

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\
 Data File : VV017257.D
 Acq On : 30 Jun 2020 13:58
 Operator : SY/MD
 Sample : L3102-17
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 01 06:02:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 06:00:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	200587	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	193464	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	94102	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47453	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.58	69	41568	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	74009	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	3.92	46	123185	40.15	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.30%
24) Chloroform-d	4.38	84	111851	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.06	65	60556	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.07	84	202034	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
36) 1,2-Dichloropropane-d6	6.09	67	59116	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.60%
41) Toluene-d8	7.33	98	182128	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.40%
45) trans-1,3-Dichloropropene-	7.64	79	24066	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
48) 2-Hexanone-d5	8.11	63	87776	36.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.62%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41160	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	74493	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

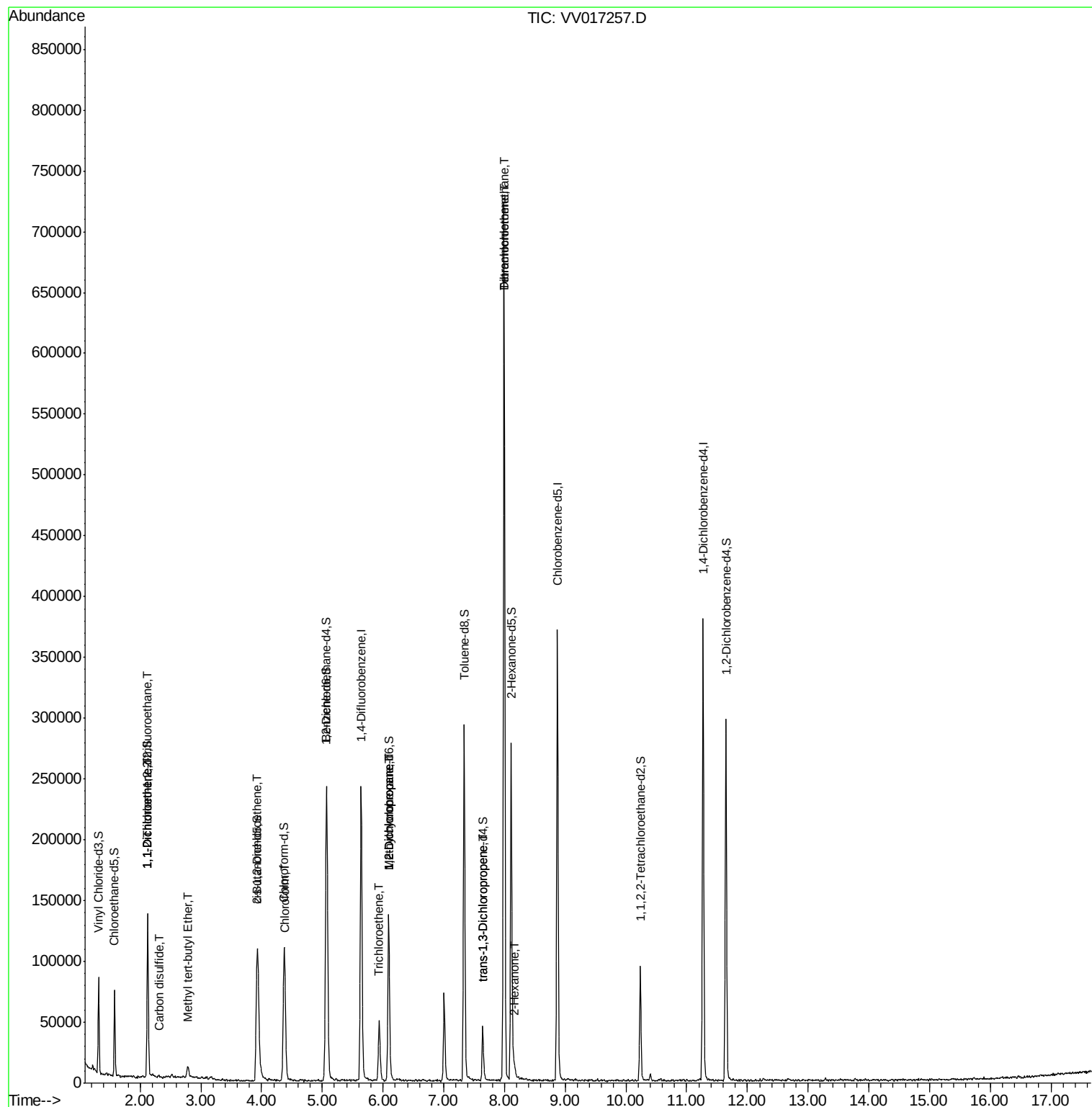
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	789	0.074	ug/L #	37
12) 1,1-Dichloroethene	2.13	96	853	0.089	ug/L #	1
14) Carbon disulfide	2.31	76	1656	0.057	ug/L #	60
17) Methyl tert-butyl Ether	2.78	73	8223	0.340	ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	30512	2.187	ug/L	96
25) Chloroform	4.40	83	4710	0.188	ug/L	91
34) Trichloroethene	5.94	95	15434	1.040	ug/L	93
35) Methylcyclohexane	6.09	83	15629	0.678	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	8231	0.656	ug/L #	84
46) trans-1,3-Dichloropropene	7.64	75	1283	0.080	ug/L	95
49) Tetrachloroethene	7.99	164	159377	13.347	ug/L	96
50) 2-Hexanone	8.16	43	5377	1.043	ug/L #	43
51) Dibromochloromethane	7.99	129	138923	12.884	ug/L #	11

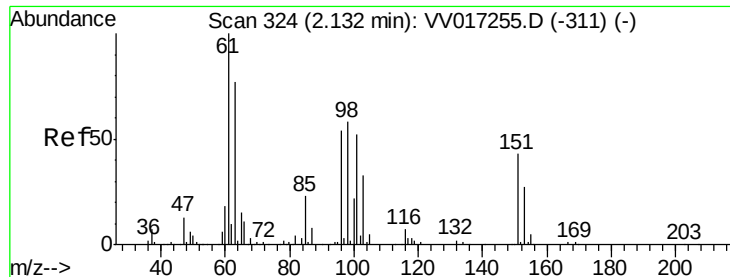
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 01 06:00:36 2020
Response via : Initial Calibration





#10

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

Concen: 0.074 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

Instrument :

MSVOA_V

ClientSampled :

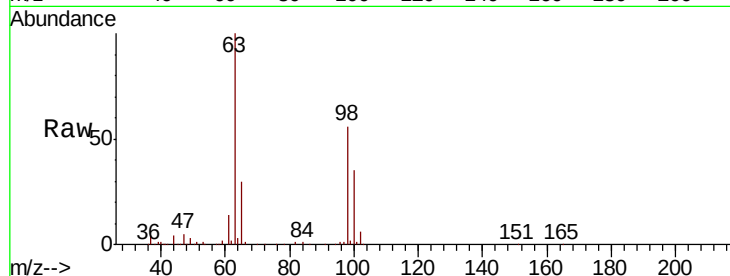
Tot Ion:101 Resp: 789

Ion Ratio Lower Upper

101 100

85 5.6 35.4 53.2#

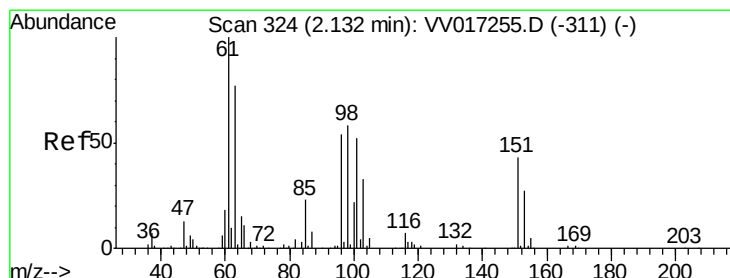
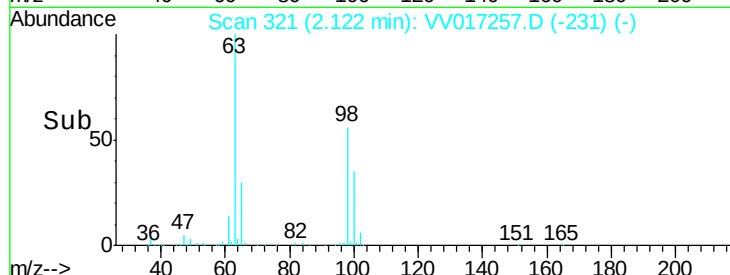
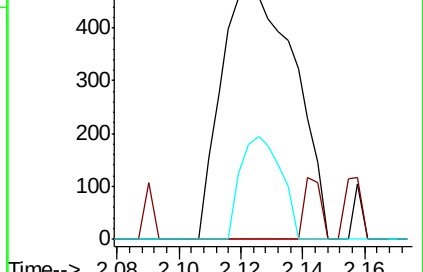
151 22.4 63.9 95.9#



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: 0.089 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

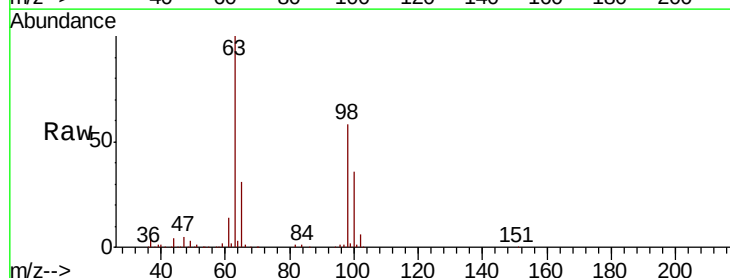
Tgt Ion: 96 Resp: 853

Ion Ratio Lower Upper

96 100

61 1110.1 125.0 232.2#

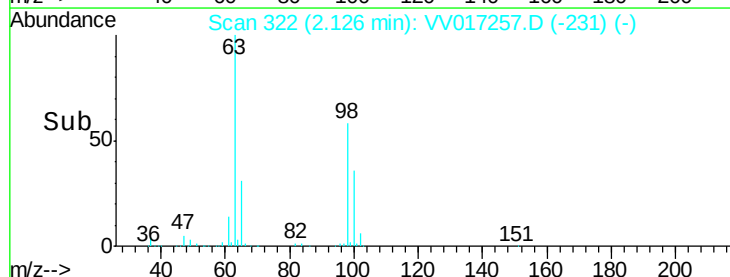
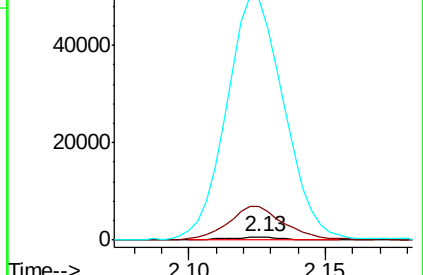
63 8045.6 109.8 203.8#

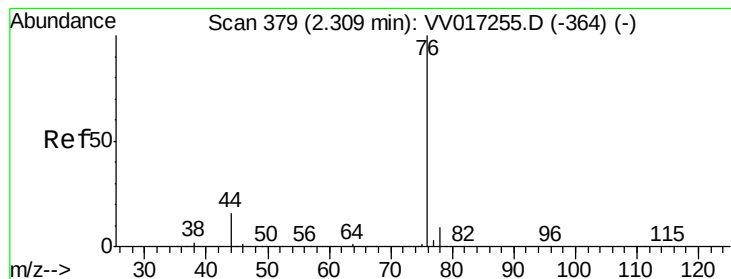


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.057 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

Instrument :

MSVOA_V

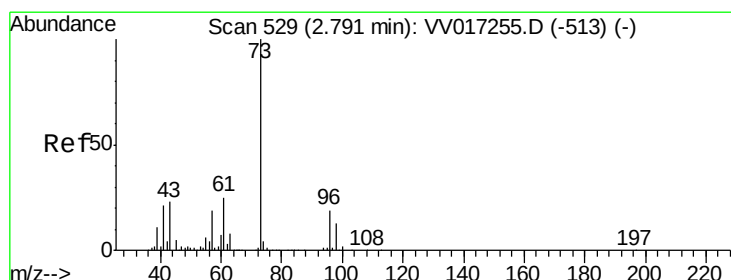
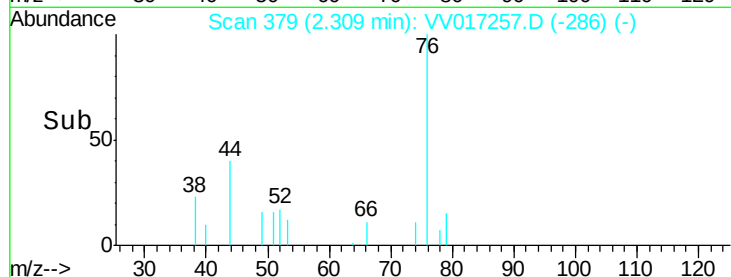
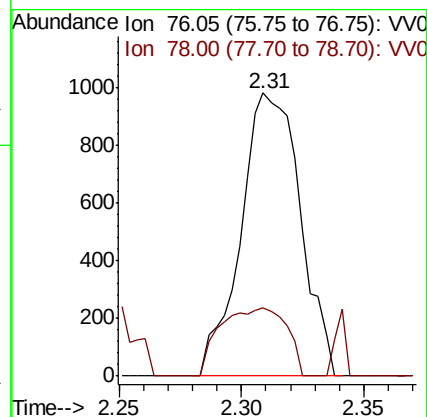
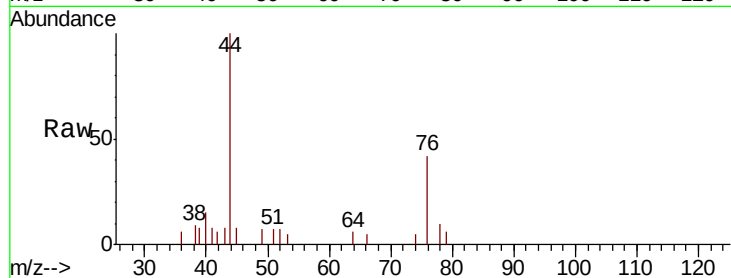
ClientSampled :

Tot Ion: 76 Resp: 1656

Ion Ratio Lower Upper

76 100

78 24.4 7.7 11.5#



#17

Methyl tert-butyl Ether

Concen: 0.340 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.01 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

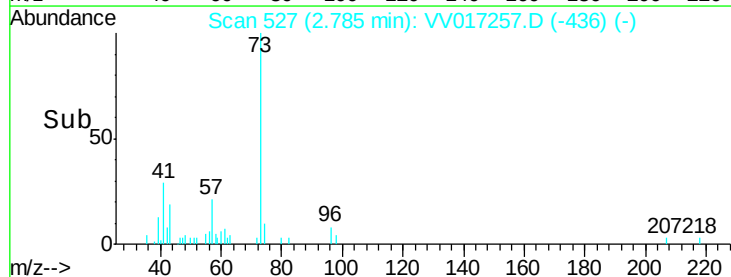
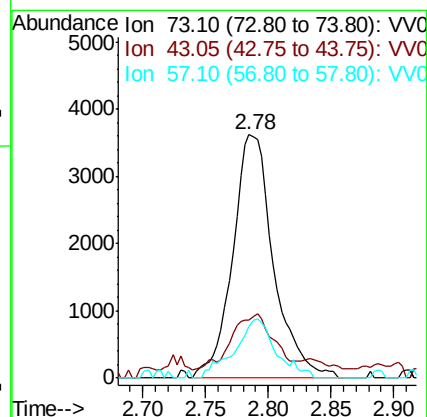
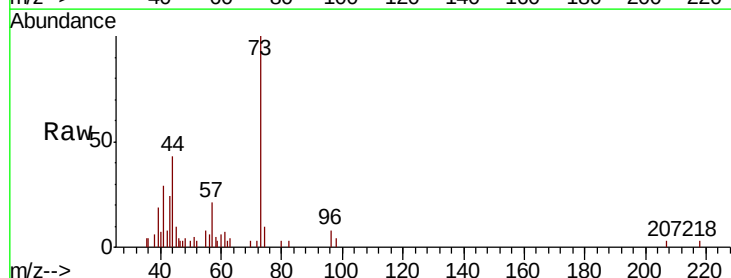
Tgt Ion: 73 Resp: 8223

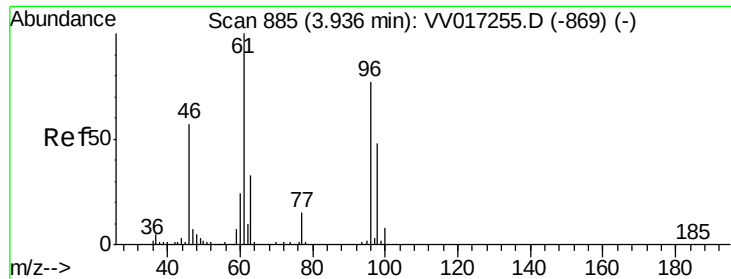
Ion Ratio Lower Upper

73 100

43 22.9 18.6 28.0

57 24.4 16.4 24.6



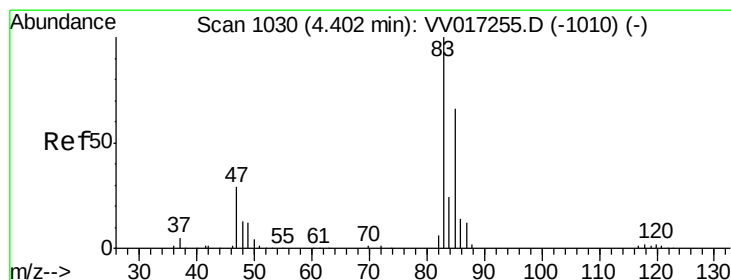
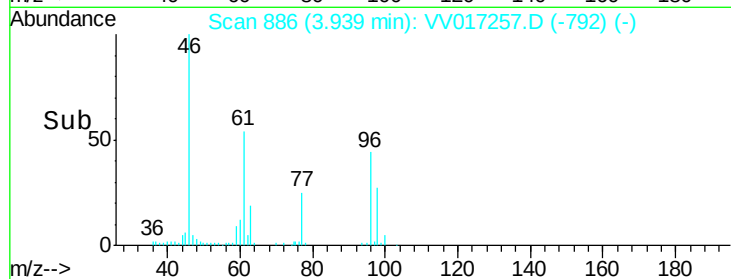
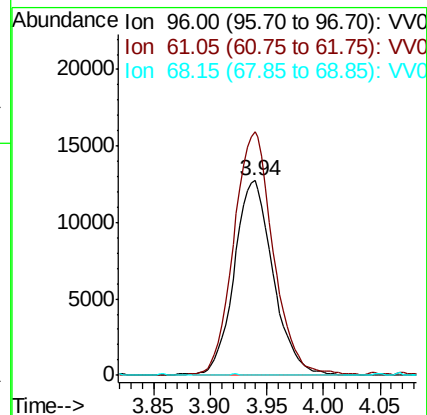
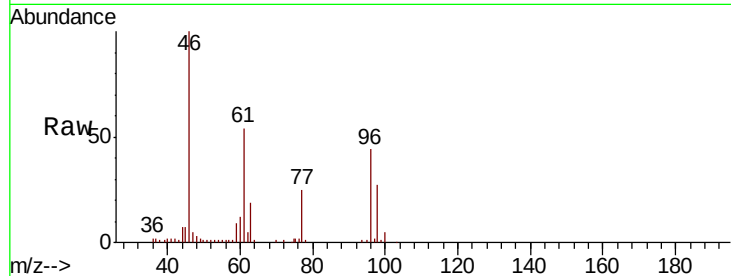


#22

cis-1,2-Dichloroethene
Concen: 2.187 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017257.D
Acq: 30 Jun 2020 13:58

Instrument :
MSVOA_V
ClientSampleId :

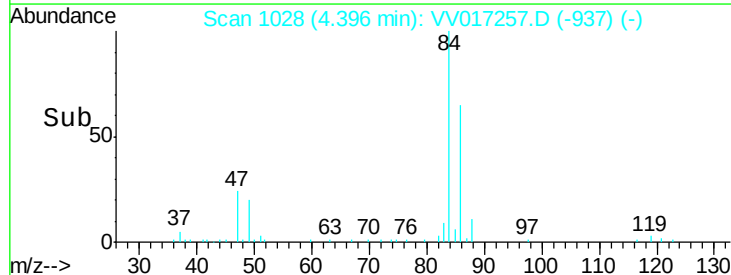
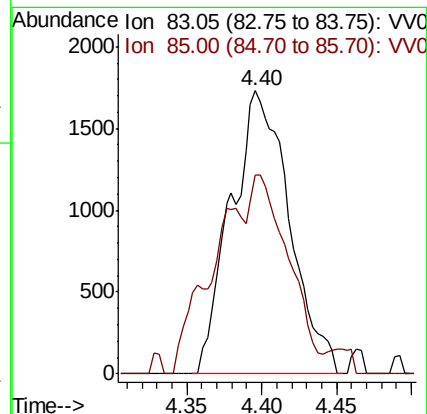
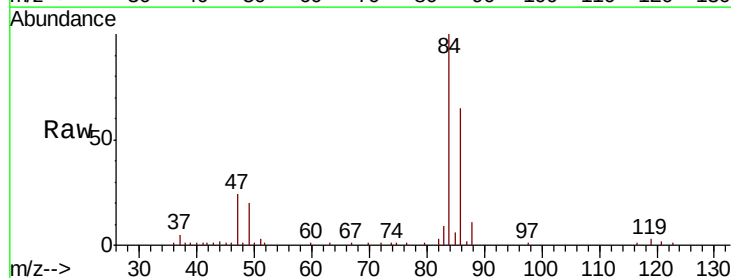
Tot Ion: 96 Resp: 30512
Ion Ratio Lower Upper
96 100
61 125.1 91.0 169.0
68 0.0 0.0 0.0

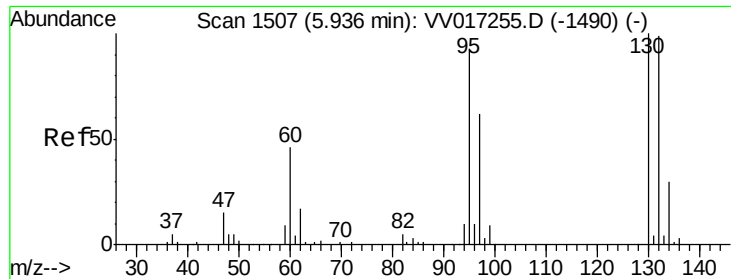


#25

Chloroform
Concen: 0.188 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VV017257.D
Acq: 30 Jun 2020 13:58

Tgt Ion: 83 Resp: 4710
Ion Ratio Lower Upper
83 100
85 70.3 44.2 82.2





#34

Trichloroethene

Concen: 1.040 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 15434

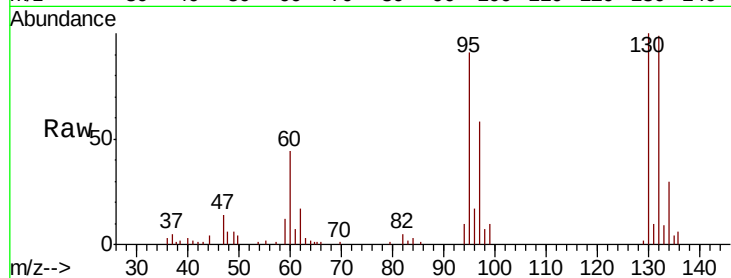
Ion Ratio Lower Upper

95 100

97 63.9 45.3 84.1

132 108.2 68.8 127.8

130 109.3 70.2 130.4

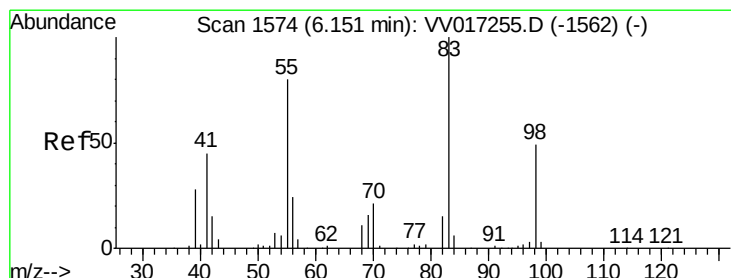
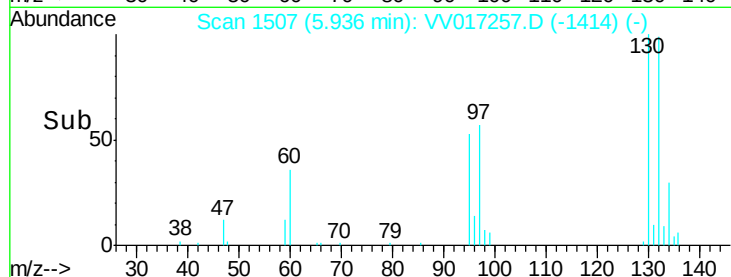
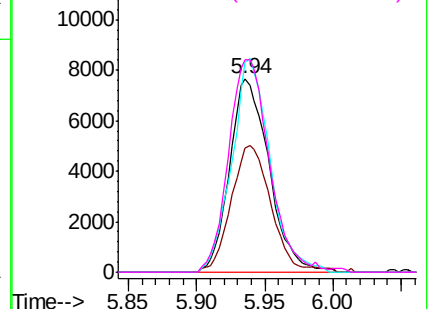


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.678 ug/L

RT: 6.09 min Scan# 1555

Delta R.T. -0.06 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

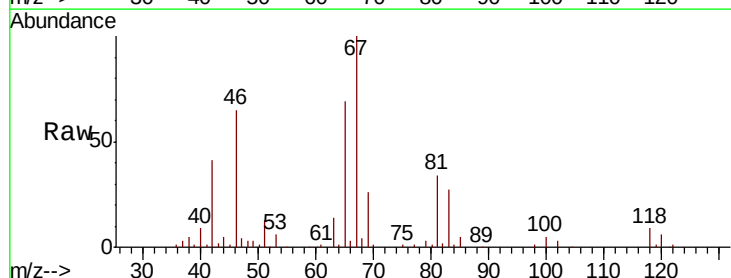
Tgt Ion: 83 Resp: 15629

Ion Ratio Lower Upper

83 100

55 0.5 63.6 95.4#

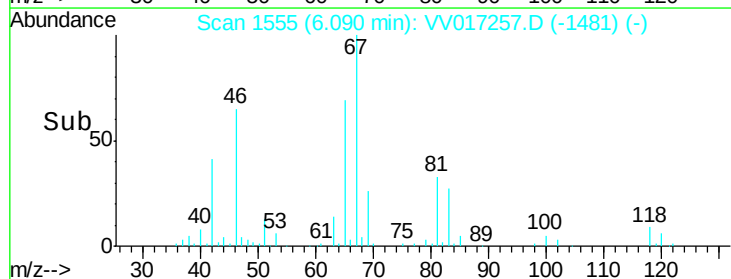
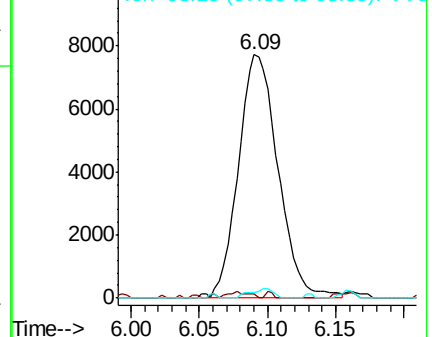
98 2.3 38.8 58.2#

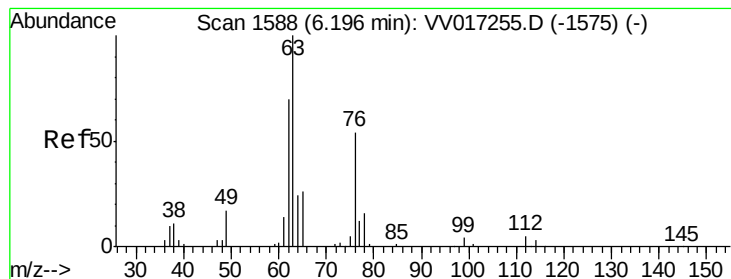


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.656 ug/L

RT: 6.09 min Scan# 1555

Delta R.T. -0.11 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

Instrument :

MSVOA_V

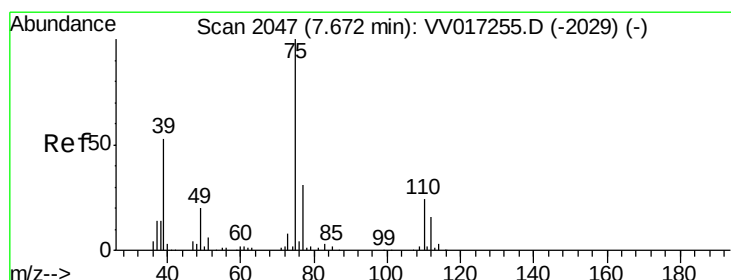
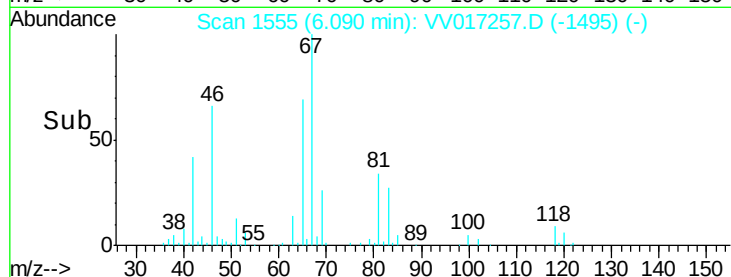
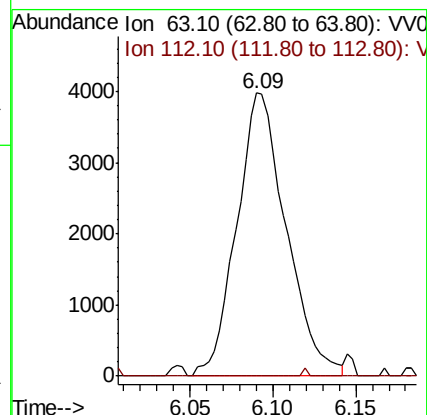
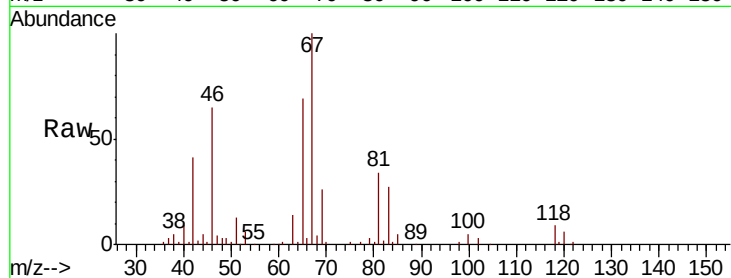
ClientSampleId :

Tot Ion: 63 Resp: 8231

Ion Ratio Lower Upper

63 100

112 0.3 4.4 6.6#



#46

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. -0.04 min

Lab File: VV017257.D

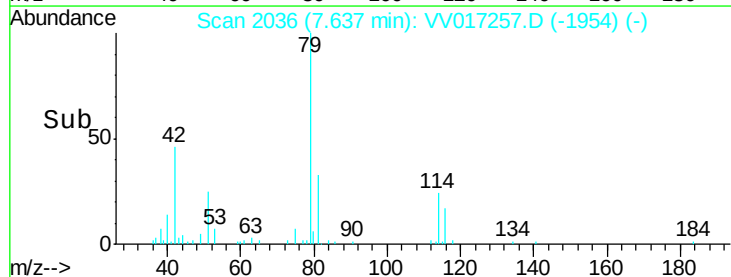
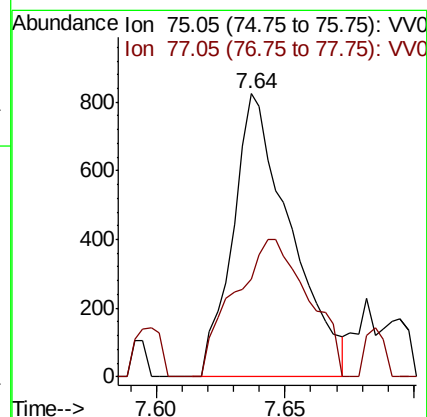
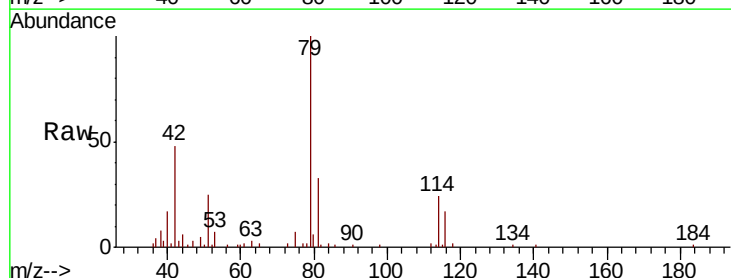
Acq: 30 Jun 2020 13:58

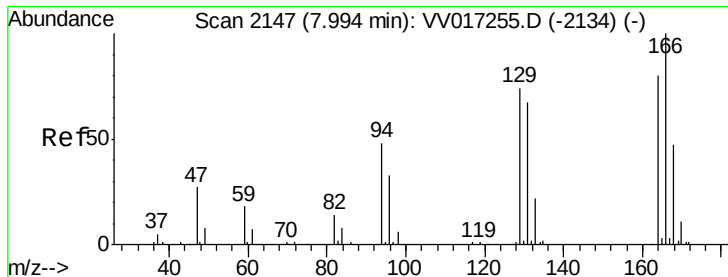
Tgt Ion: 75 Resp: 1283

Ion Ratio Lower Upper

75 100

77 34.6 22.3 41.3





#49

Tetrachloroethene

Concen: 13.347 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 159377

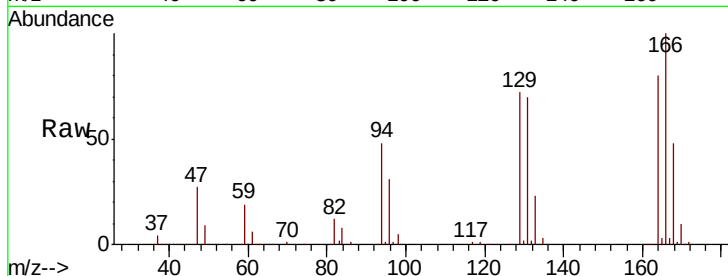
Ion Ratio Lower Upper

164 100

129 90.0 65.2 121.0

131 87.0 64.1 119.1

166 124.5 90.2 167.4

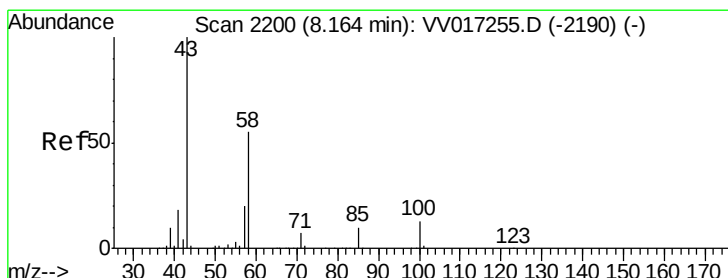
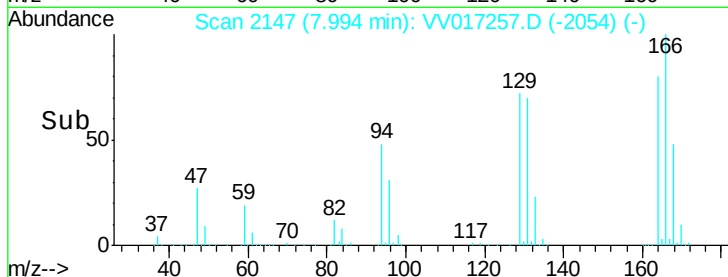
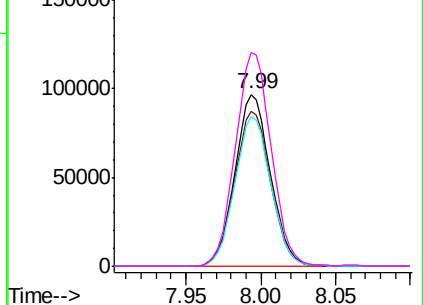


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 1.043 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

Tgt Ion: 43 Resp: 5377

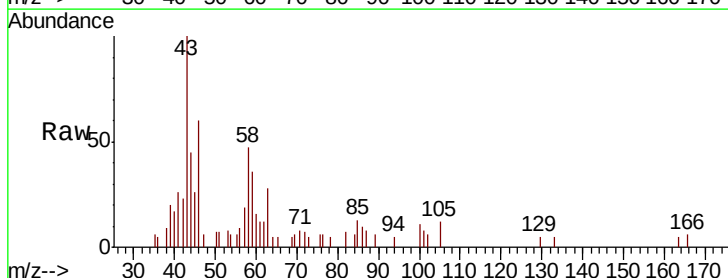
Ion Ratio Lower Upper

43 100

58 0.0 41.6 62.4#

57 3.1 15.4 23.0#

100 3.7 10.1 15.1#

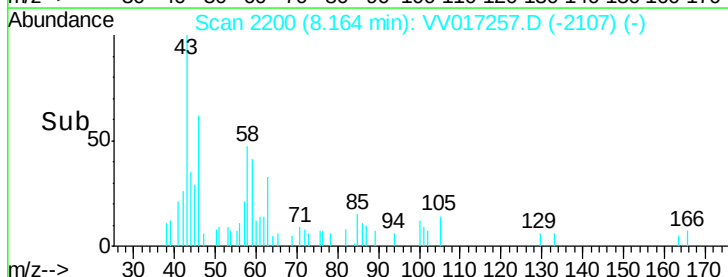
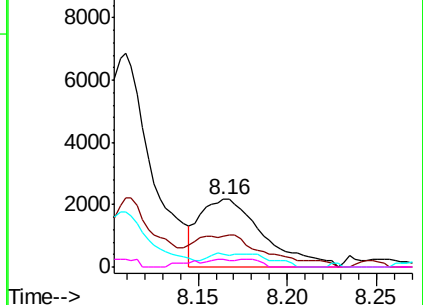


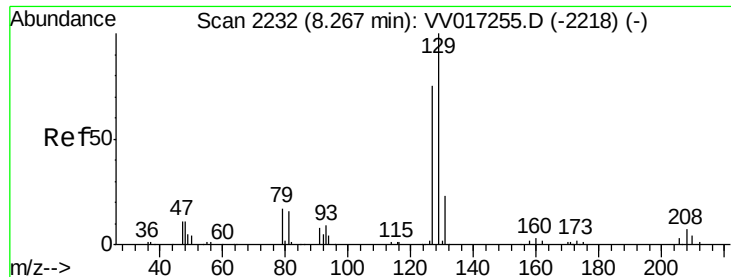
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#51

Dibromochloromethane

Concen: 12.884 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV017257.D

Acq: 30 Jun 2020 13:58

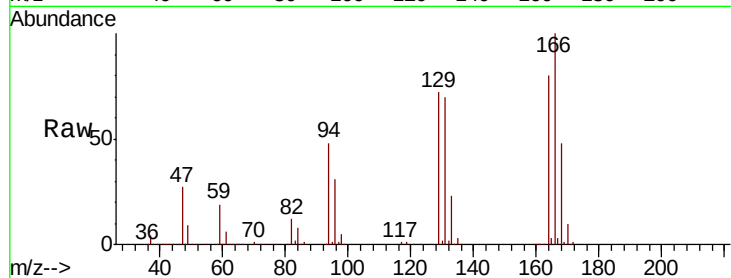
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 138923

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

