

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062420\
 Data File : VV017112.D
 Acq On : 25 Jun 2020 08:17
 Operator : SY/MD
 Sample : L3102-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9L65

Quant Time: Jun 25 11:35:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 11:33:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	177641	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	174451	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81103	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35314	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.58	69	30796	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.13	63	60299	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	3.93	46	115654	42.56	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.12%
24) Chloroform-d	4.38	84	98450	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.06	65	52722	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.08	84	184879	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
36) 1,2-Dichloropropane-d6	6.10	67	56014	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.60%
41) Toluene-d8	7.34	98	163923	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
45) trans-1,3-Dichloropropene-	7.64	79	21398	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
48) 2-Hexanone-d5	8.11	63	87070	40.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.98%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41110	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	66740	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

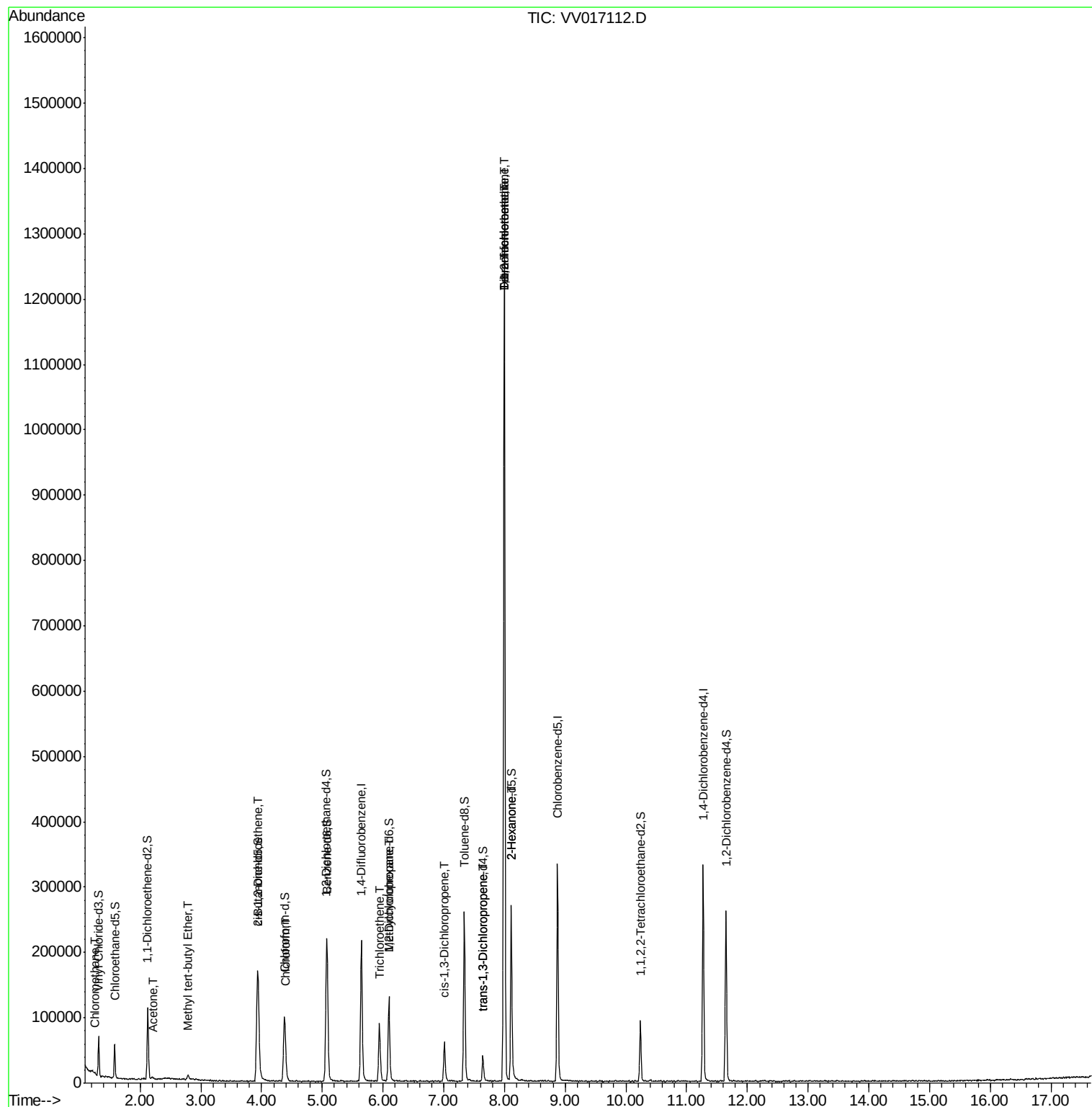
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.25	50	1081	0.090	ug/L #	78
13) Acetone	2.21	43	4001	2.913	ug/L	76
17) Methyl tert-butyl Ether	2.79	73	5782	0.270	ug/L #	84
22) cis-1,2-Dichloroethene	3.94	96	65680	5.316	ug/L	99
25) Chloroform	4.40	83	3260	0.147	ug/L	94
34) Trichloroethene	5.94	95	30929	2.312	ug/L	96
35) Methylcyclohexane	6.10	83	14432	0.694	ug/L #	17
39) cis-1,3-Dichloropropene	7.01	75	1822	0.108	ug/L #	75
46) trans-1,3-Dichloropropene	7.65	75	1014	0.070	ug/L #	52
47) 1,1,2-Trichloroethane	7.99	97	2714	0.338	ug/L #	21
49) Tetrachloroethene	8.00	164	288220	26.768	ug/L	99
50) 2-Hexanone	8.11	43	11897	2.560	ug/L #	70
51) Dibromochloromethane	8.00	129	260590	26.801	ug/L #	11

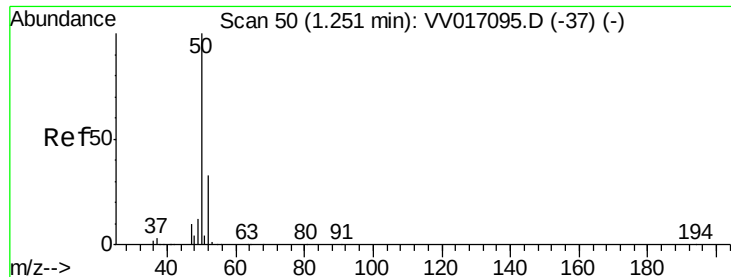
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.090 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017112.D

Acq: 25 Jun 2020 08:17

Instrument :

MSVOA_V

ClientSampleId :

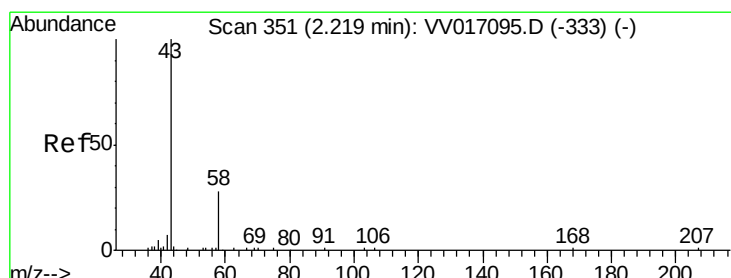
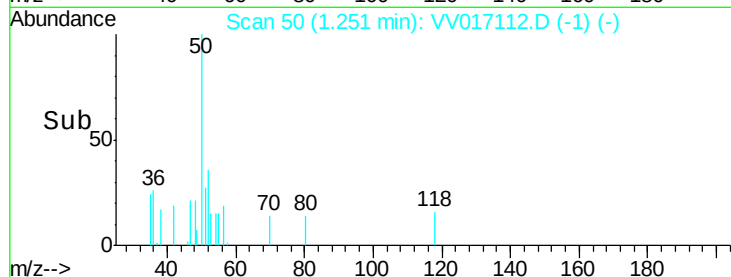
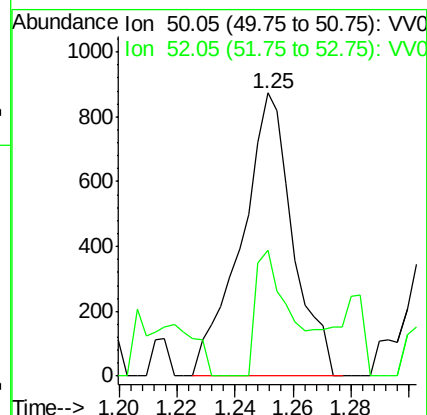
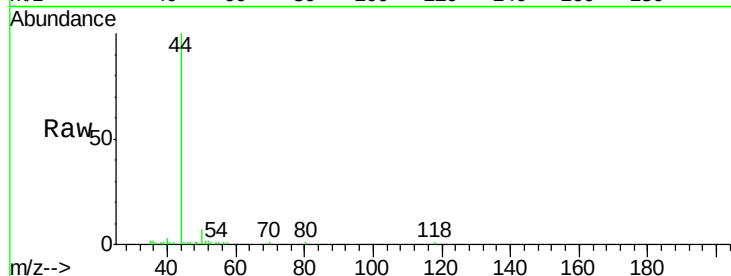
F9L65

Tgt Ion: 50 Resp: 1081

Ion Ratio Lower Upper

50 100

52 44.3 22.5 41.9#



#13

Acetone

Concen: 2.913 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV017112.D

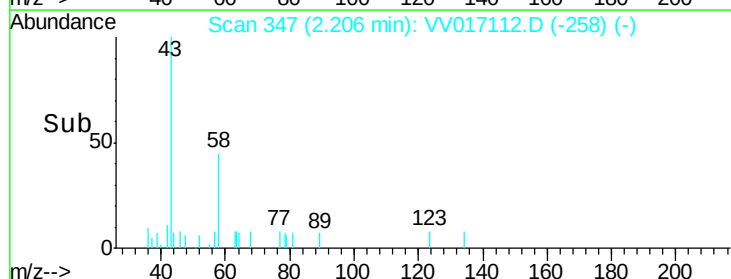
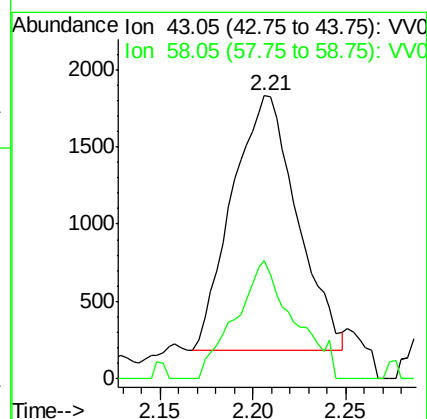
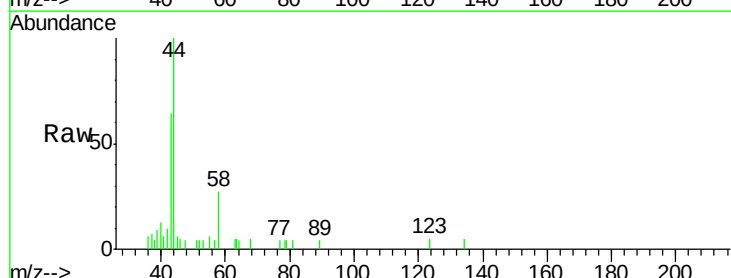
Acq: 25 Jun 2020 08:17

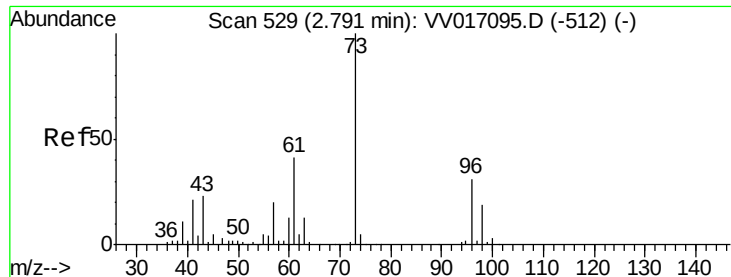
Tgt Ion: 43 Resp: 4001

Ion Ratio Lower Upper

43 100

58 41.8 0.0 58.4

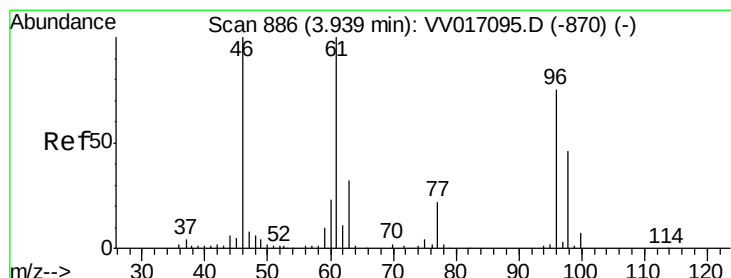
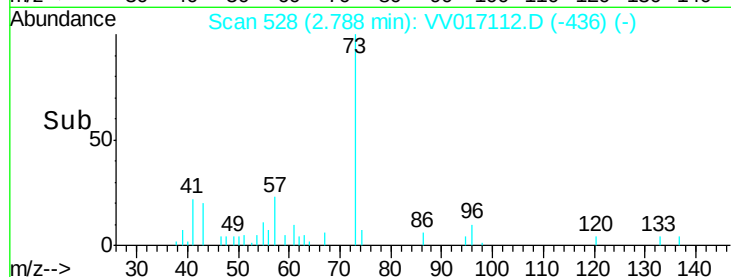
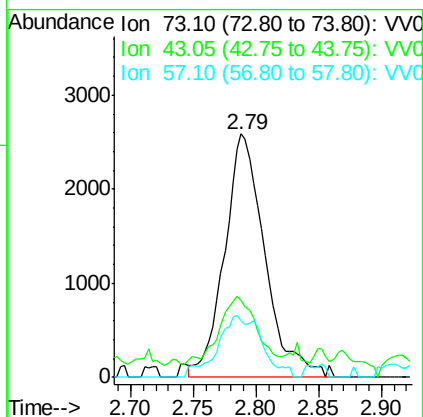
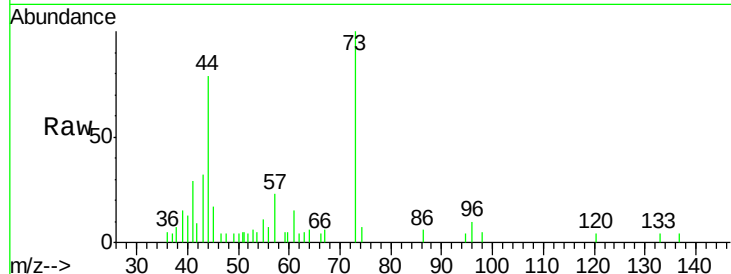




#17
Methyl tert-butyl Ether
Concen: 0.270 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017112.D
Acq: 25 Jun 2020 08:17

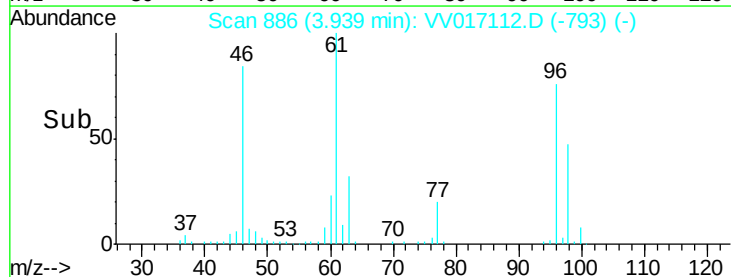
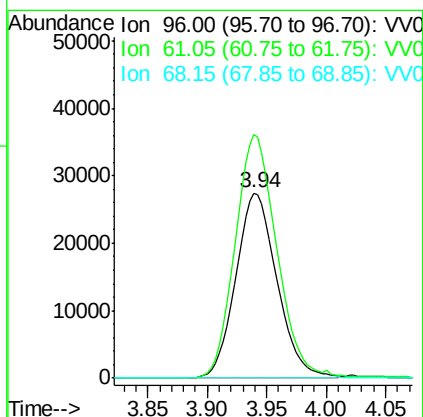
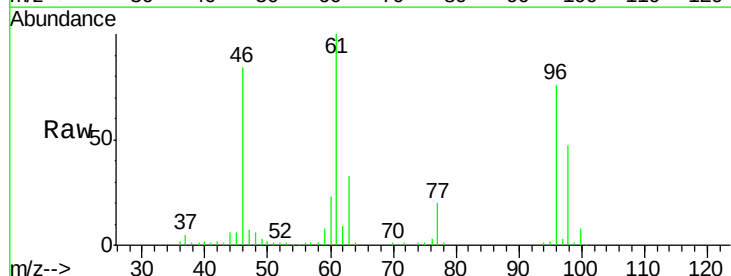
Instrument :
MSVOA_V
ClientSampled :
F9L65

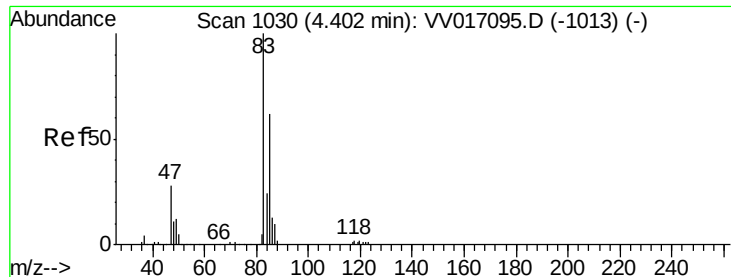
Tgt Ion: 73 Resp: 5782
Ion Ratio Lower Upper
73 100
43 30.8 18.6 28.0#
57 27.8 16.4 24.6#



#22
cis-1,2-Dichloroethene
Concen: 5.316 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017112.D
Acq: 25 Jun 2020 08:17

Tgt Ion: 96 Resp: 65680
Ion Ratio Lower Upper
96 100
61 131.6 91.0 169.0
68 0.0 0.0 0.0

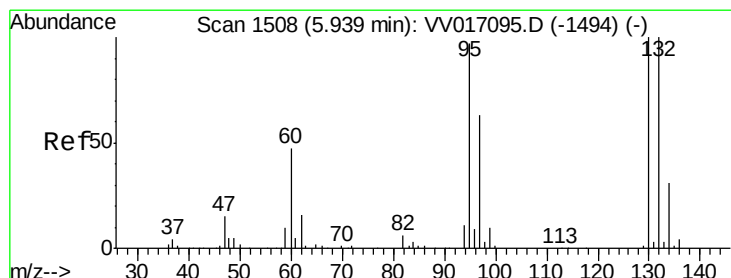
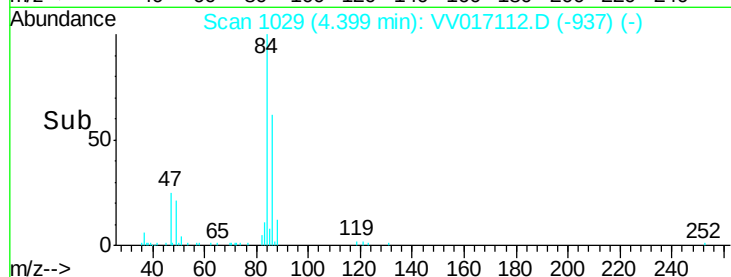
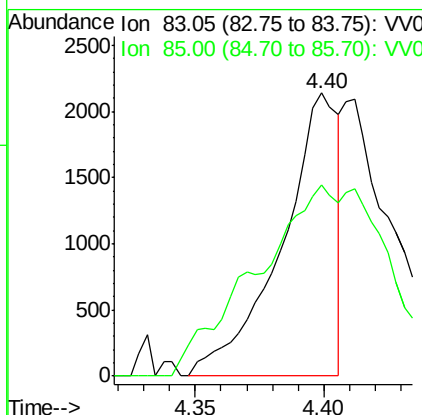
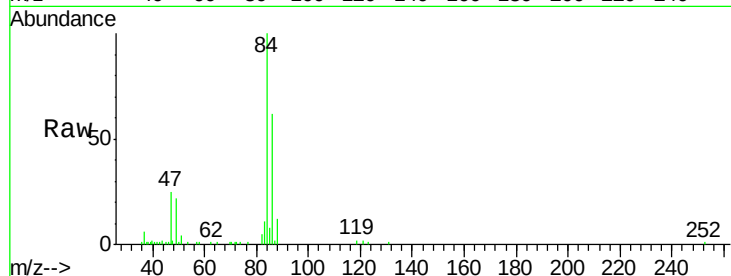




#25
Chloroform
Concen: 0.147 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017112.D
Acq: 25 Jun 2020 08:17

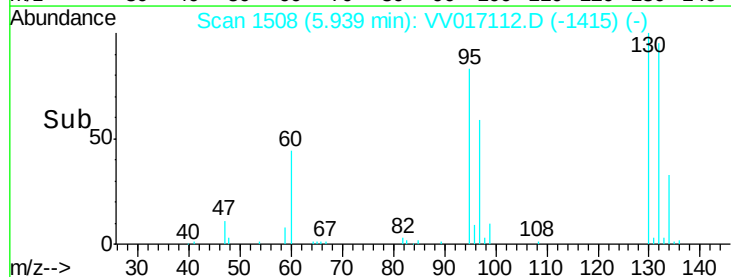
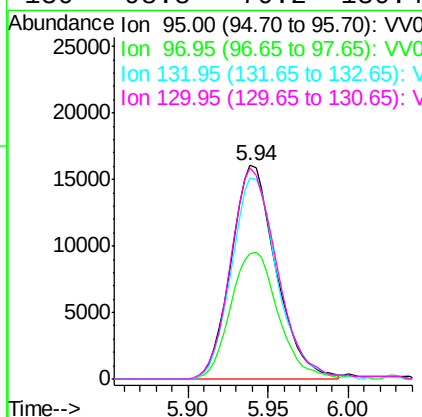
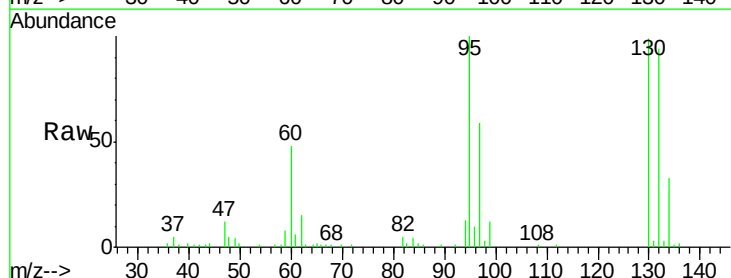
Instrument :
MSVOA_V
ClientSampleId :
F9L65

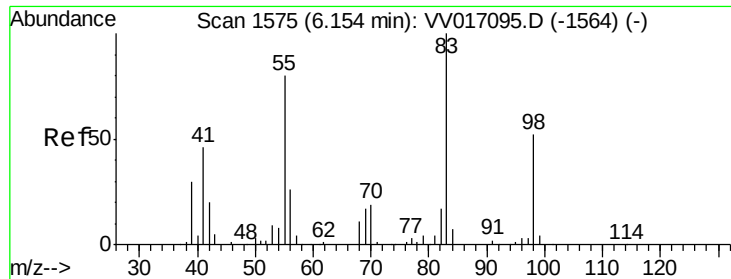
Tgt Ion: 83 Resp: 3260
Ion Ratio Lower Upper
83 100
85 67.8 44.2 82.2



#34
Trichloroethene
Concen: 2.312 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017112.D
Acq: 25 Jun 2020 08:17

Tgt Ion: 95 Resp: 30929
Ion Ratio Lower Upper
95 100
97 58.6 45.3 84.1
132 94.0 68.8 127.8
130 98.8 70.2 130.4

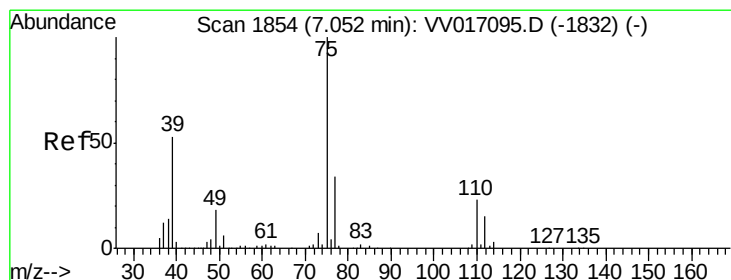
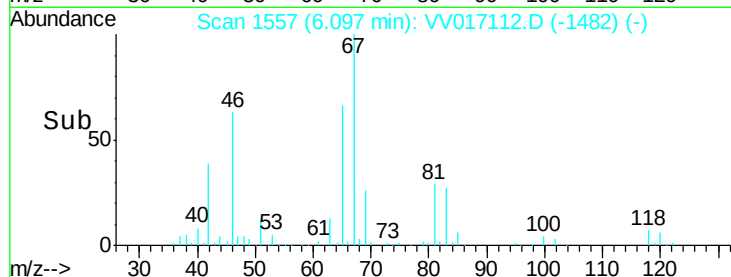
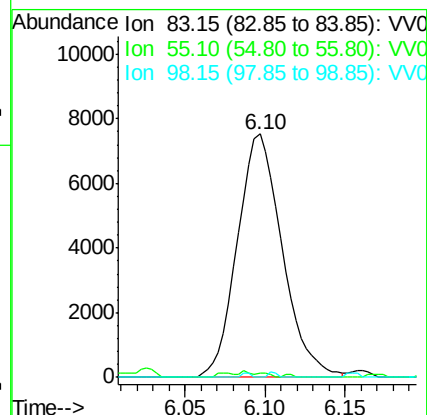
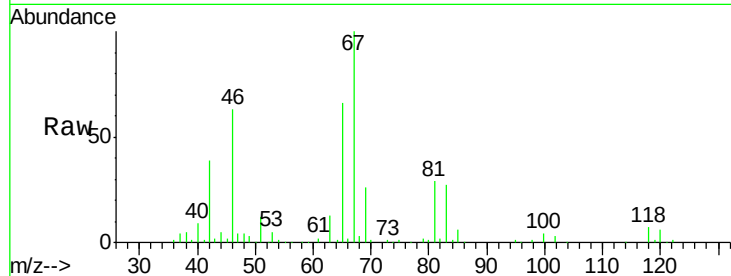




#35
Methylcyclohexane
Concen: 0.694 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV017112.D
Acq: 25 Jun 2020 08:17

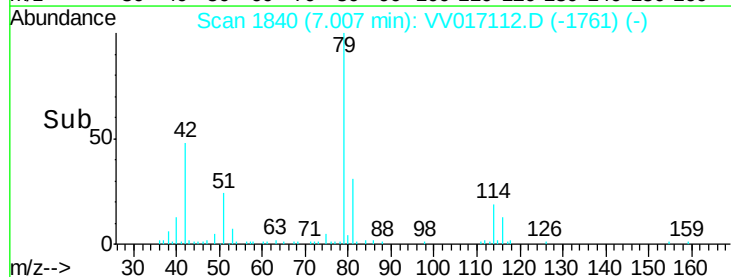
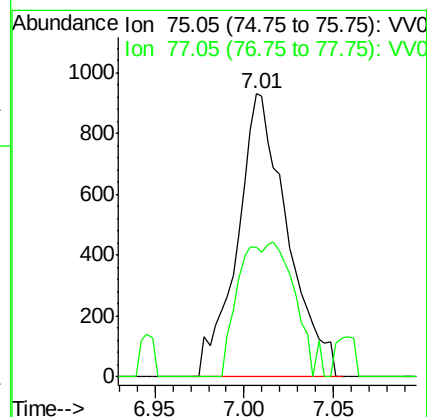
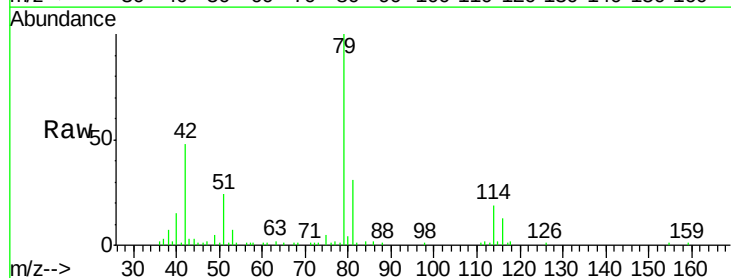
Instrument :
MSVOA_V
ClientSampleId :
F9L65

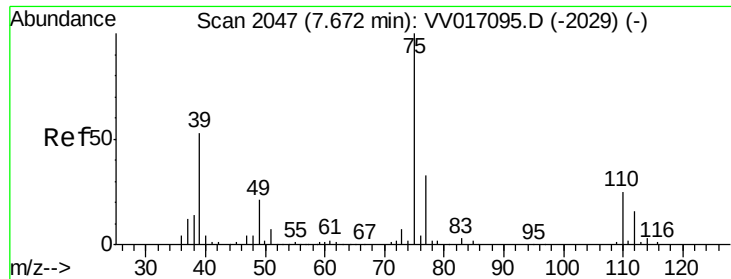
Tgt Ion: 83 Resp: 14432
Ion Ratio Lower Upper
83 100
55 0.5 63.6 95.4#
98 0.4 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.108 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV017112.D
Acq: 25 Jun 2020 08:17

Tgt Ion: 75 Resp: 1822
Ion Ratio Lower Upper
75 100
77 45.7 22.3 41.5#





#46

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV017112.D

Acq: 25 Jun 2020 08:17

Instrument :

MSVOA_V

ClientSampleId :

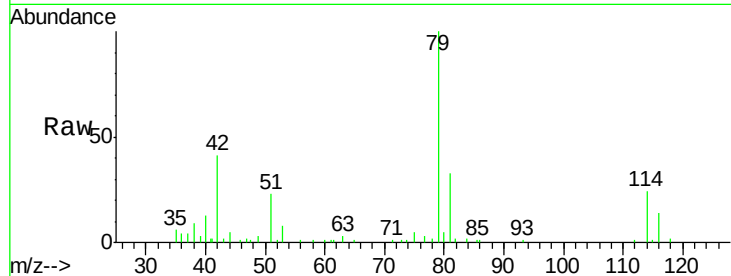
F9L65

Tgt Ion: 75 Resp: 1014

Ion Ratio Lower Upper

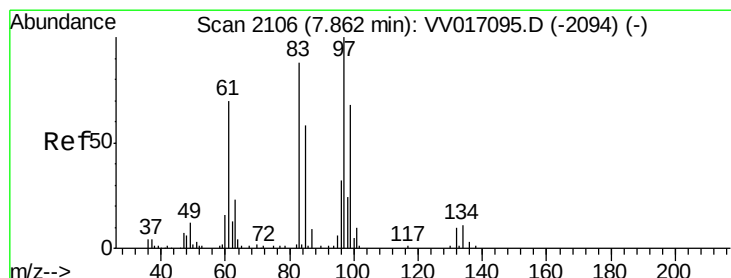
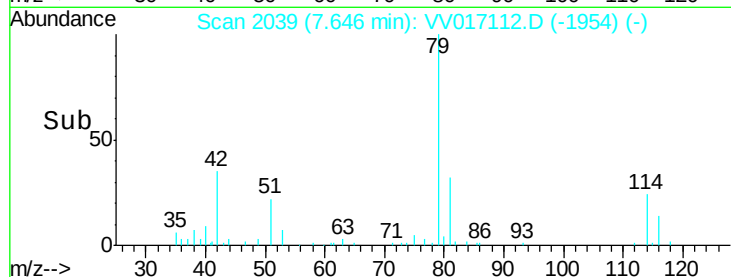
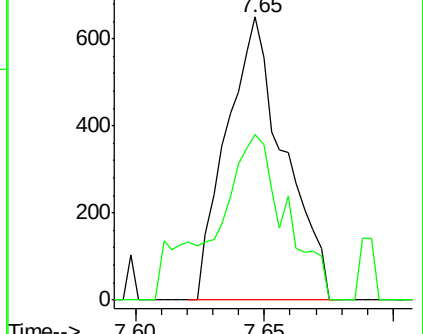
75 100

77 58.3 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

1,1,2-Trichloroethane

Concen: 0.338 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV017112.D

Acq: 25 Jun 2020 08:17

Tgt Ion: 97 Resp: 2714

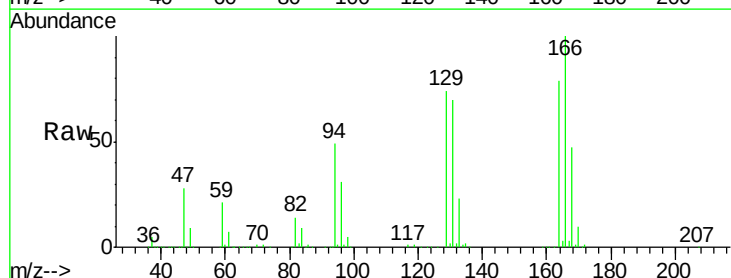
Ion Ratio Lower Upper

97 100

99 21.4 43.6 81.0#

83 209.6 57.4 106.6#

85 44.3 38.8 72.0

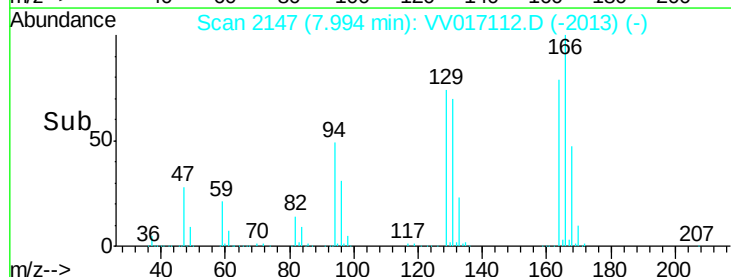
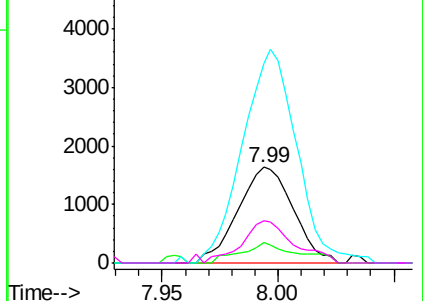


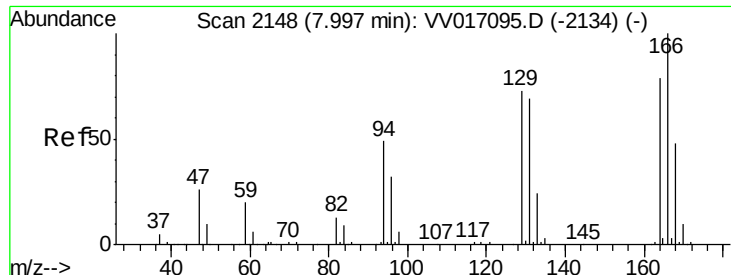
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#49

Tetrachloroethene

Concen: 26.768 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017112.D

Acq: 25 Jun 2020 08:17

Instrument :
MSVOA_V
ClientSampleId :
F9L65

Tgt Ion:164 Resp: 288220

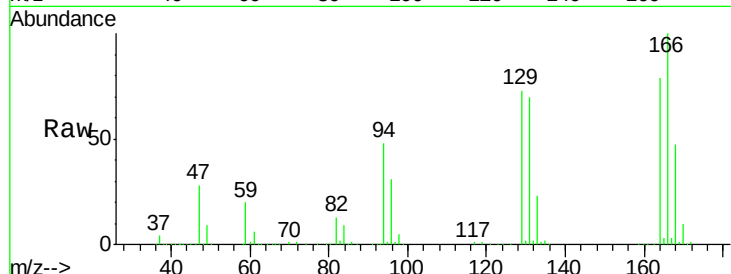
Ion Ratio Lower Upper

164 100

129 92.9 65.2 121.0

131 88.8 64.1 119.1

166 127.3 90.2 167.4

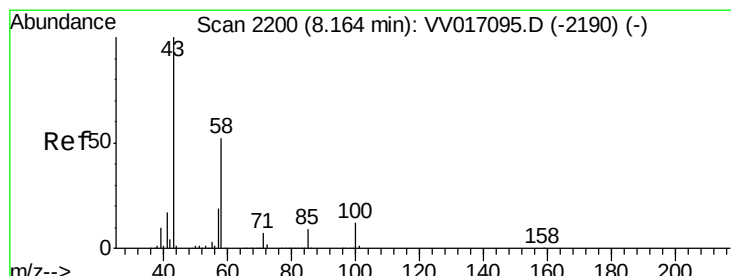
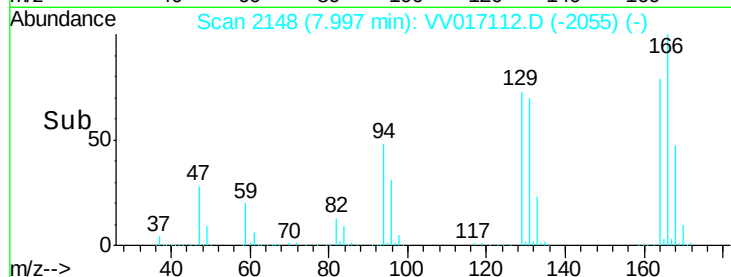
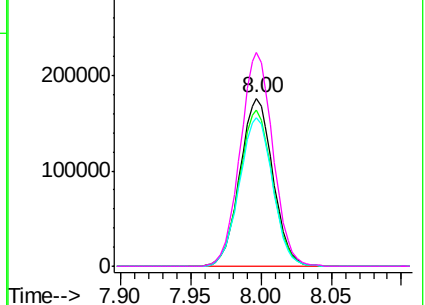


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.560 ug/L

RT: 8.11 min Scan# 2183

Delta R.T. -0.05 min

Lab File: VV017112.D

Acq: 25 Jun 2020 08:17

Tgt Ion: 43 Resp: 11897

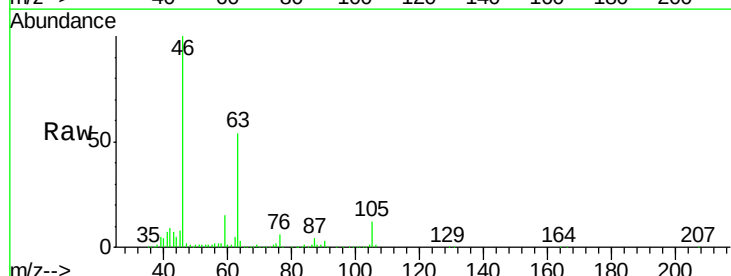
Ion Ratio Lower Upper

43 100

58 28.7 41.6 62.4#

57 28.8 15.4 23.0#

100 0.8 10.1 15.1#

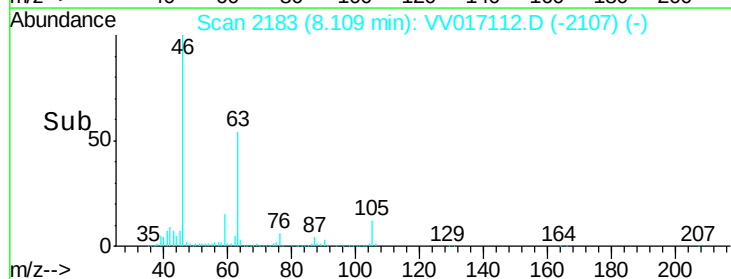
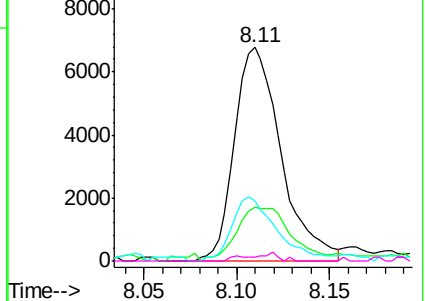


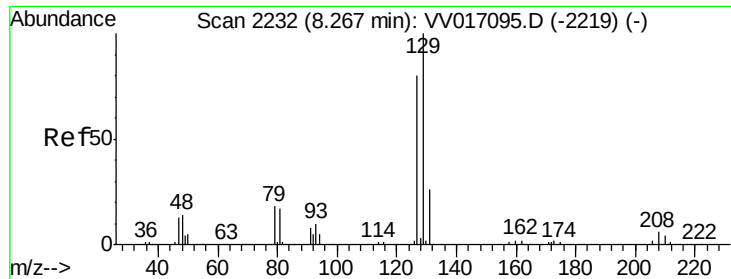
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 26.801 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017112.D

Acq: 25 Jun 2020 08:17

Instrument :

MSVOA_V

ClientSampleId :

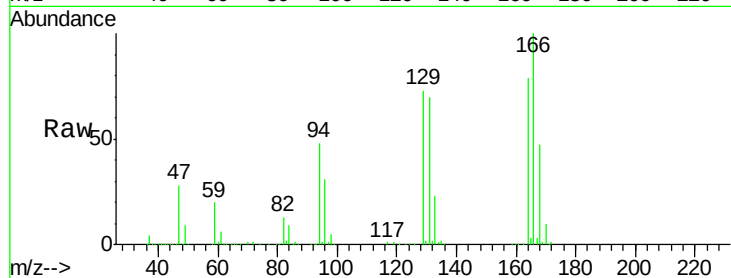
F9L65

Tgt Ion:129 Resp: 260590

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

