

Data File : VV012376.D
Acq On : 23 Aug 2019 20:56
Operator : SY/MD
Sample : K4500-02
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANJ8

Quant Time: Aug 26 08:03:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	250904	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	249197	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	97765	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69243	5.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.40%
7) Chloroethane-d5	1.58	69	47998	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.13	63	88369	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	3.94	46	135172	40.00	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.00%
24) Chloroform-d	4.40	84	129948	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.08	65	73861	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.10	84	288833	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	89693	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.36	98	240262	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.66	79	29009	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.13	63	84330	39.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	54743	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	81508	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

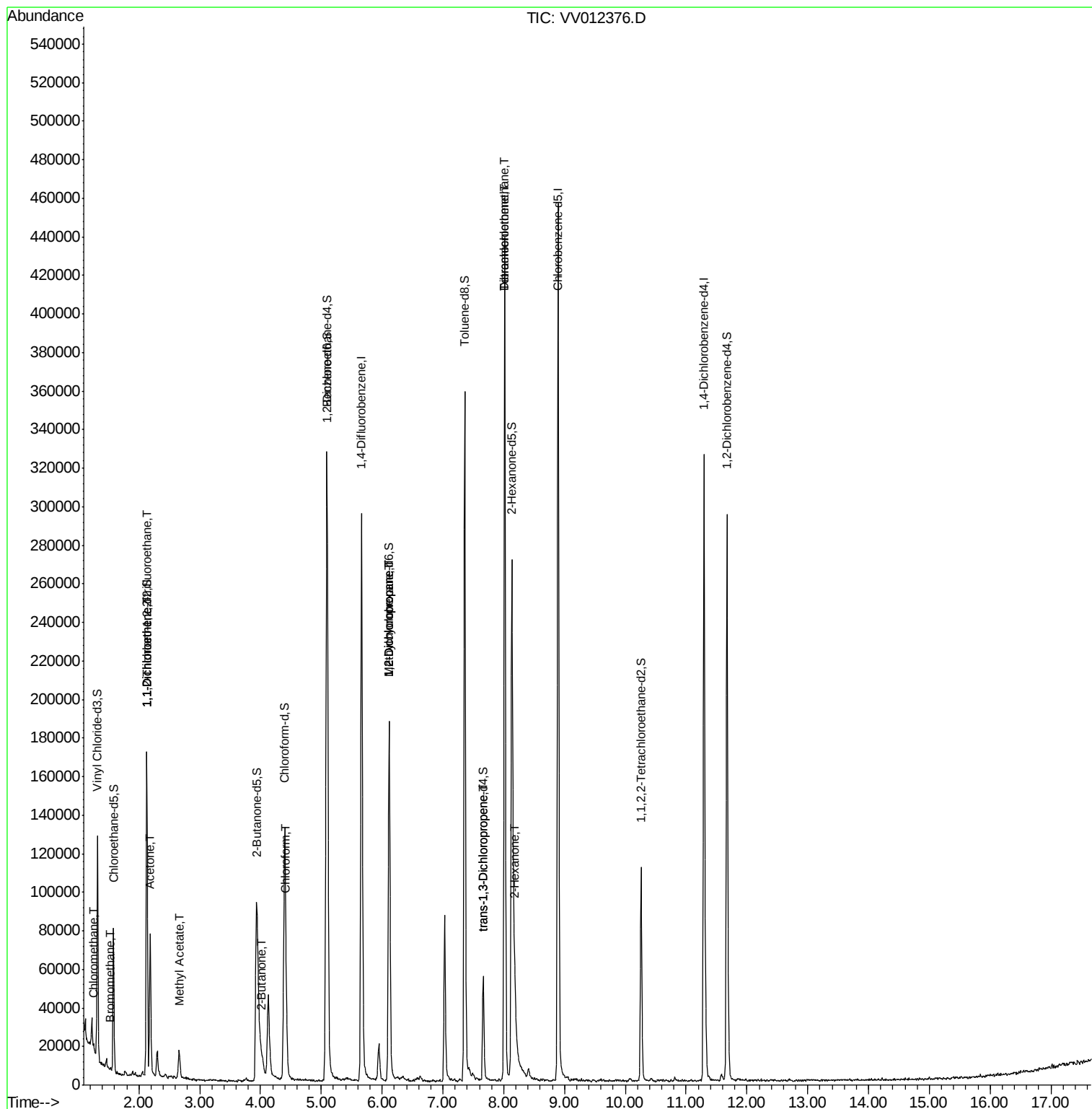
					Qvalue
3) Chloromethane	1.25	50	1588	0.096 ug/L	96
6) Bromomethane	1.54	94	733	0.100 ug/L	80
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	942	0.085 ug/L #	15
12) 1,1-Dichloroethene	2.13	96	882	0.088 ug/L #	1
13) Acetone	2.19	43	70052	47.913 ug/L	97
15) Methyl Acetate	2.67	43	2716	0.738 ug/L #	53
21) 2-Butanone	4.03	43	9348	2.722 ug/L	93
25) Chloroform	4.43	83	15012	0.483 ug/L	88
35) Methylcyclohexane	6.12	83	21099	0.783 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	10791	0.670 ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	1341	0.082 ug/L #	79
47) Tetrachloroethene	8.02	164	100821	7.286 ug/L	97
48) 2-Hexanone	8.18	43	19820	3.185 ug/L #	85
49) Dibromochloromethane	8.02	129	84564	6.765 ug/L #	11

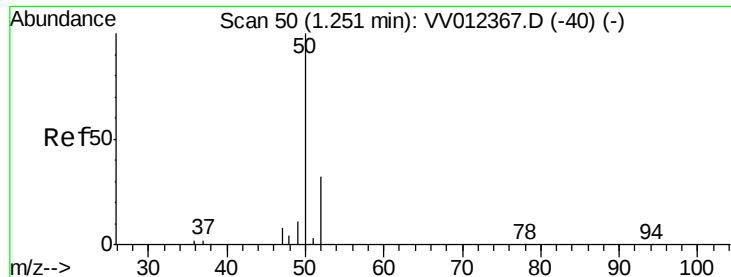
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.096 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012376.D

Acq: 23 Aug 2019 20:56

Instrument :

MSVOA_V

ClientSampleId :

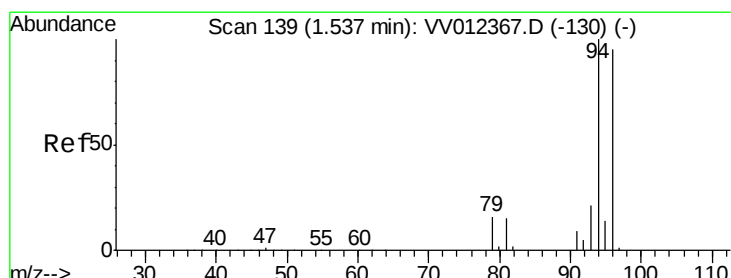
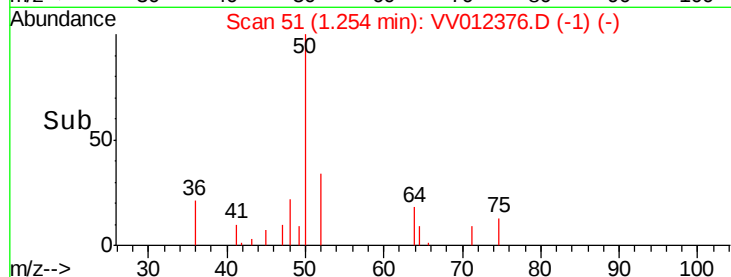
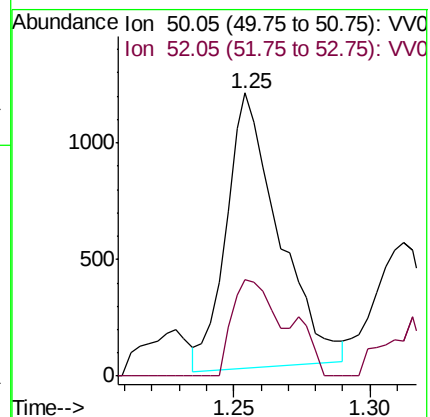
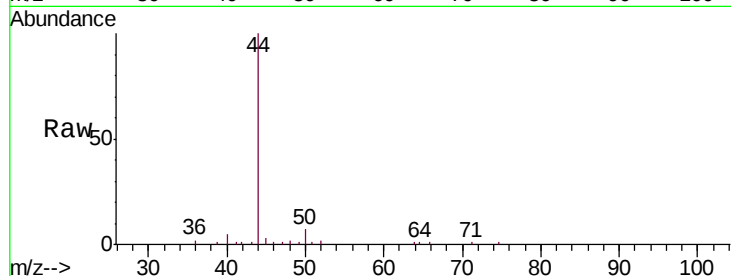
GANJ8

Tgt Ion: 50 Resp: 1588

Ion Ratio Lower Upper

50 100

52 34.0 22.2 41.2



#6

Bromomethane

Concen: 0.100 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012376.D

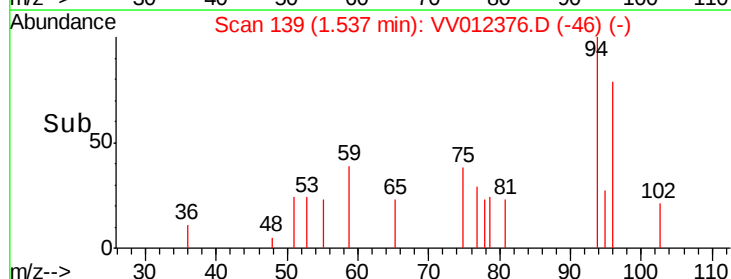
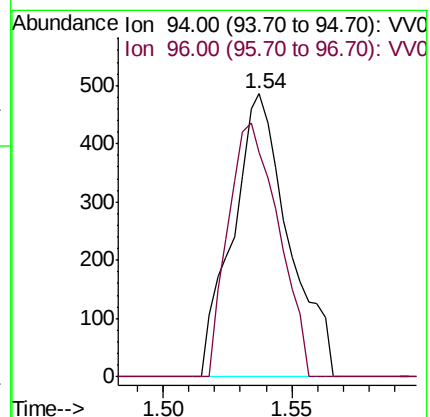
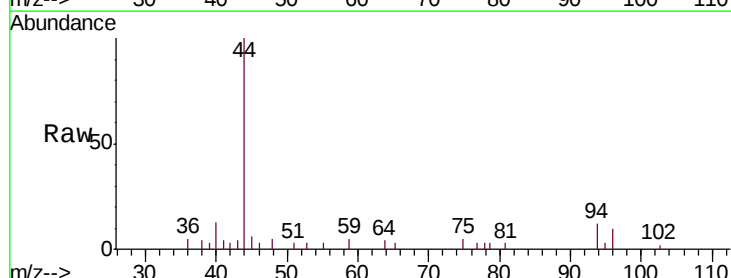
Acq: 23 Aug 2019 20:56

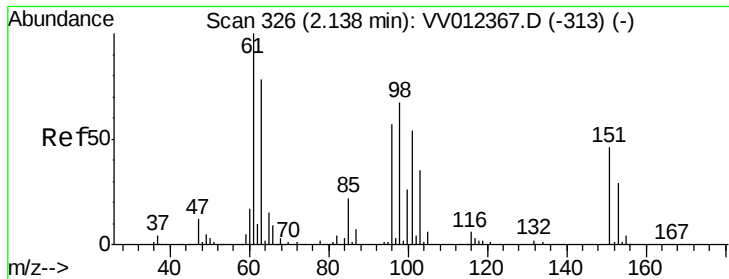
Tgt Ion: 94 Resp: 733

Ion Ratio Lower Upper

94 100

96 79.4 69.2 128.6





#10

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

Concen: 0.085 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012376.D

Acq: 23 Aug 2019 20:56

Instrument :

MSVOA_V

ClientSampleId :

GANJ8

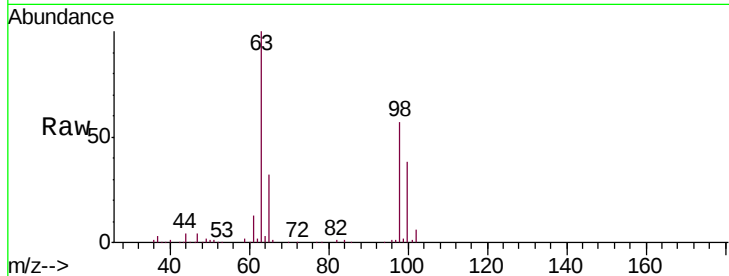
Tgt Ion: 101 Resp: 942

Ion Ratio Lower Upper

101 100

85 2.3 34.6 51.8#

151 0.0 71.2 106.8#



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

2.13

600

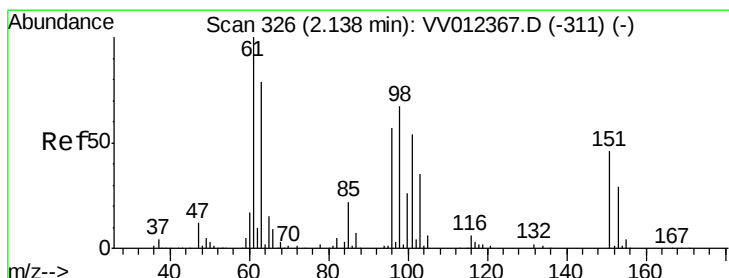
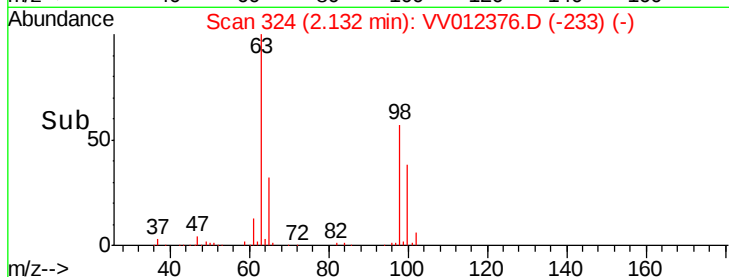
400

200

0

2.10 2.12 2.14 2.16

Time-->



#12

1,1-Dichloroethene

Concen: 0.088 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012376.D

Acq: 23 Aug 2019 20:56

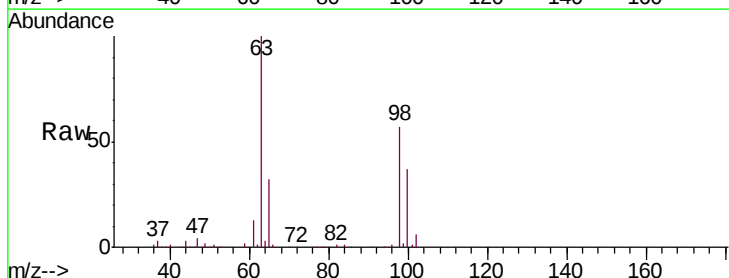
Tgt Ion: 96 Resp: 882

Ion Ratio Lower Upper

96 100

61 1281.5 122.3 227.1#

63 9909.4 90.6 168.2#



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

80000

60000

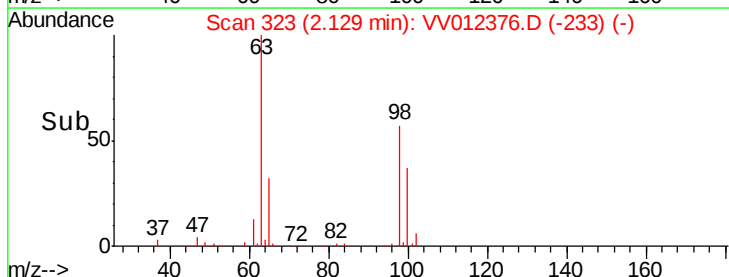
40000

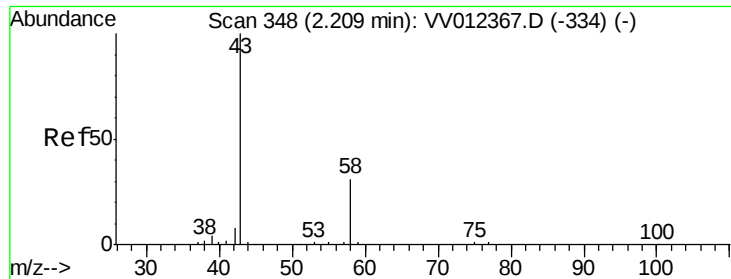
20000

0

2.10 2.12 2.14 2.16

Time-->





#13

Acetone

Concen: 47.913 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV012376.D

Acq: 23 Aug 2019 20:56

Instrument :

MSVOA_V

ClientSampleId :

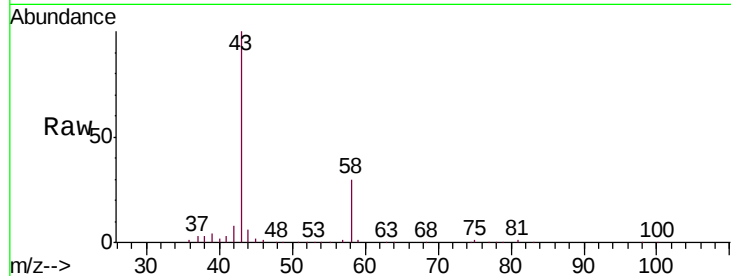
GANJ8

Tgt Ion: 43 Resp: 70052

Ion Ratio Lower Upper

43 100

58 29.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

50000

40000

30000

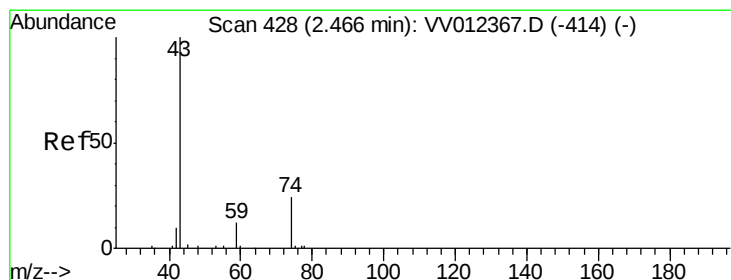
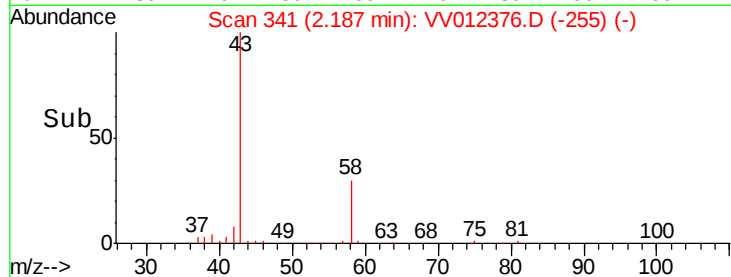
20000

10000

0

Time-->

2.10 2.15 2.20 2.25



#15

Methyl Acetate

Concen: 0.738 ug/L

RT: 2.67 min Scan# 491

Delta R.T. 0.20 min

Lab File: VV012376.D

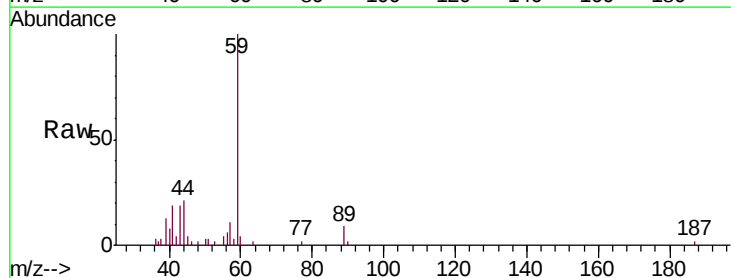
Acq: 23 Aug 2019 20:56

Tgt Ion: 43 Resp: 2716

Ion Ratio Lower Upper

43 100

74 3.0 21.8 32.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.67

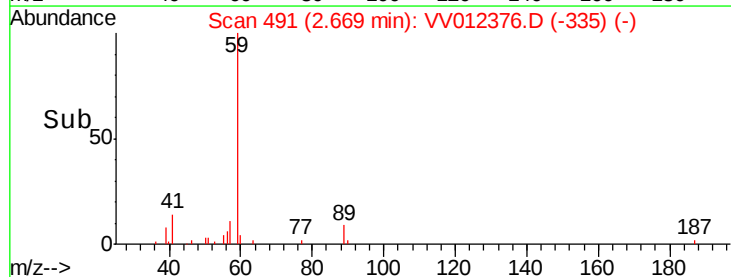
1000

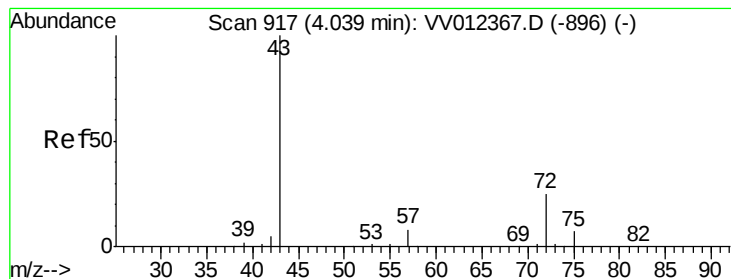
500

0

Time-->

2.60 2.65 2.70 2.75





#21

2-Butanone

Concen: 2.722 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.01 min

Lab File: VV012376.D

Acq: 23 Aug 2019 20:56

Instrument :

MSVOA_V

ClientSampleId :

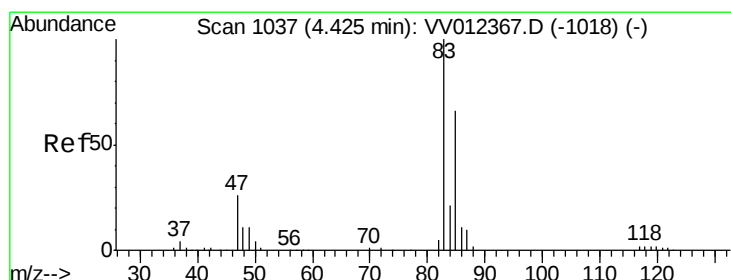
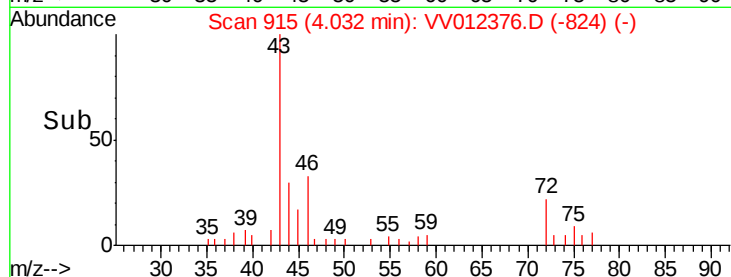
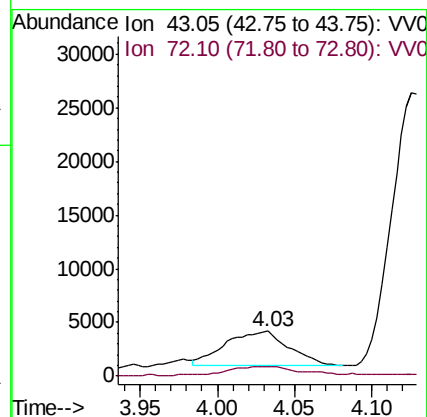
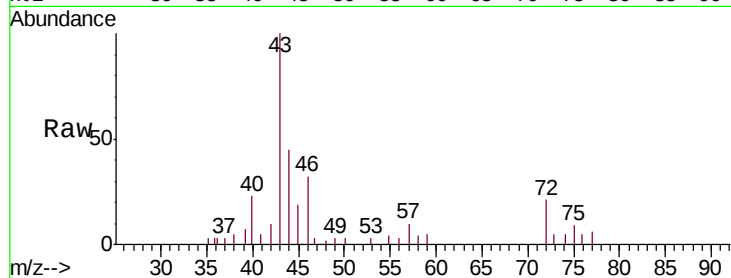
GANJ8

Tgt Ion: 43 Resp: 9348

Ion Ratio Lower Upper

43 100

72 20.9 12.2 36.6



#25

Chloroform

Concen: 0.483 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012376.D

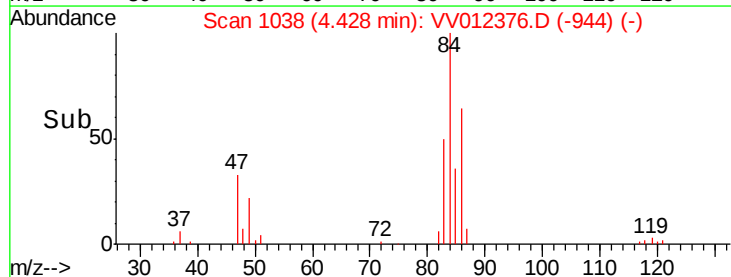
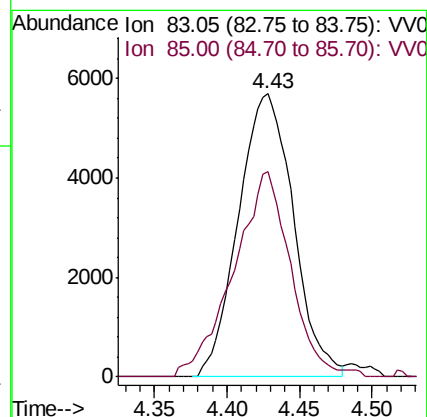
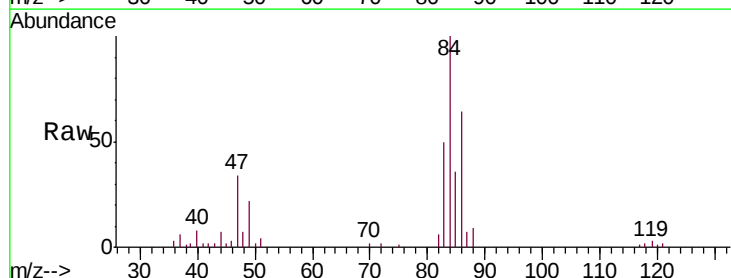
Acq: 23 Aug 2019 20:56

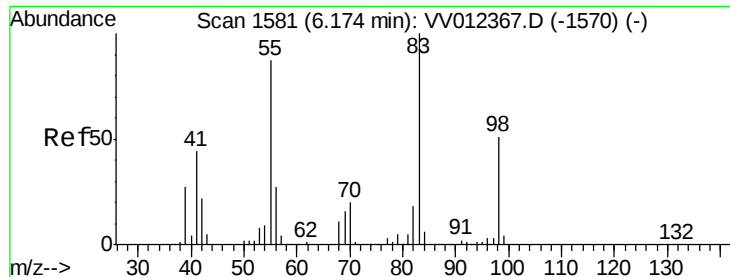
Tgt Ion: 83 Resp: 15012

Ion Ratio Lower Upper

83 100

85 72.7 44.6 82.8

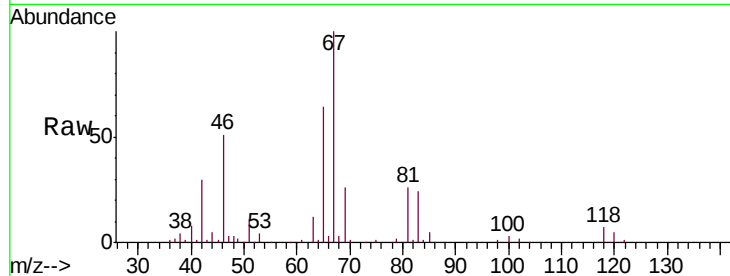




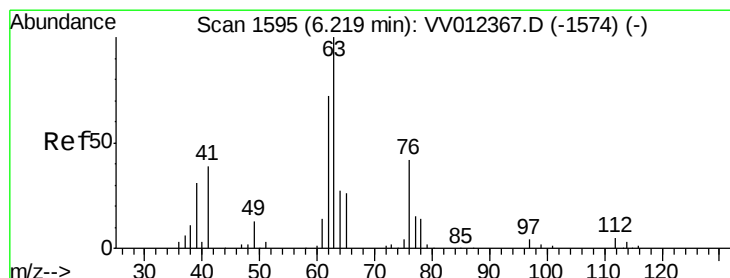
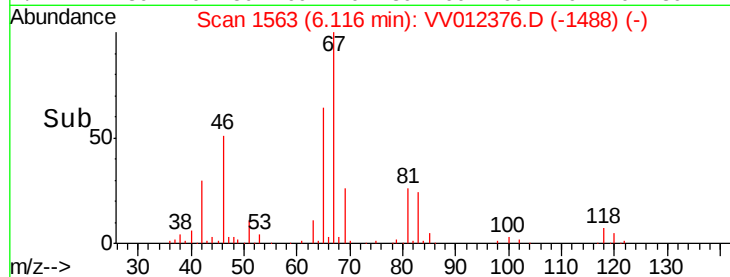
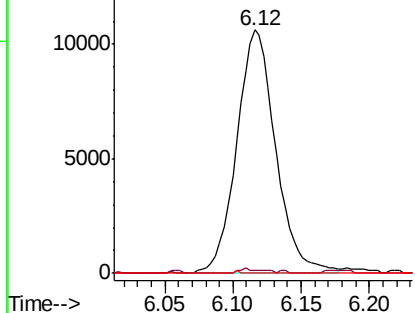
#35
Methylcyclohexane
Concen: 0.783 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012376.D
Acq: 23 Aug 2019 20:56

Instrument :
MSVOA_V
ClientSampleId :
GANJ8

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.7	64.6	97.0#
98	0.0	39.0	58.4#

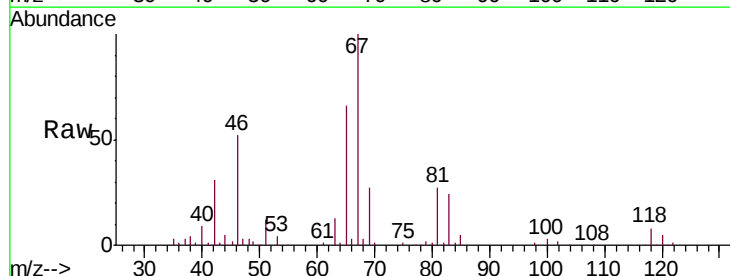


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

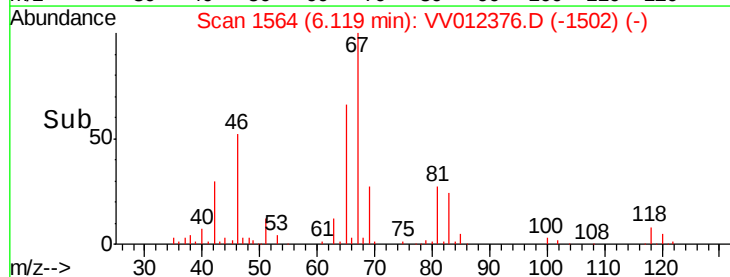
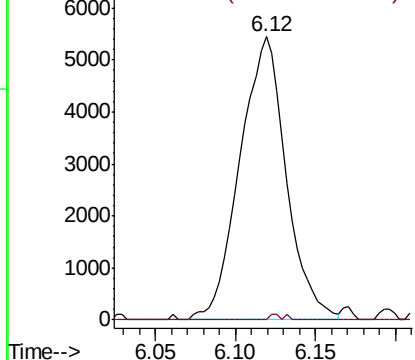


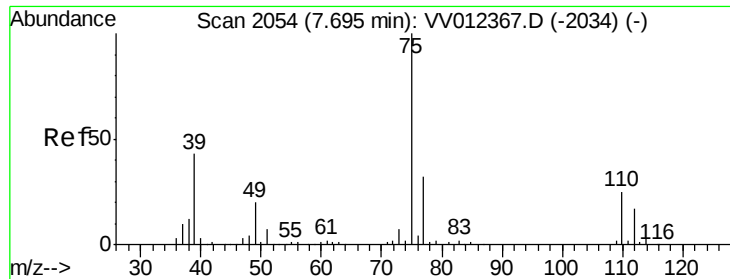
#37
1,2-Dichloropropane
Concen: 0.670 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV012376.D
Acq: 23 Aug 2019 20:56

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.6	4.2	6.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012376.D

Acq: 23 Aug 2019 20:56

Instrument :

MSVOA_V

ClientSampleId :

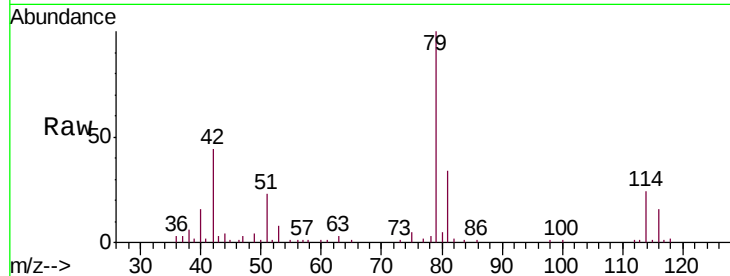
GANJ8

Tgt Ion: 75 Resp: 1341

Ion Ratio Lower Upper

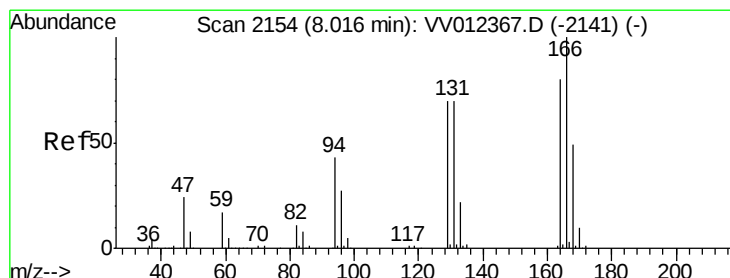
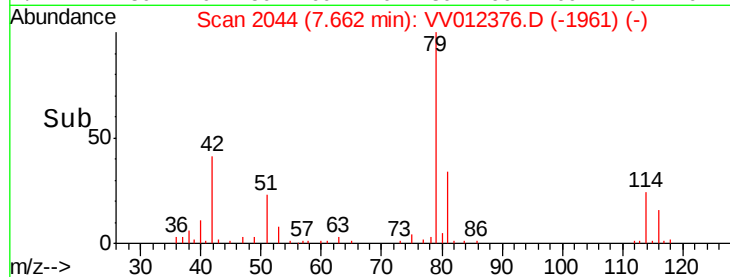
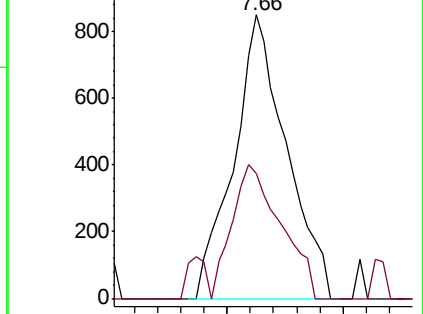
75 100

77 44.2 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VV012376.D (-2034) (-)

Ion 77.05 (76.75 to 77.25): VV012376.D (-2034) (-)



#47

Tetrachloroethene

Concen: 7.286 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012376.D

Acq: 23 Aug 2019 20:56

Tgt Ion: 164 Resp: 100821

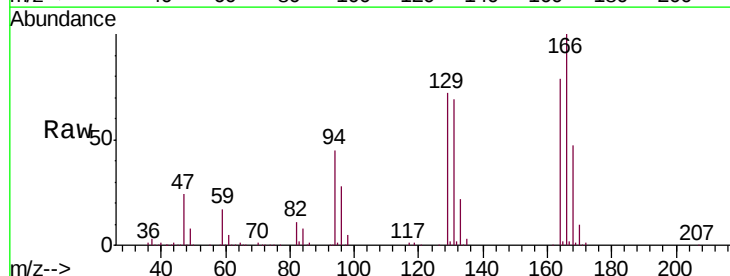
Ion Ratio Lower Upper

164 100

129 90.7 60.6 112.6

131 86.9 58.8 109.2

166 126.7 87.6 162.8

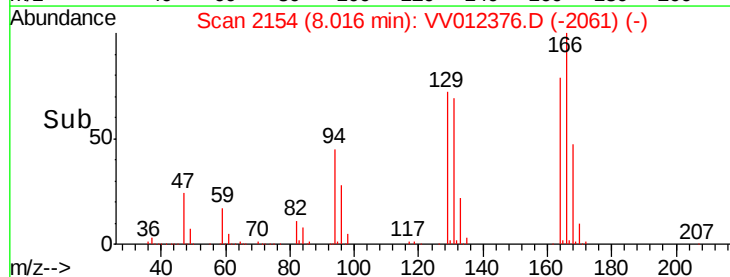
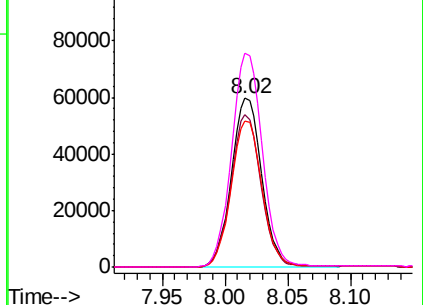


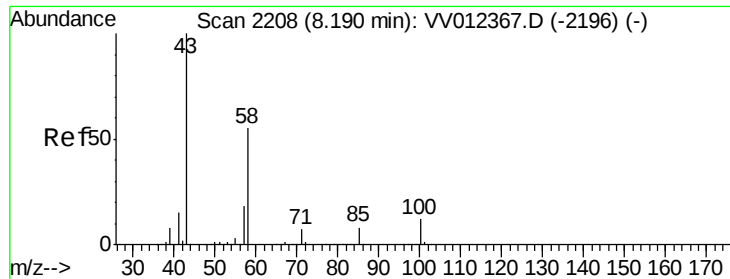
Abundance Ion 163.90 (163.60 to 164.60): VV012376.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV012376.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV012376.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV012376.D (-2141) (-)

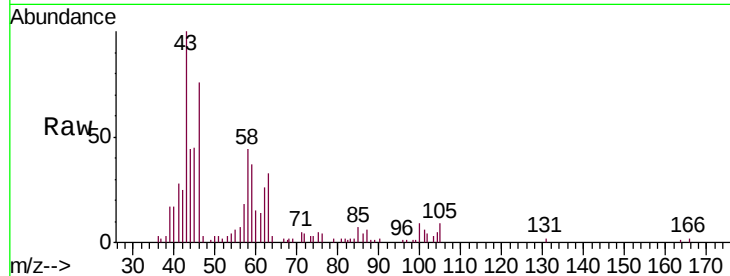




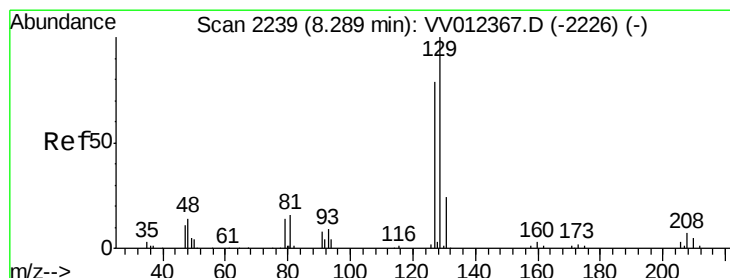
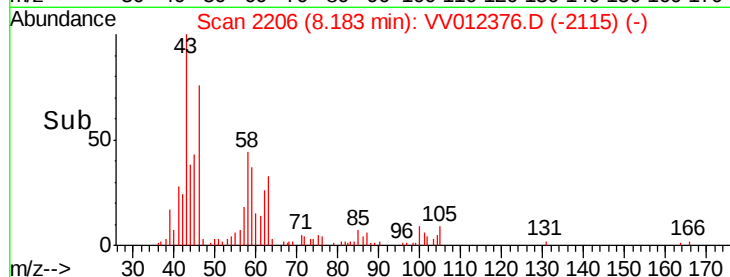
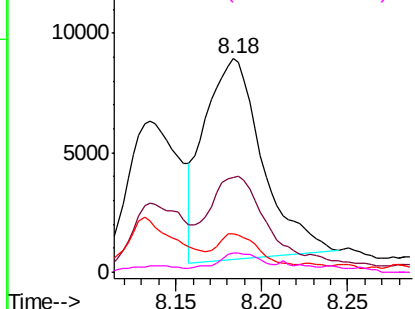
#48
2-Hexanone
Concen: 3.185 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VV012376.D
Acq: 23 Aug 2019 20:56

Instrument :
MSVOA_V
ClientSampleId :
GANJ8

Tgt Ion: 43 Resp: 19820
Ion Ratio Lower Upper
43 100
58 47.7 46.3 69.5
57 11.1 14.9 22.3#
100 5.3 9.7 14.5#

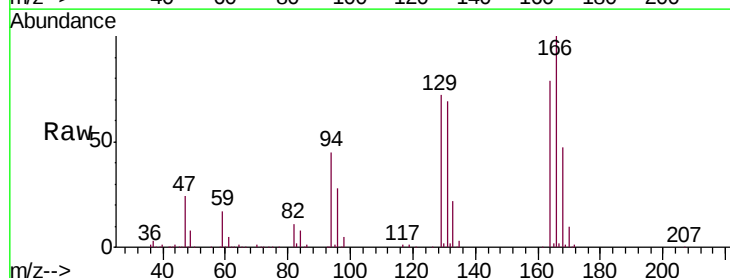


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0



#49
Dibromochloromethane
Concen: 6.765 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012376.D
Acq: 23 Aug 2019 20:56

Tgt Ion: 129 Resp: 84564
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

