

Data File : VV011923.D
Acq On : 17 Jul 2019 20:15
Operator : SY/MD
Sample : K3823-13
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52N6

Quant Time: Jul 18 02:23:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	158876	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	154496	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67401	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54955	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.59	69	45787	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.13	63	77269	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.94	46	140251	47.59	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.18%
24) Chloroform-d	4.40	84	109842	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.09	65	60442	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.10	84	219806	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.12	67	68695	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.36	98	186467	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.67	79	21536	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.14	63	89633	43.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39920	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	69672	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	1594	0.101	ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	887	0.096	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	896	0.106	ug/L #	1
13) Acetone	2.19	43	13122	8.773	ug/L	100
15) Methyl Acetate	2.46	43	485	0.153	ug/L #	74
21) 2-Butanone	4.04	43	10162	3.465	ug/L	86
22) cis-1,2-Dichloroethene	3.96	96	24873	2.029	ug/L	94
25) Chloroform	4.43	83	2640	0.109	ug/L	85
34) Trichloroethene	5.96	95	14328	1.066	ug/L	95
35) Methylcyclohexane	6.12	83	17550	0.861	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	8623	0.731	ug/L #	87
42) Toluene	7.43	91	387097	7.631	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1176	0.092	ug/L #	71
48) 2-Hexanone	8.18	43	10030	1.976	ug/L #	77
65) 1,2-Dichlorobenzene	11.69	146	2056	0.101	ug/L #	78
66) 1,2-Dibromo-3-chloropropan	12.45	75	2300	1.993	ug/L #	3

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

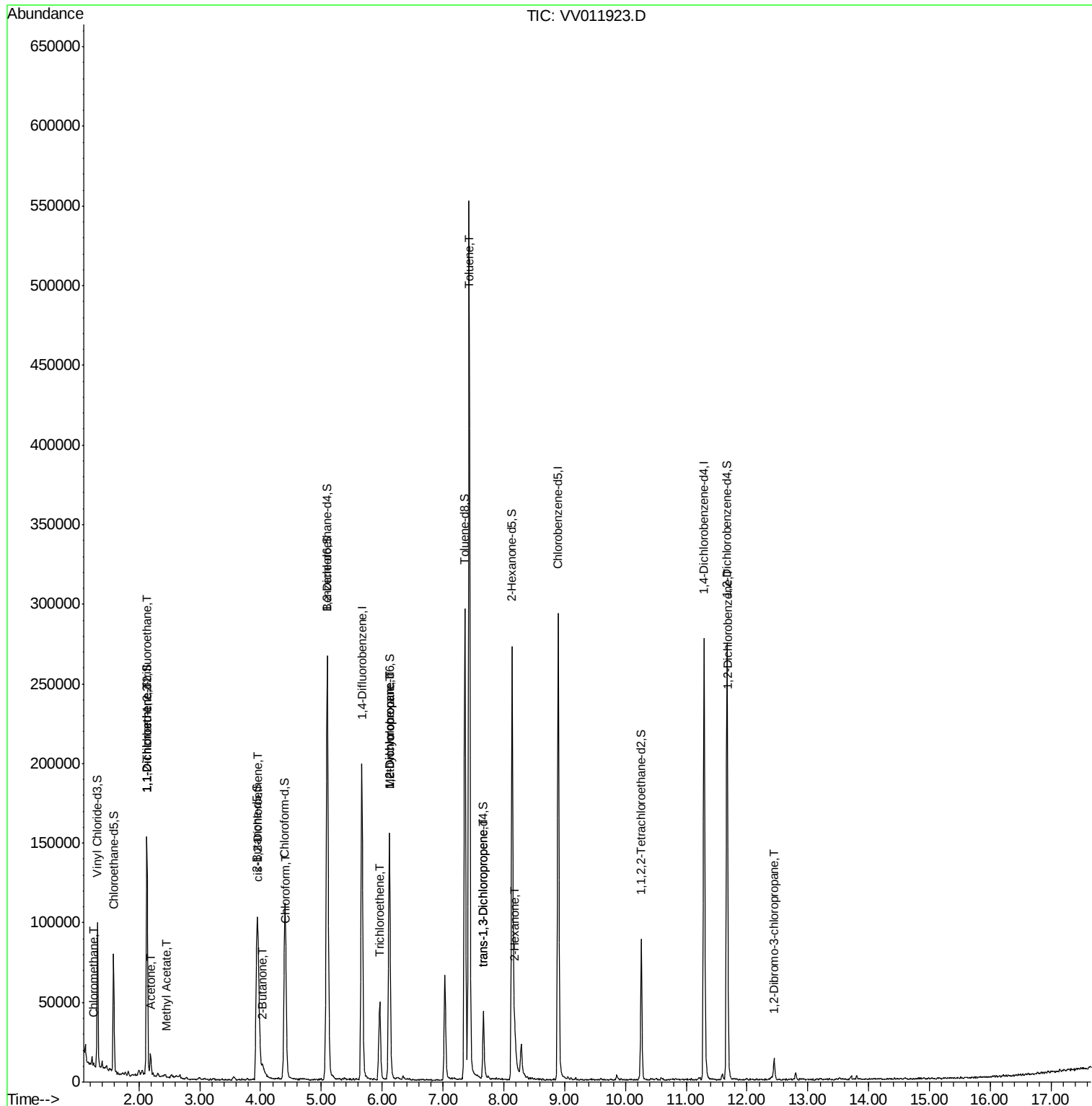
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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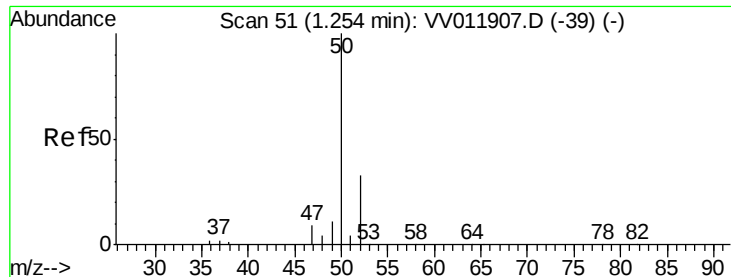
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.101 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011923.D

Acq: 17 Jul 2019 20:15

Instrument :

MSVOA_V

ClientSampleId :

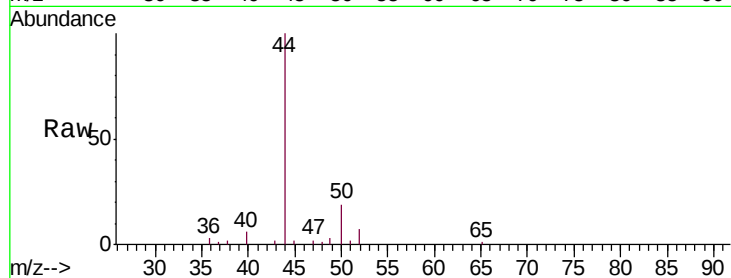
A52N6

Tgt Ion: 50 Resp: 1594

Ion Ratio Lower Upper

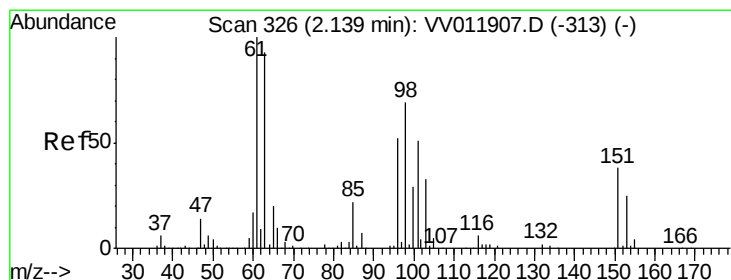
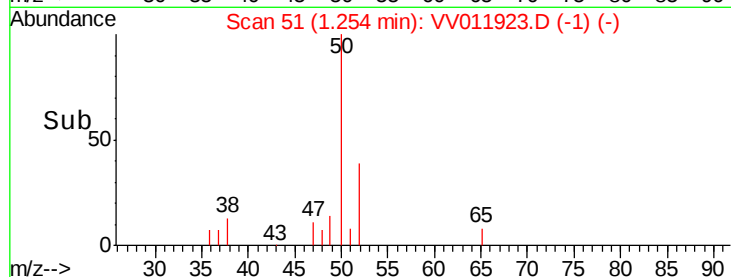
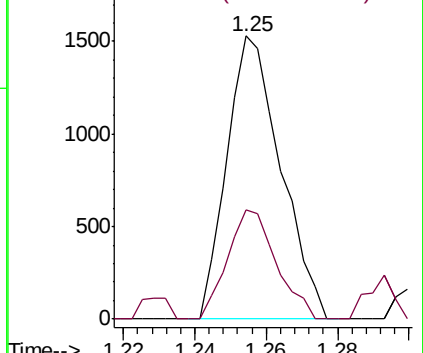
50 100

52 38.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV011907.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV011907.D (-39) (-)



#10

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

Concen: 0.096 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV011923.D

Acq: 17 Jul 2019 20:15

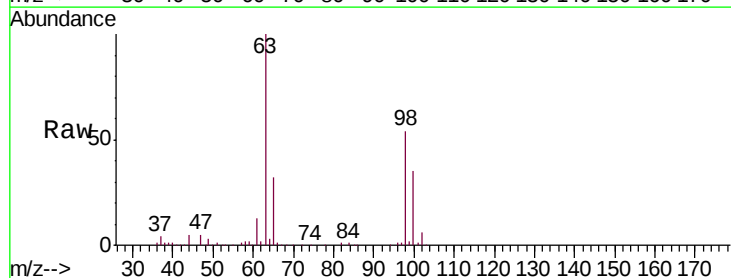
Tgt Ion: 101 Resp: 887

Ion Ratio Lower Upper

101 100

85 5.0 34.7 52.1#

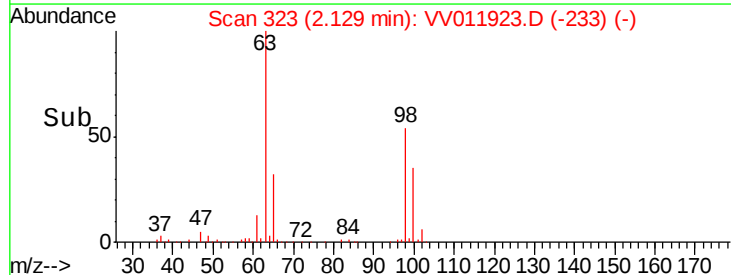
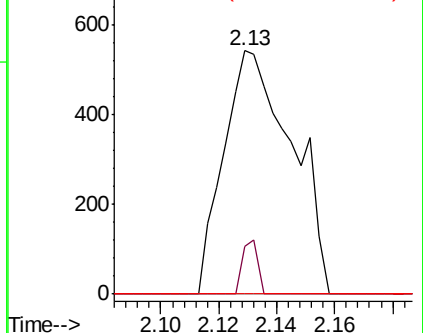
151 0.0 61.5 92.3#

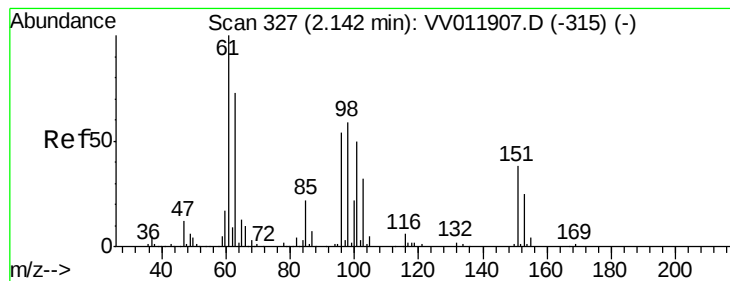


Abundance Ion 101.00 (100.70 to 101.70): VV011907.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV011907.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV011907.D (-313) (-)





#12

1,1-Dichloroethene

Concen: 0.106 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.02 min

Lab File: VV011923.D

Acq: 17 Jul 2019 20:15

Instrument :

MSVOA_V

ClientSampleId :

A52N6

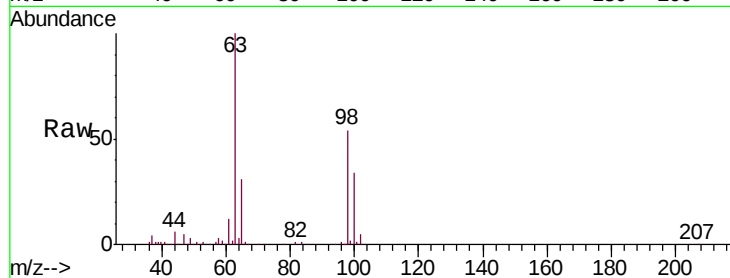
Tgt Ion: 96 Resp: 896

Ion Ratio Lower Upper

96 100

61 829.2 128.9 239.3#

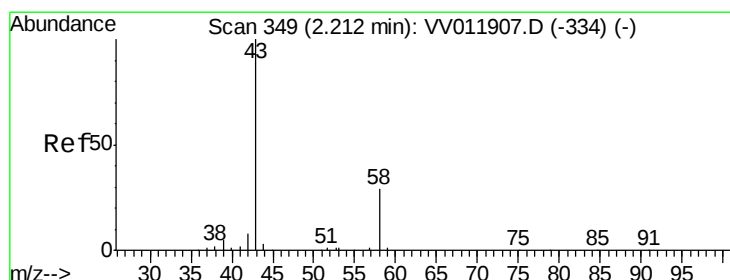
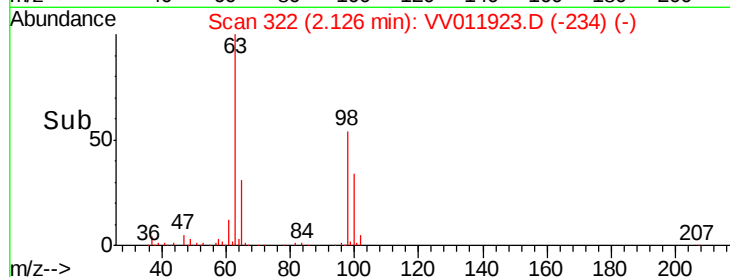
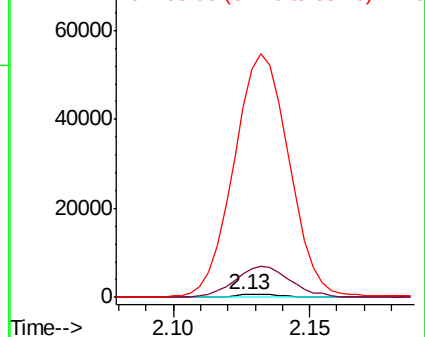
63 6727.0 85.5 158.9#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 8.773 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV011923.D

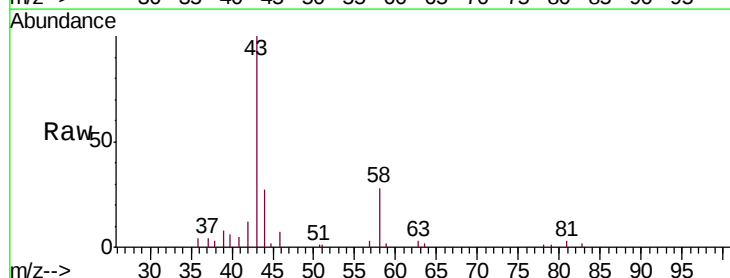
Acq: 17 Jul 2019 20:15

Tgt Ion: 43 Resp: 13122

Ion Ratio Lower Upper

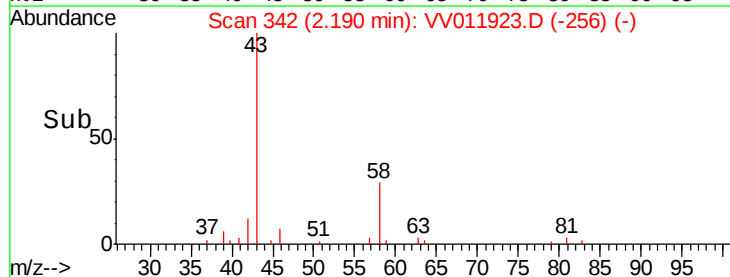
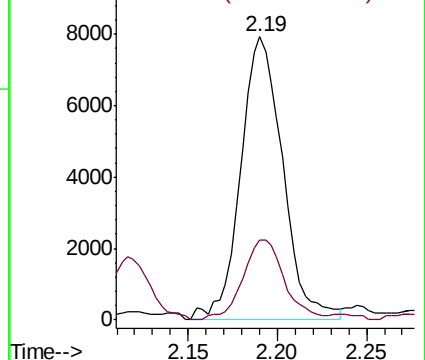
43 100

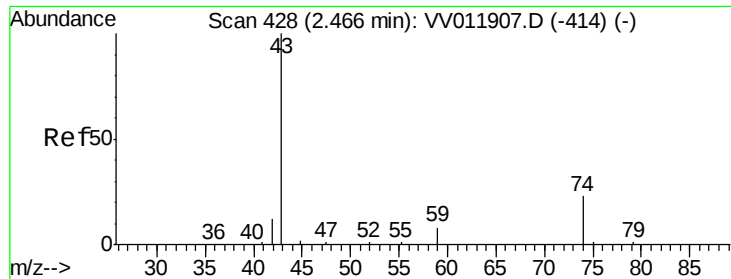
58 28.0 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

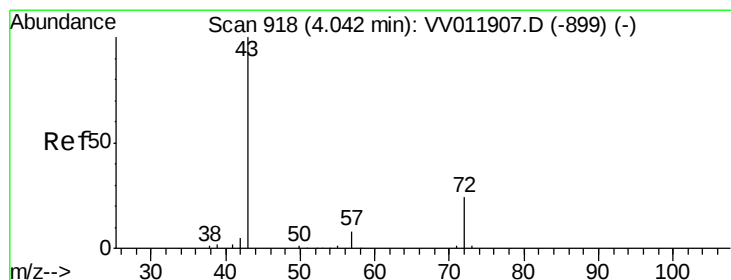
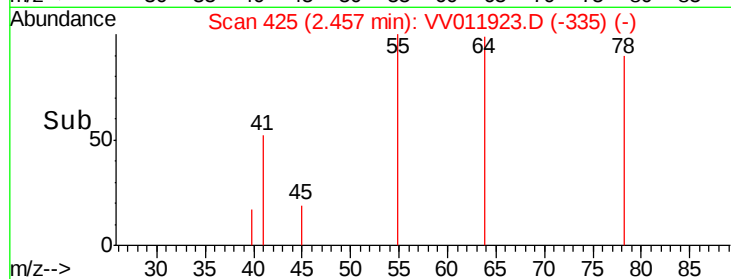
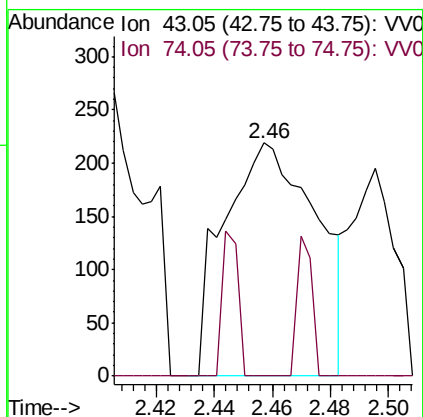
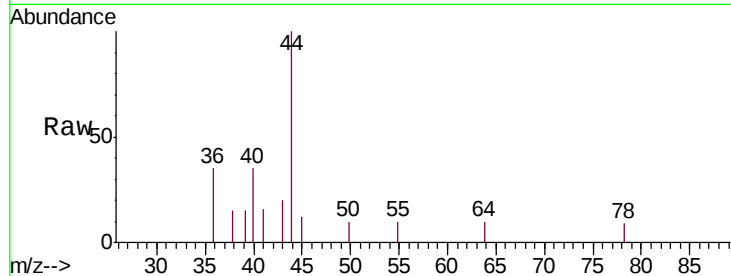




#15
Methyl Acetate
Concen: 0.153 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV011923.D
Acq: 17 Jul 2019 20:15

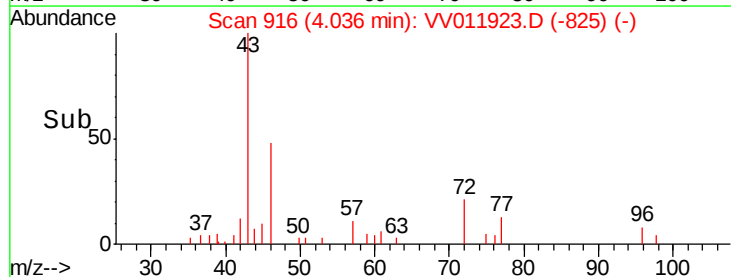
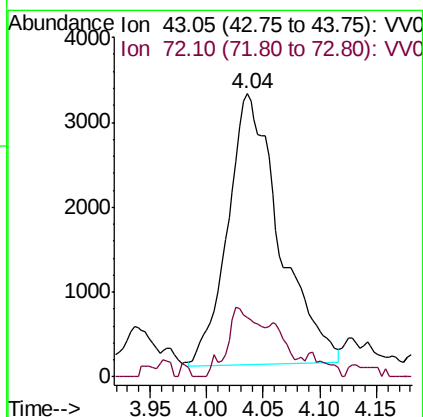
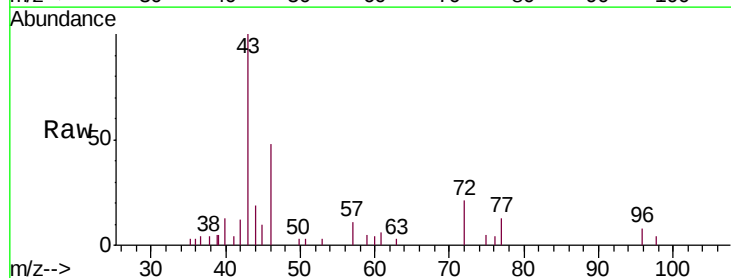
Instrument :
MSVOA_V
ClientSampled :
A52N6

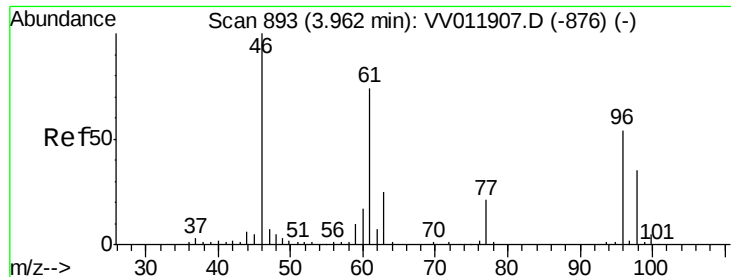
Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
74 10.3 18.3 27.5#



#21
2-Butanone
Concen: 3.465 ug/L
RT: 4.04 min Scan# 916
Delta R.T. -0.01 min
Lab File: VV011923.D
Acq: 17 Jul 2019 20:15

Tgt Ion: 43 Resp: 10162
Ion Ratio Lower Upper
43 100
72 15.7 11.2 33.6

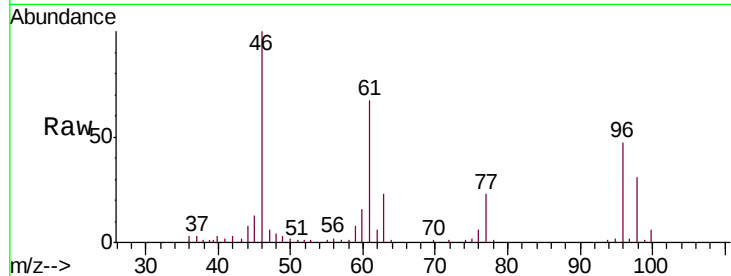




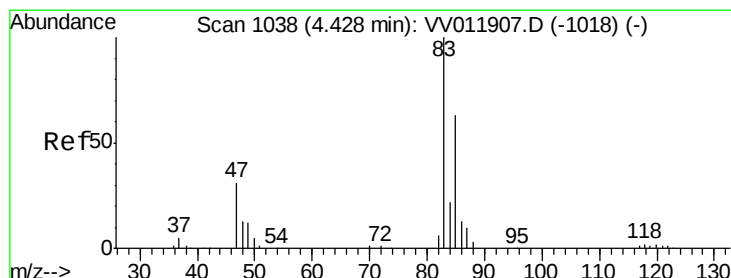
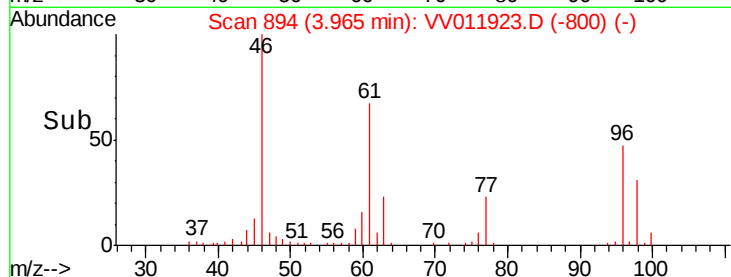
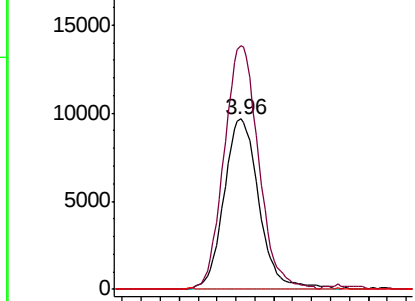
#22
 cis-1,2-Dichloroethene
 Concen: 2.029 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV011923.D
 Acq: 17 Jul 2019 20:15

Instrument :
 MSVOA_V
 ClientSampleId :
 A52N6

Tgt Ion: 96 Resp: 24873
 Ion Ratio Lower Upper
 96 100
 61 142.8 95.2 176.8
 68 0.0 0.0 0.0

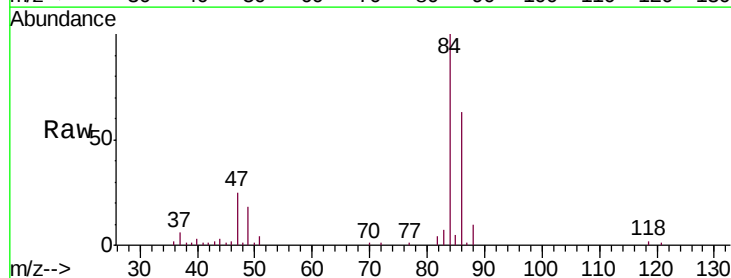


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

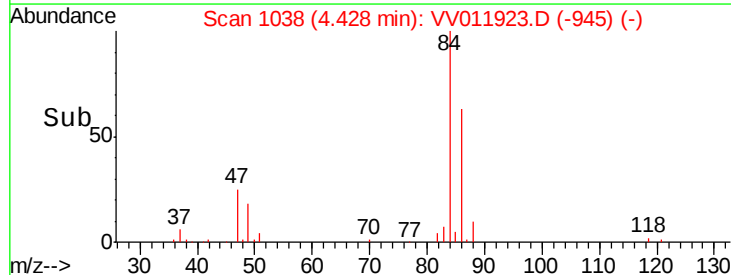
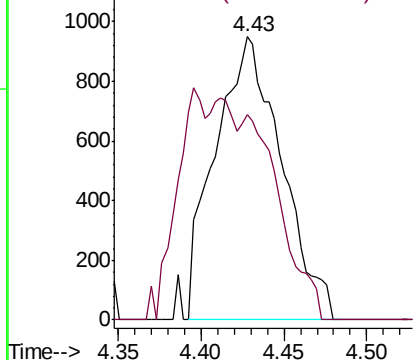


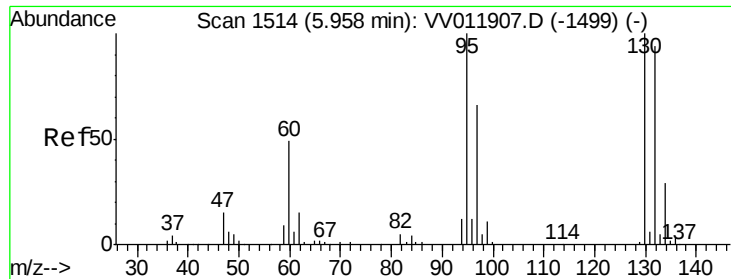
#25
 Chloroform
 Concen: 0.109 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV011923.D
 Acq: 17 Jul 2019 20:15

Tgt Ion: 83 Resp: 2640
 Ion Ratio Lower Upper
 83 100
 85 72.5 42.5 78.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 1.066 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV011923.D

Acq: 17 Jul 2019 20:15

Instrument :

MSVOA_V

ClientSampleId :

A52N6

Tgt Ion: 95 Resp: 14328

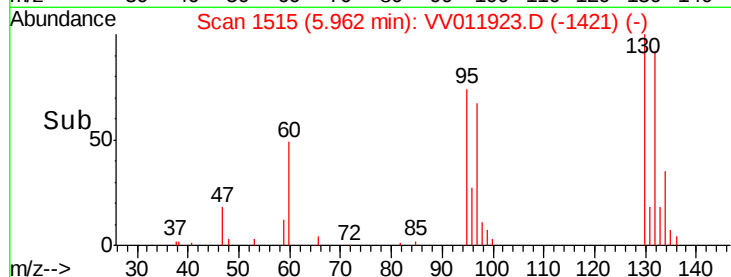
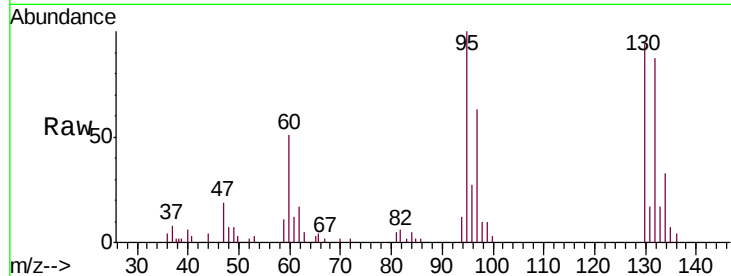
Ion Ratio Lower Upper

95 100

97 63.2 44.0 81.6

132 86.6 67.0 124.4

130 93.8 69.1 128.3

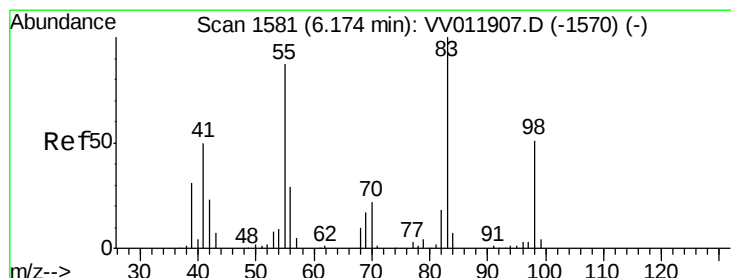
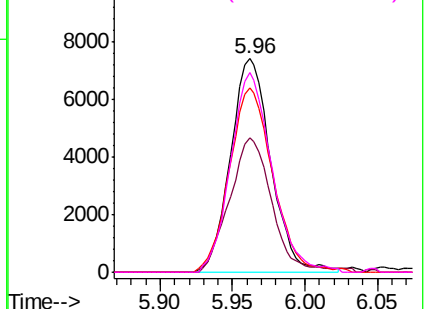


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.861 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV011923.D

Acq: 17 Jul 2019 20:15

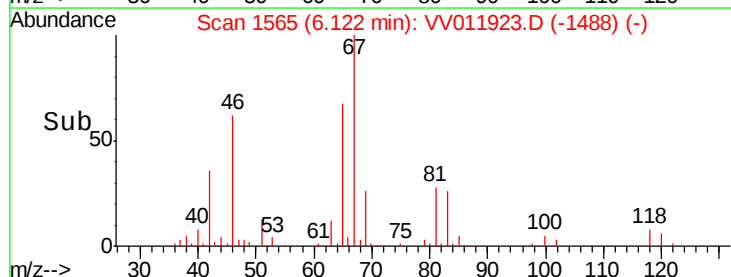
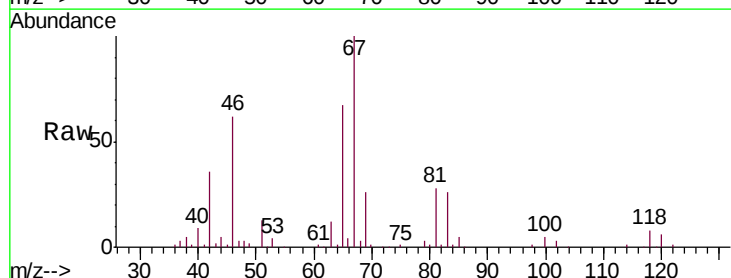
Tgt Ion: 83 Resp: 17550

Ion Ratio Lower Upper

83 100

55 0.4 66.7 100.1#

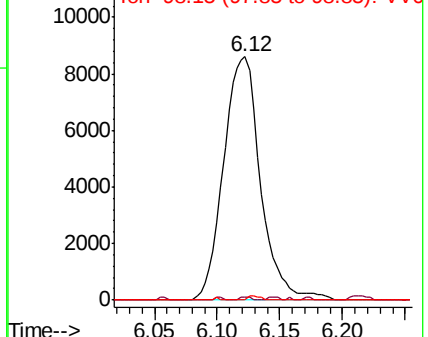
98 0.6 39.0 58.4#

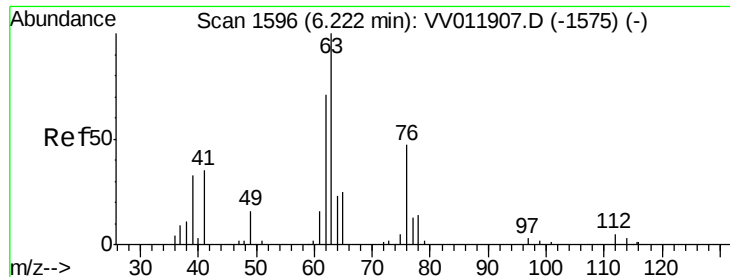


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

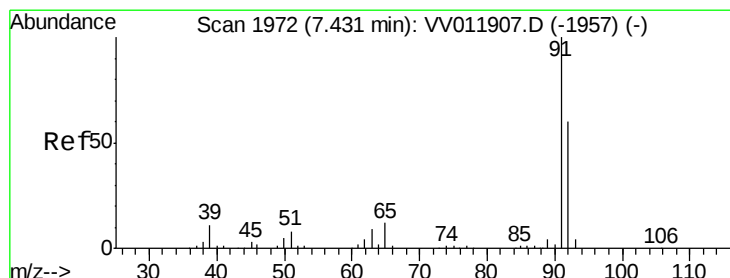
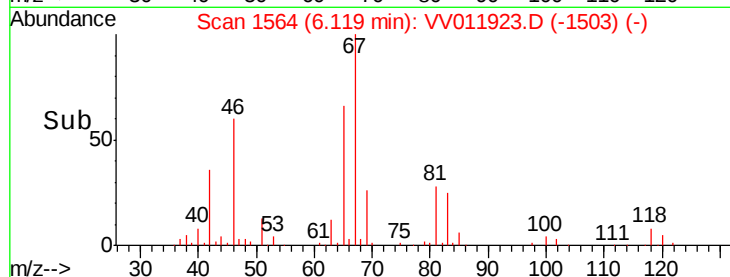
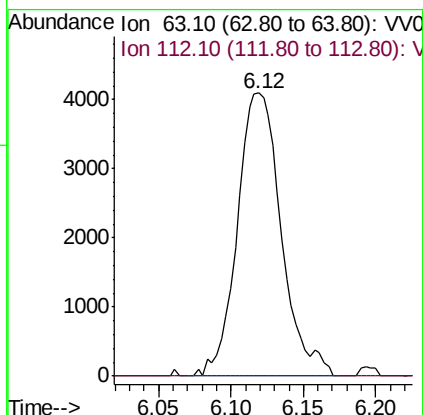
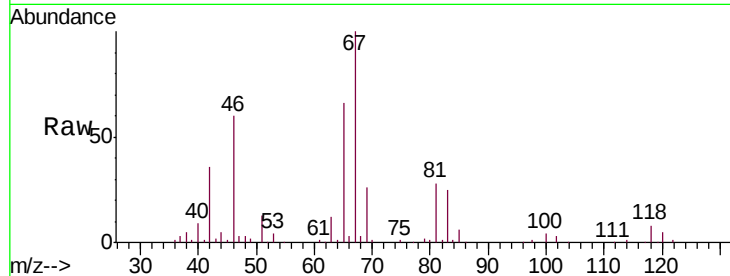




#37
 1,2-Dichloropropane
 Concen: 0.731 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011923.D
 Acq: 17 Jul 2019 20:15

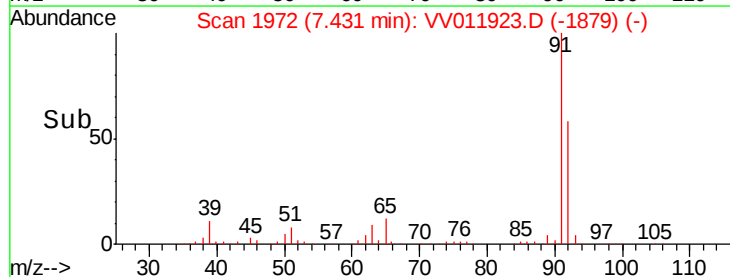
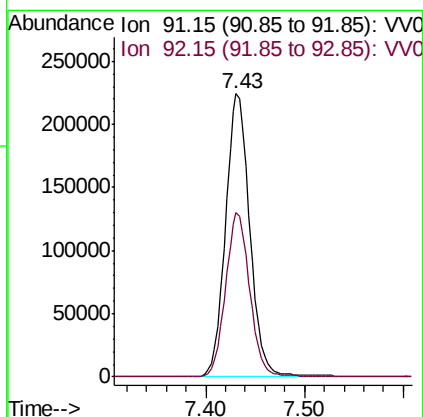
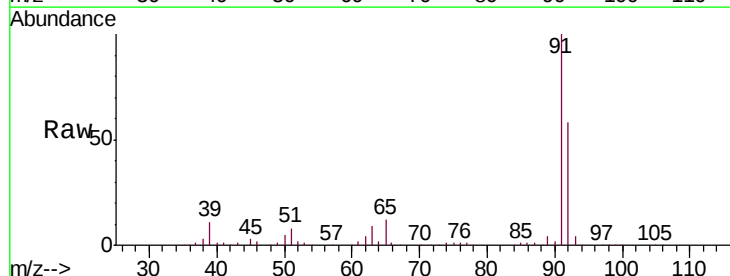
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 A52N6

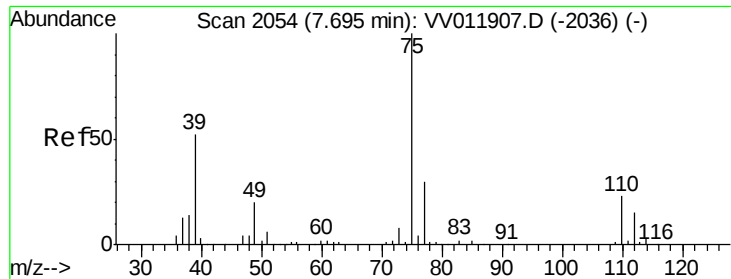
Tgt Ion: 63 Resp: 8623
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#42
 Toluene
 Concen: 7.631 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV011923.D
 Acq: 17 Jul 2019 20:15

Tgt Ion: 91 Resp: 387097
 Ion Ratio Lower Upper
 91 100
 92 58.0 41.1 76.3





#44

trans-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011923.D

Acq: 17 Jul 2019 20:15

Instrument :

MSVOA_V

ClientSampleId :

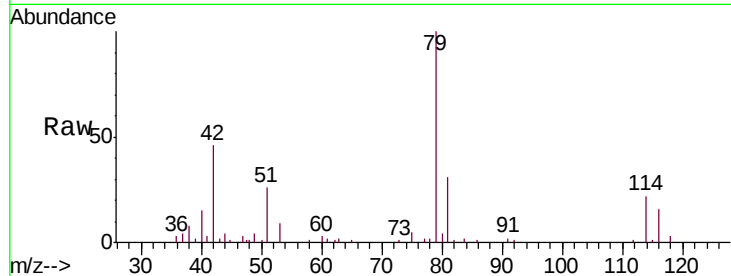
A52N6

Tgt Ion: 75 Resp: 1176

Ion Ratio Lower Upper

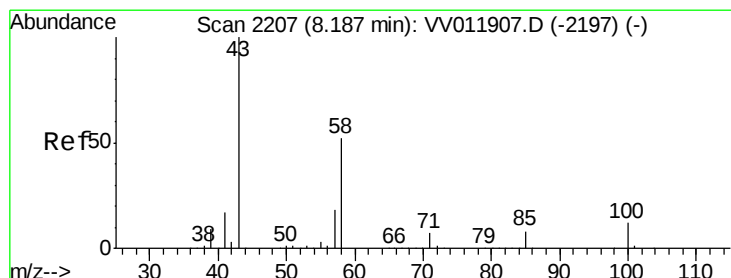
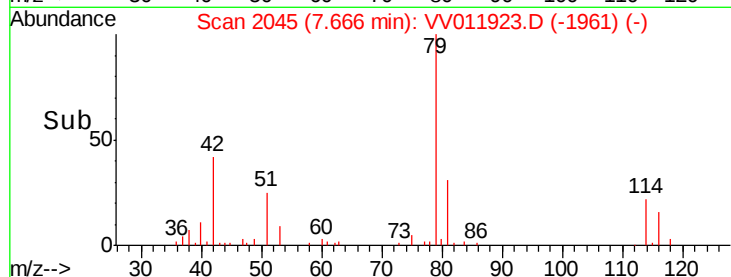
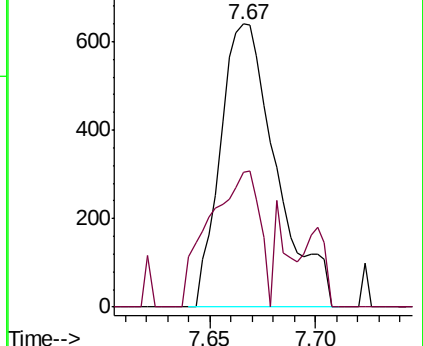
75 100

77 47.9 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 1.976 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VV011923.D

Acq: 17 Jul 2019 20:15

Tgt Ion: 43 Resp: 10030

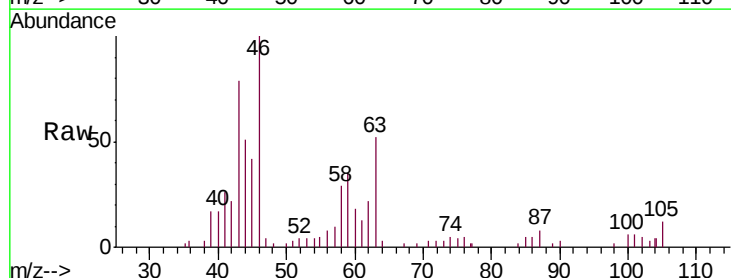
Ion Ratio Lower Upper

43 100

58 35.8 41.1 61.7#

57 6.0 14.3 21.5#

100 4.9 8.7 13.1#

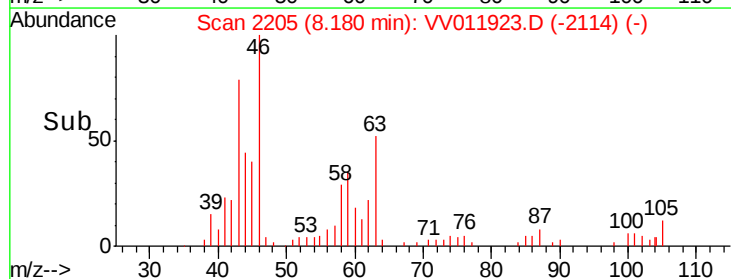
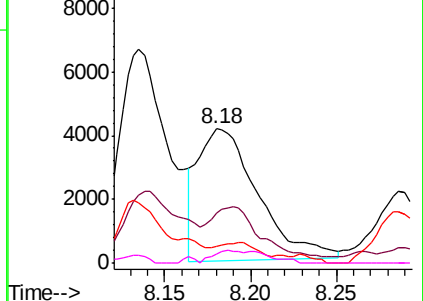


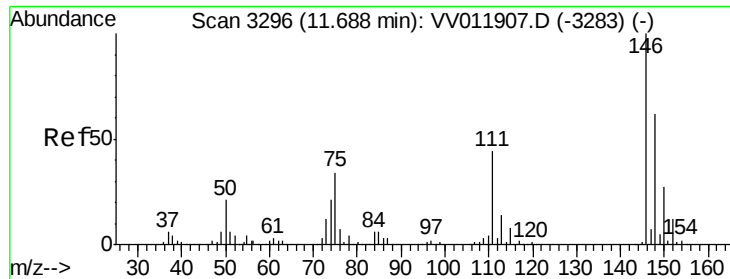
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#65

1,2-Dichlorobenzene

Concen: 0.101 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011923.D

Acq: 17 Jul 2019 20:15

Instrument :

MSVOA_V

ClientSampleId :

A52N6

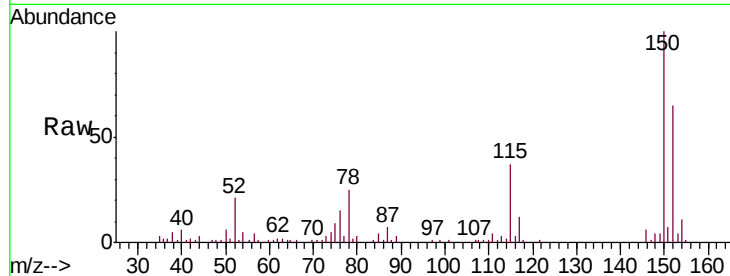
Tgt Ion:146 Resp: 2056

Ion Ratio Lower Upper

146 100

111 66.9 34.0 51.0#

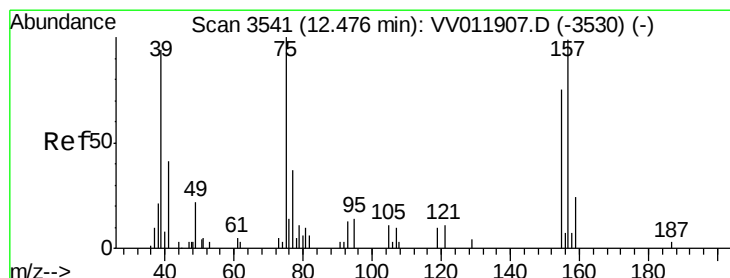
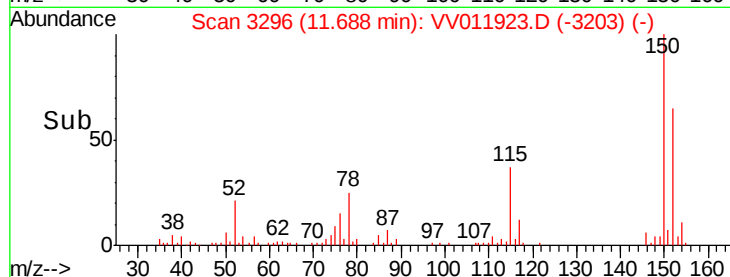
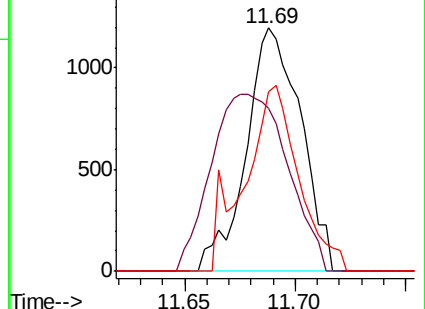
148 73.8 51.8 77.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.993 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.03 min

Lab File: VV011923.D

Acq: 17 Jul 2019 20:15

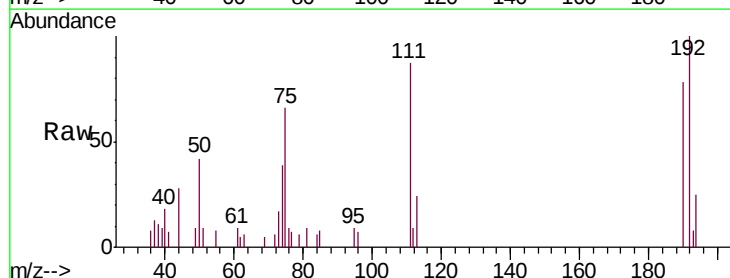
Tgt Ion: 75 Resp: 2300

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 0.0 85.5 128.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

