

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
 Data File : VV017657.D
 Acq On : 24 Jul 2020 20:12
 Operator : SY/MD
 Sample : L3446-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 00:12:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 25 00:05:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	155971	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	149855	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73710	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34651	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	29510	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.12	63	65889	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	3.95	46	76982	43.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.42%
24) Chloroform-d	4.38	84	89423	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	47076	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.07	84	158789	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.10	67	45138	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.34	98	147806	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
45) trans-1,3-Dichloropropene-	7.65	79	18807	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
48) 2-Hexanone-d5	8.11	63	52208	40.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.96%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	29213	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	58554	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

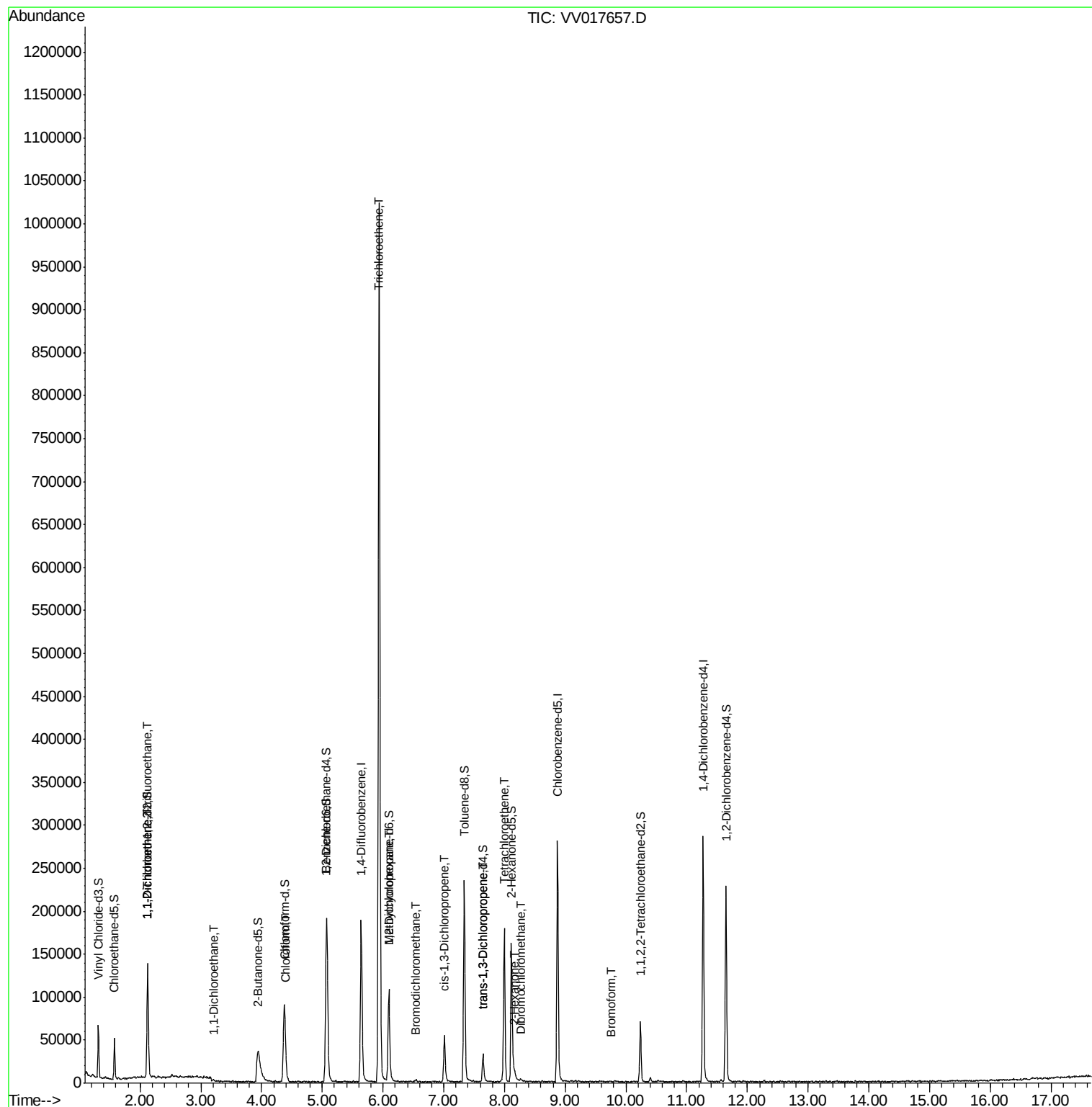
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1046	0.112	ug/L #	36
12) 1,1-Dichloroethene	2.13	96	11326	1.348	ug/L #	7
19) 1,1-Dichloroethane	3.21	63	1049	0.055	ug/L #	61
25) Chloroform	4.40	83	6066	0.281	ug/L	97
34) Trichloroethene	5.94	95	335123	28.284	ug/L	99
35) Methylcyclohexane	6.10	83	12424	0.693	ug/L #	18
38) Bromodichloromethane	6.55	83	1160	0.079	ug/L #	69
39) cis-1,3-Dichloropropene	7.00	75	1665	0.111	ug/L #	65
46) trans-1,3-Dichloropropene	7.64	75	1085	0.080	ug/L	96
49) Tetrachloroethene	8.00	164	39577	3.789	ug/L	95
50) 2-Hexanone	8.17	43	4241	1.097	ug/L #	73
51) Dibromochloromethane	8.28	129	1120	0.116	ug/L	86
62) Bromoform	9.76	173	464	0.098	ug/L #	80

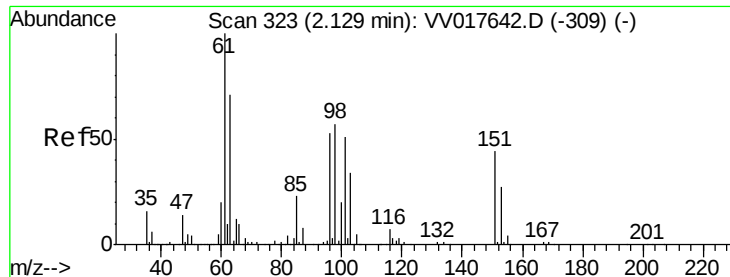
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 25 00:05:26 2020
Response via : Initial Calibration





#10

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

Concen: 0.112 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017657.D

Acq: 24 Jul 2020 20:12

Instrument :

MSVOA_V

ClientSampled :

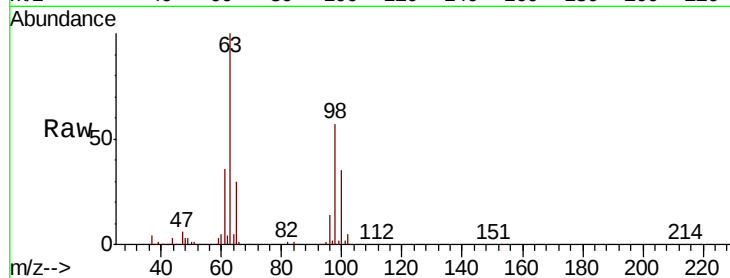
Tot Ion:101 Resp: 1046

Ion Ratio Lower Upper

101 100

85 10.5 34.6 51.8#

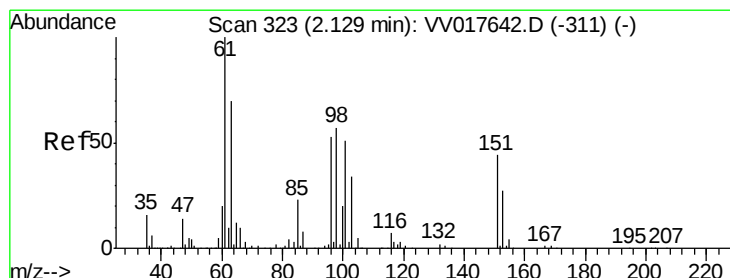
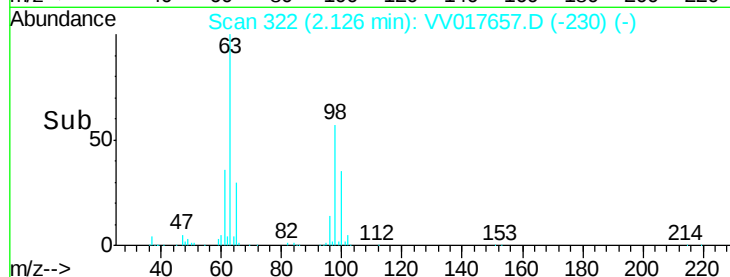
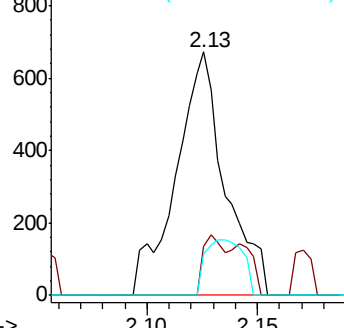
151 17.4 63.5 95.3#



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



#12

1,1-Dichloroethene

Concen: 1.348 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017657.D

Acq: 24 Jul 2020 20:12

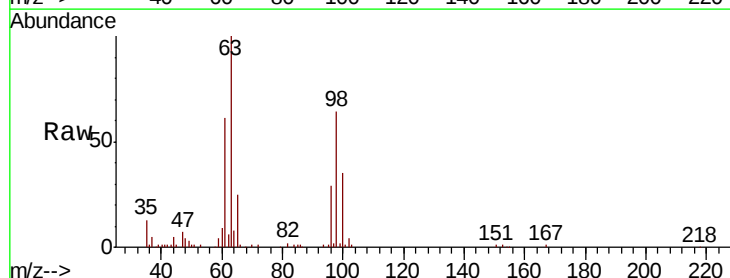
Tgt Ion: 96 Resp: 11326

Ion Ratio Lower Upper

96 100

61 210.8 123.1 228.7

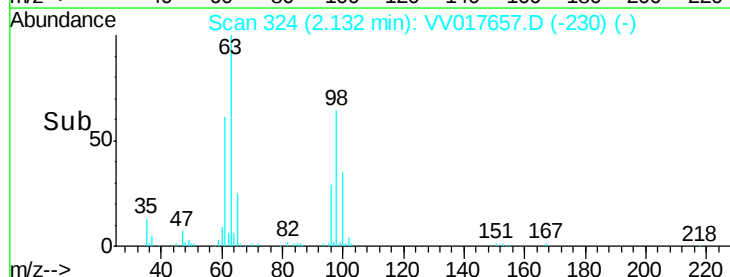
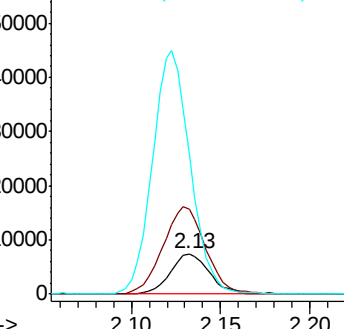
63 346.7 91.2 169.4#

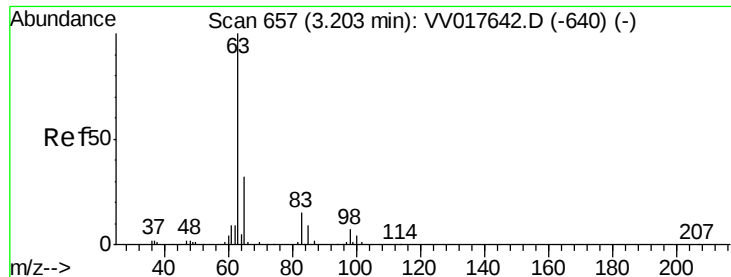


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

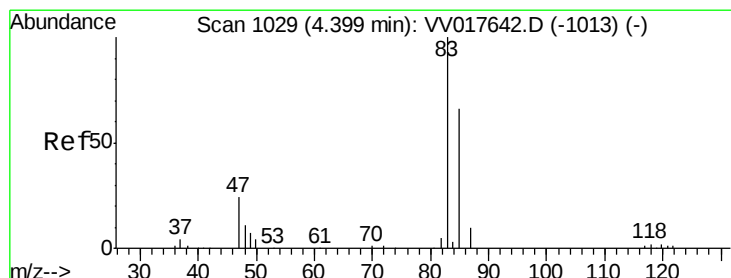
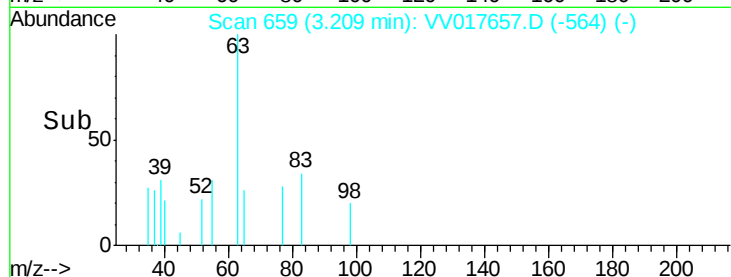
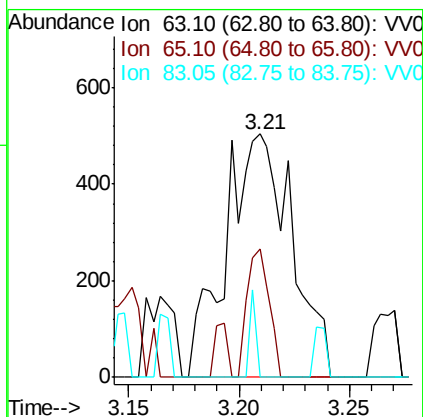
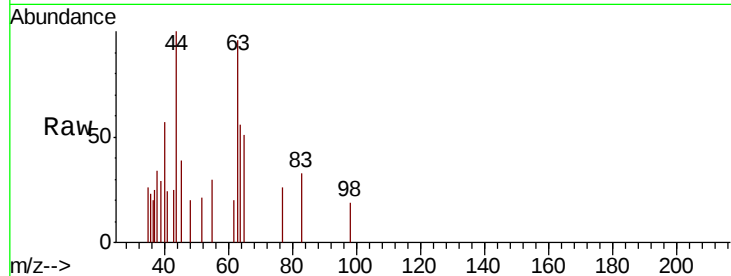




#19
 1,1-Dichloroethane
 Concen: 0.055 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VV017657.D
 Acq: 24 Jul 2020 20:12

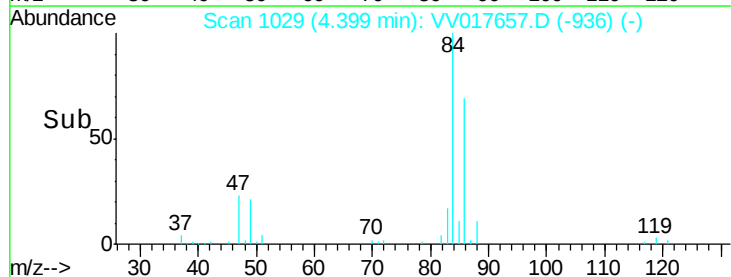
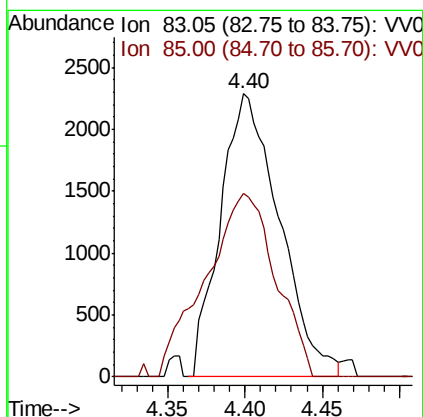
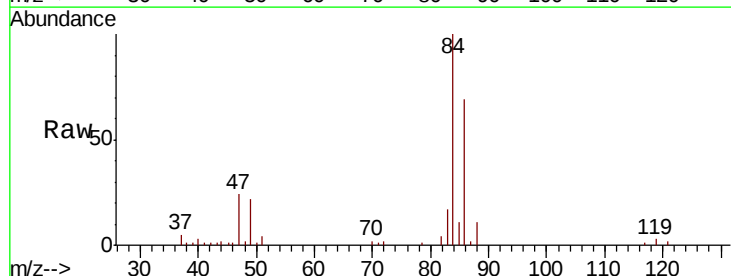
Instrument :
 MSVOA_V
 ClientSampleId :

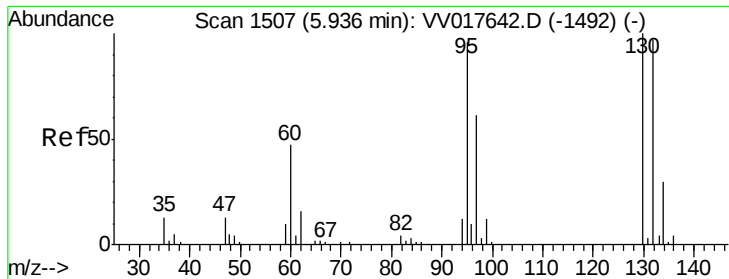
Tot Ion: 63 Resp: 1049
 Ion Ratio Lower Upper
 63 100
 65 52.8 21.4 39.8#
 83 0.0 10.4 19.4#



#25
 Chloroform
 Concen: 0.281 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV017657.D
 Acq: 24 Jul 2020 20:12

Tgt Ion: 83 Resp: 6066
 Ion Ratio Lower Upper
 83 100
 85 64.8 47.3 87.9

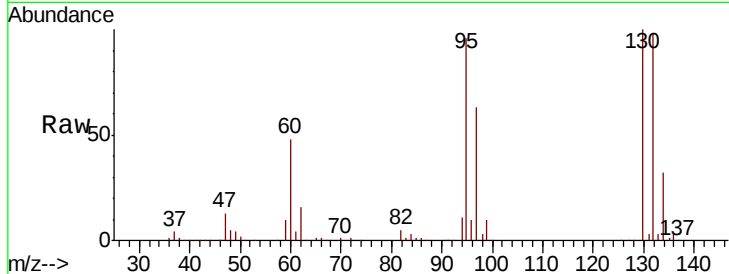




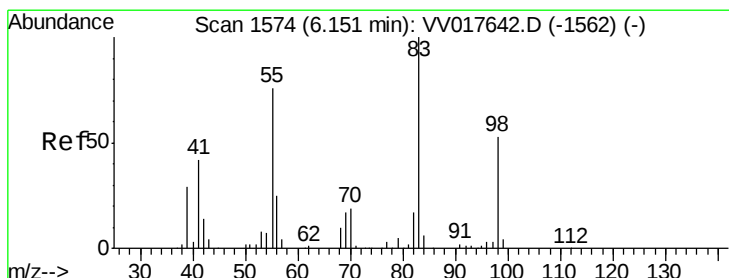
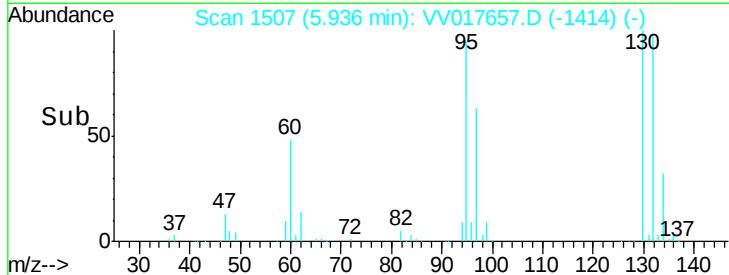
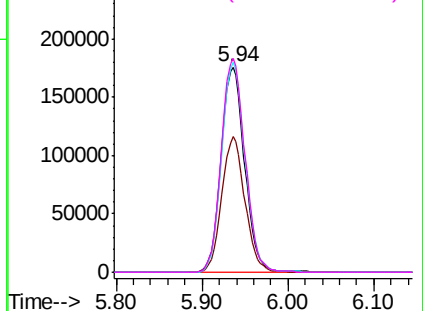
#34
 Trichloroethene
 Concen: 28.284 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017657.D
 Acq: 24 Jul 2020 20:12

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 335123
 Ion Ratio Lower Upper
 95 100
 97 65.9 46.1 85.5
 132 102.4 71.7 133.1
 130 104.1 74.3 137.9

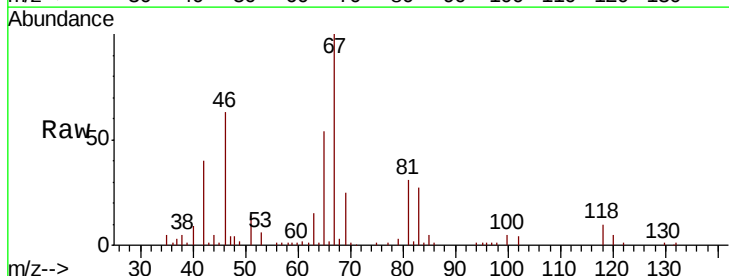


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

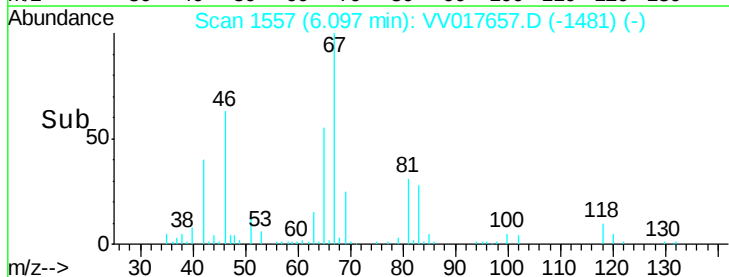
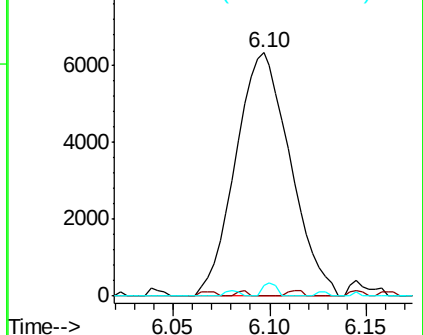


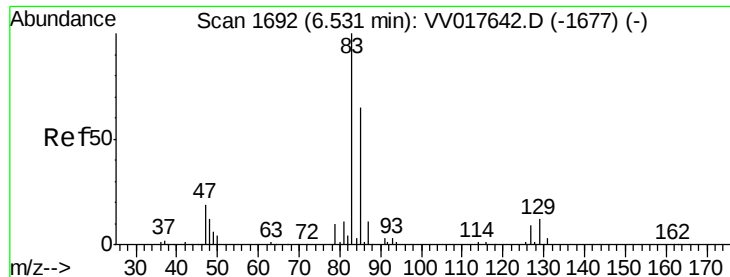
#35
 Methylcyclohexane
 Concen: 0.693 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV017657.D
 Acq: 24 Jul 2020 20:12

Tgt Ion: 83 Resp: 12424
 Ion Ratio Lower Upper
 83 100
 55 0.4 61.8 92.8#
 98 0.0 39.0 58.6#



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





#38

Bromodichloromethane

Concen: 0.079 ug/L

RT: 6.55 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VV017657.D

Acq: 24 Jul 2020 20:12

Instrument :
MSVOA_V
ClientSampleId :

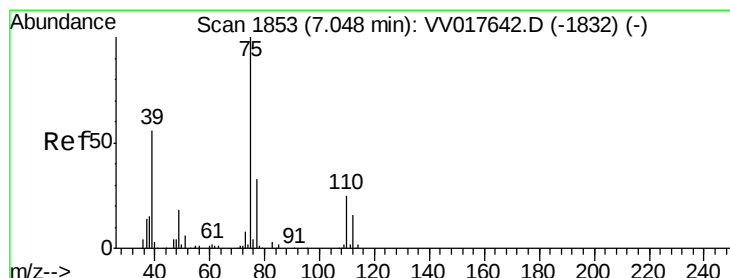
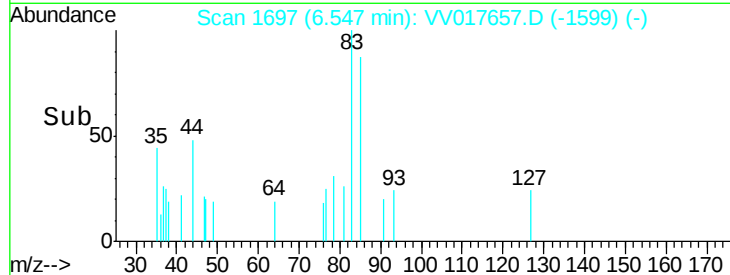
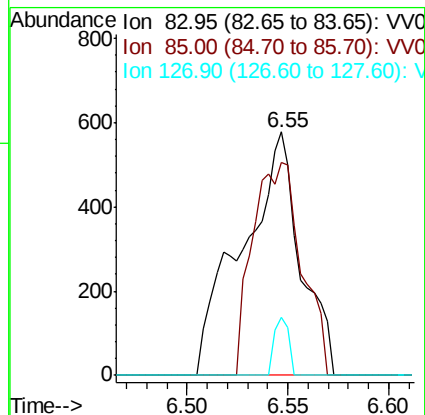
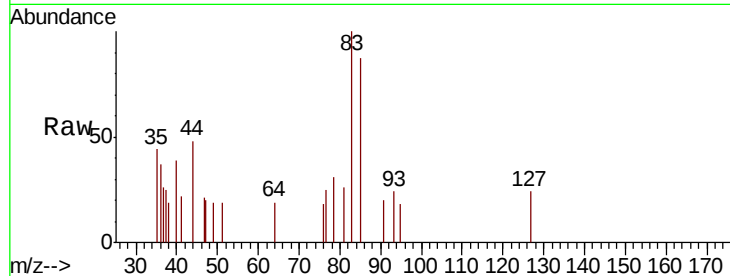
Tot Ion: 83 Resp: 1160

Ion Ratio Lower Upper

83 100

85 87.4 44.7 83.1#

127 23.9 7.4 11.0#



#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.00 min Scan# 1839

Delta R.T. -0.05 min

Lab File: VV017657.D

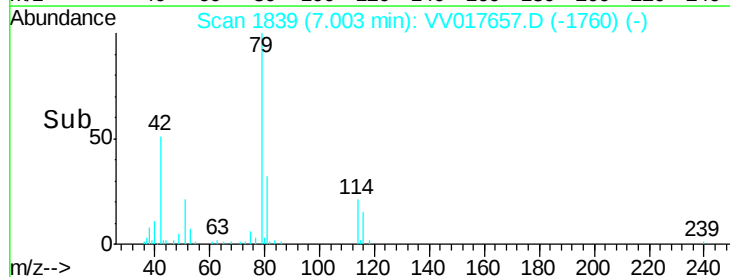
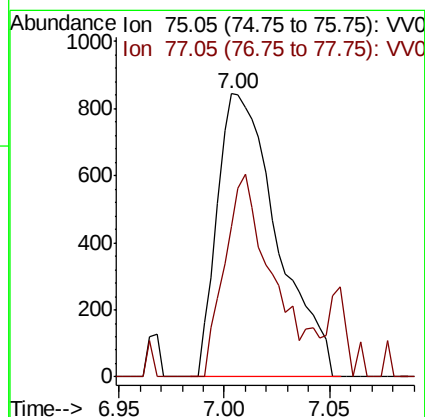
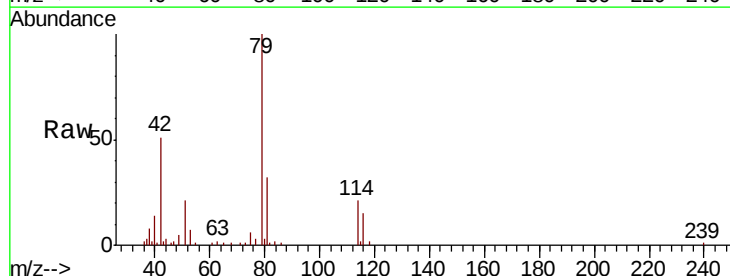
Acq: 24 Jul 2020 20:12

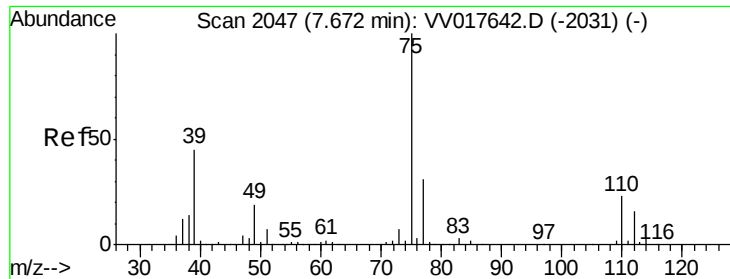
Tgt Ion: 75 Resp: 1665

Ion Ratio Lower Upper

75 100

77 53.1 23.2 43.2#





#46

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017657.D

Acq: 24 Jul 2020 20:12

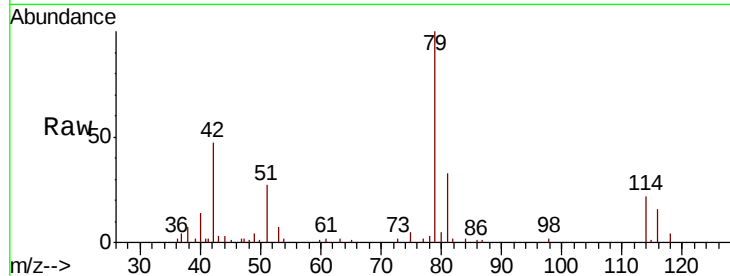
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 1085

Ion Ratio Lower Upper

75 100

77 30.0 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV017642.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV017642.D (-2031) (-)

7.64

7.65

7.66

7.67

7.68

7.69

7.70

7.71

7.72

7.73

7.74

7.75

7.76

7.77

7.78

7.79

7.80

7.81

7.82

7.83

7.84

7.85

7.86

7.87

7.88

7.89

7.90

7.91

7.92

7.93

7.94

7.95

7.96

7.97

7.98

7.99

8.00

8.01

8.02

8.03

8.04

8.05

8.06

8.07

8.08

8.09

8.10

8.11

8.12

8.13

8.14

8.15

8.16

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8.26

8.27

8.28

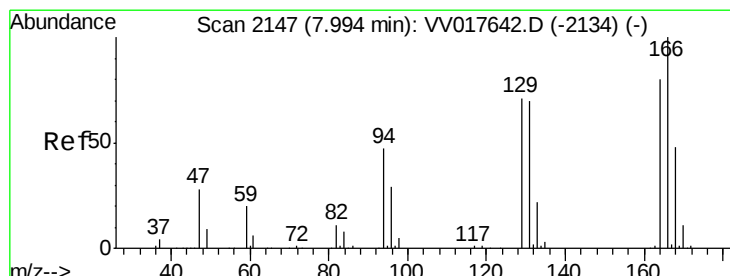
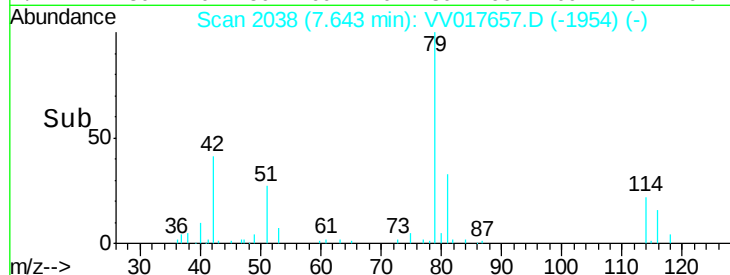
8.29

8.30

8.31

8.32

8.33



#49

Tetrachloroethene

Concen: 3.789 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017657.D

Acq: 24 Jul 2020 20:12

Tgt Ion: 164 Resp: 39577

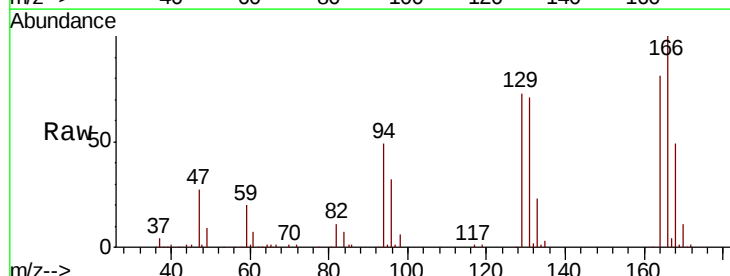
Ion Ratio Lower Upper

164 100

129 90.3 65.0 120.8

131 87.7 63.6 118.2

166 122.9 91.7 170.3



Abundance Ion 163.90 (163.60 to 164.60): VV017642.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV017642.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV017642.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV017642.D (-2134) (-)

8.00

8.01

8.02

8.03

8.04

8.05

8.06

8.07

8.08

8.09

8.10

8.11

8.12

8.13

8.14

8.15

8.16

8.17

8.18

8.19

8.20

8.21

8.22

8.23

8.24

8.25

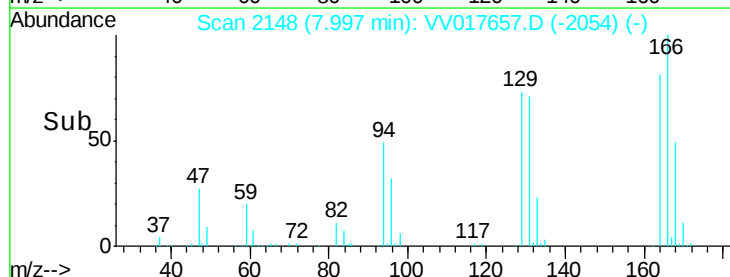
8.26

8.27

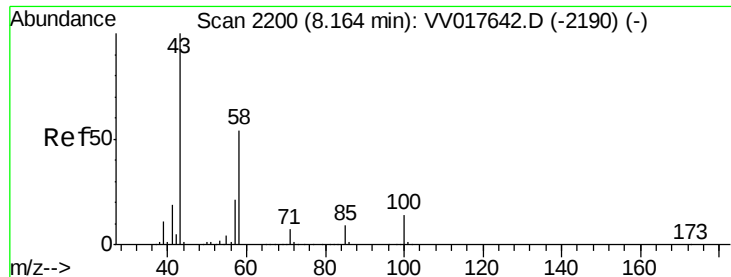
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8.29

8.30



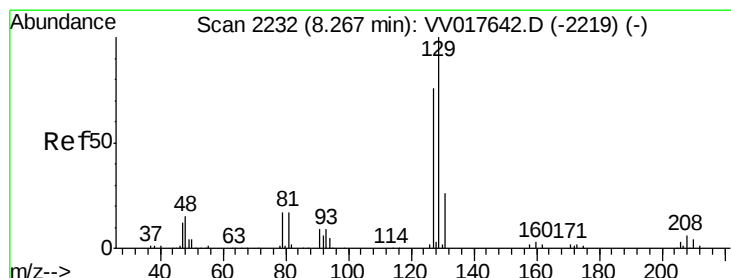
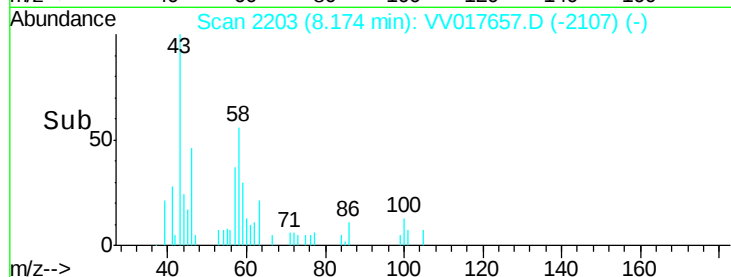
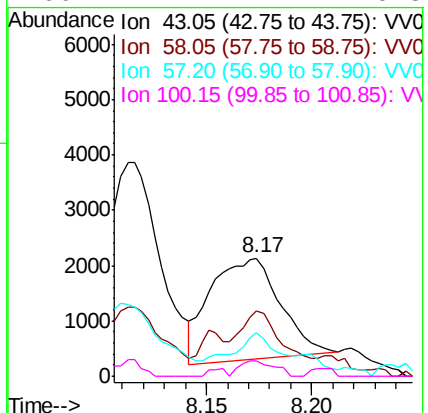
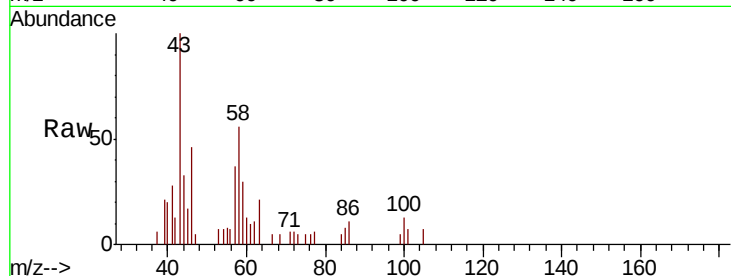
Time-->



#50
2-Hexanone
Concen: 1.097 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV017657.D
Acq: 24 Jul 2020 20:12

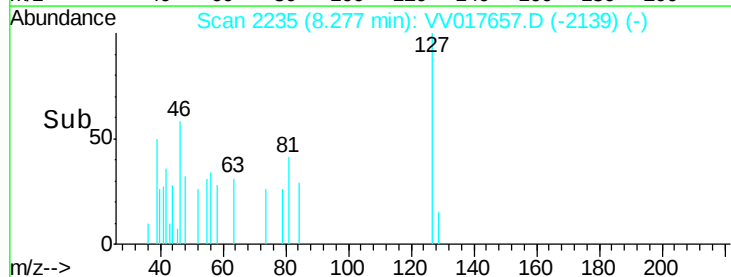
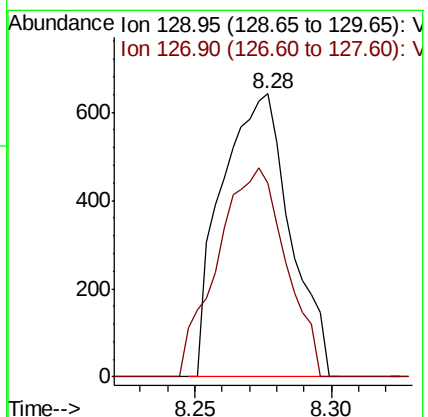
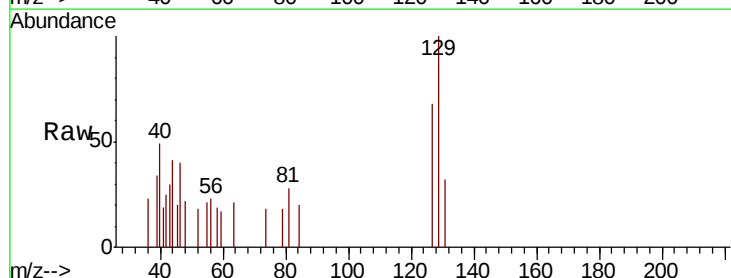
Instrument :
MSVOA_V
ClientSampled :

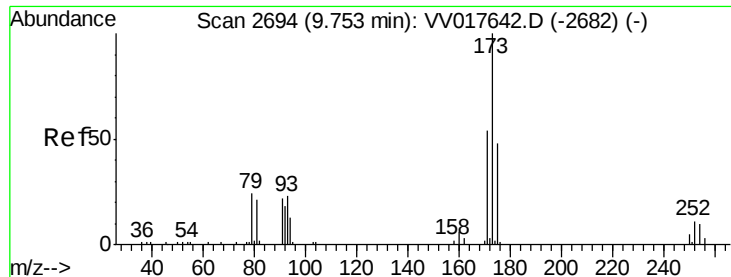
Tot Ion: 43 Resp: 4241
Ion Ratio Lower Upper
43 100
58 35.9 41.6 62.4#
57 39.0 15.4 23.0#
100 7.4 11.2 16.8#



#51
Dibromochloromethane
Concen: 0.116 ug/L
RT: 8.28 min Scan# 2235
Delta R.T. 0.01 min
Lab File: VV017657.D
Acq: 24 Jul 2020 20:12

Tgt Ion: 129 Resp: 1120
Ion Ratio Lower Upper
129 100
127 68.2 56.3 104.5

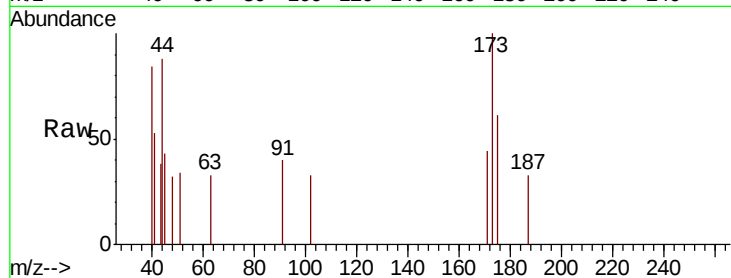




#62
 Bromoform
 Concen: 0.098 ug/L
 RT: 9.76 min Scan# 2696
 Delta R.T. 0.01 min
 Lab File: VV017657.D
 Acq: 24 Jul 2020 20:12

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:173 Resp: 464
 Ion Ratio Lower Upper
 173 100
 175 36.6 39.6 59.4#
 254 0.0 8.4 12.6#



Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V

