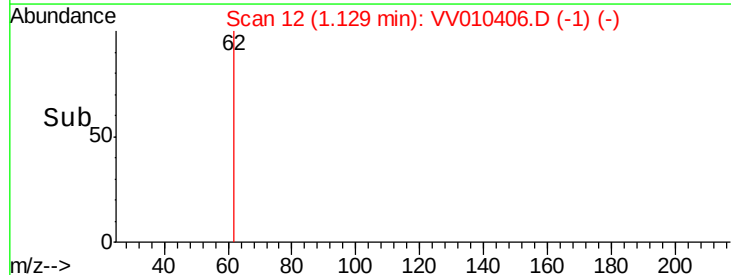
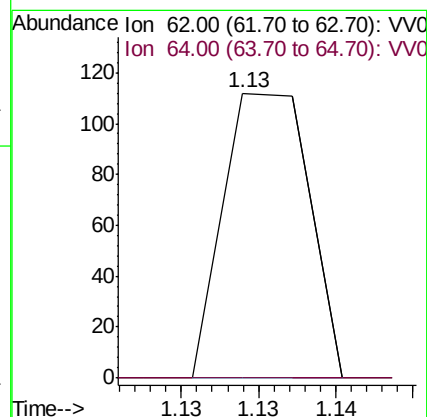
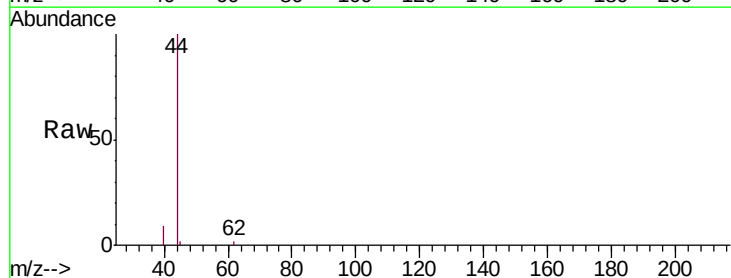
Acq: 20 Apr 2019 01:53

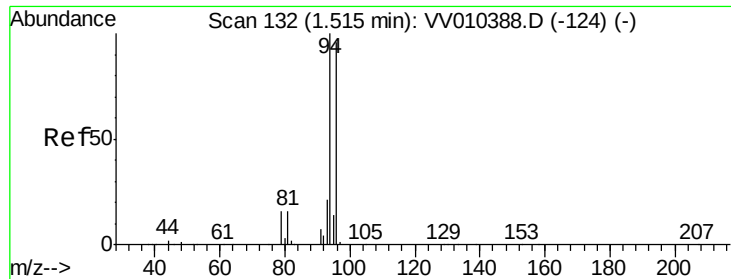
Tgt Ion: 62 Resp: 43

Ion Ratio Lower Upper

62 100

64 0.0 23.9 44.3#





#6

Bromomethane

Concen: 11.113 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.03 min

Lab File: VV010406.D

Acq: 20 Apr 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

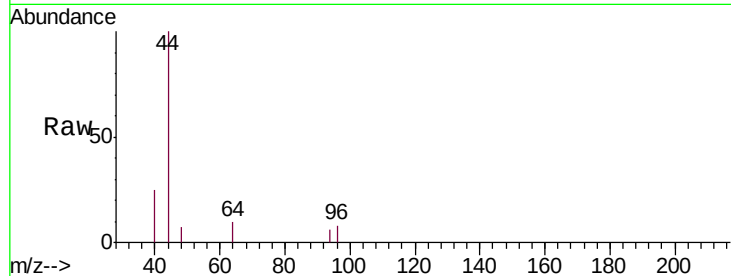
GAHP1

Tgt Ion: 94 Resp: 153

Ion Ratio Lower Upper

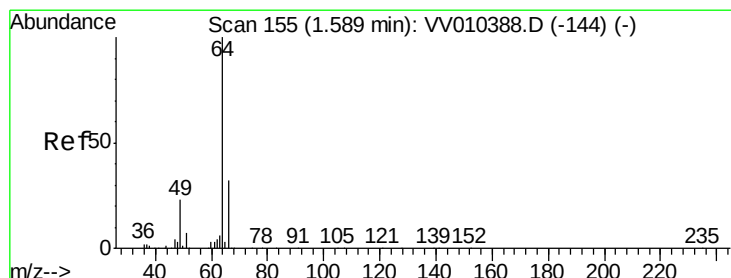
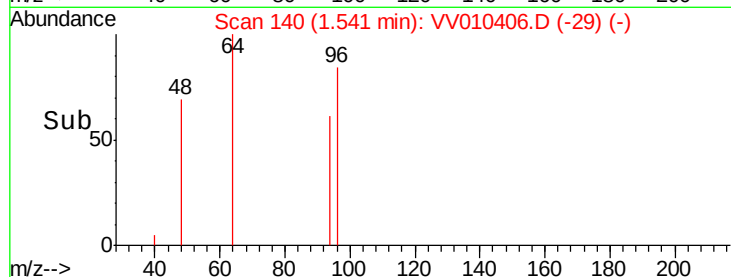
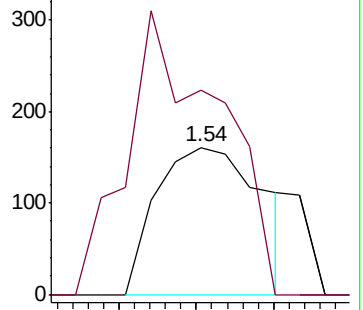
94 100

96 93.5 9.3 177.1



Abundance Ion 94.00 (93.70 to 94.70): VV010406.D (-124) (-)

Ion 96.00 (95.70 to 96.70): VV010406.D (-124) (-)



#8

Chloroethane

Concen: 9.476 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV010406.D

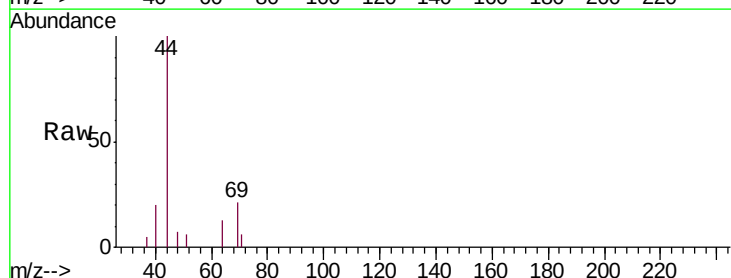
Acq: 20 Apr 2019 01:53

Tgt Ion: 64 Resp: 130

Ion Ratio Lower Upper

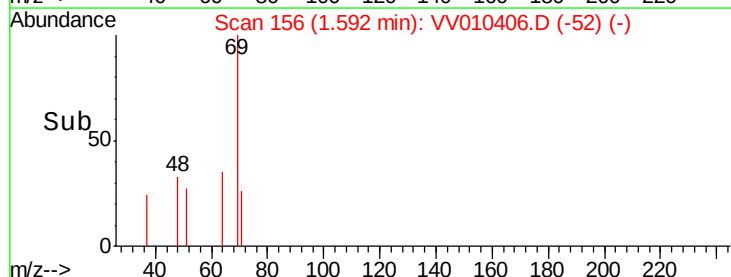
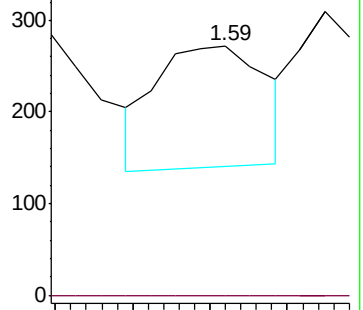
64 100

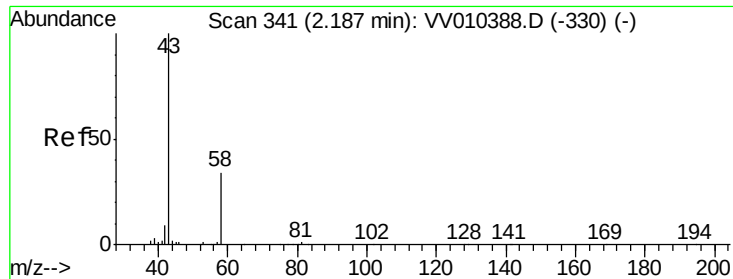
66 0.0 21.4 39.8#



Abundance Ion 64.00 (63.70 to 64.70): VV010406.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV010406.D (-144) (-)





#13

Acetone

Concen: 11.498 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV010406.D

Acq: 20 Apr 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

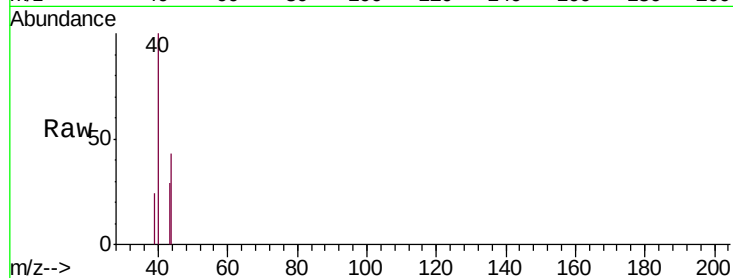
GAHP1

Tgt Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

58 0.0 0.0 60.0



Abundance Ion 43.00 (42.70 to 43.70): VV010388.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV010388.D (-330) (-)

2.20

150

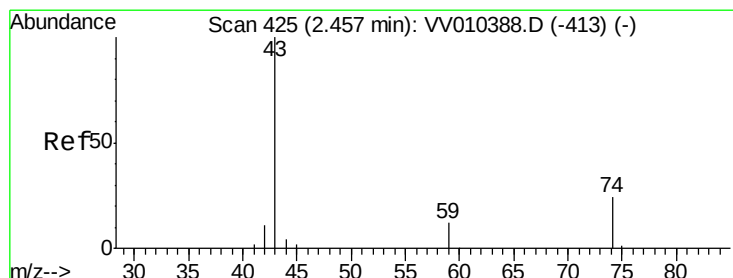
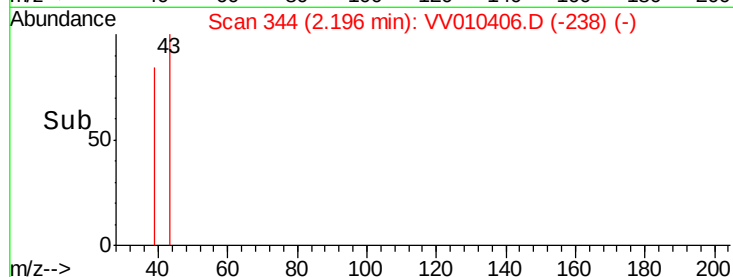
100

50

0

2.19 2.19 2.19 2.20 2.21

Time-->



#15

Methyl Acetate

Concen: 3.945 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.02 min

Lab File: VV010406.D

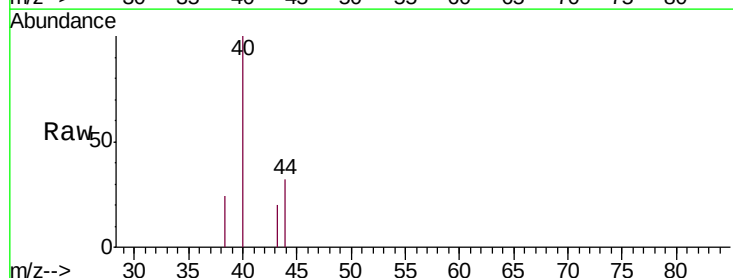
Acq: 20 Apr 2019 01:53

Tgt Ion: 43 Resp: 42

Ion Ratio Lower Upper

43 100

74 0.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VV010388.D (-413) (-)

Ion 74.00 (73.70 to 74.70): VV010388.D (-413) (-)

2.48

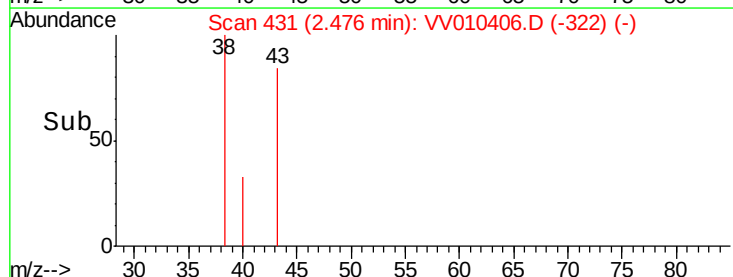
100

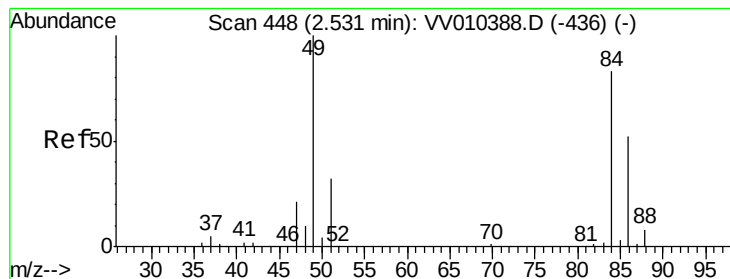
50

0

2.47 2.48 2.48 2.48

Time-->





#16

Methylene chloride

Concen: 2.043 ug/L

RT: 2.55 min Scan# 453

Delta R.T. 0.02 min

Lab File: VV010406.D

Acq: 20 Apr 2019 01:53

Instrument :

MSVOA_V

ClientSampled :

GAHP1

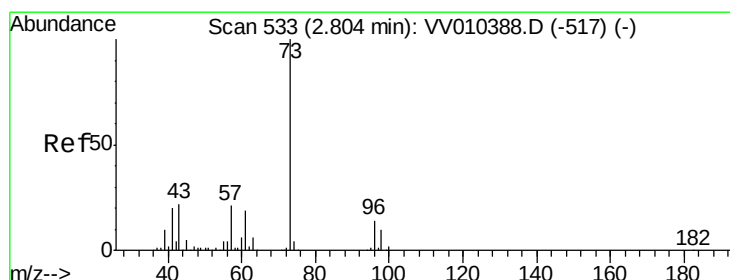
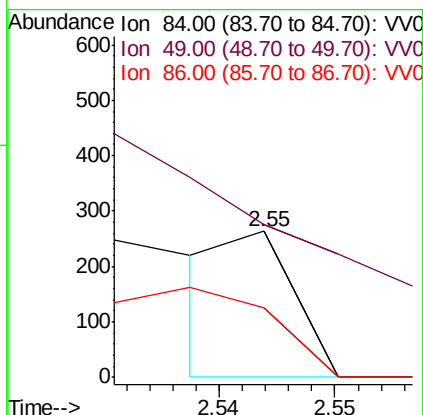
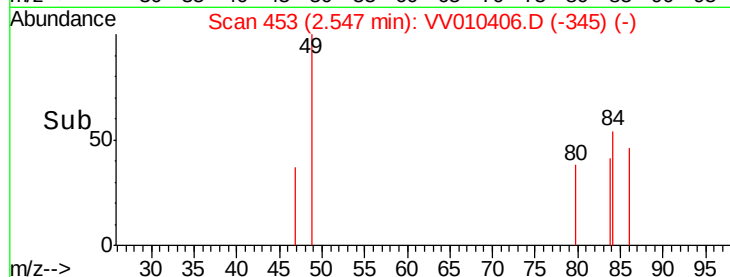
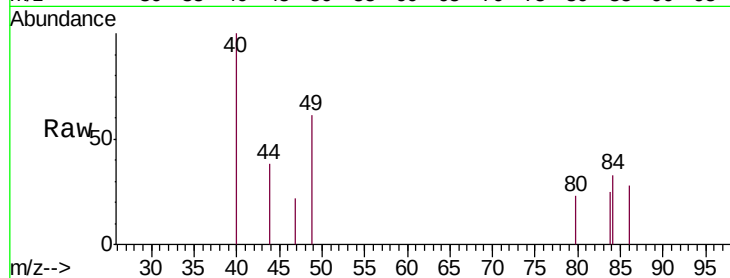
Tgt Ion: 84 Resp: 51

Ion Ratio Lower Upper

84 100

49 104.9 83.8 155.6

86 47.9 46.1 85.5



#17

Methyl tert-butyl Ether

Concen: 0.900 ug/L

RT: 2.95 min Scan# 577

Delta R.T. 0.14 min

Lab File: VV010406.D

Acq: 20 Apr 2019 01:53

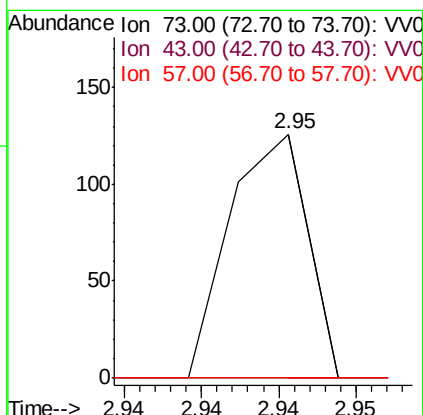
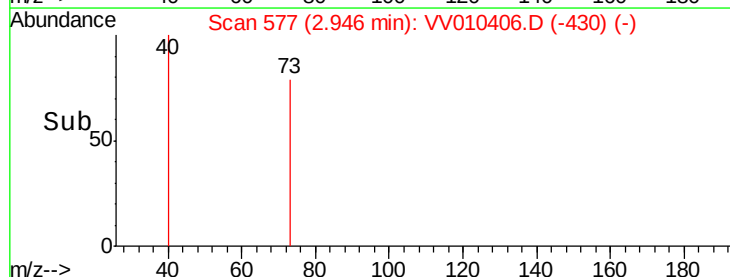
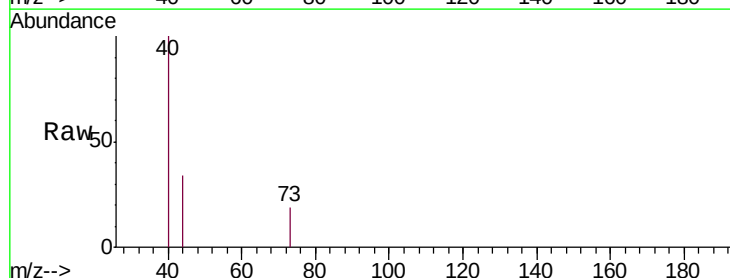
Tgt Ion: 73 Resp: 44

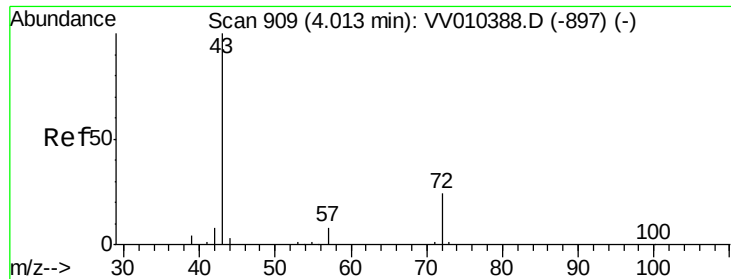
Ion Ratio Lower Upper

73 100

43 154.5 16.6 24.8#

57 0.0 17.0 25.6#





#21

2-Butanone

Concen: 2.687 ug/L

RT: 4.13 min Scan# 946

Delta R.T. 0.12 min

Lab File: VV010406.D

Acq: 20 Apr 2019 01:53

Instrument :

MSVOA_V

ClientSampled :

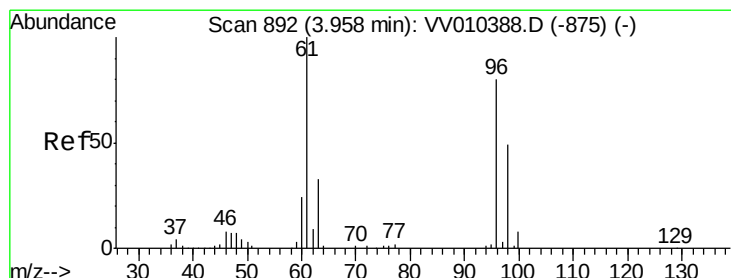
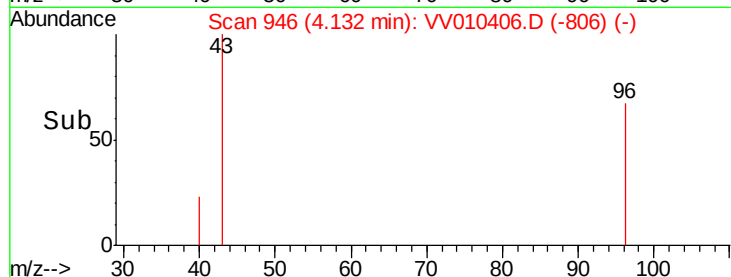
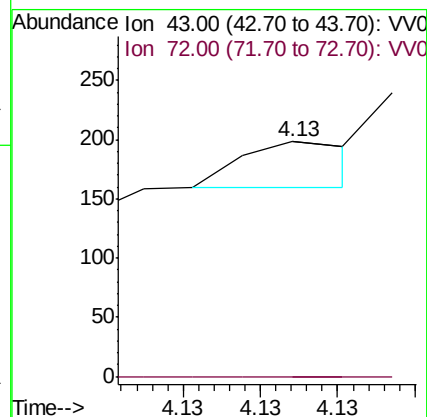
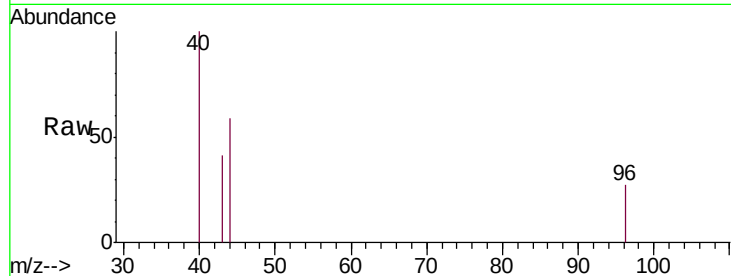
GAHP1

Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

72 0.0 13.1 39.1#



#22

cis-1,2-Dichloroethene

Concen: 2.324 ug/L

RT: 4.13 min Scan# 946

Delta R.T. 0.17 min

Lab File: VV010406.D

Acq: 20 Apr 2019 01:53

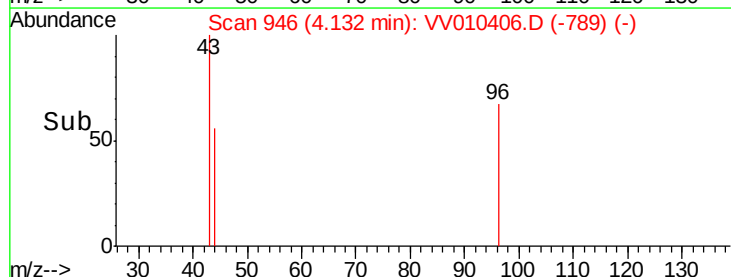
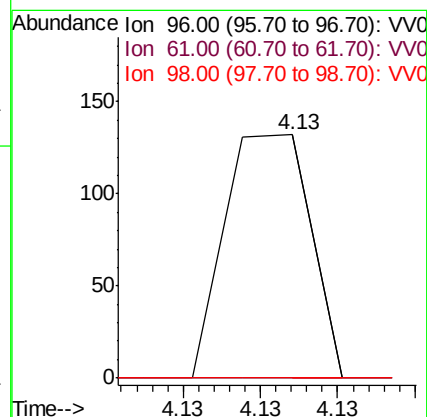
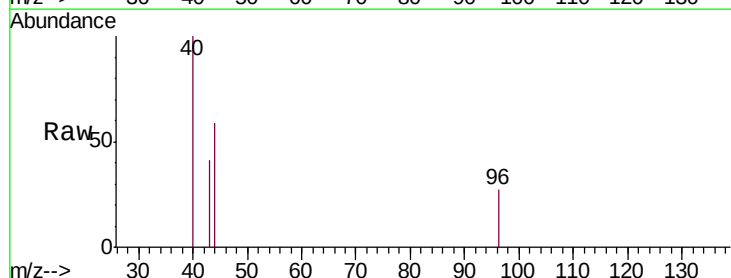
Tgt Ion: 96 Resp: 51

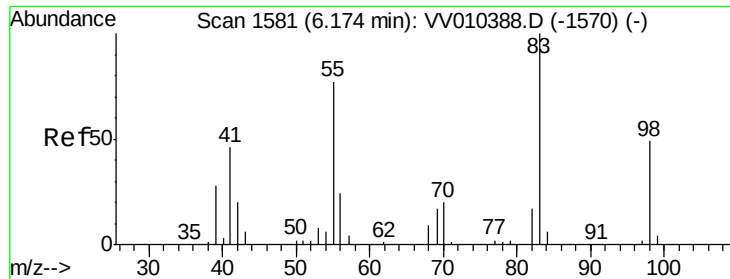
Ion Ratio Lower Upper

96 100

61 0.0 83.7 155.4#

98 0.0 43.7 81.1#



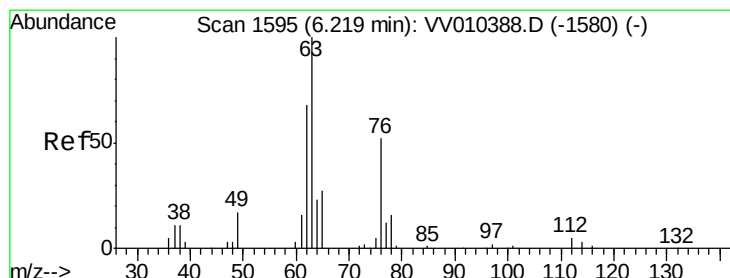
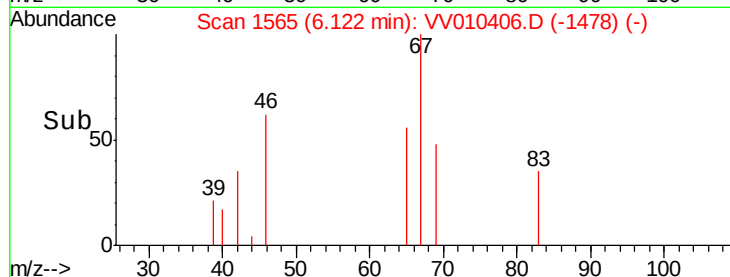
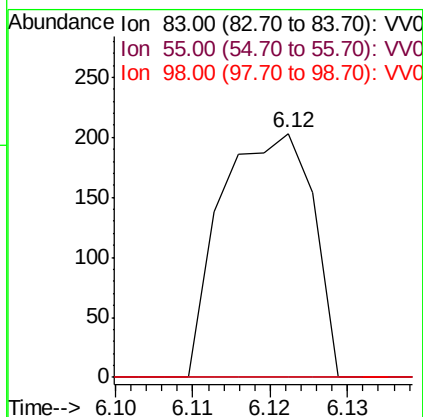
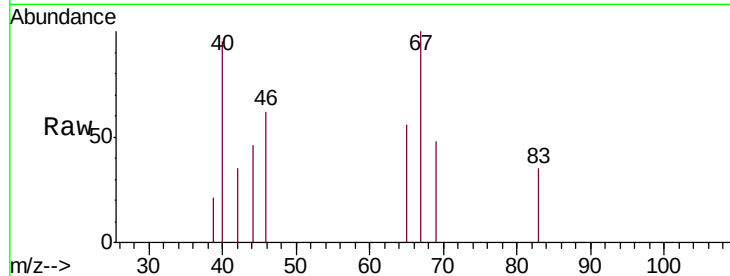


#36
Methylcyclohexane
Concen: 49.035 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV010406.D
Acq: 20 Apr 2019 01:53

Instrument :
MSVOA_V
ClientSampled :
GAHP1

Tgt Ion: 83 Resp: 167

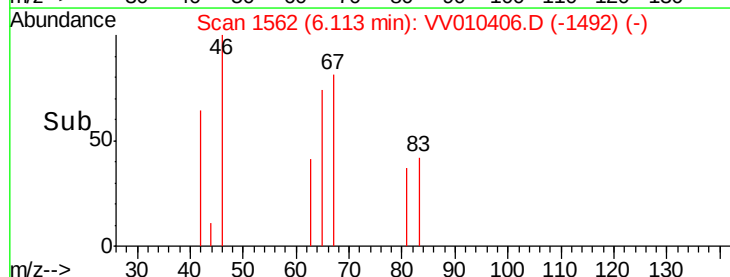
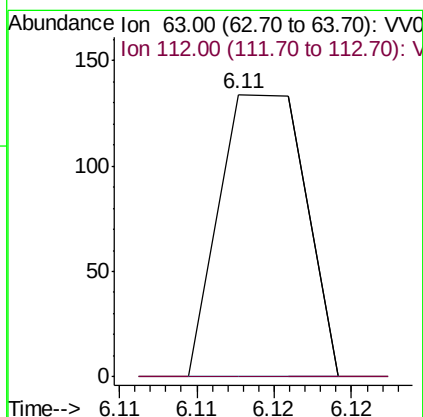
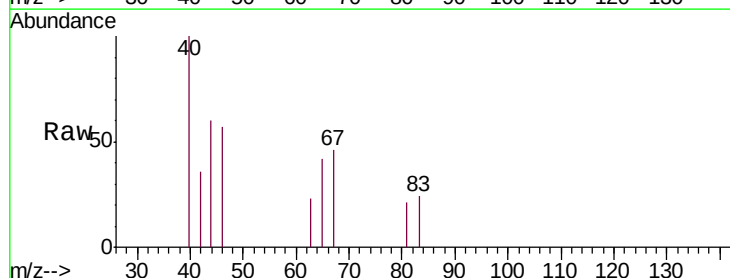
Ion	Ratio	Lower	Upper
83	100		
55	0.0	55.9	83.9#
98	0.0	37.3	55.9#

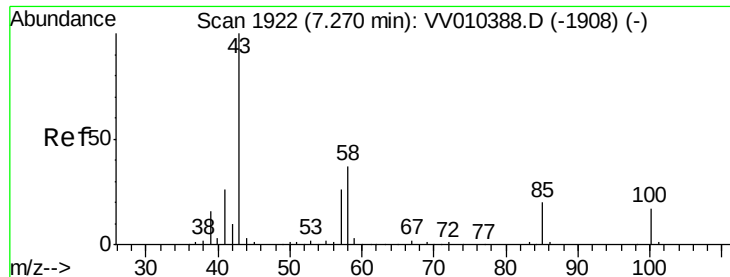


#40
1,2-Dichloropropane
Concen: 25.153 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV010406.D
Acq: 20 Apr 2019 01:53

Tgt Ion: 63 Resp: 51

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.6	5.4#

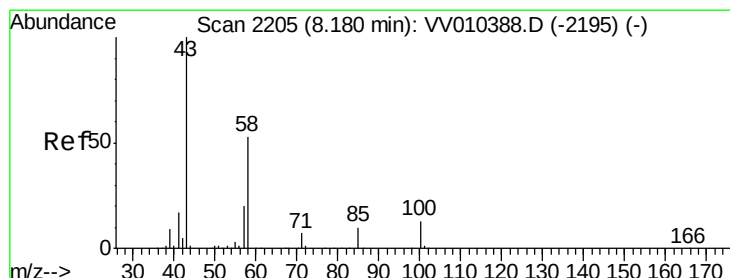
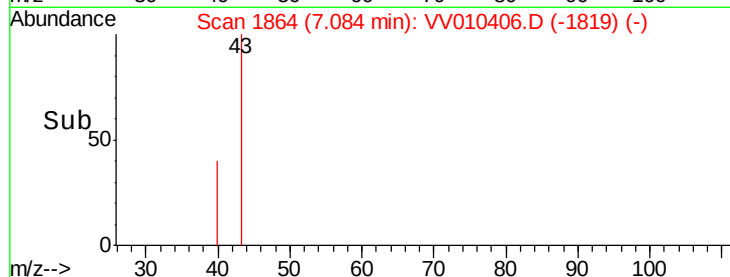
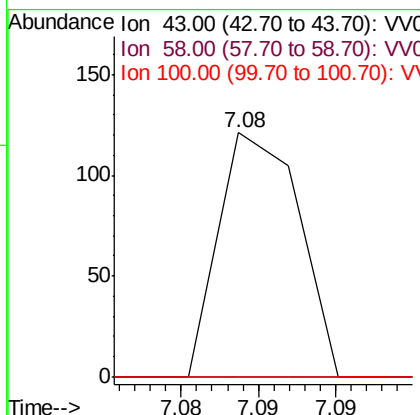
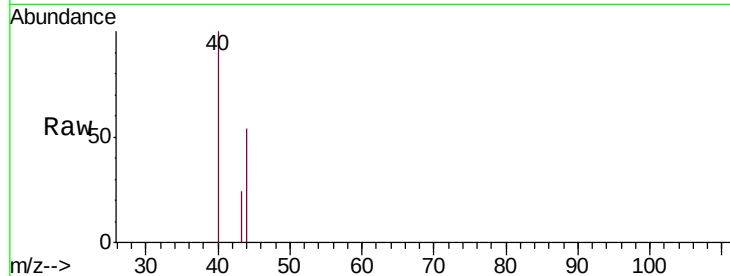




#43
 4-Methyl-2-pentanone
 Concen: 27.776 ug/L
 RT: 7.08 min Scan# 1864
 Delta R.T. -0.19 min
 Lab File: VV010406.D
 Acq: 20 Apr 2019 01:53

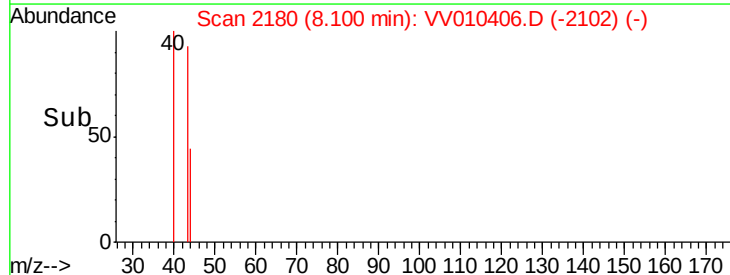
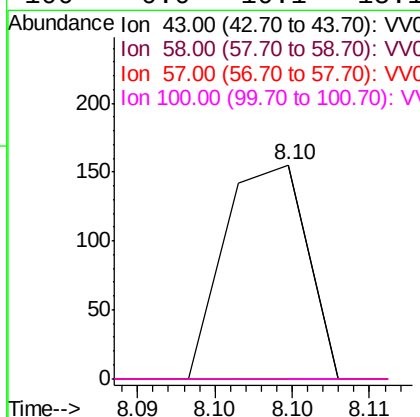
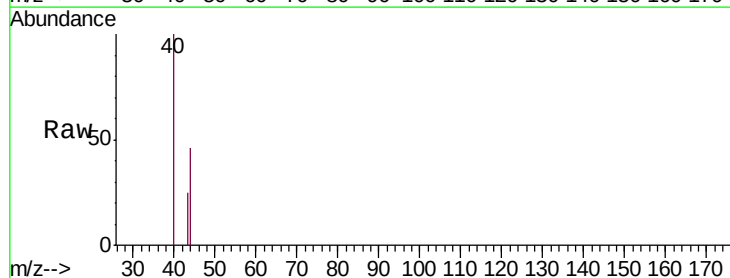
Instrument :
 MSVOA_V
 ClientSampleId :
 GAHP1

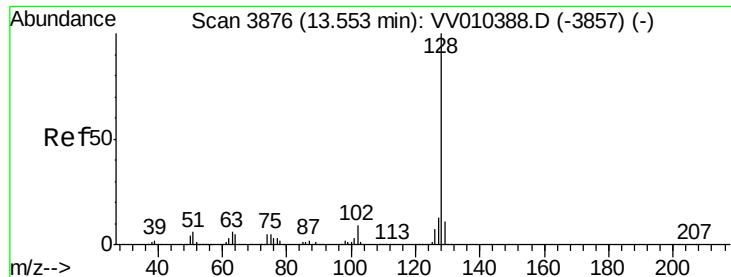
Tgt Ion: 43 Resp: 44
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.0 45.0#
 100 1881.8 12.6 19.0#



#49
 2-Hexanone
 Concen: 51.406 ug/L
 RT: 8.10 min Scan# 2180
 Delta R.T. -0.08 min
 Lab File: VV010406.D
 Acq: 20 Apr 2019 01:53

Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 58 0.0 44.9 67.3#
 57 0.0 15.8 23.6#
 100 0.0 10.1 15.1#





#69

Naphthalene

Concen: 71.867 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV010406.D

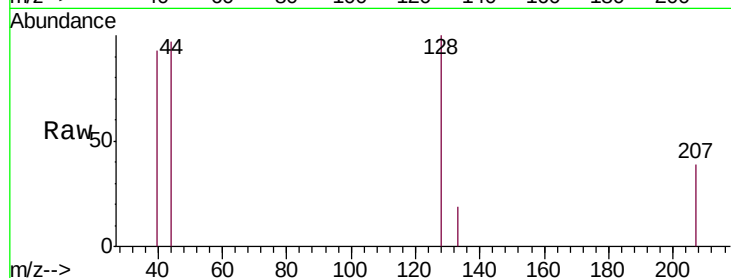
Acq: 20 Apr 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

GAHP1



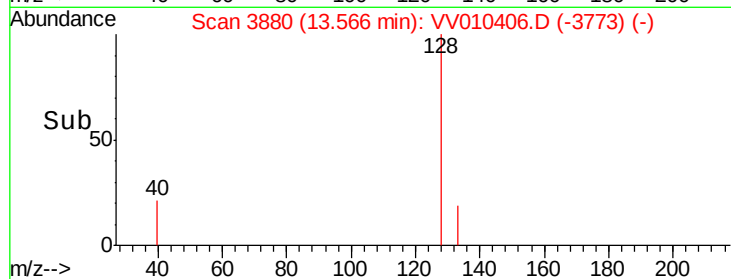
Tgt Ion:128 Resp: 1345

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 3.4 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

