

Data File : VV011967.D
Acq On : 23 Jul 2019 16:09
Operator : SY/MD
Sample : K3890-11RE
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52W7

Quant Time: Jul 24 05:56:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	134717	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	125847	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	64388	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38953	5.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.20%
7) Chloroethane-d5	1.59	69	30970	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.40%
11) 1,1-Dichloroethene-d2	2.14	63	60691	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	3.94	46	109696	53.60	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.20%
24) Chloroform-d	4.40	84	93962	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.08	65	52688	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	5.10	84	199934	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
36) 1,2-Dichloropropane-d6	6.12	67	56162	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.36	98	181039	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
43) trans-1,3-Dichloropropene-	7.67	79	21690	5.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.40%
46) 2-Hexanone-d5	8.13	63	89098	54.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.86%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37572	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	73415	5.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.40%

Target Compounds

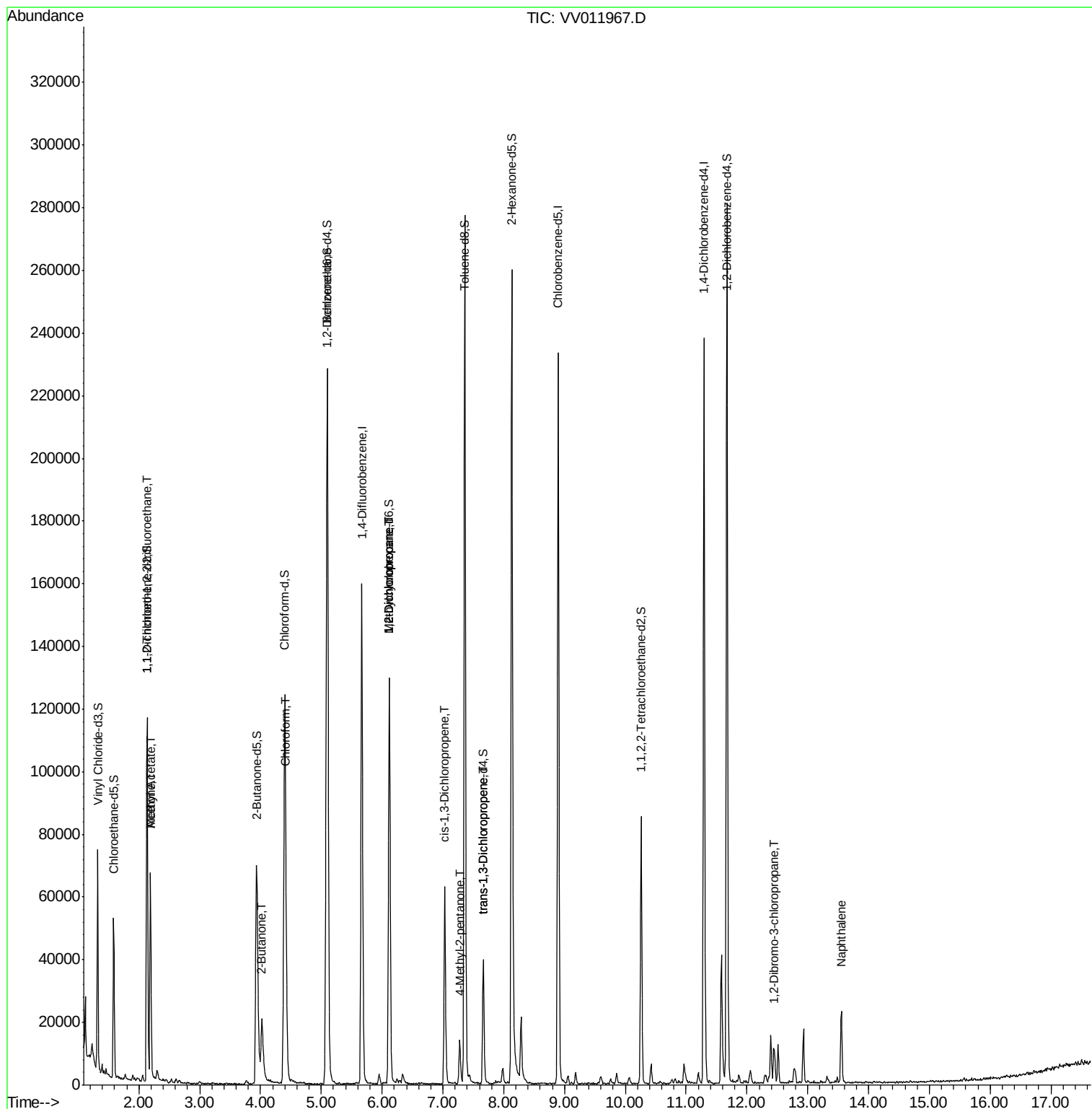
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	620	0.090 ug/L #	15
13) Acetone	2.19	43	64266	58.252 ug/L	100
15) Methyl Acetate	2.19	43	54619	22.677 ug/L #	45
21) 2-Butanone	4.02	43	29278	13.834 ug/L	98
25) Chloroform	4.42	83	5740	0.282 ug/L	88
35) Methylcyclohexane	6.12	83	14157	0.885 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6923	0.778 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1635	0.124 ug/L #	10
40) 4-Methyl-2-pentanone	7.28	43	9303	1.871 ug/L #	88
44) trans-1,3-Dichloropropene	7.67	75	984	0.094 ug/L	85
66) 1,2-Dibromo-3-chloropropan	12.44	75	1580	1.403 ug/L #	1
69) Naphthalene	13.55	128	18530	0.859 ug/L	99

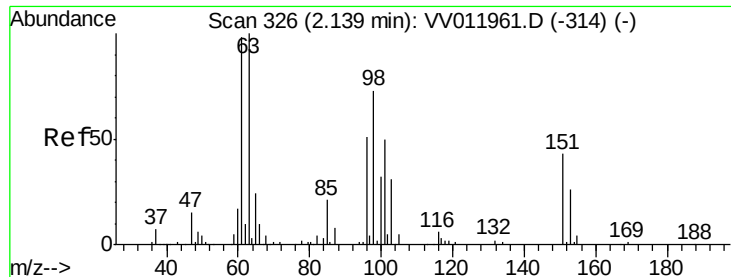
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.090 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV011967.D

Acq: 23 Jul 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

A52W7

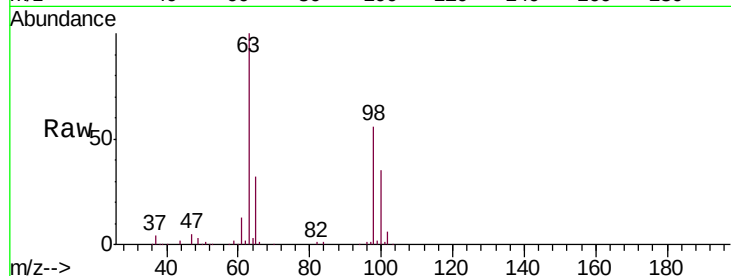
Tgt Ion: 101 Resp: 620

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

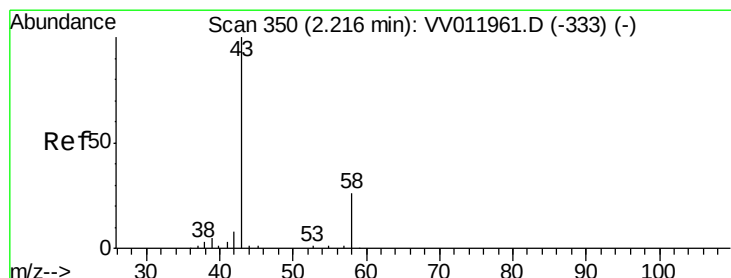
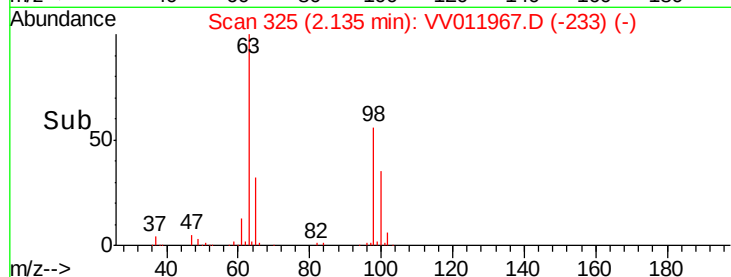
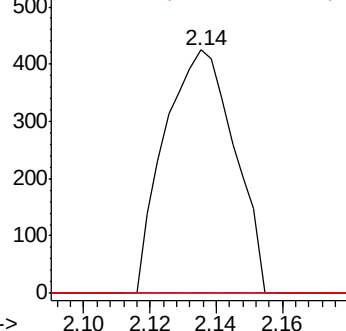
151 0.0 68.3 102.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 58.252 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV011967.D

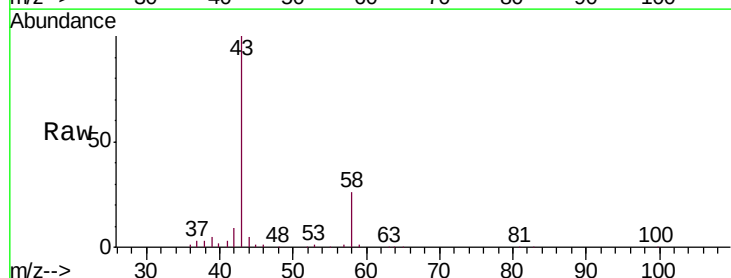
Acq: 23 Jul 2019 16:09

Tgt Ion: 43 Resp: 64266

Ion Ratio Lower Upper

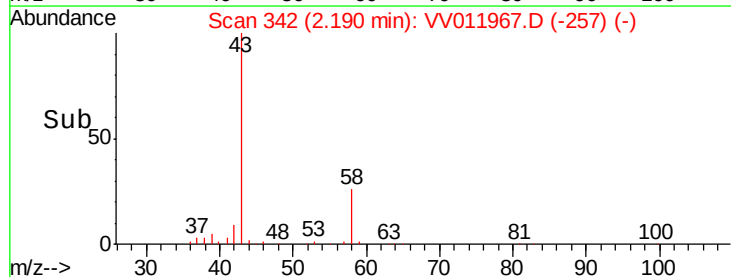
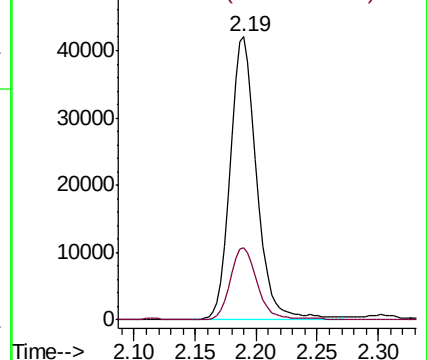
43 100

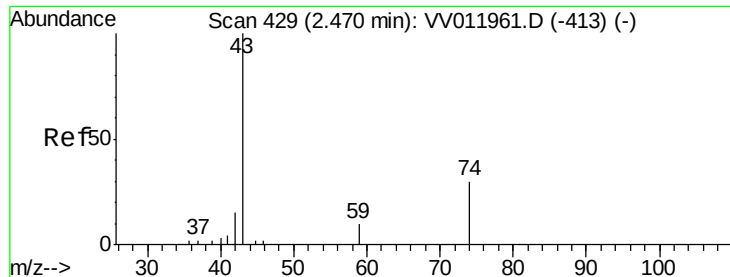
58 25.7 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

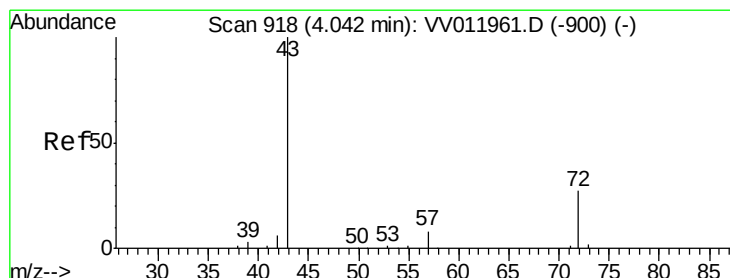
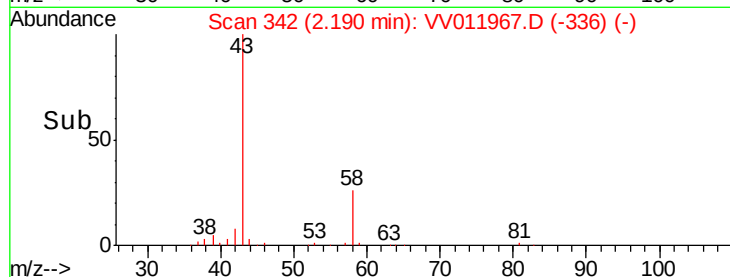
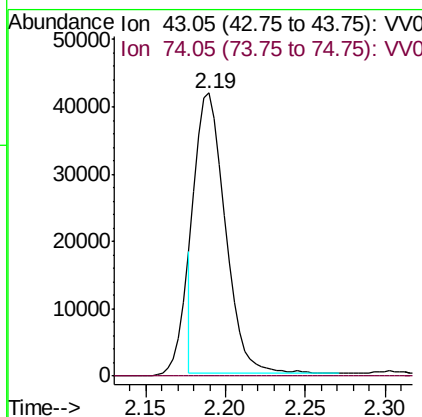
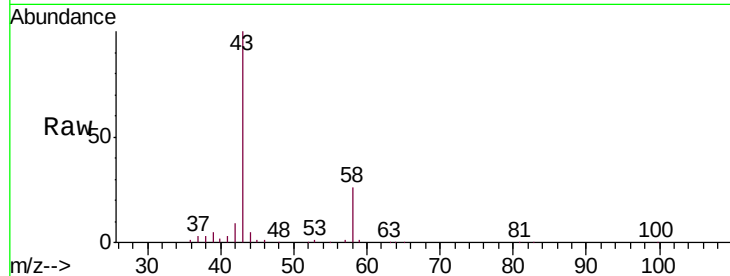




#15
Methyl Acetate
Concen: 22.677 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.28 min
Lab File: VV011967.D
Acq: 23 Jul 2019 16:09

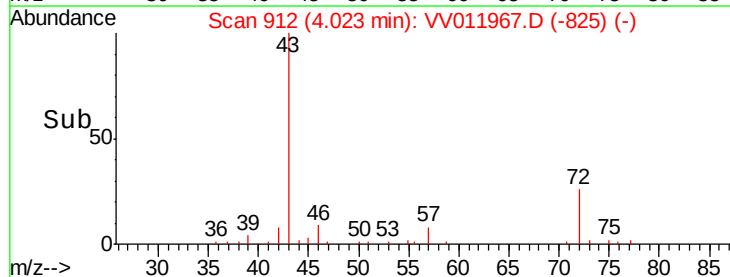
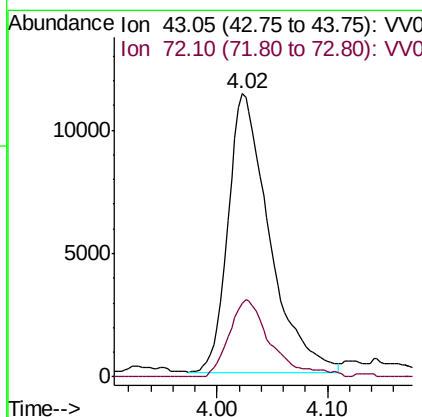
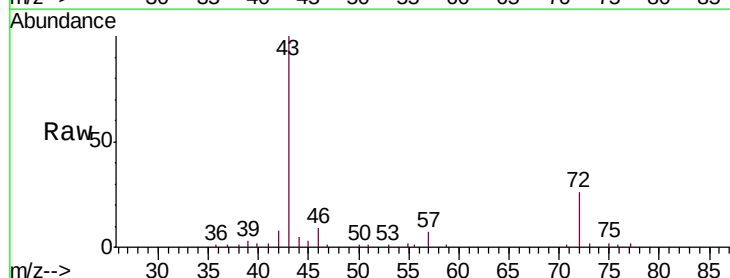
Instrument :
MSVOA_V
ClientSampleId :
A52W7

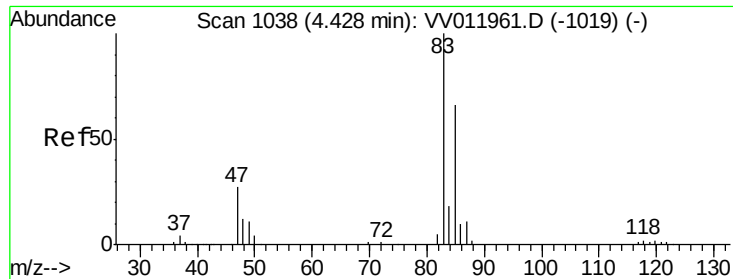
Tgt Ion: 43 Resp: 54619
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.2#



#21
2-Butanone
Concen: 13.834 ug/L
RT: 4.02 min Scan# 912
Delta R.T. -0.02 min
Lab File: VV011967.D
Acq: 23 Jul 2019 16:09

Tgt Ion: 43 Resp: 29278
Ion Ratio Lower Upper
43 100
72 28.1 13.6 40.8





#25

Chloroform

Concen: 0.282 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV011967.D

Acq: 23 Jul 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

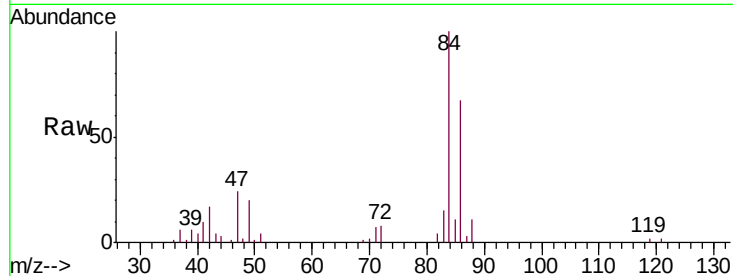
A52W7

Tgt Ion: 83 Resp: 5740

Ion Ratio Lower Upper

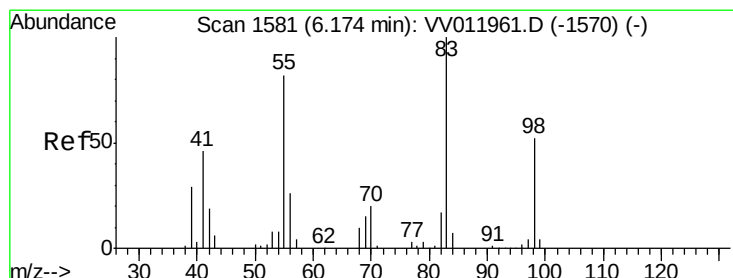
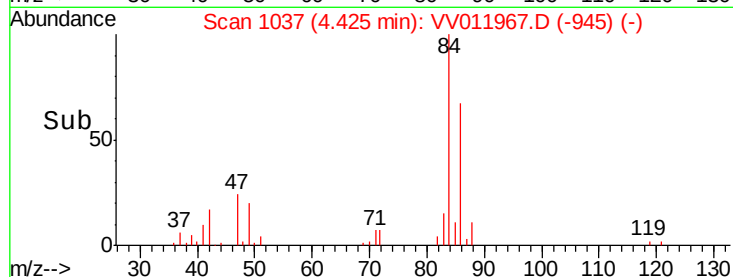
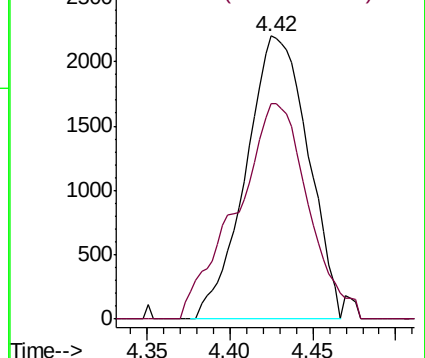
83 100

85 76.0 46.5 86.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#35

Methylcyclohexane

Concen: 0.885 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV011967.D

Acq: 23 Jul 2019 16:09

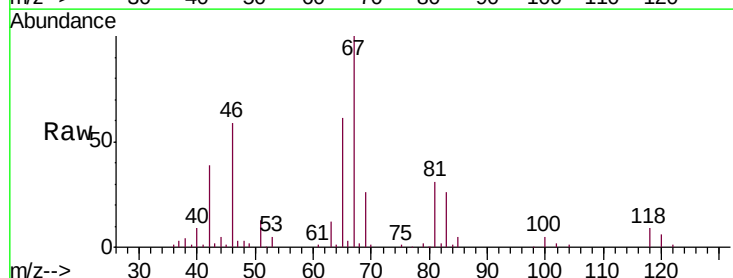
Tgt Ion: 83 Resp: 14157

Ion Ratio Lower Upper

83 100

55 0.1 63.0 94.4#

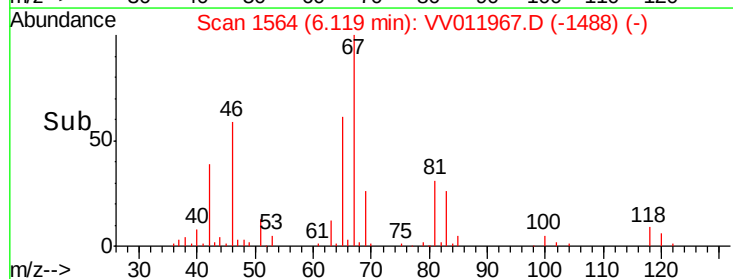
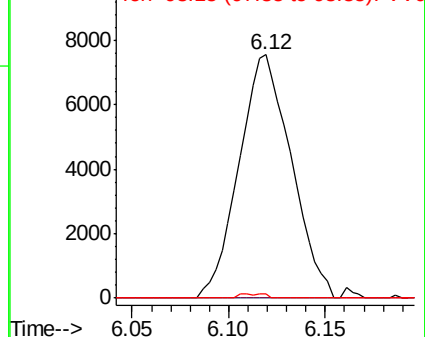
98 0.8 41.4 62.0#

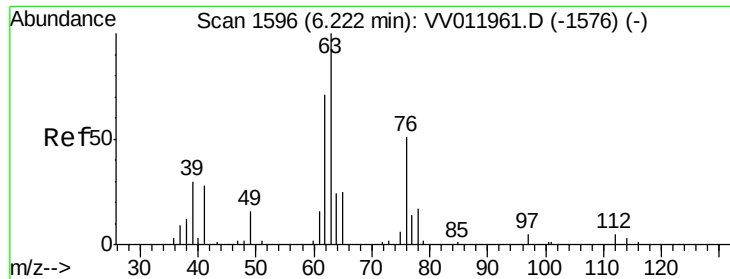


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.778 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV011967.D

Acq: 23 Jul 2019 16:09

Instrument :

MSVOA_V

ClientSampleId :

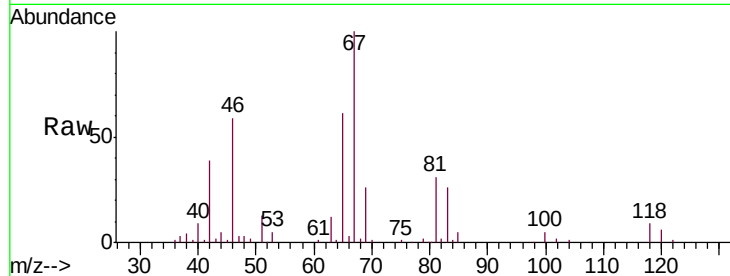
A52W7

Tgt Ion: 63 Resp: 6923

Ion Ratio Lower Upper

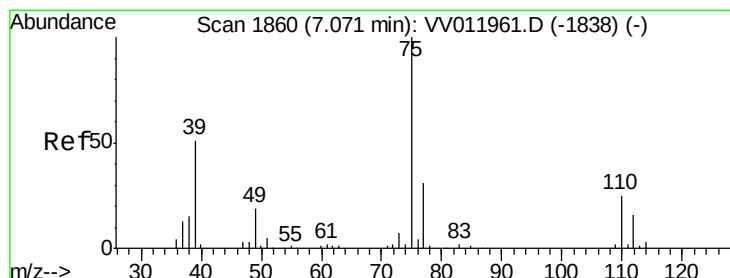
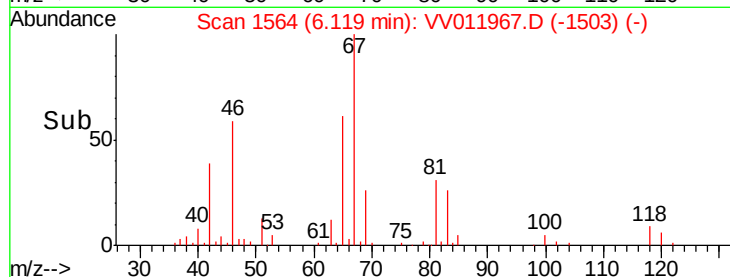
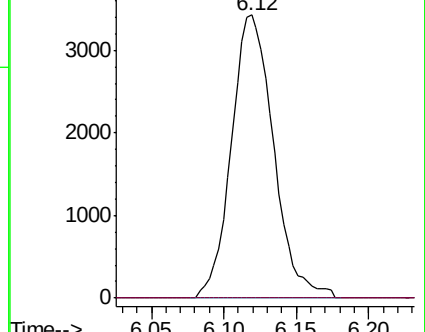
63 100

112 0.0 4.2 6.4#



Abundance Ion 63.10 (62.80 to 63.80): VV011961.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV011961.D (-1576) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.124 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV011967.D

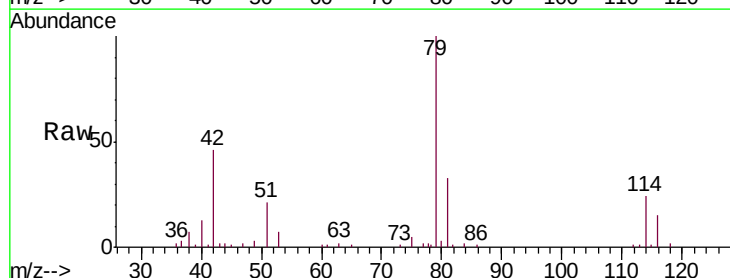
Acq: 23 Jul 2019 16:09

Tgt Ion: 75 Resp: 1635

Ion Ratio Lower Upper

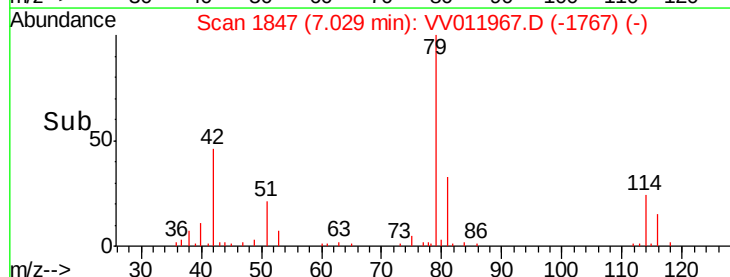
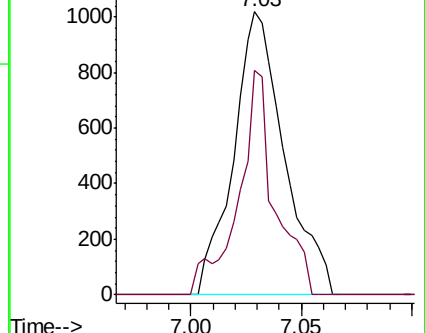
75 100

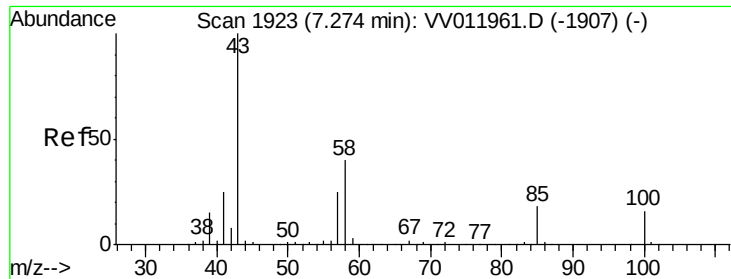
77 79.4 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV011961.D (-1838) (-)

Ion 77.05 (76.75 to 77.75): VV011961.D (-1838) (-)





#40

4-Methyl-2-pentanone

Concen: 1.871 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV011967.D

Acq: 23 Jul 2019 16:09

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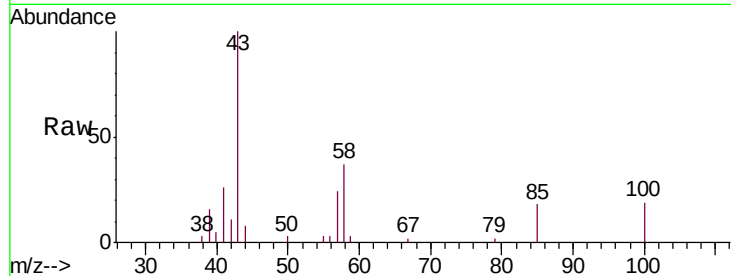
Tgt Ion: 43 Resp: 9303

Ion Ratio Lower Upper

43 100

58 39.1 31.2 46.8

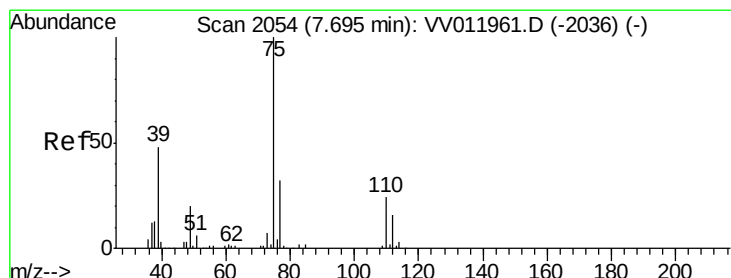
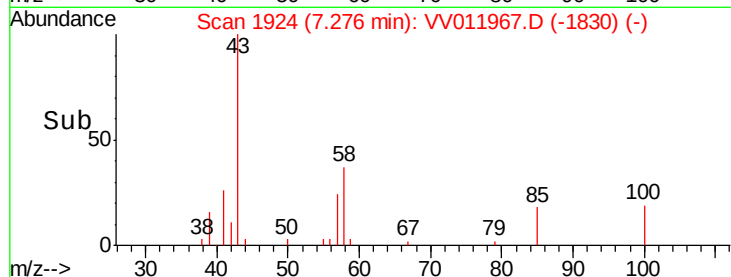
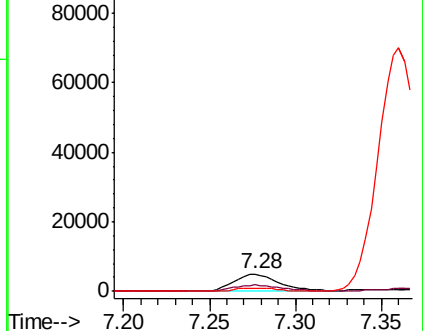
100 0.0 13.5 20.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011967.D

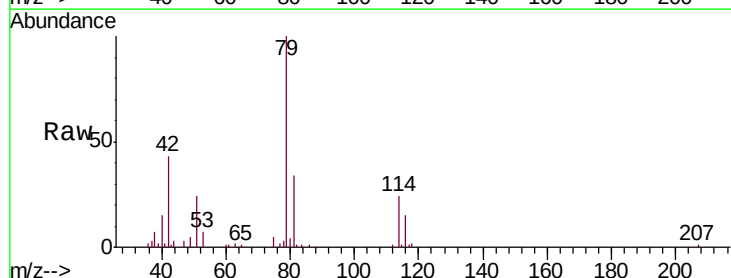
Acq: 23 Jul 2019 16:09

Tgt Ion: 75 Resp: 984

Ion Ratio Lower Upper

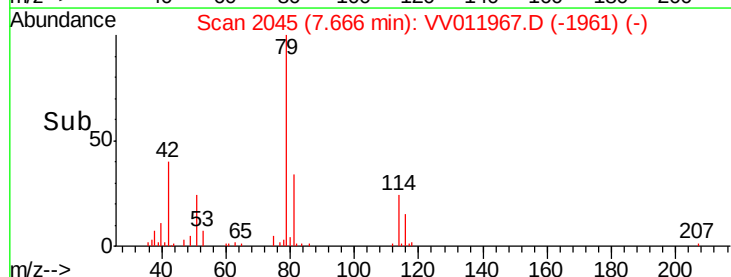
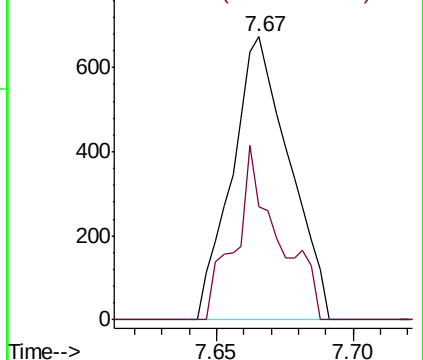
75 100

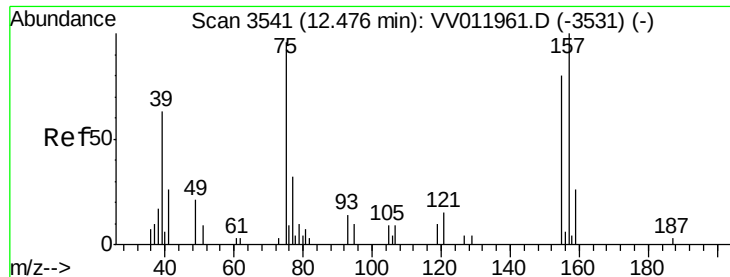
77 39.8 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

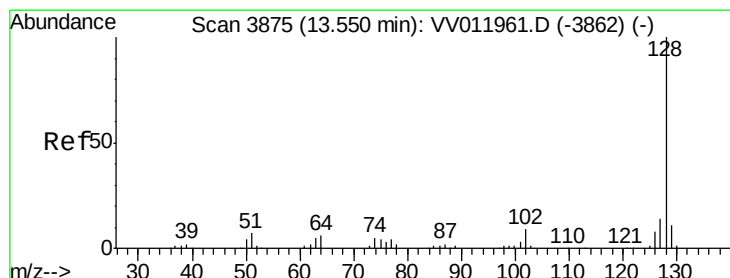
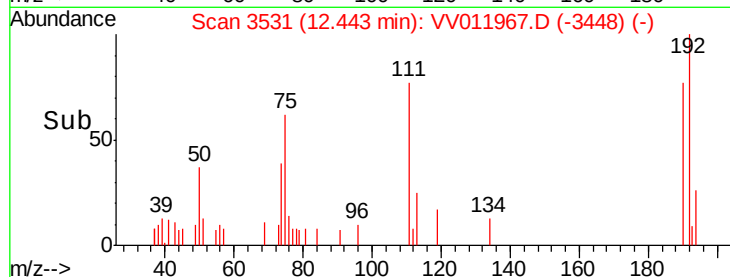
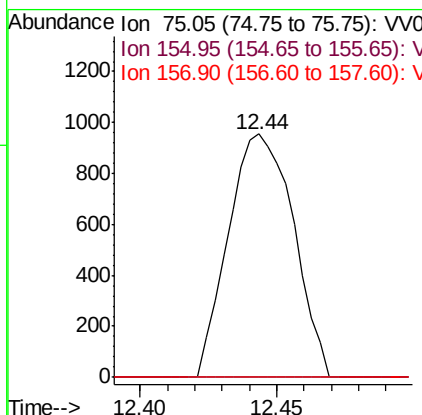
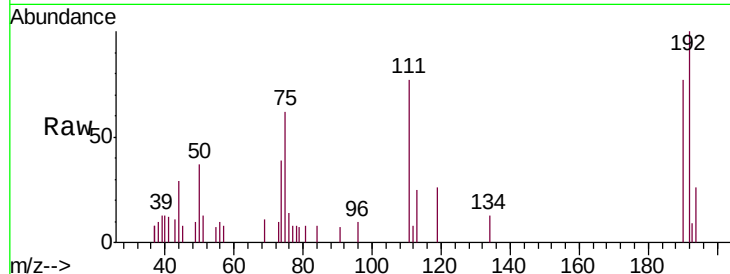




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.403 ug/L
 RT: 12.44 min Scan# 3531
 Delta R.T. -0.03 min
 Lab File: VV011967.D
 Acq: 23 Jul 2019 16:09

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 MSVOA_V
 ClientSampleId :
 A52W7

Tgt Ion: 75 Resp: 1580
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 96.2 144.2#



#69
 Naphthalene
 Concen: 0.859 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV011967.D
 Acq: 23 Jul 2019 16:09

Tgt Ion: 128 Resp: 18530
 Ion Ratio Lower Upper
 128 100
 129 9.7 8.2 12.2
 127 13.8 10.8 16.2

