

Data File : VV009340.D
Acq On : 22 Feb 2019 20:18
Operator : SY/MD
Sample : K1579-10
Misc : 6.90G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB607

Quant Time: Feb 23 00:41:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 23 00:37:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.68	114	2137	25.00	ug/L	0.01
28) Chlorobenzene-d5	8.91	117	1415	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.31	152	168	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	988	34.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	139.00%
7) Chloroethane-d5	1.59	69	803	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.52%
10) 1,1-Dichloroethene-d2	2.14	63	1027	14.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.76%
20) 2-Butanone-d5	3.97	46	115	11.56	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	23.12%
24) Chloroform-d	4.41	84	1383	27.87	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.48%
26) 1,2-Dichloroethane-d4	5.08	65	295	10.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	43.84%#
29) Benzene-d6	5.11	84	2943	41.47	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	165.88%#
33) 1,2-Dichloropropane-d6	6.13	67	966	46.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	185.00%#
37) Toluene-d8	7.36	98	2270	33.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	134.44%#
38) trans-1,3-Dichloropropene-	7.67	79	130	12.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	48.48%
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-	10.26	84	655	28.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.72%
61) 1,2-Dichlorobenzene-d4	11.68	152	108	17.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.00%#

Target Compounds

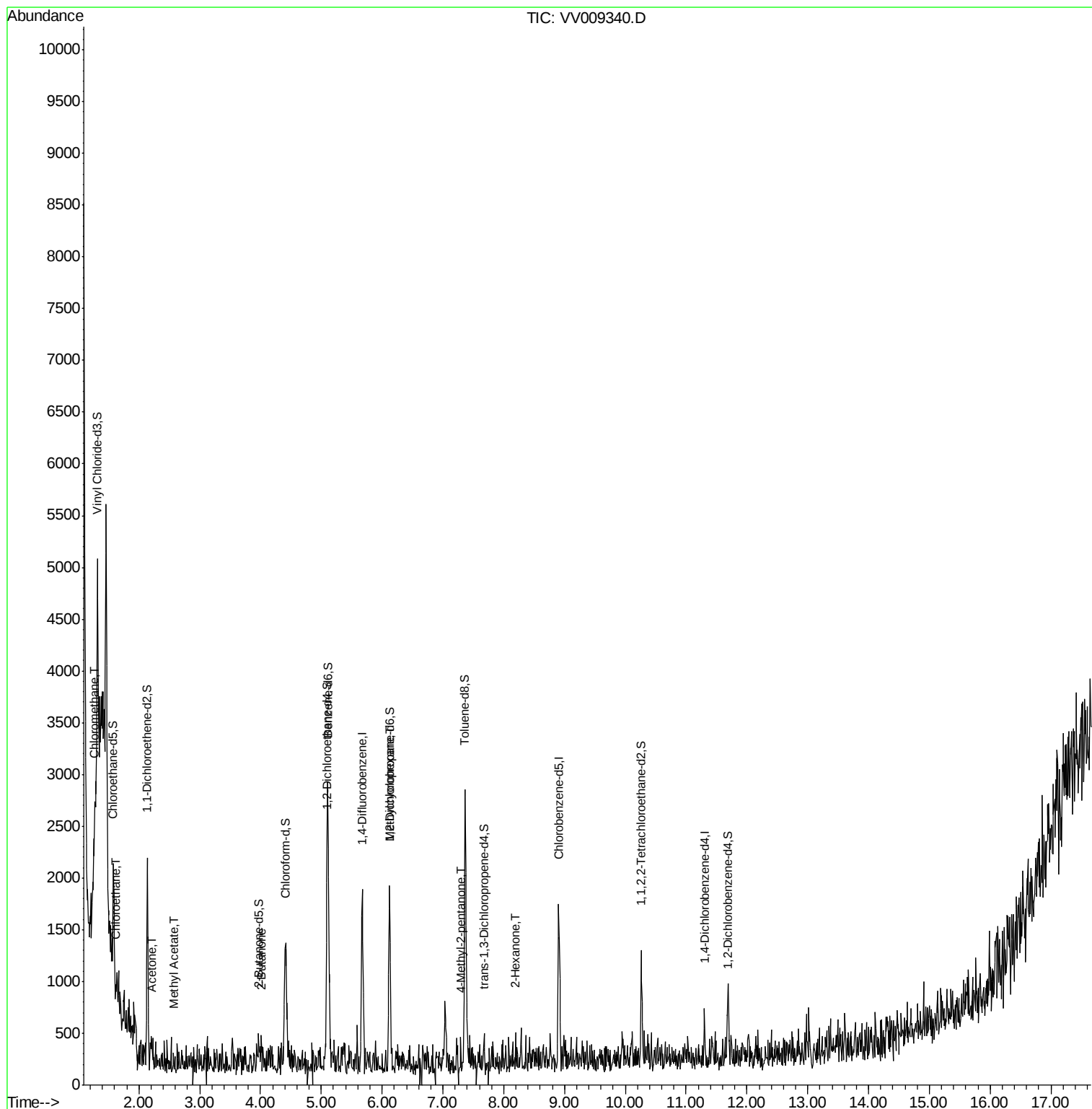
						Qvalue
3) Chloromethane	1.26	50	69	2.264	ug/L #	43
8) Chloroethane	1.61	64	42	1.440	ug/L #	42
13) Acetone	2.22	43	96	9.870	ug/L #	39
15) Methyl Acetate	2.57	43	46	3.243	ug/L #	48
21) 2-Butanone	4.02	43	74	6.641	ug/L #	44
36) Methylcyclohexane	6.12	83	63	1.674	ug/L #	20
43) 4-Methyl-2-pentanone	7.29	43	47	2.982	ug/L #	1
49) 2-Hexanone	8.20	43	64	5.279	ug/L #	36

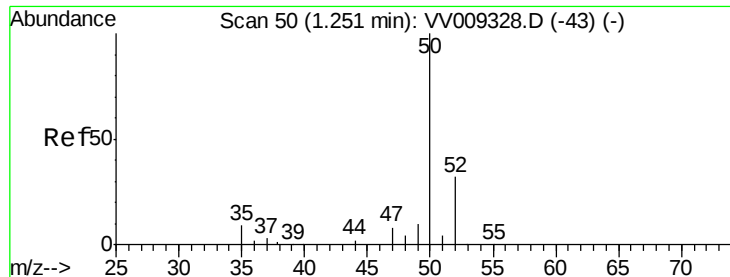
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.264 ug/L

RT: 1.26 min Scan# 53

Delta R.T. 0.01 min

Lab File: VV009340.D

Acq: 22 Feb 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

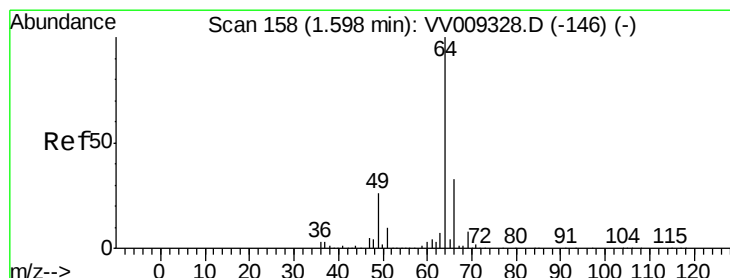
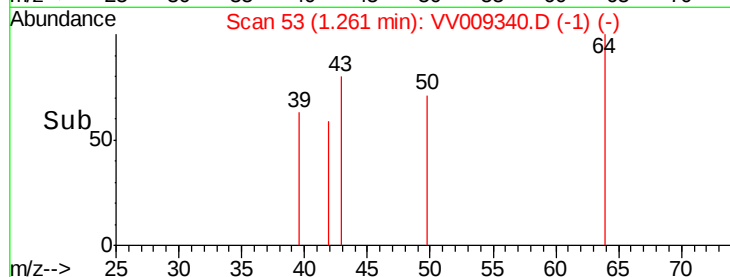
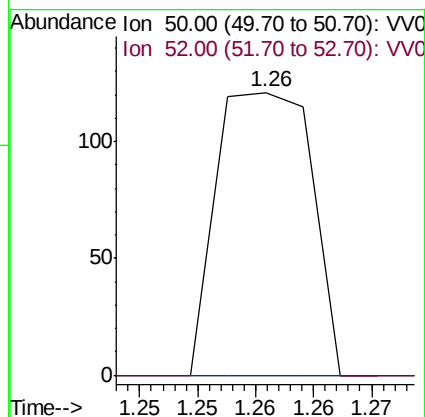
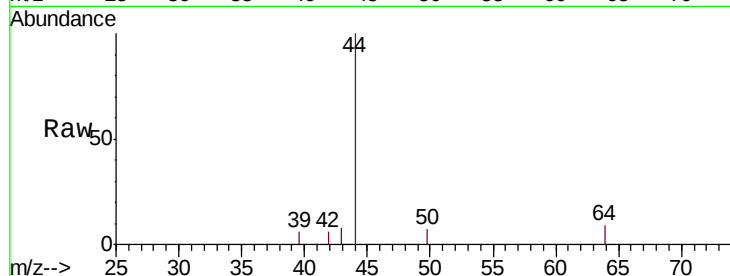
DB607

Tgt Ion: 50 Resp: 69

Ion Ratio Lower Upper

50 100

52 0.0 22.3 41.5#



#8

Chloroethane

Concen: 1.440 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VV009340.D

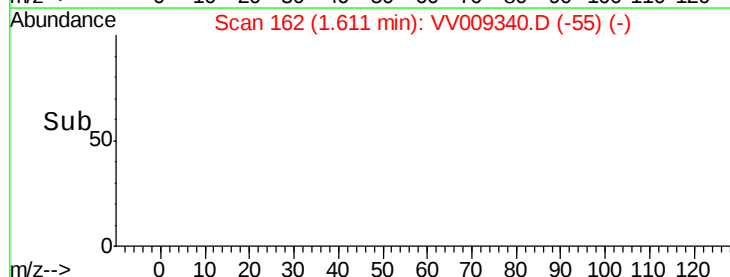
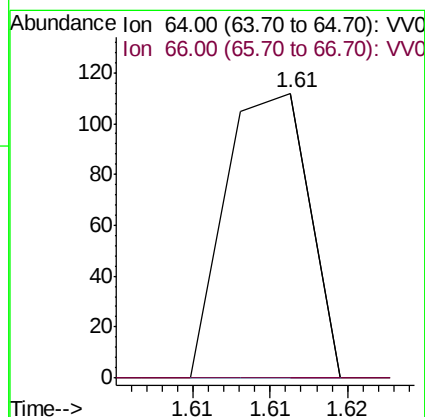
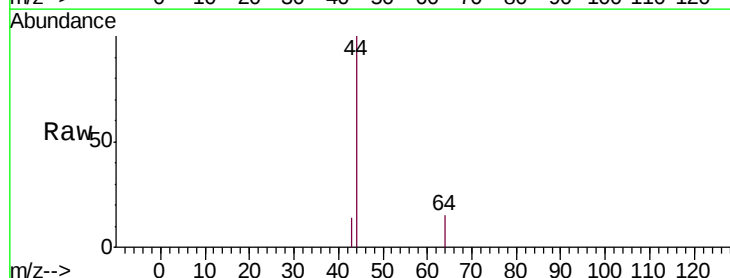
Acq: 22 Feb 2019 20:18

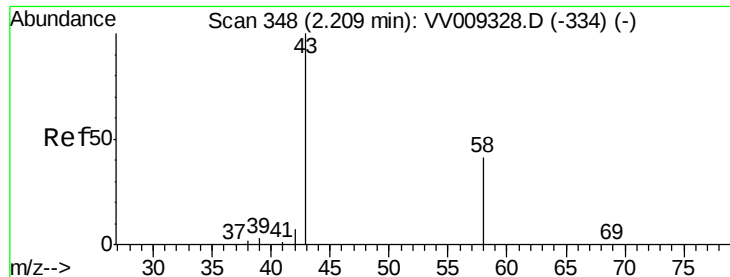
Tgt Ion: 64 Resp: 42

Ion Ratio Lower Upper

64 100

66 0.0 22.9 42.5#





#13

Acetone

Concen: 9.870 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

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Acq: 22 Feb 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

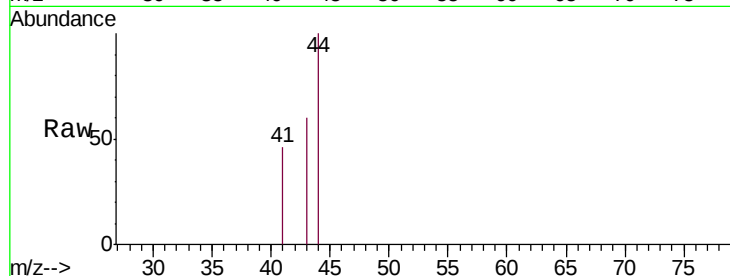
DB607

Tgt Ion: 43 Resp: 96

Ion Ratio Lower Upper

43 100

58 0.0 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009340.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VV009340.D (-350) (-)

200

150

100

50

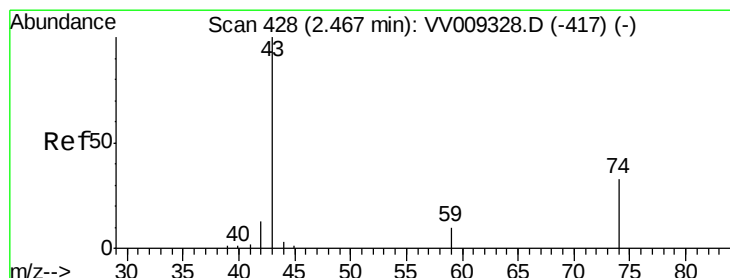
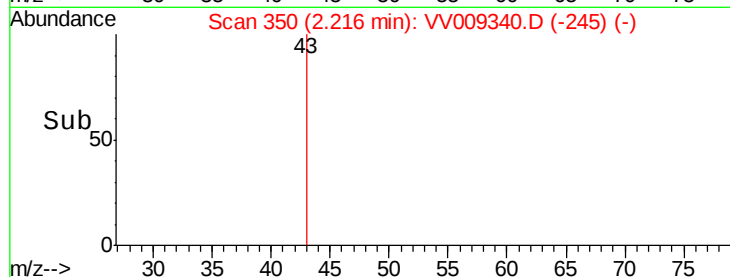
0

2.21

2.22

2.23

Time-->



#15

Methyl Acetate

Concen: 3.243 ug/L

RT: 2.57 min Scan# 460

Delta R.T. 0.10 min

Lab File: VV009340.D

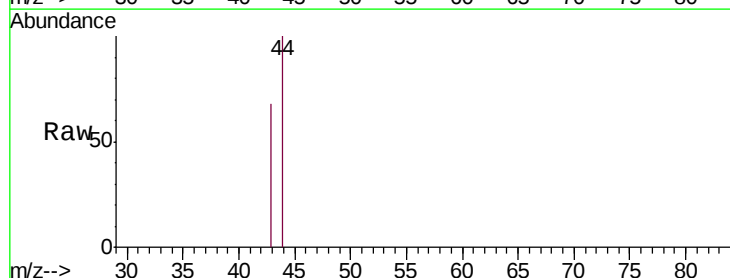
Acq: 22 Feb 2019 20:18

Tgt Ion: 43 Resp: 46

Ion Ratio Lower Upper

43 100

74 0.0 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VV009340.D (-428) (-)

Ion 74.00 (73.70 to 74.70): VV009340.D (-428) (-)

100

50

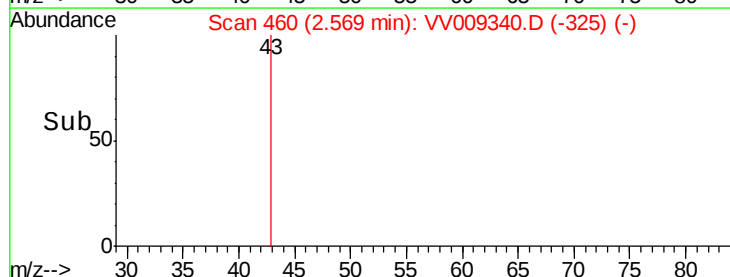
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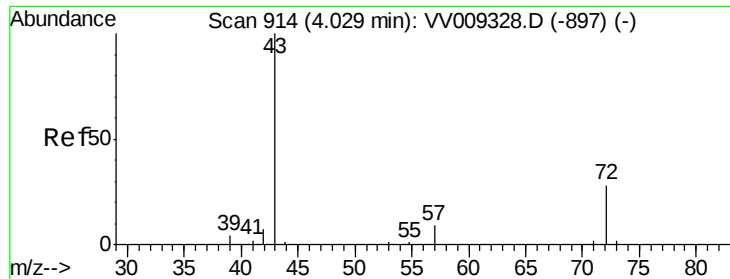
2.56

2.57

2.58

Time-->





#21

2-Butanone

Concen: 6.641 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.01 min

Lab File: VV009340.D

Acq: 22 Feb 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

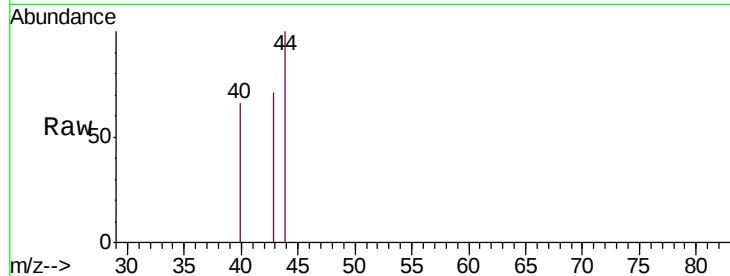
DB607

Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

72 0.0 15.4 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

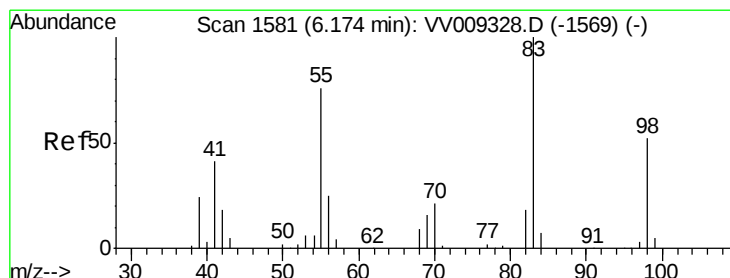
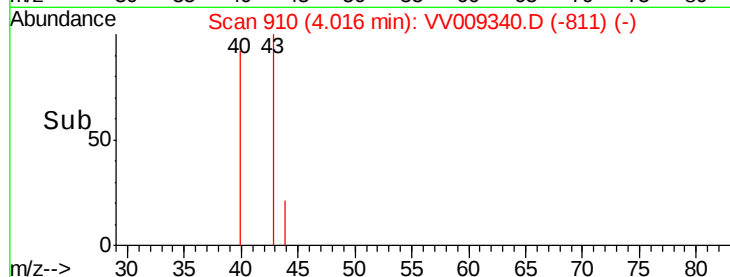
150

100

50

0

Time-->



#36

Methylcyclohexane

Concen: 1.674 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV009340.D

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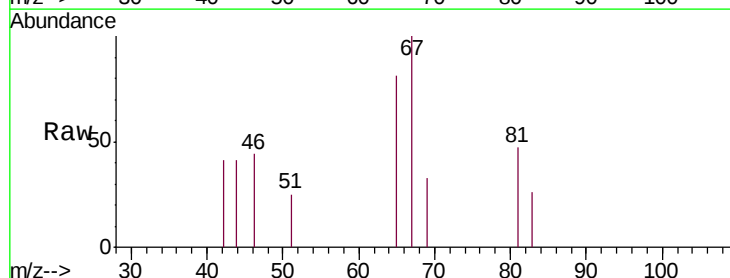
Tgt Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

55 0.0 55.8 83.6#

98 0.0 40.3 60.5#



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

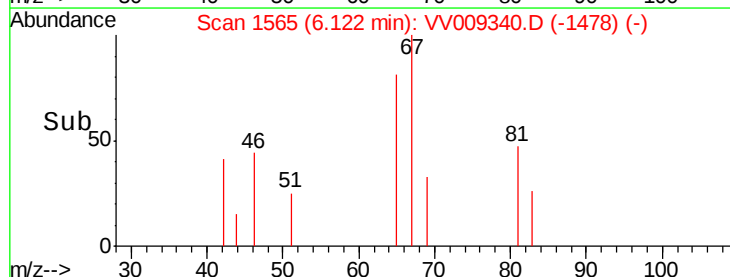
150

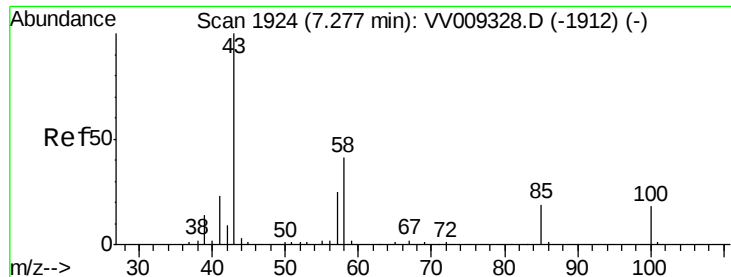
100

50

0

Time-->

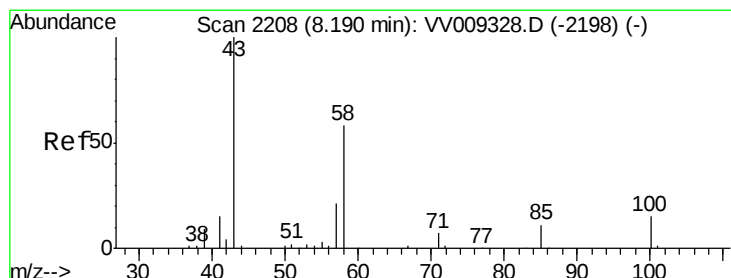
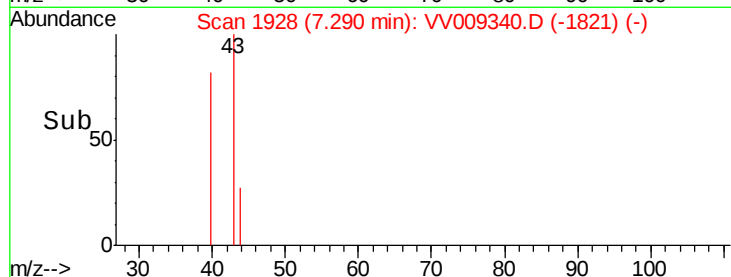
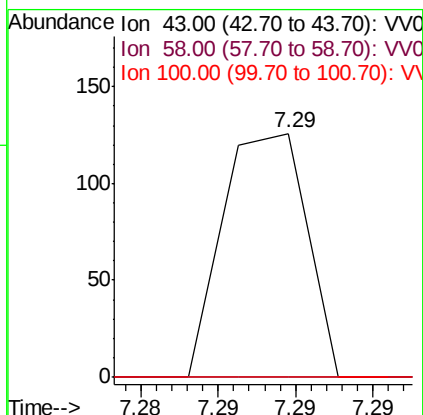
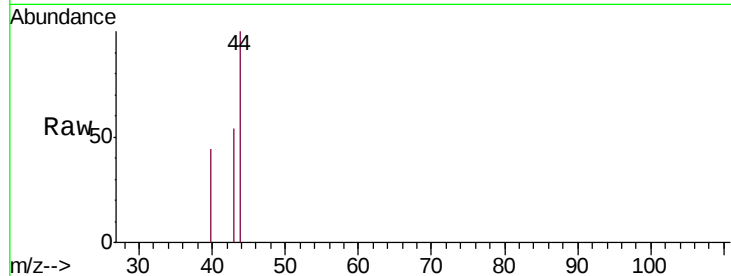




#43
4-Methyl-2-pentanone
Concen: 2.982 ug/L
RT: 7.29 min Scan# 1928
Delta R.T. 0.01 min
Lab File: VV009340.D
Acq: 22 Feb 2019 20:18

Instrument :
MSVOA_V
ClientSampleId :
DB607

Tgt Ion: 43 Resp: 47
Ion Ratio Lower Upper
43 100
58 0.0 34.2 51.4#
100 2012.8 15.1 22.7#



#49
2-Hexanone
Concen: 5.279 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV009340.D
Acq: 22 Feb 2019 20:18

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 0.0 46.8 70.2#
57 0.0 14.2 21.2#
100 0.0 11.0 16.6#

