

Data File : VV009341.D
Acq On : 22 Feb 2019 20:44
Operator : SY/MD
Sample : K1579-11
Misc : 7.38G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB608

Quant Time: Feb 23 00:41:29 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	5.67	114	3703	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	2146	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.31	152	222	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1374	27.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.56%
7) Chloroethane-d5	1.58	69	1074	18.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.72%
10) 1,1-Dichloroethene-d2	2.14	63	1569	12.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.80%
20) 2-Butanone-d5	3.95	46	92	5.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	10.68%#
24) Chloroform-d	4.40	84	1856	21.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.32%
26) 1,2-Dichloroethane-d4	5.08	65	366	7.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	31.40%#
29) Benzene-d6	5.11	84	4045	37.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	150.32%#
33) 1,2-Dichloropropane-d6	6.12	67	869	27.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.72%
37) Toluene-d8	7.37	98	3016	29.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.76%
38) trans-1,3-Dichloropropene-	7.67	79	180	11.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	44.28%
39) 2-Hexanone-d5	8.18	63	48	5.45	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	10.90%#
48) 1,1,2,2-Tetrachloroethane-	10.27	84	1075	31.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.16%#
61) 1,2-Dichlorobenzene-d4	11.68	152	311	38.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	152.56%#

Target Compounds

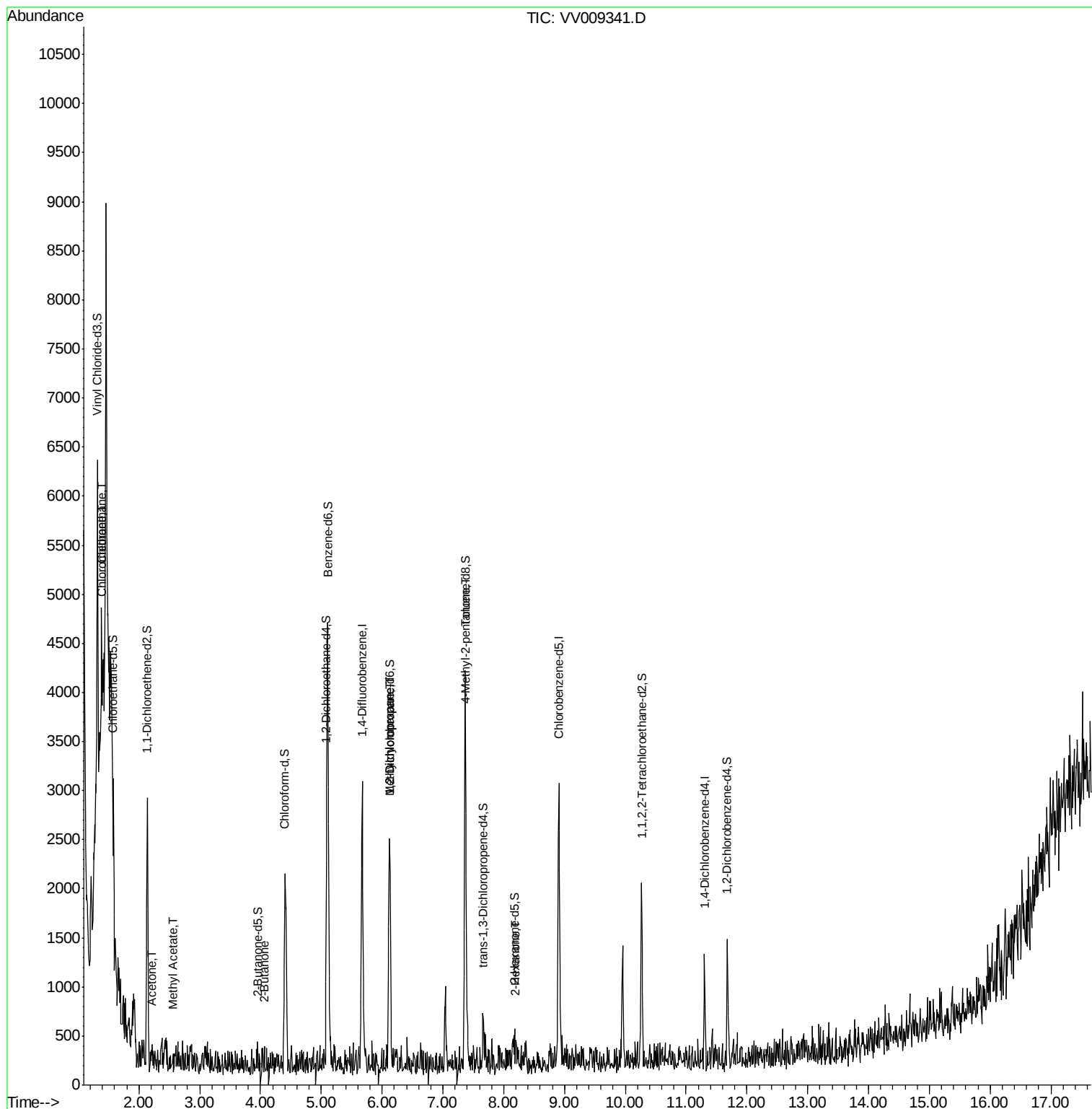
					Qvalue
3) Chloromethane	1.40	50	44	0.833 ug/L #	43
8) Chloroethane	1.40	64	78	1.543 ug/L	90
13) Acetone	2.21	43	51	3.026 ug/L #	39
15) Methyl Acetate	2.57	43	44	1.790 ug/L #	48
21) 2-Butanone	4.06	43	74	3.833 ug/L #	44
36) Methylcyclohexane	6.14	83	70	1.226 ug/L #	20
40) 1,2-Dichloropropane	6.13	63	69	2.423 ug/L #	85
43) 4-Methyl-2-pentanone	7.39	43	42	1.757 ug/L #	1
49) 2-Hexanone	8.19	43	119	6.472 ug/L #	36

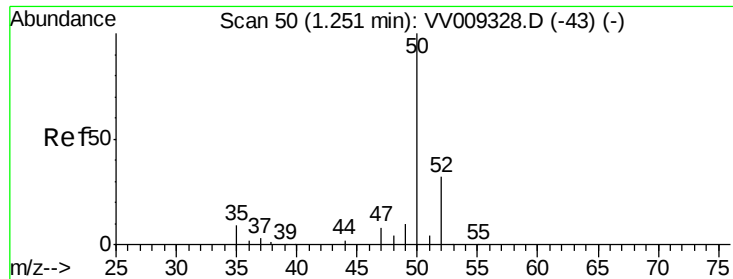
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.833 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.15 min

Lab File: VV009341.D

Acq: 22 Feb 2019 20:44

Instrument :

MSVOA_V

ClientSampleId :

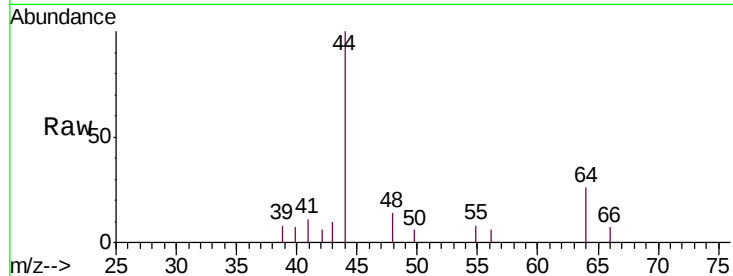
DB608

Tgt Ion: 50 Resp: 44

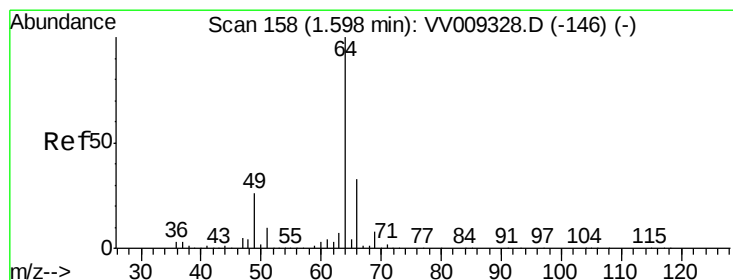
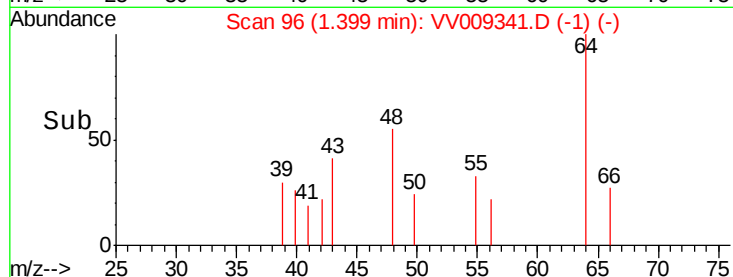
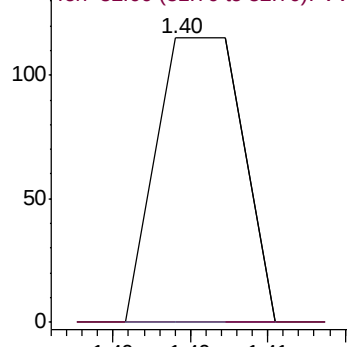
Ion Ratio Lower Upper

50 100

52 0.0 22.3 41.5#



Abundance Ion 50.00 (49.70 to 50.70): VV009341.D (-43) (-)



#8

Chloroethane

Concen: 1.543 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.20 min

Lab File: VV009341.D

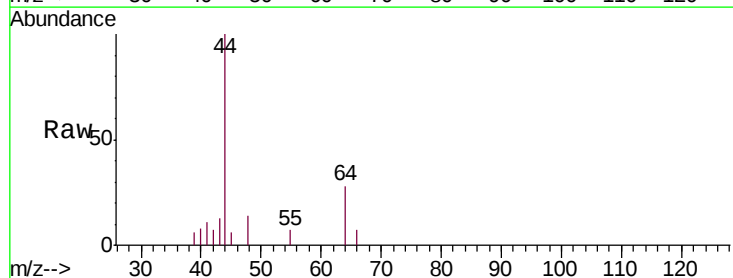
Acq: 22 Feb 2019 20:44

Tgt Ion: 64 Resp: 78

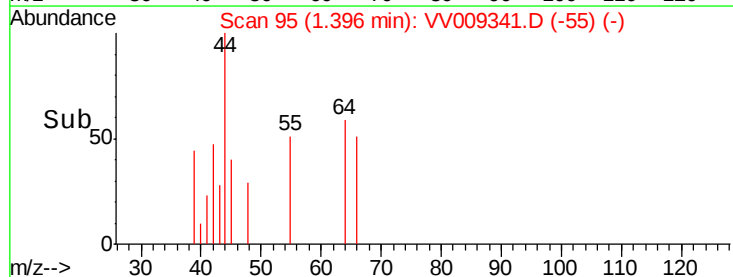
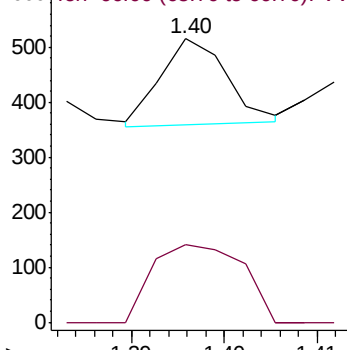
Ion Ratio Lower Upper

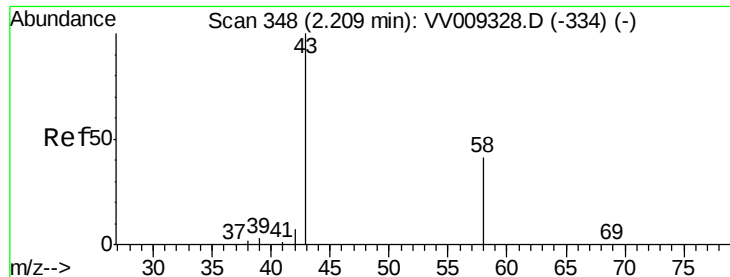
64 100

66 27.2 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV009341.D (-55) (-)





#13

Acetone

Concen: 3.026 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV009341.D

Acq: 22 Feb 2019 20:44

Instrument :

MSVOA_V

ClientSampleId :

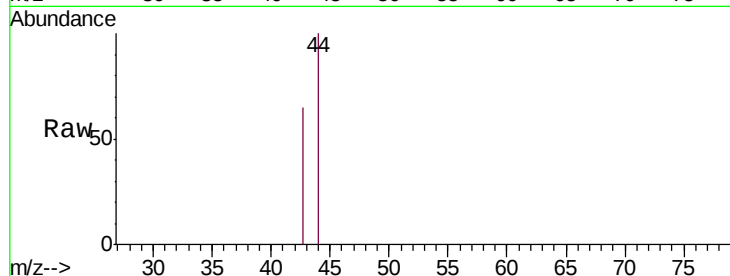
DB608

Tgt Ion: 43 Resp: 51

Ion Ratio Lower Upper

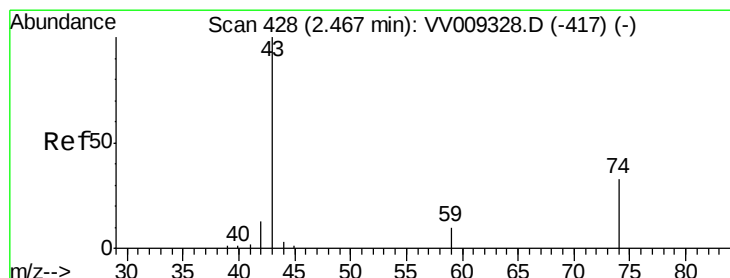
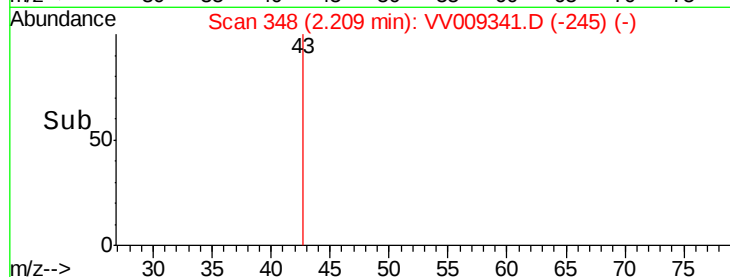
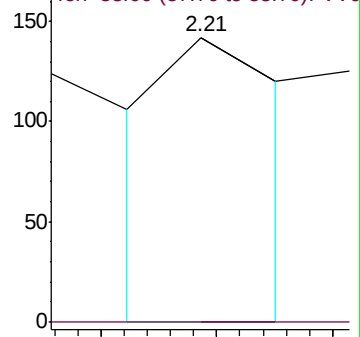
43 100

58 0.0 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#15

Methyl Acetate

Concen: 1.790 ug/L

RT: 2.57 min Scan# 459

Delta R.T. 0.10 min

Lab File: VV009341.D

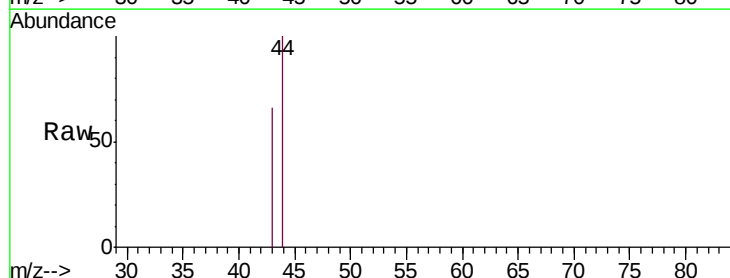
Acq: 22 Feb 2019 20:44

Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

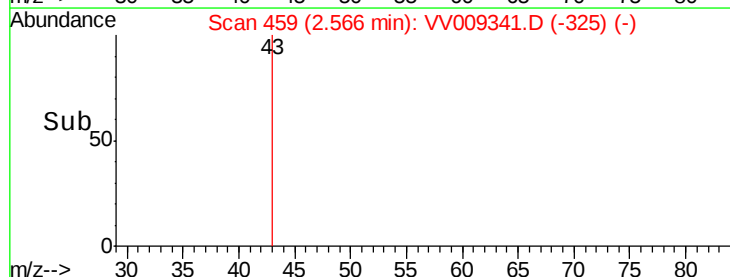
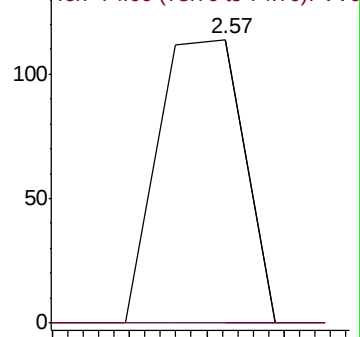
43 100

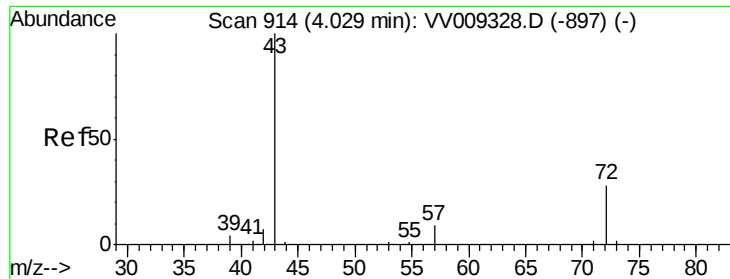
74 0.0 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0





#21

2-Butanone

Concen: 3.833 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.03 min

Lab File: VV009341.D

Acq: 22 Feb 2019 20:44

Instrument :

MSVOA_V

ClientSampleId :

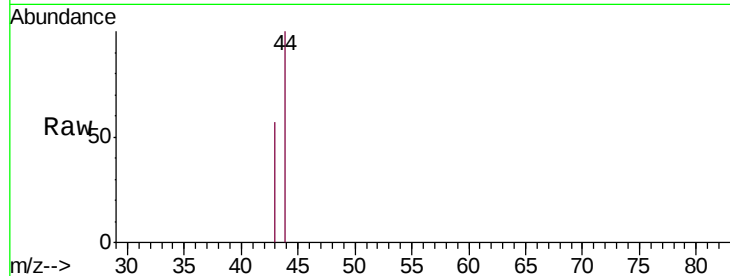
DB608

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

4.06

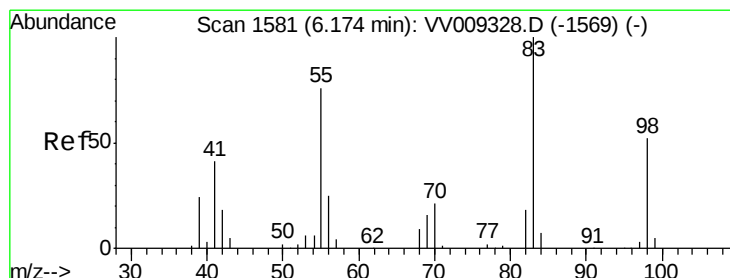
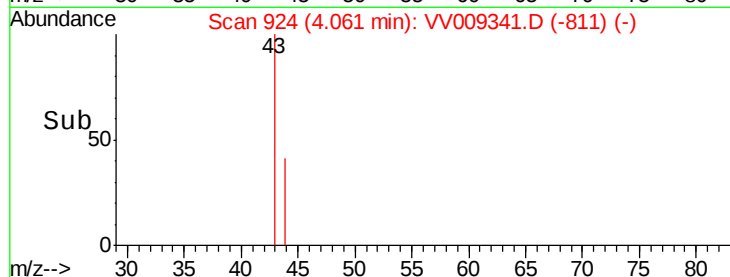
150

100

50

0

Time-->



#36

Methylcyclohexane

Concen: 1.226 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. -0.04 min

Lab File: VV009341.D

Acq: 22 Feb 2019 20:44

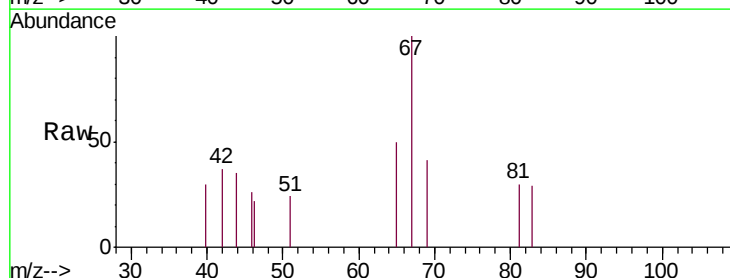
Tgt Ion: 83 Resp: 70

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

250

200

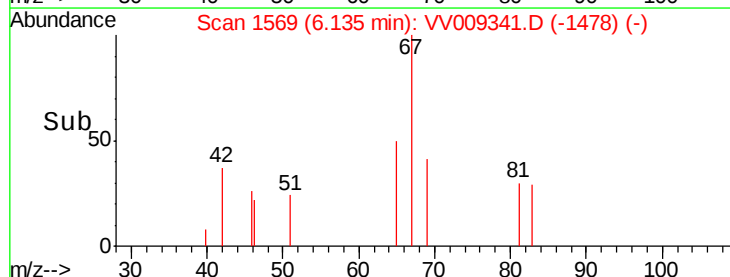
150

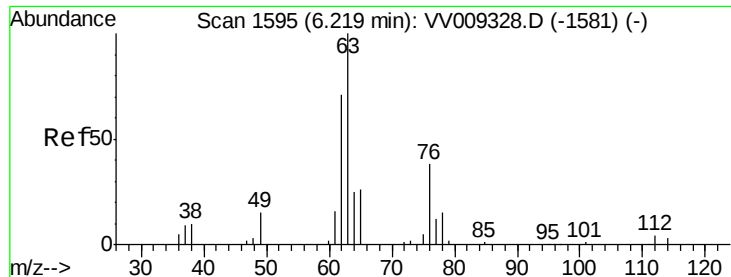
100

50

0

Time-->

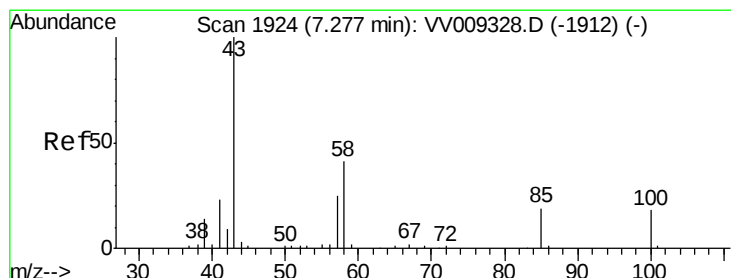
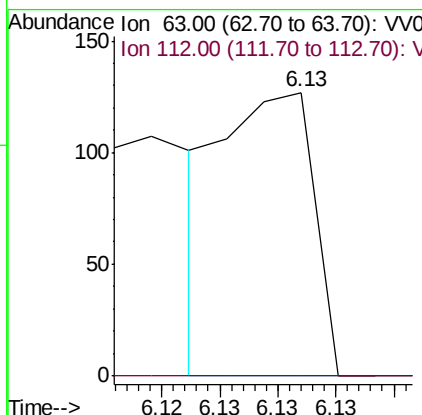
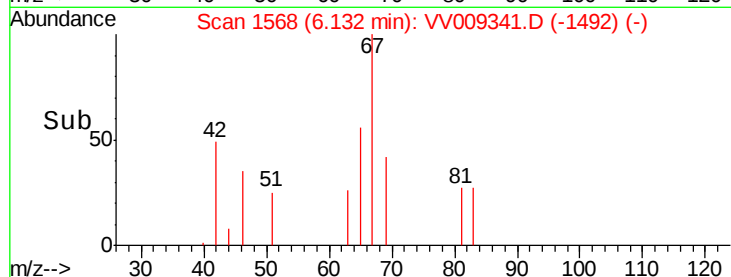
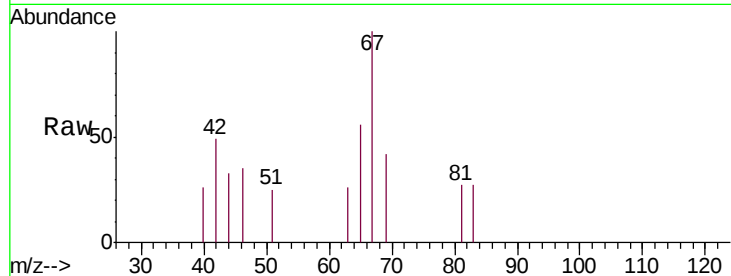




#40
 1,2-Dichloropropane
 Concen: 2.423 ug/L
 RT: 6.13 min Scan# 1568
 Delta R.T. -0.09 min
 Lab File: VV009341.D
 Acq: 22 Feb 2019 20:44

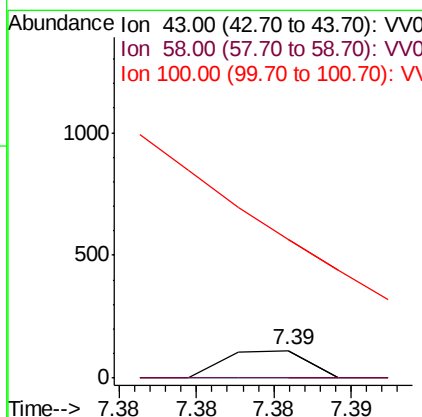
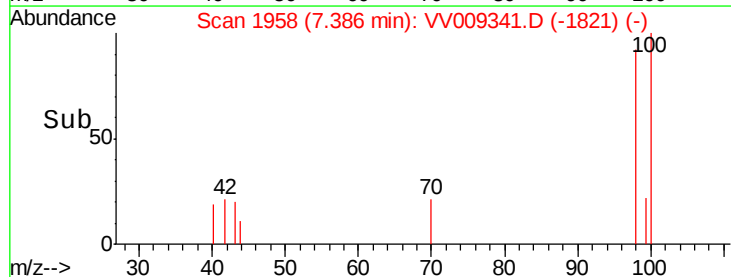
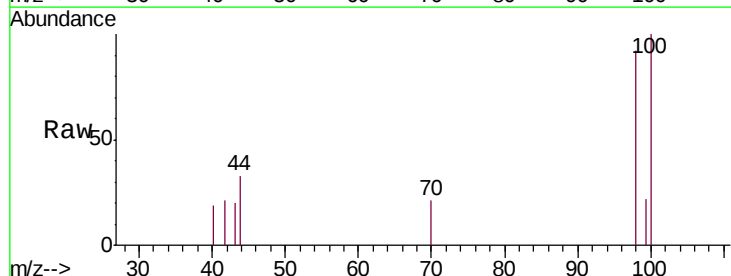
Instrument :
 MSVOA_V
 ClientSampleID :
 DB608

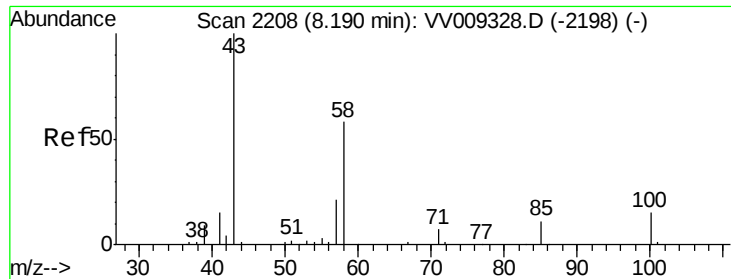
Tgt Ion: 63 Resp: 69
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#43
 4-Methyl-2-pentanone
 Concen: 1.757 ug/L
 RT: 7.39 min Scan# 1958
 Delta R.T. 0.11 min
 Lab File: VV009341.D
 Acq: 22 Feb 2019 20:44

Tgt Ion: 43 Resp: 42
 Ion Ratio Lower Upper
 43 100
 58 0.0 34.2 51.4#
 100 5635.7 15.1 22.7#





#49

2-Hexanone

Concen: 6.472 ug/L

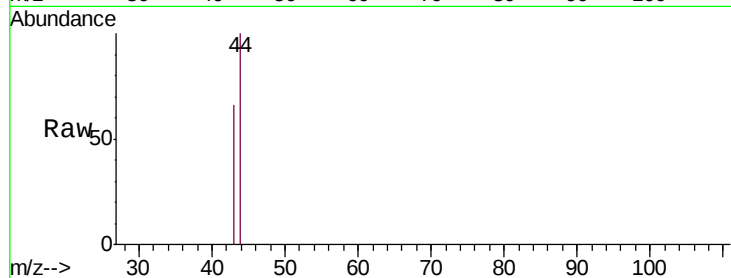
RT: 8.19 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VV009341.D

Acq: 22 Feb 2019 20:44

Instrument :
MSVOA_V
ClientSampleId :
DB608



Tgt Ion:	43	Resp:	119
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#

