

Data File : VV012481.D
Acq On : 31 Aug 2019 05:57
Operator : SY/MD
Sample : K4607-02
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD59

Quant Time: Aug 31 06:33:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 31 05:14:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	112022	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	114182	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	47061	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36493	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.56	69	27208	3.77	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.40%
11) 1,1-Dichloroethene-d2	2.13	63	44304	2.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	3.93	46	117344	57.66	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.32%
24) Chloroform-d	4.40	84	61633	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.80%
26) 1,2-Dichloroethane-d4	5.08	65	39117	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.09	84	127677	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.80%
36) 1,2-Dichloropropane-d6	6.11	67	46506	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.36	98	99166	3.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.60%#
43) trans-1,3-Dichloropropene-	7.66	79	14418	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	8.13	63	76396	50.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40340	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	40504	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

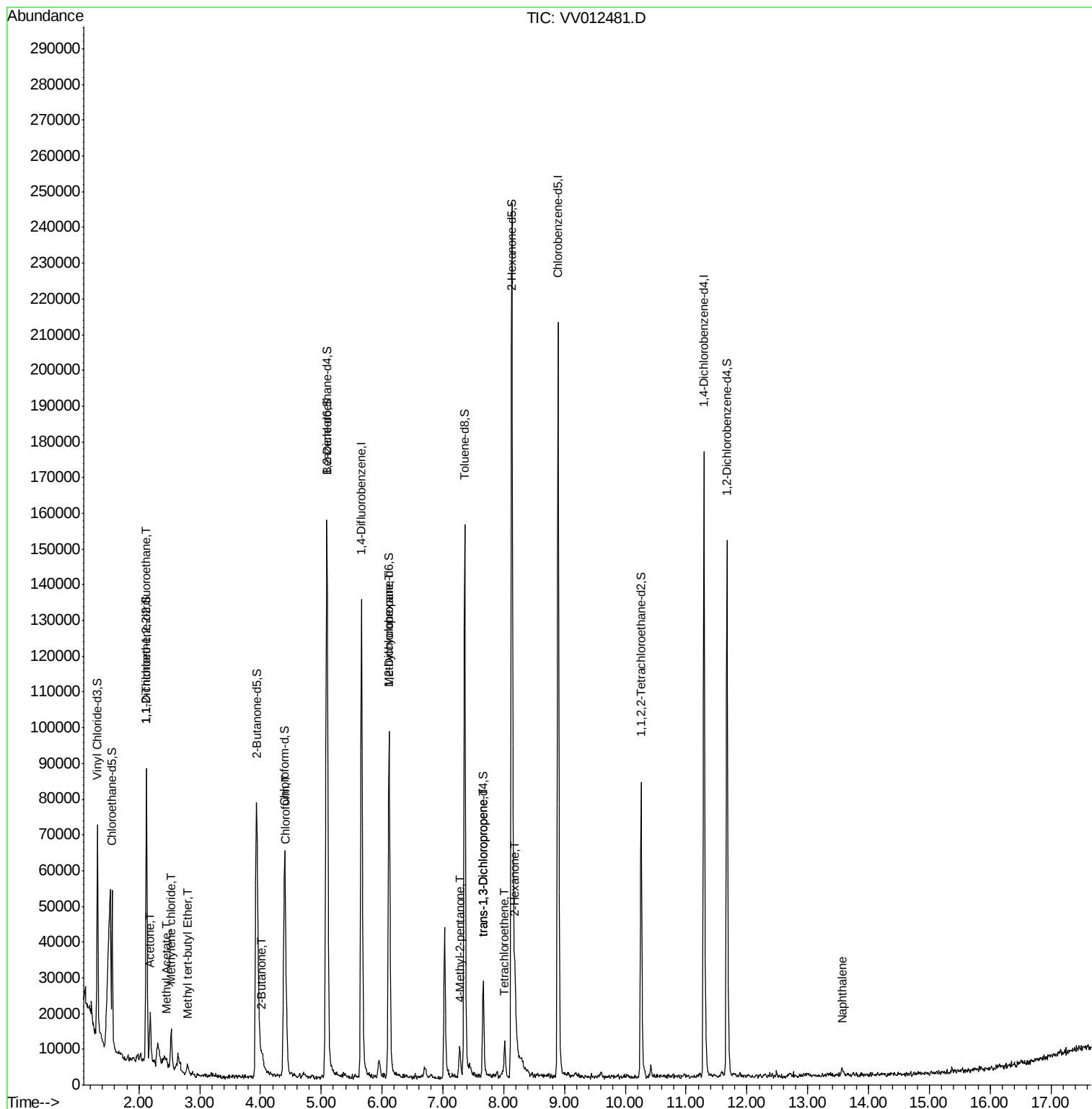
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	646	0.072	ug/L #	21
13) Acetone	2.19	43	11428	7.686	ug/L	95
15) Methyl Acetate	2.46	43	2003	0.547	ug/L	97
16) Methylene chloride	2.53	84	4379	0.451	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	1785	0.076	ug/L #	87
21) 2-Butanone	4.03	43	3683	1.347	ug/L #	66
25) Chloroform	4.42	83	9891	0.444	ug/L	89
35) Methylcyclohexane	6.12	83	10826	0.591	ug/L #	17
40) 4-Methyl-2-pentanone	7.28	43	5920	0.847	ug/L #	91
44) trans-1,3-Dichloropropene	7.66	75	892	0.072	ug/L #	66
47) Tetrachloroethene	8.02	164	2003	0.208	ug/L	90
48) 2-Hexanone	8.19	43	11516	2.420	ug/L #	91
69) Naphthalene	13.57	128	2510	0.161	ug/L #	88

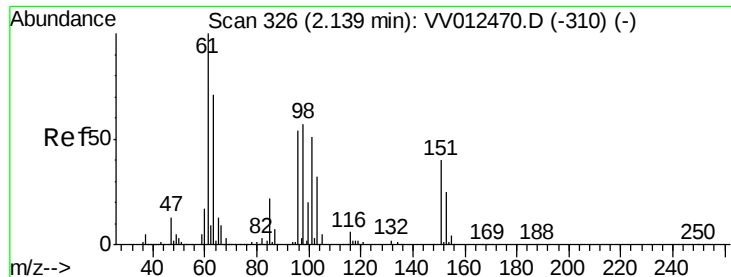
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.072 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV012481.D

Acq: 31 Aug 2019 05:57

Instrument :

MSVOA_V

ClientSampled :

BFD59

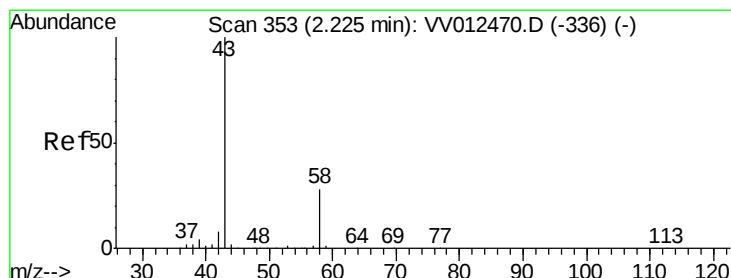
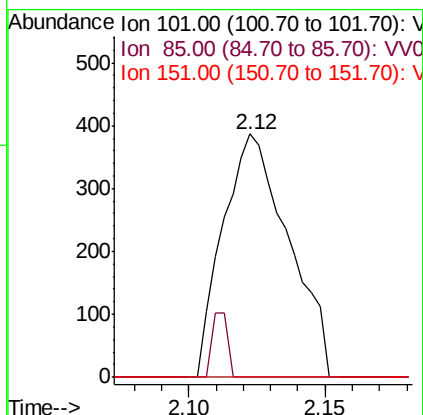
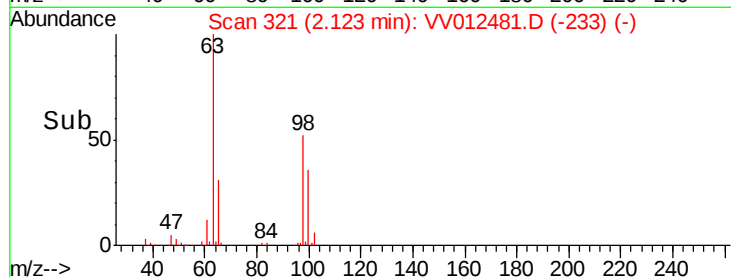
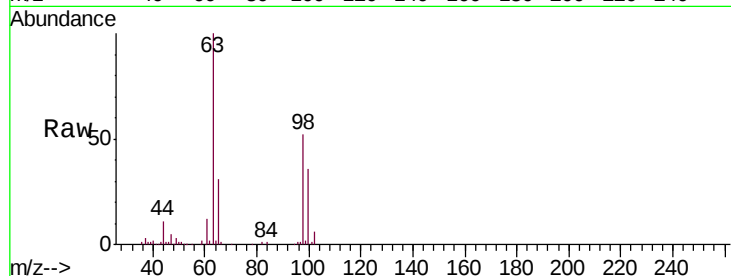
Tgt Ion: 101 Resp: 646

Ion Ratio Lower Upper

101 100

85 6.2 35.4 53.2#

151 0.0 64.4 96.6#



#13

Acetone

Concen: 7.686 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012481.D

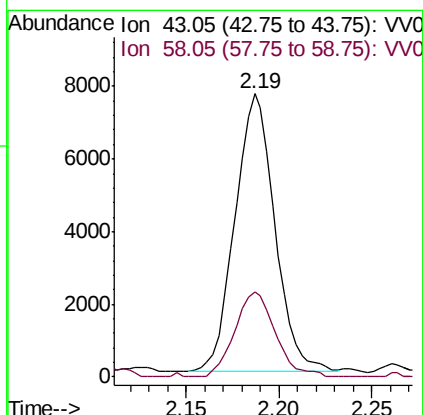
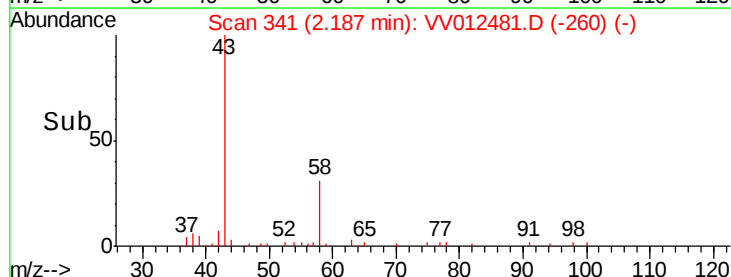
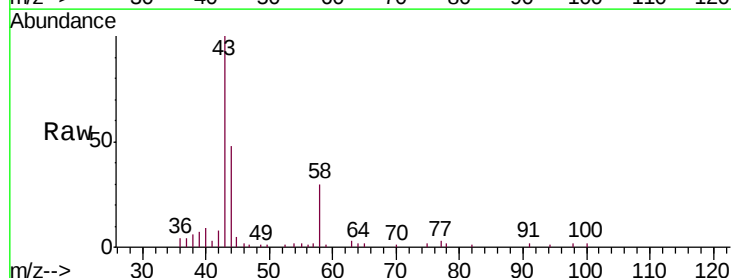
Acq: 31 Aug 2019 05:57

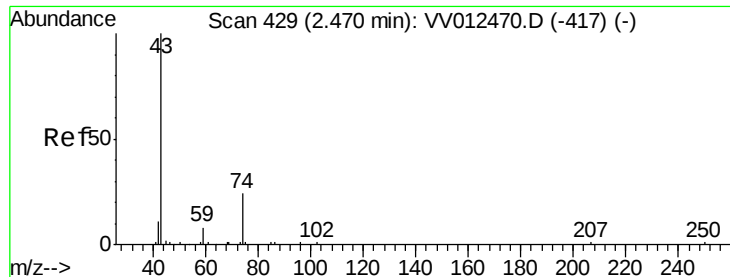
Tgt Ion: 43 Resp: 11428

Ion Ratio Lower Upper

43 100

58 31.1 0.0 56.8

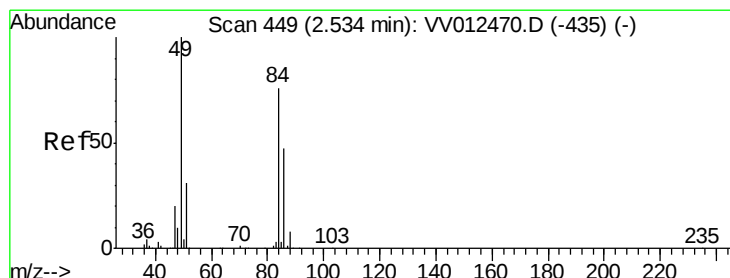
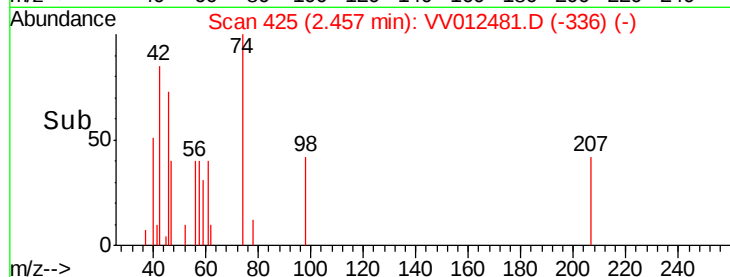
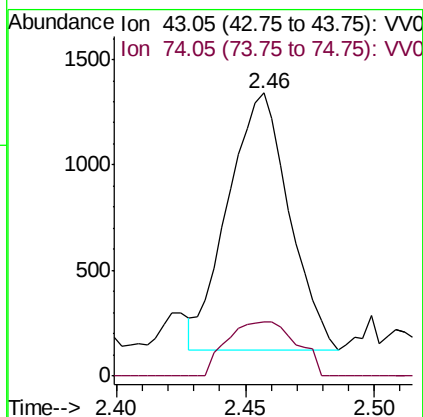
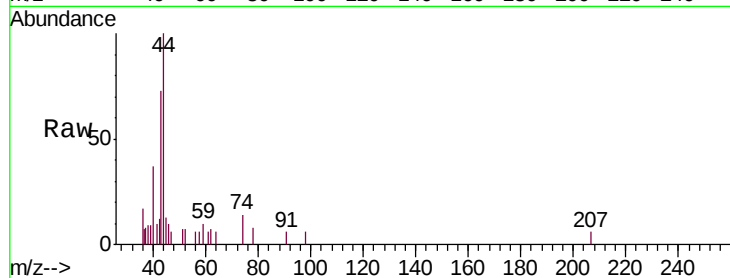




#15
Methyl Acetate
Concen: 0.547 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV012481.D
Acq: 31 Aug 2019 05:57

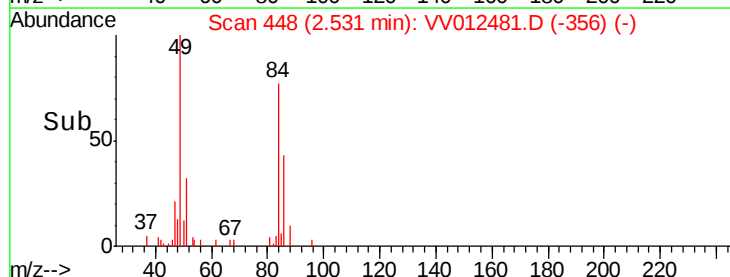
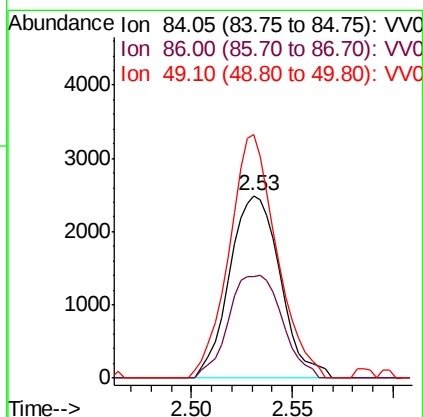
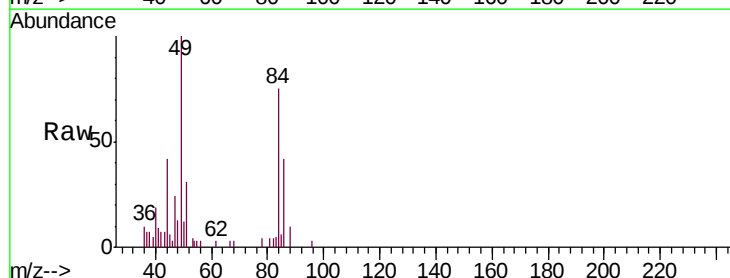
Instrument :
MSVOA_V
ClientSampleId :
BFD59

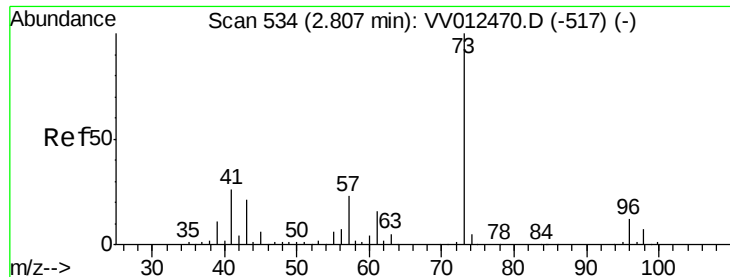
Tgt Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
74 24.3 18.1 27.1



#16
Methylene chloride
Concen: 0.451 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012481.D
Acq: 31 Aug 2019 05:57

Tgt Ion: 84 Resp: 4379
Ion Ratio Lower Upper
84 100
86 55.7 45.2 84.0
49 133.3 95.1 176.7

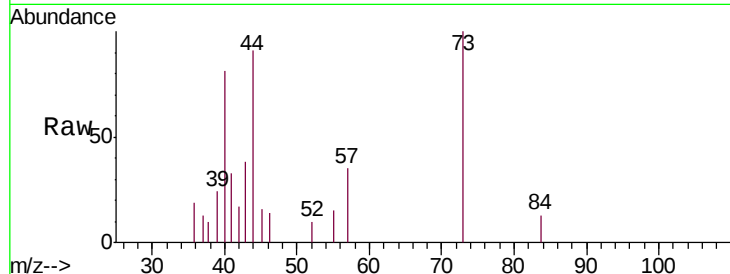




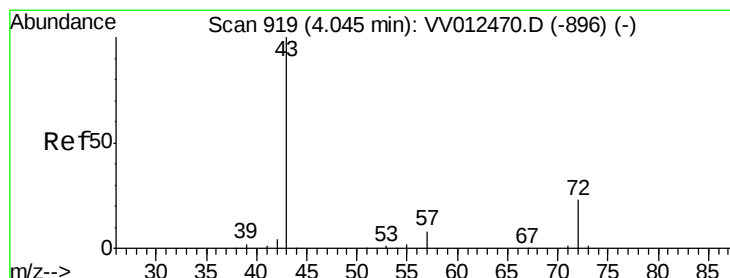
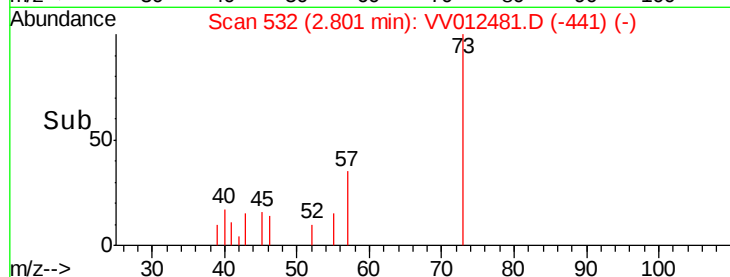
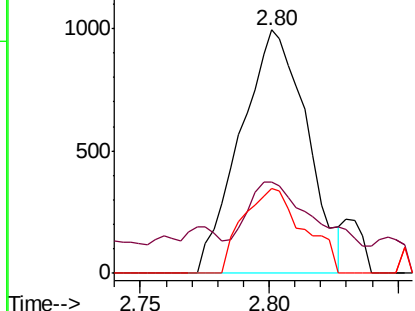
#17
Methyl tert-butyl Ether
Concen: 0.076 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.01 min
Lab File: VV012481.D
Acq: 31 Aug 2019 05:57

Instrument :
MSVOA_V
ClientSampled :
BFD59

Tgt Ion: 73 Resp: 1785
Ion Ratio Lower Upper
73 100
43 24.1 16.1 24.1
57 32.0 18.8 28.2#

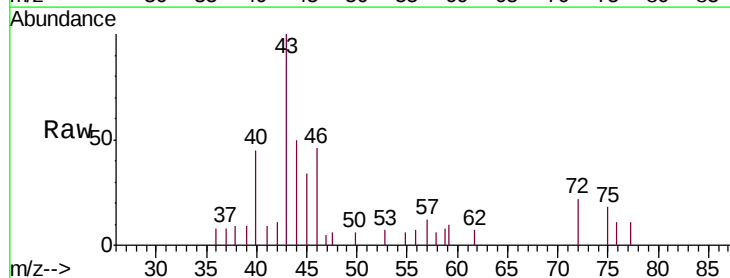


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

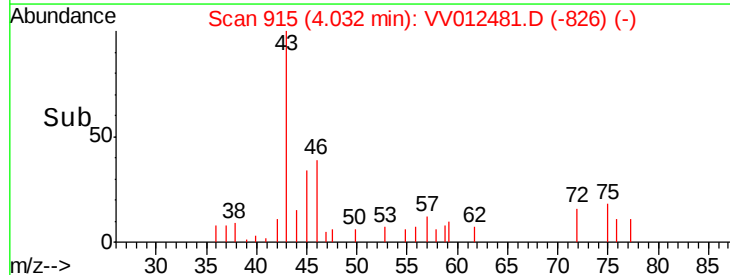
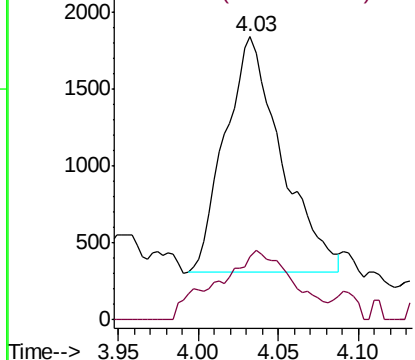


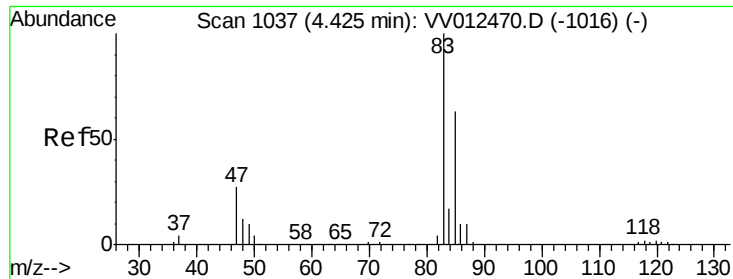
#21
2-Butanone
Concen: 1.347 ug/L
RT: 4.03 min Scan# 915
Delta R.T. -0.01 min
Lab File: VV012481.D
Acq: 31 Aug 2019 05:57

Tgt Ion: 43 Resp: 3683
Ion Ratio Lower Upper
43 100
72 40.1 11.8 35.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0

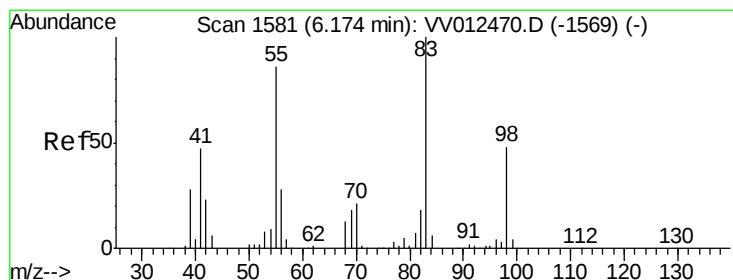
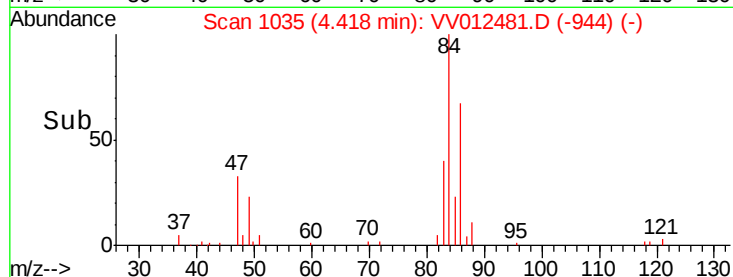
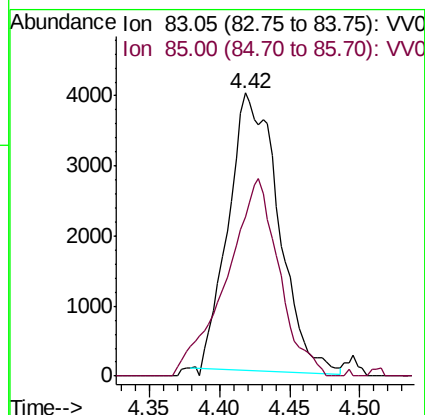
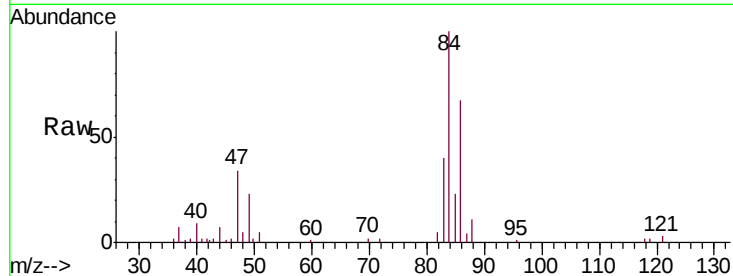




#25
Chloroform
Concen: 0.444 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV012481.D
Acq: 31 Aug 2019 05:57

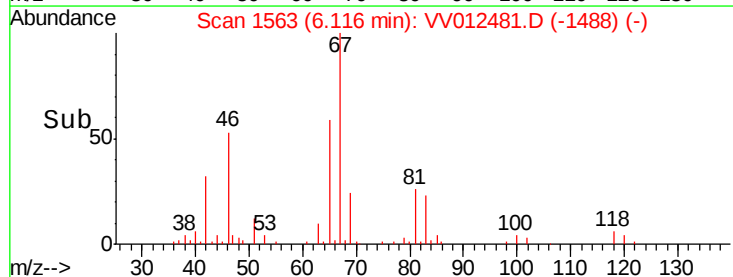
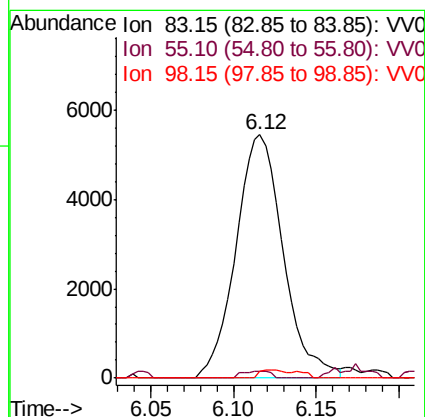
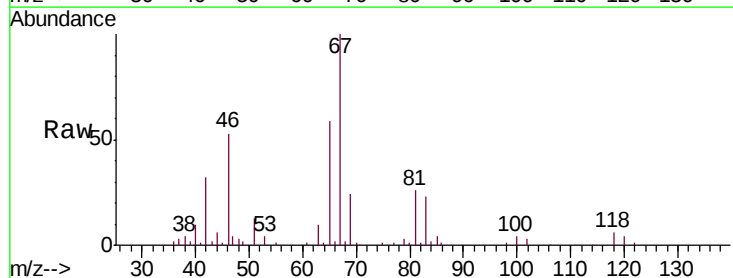
Instrument :
MSVOA_V
ClientSampleId :
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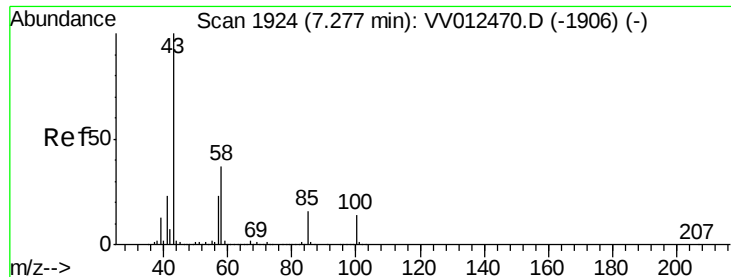
Tgt Ion: 83 Resp: 9891
Ion Ratio Lower Upper
83 100
85 56.1 45.4 84.4



#35
Methylcyclohexane
Concen: 0.591 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012481.D
Acq: 31 Aug 2019 05:57

Tgt Ion: 83 Resp: 10826
Ion Ratio Lower Upper
83 100
55 1.7 67.8 101.6#
98 1.7 39.2 58.8#

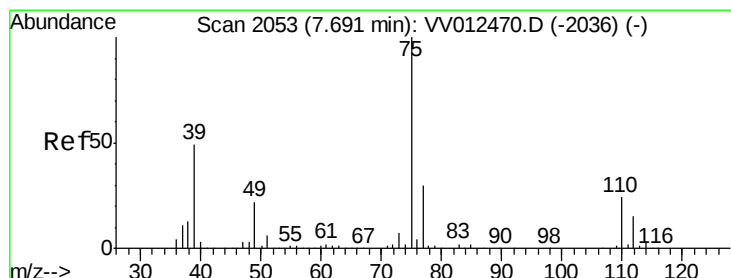
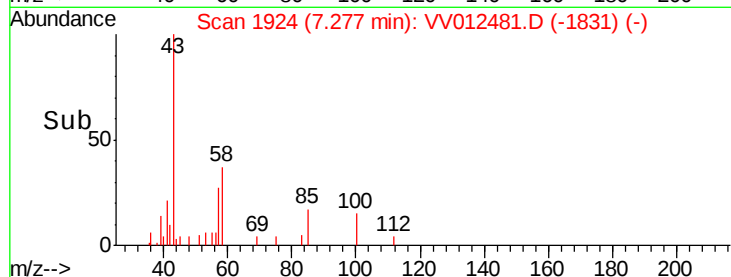
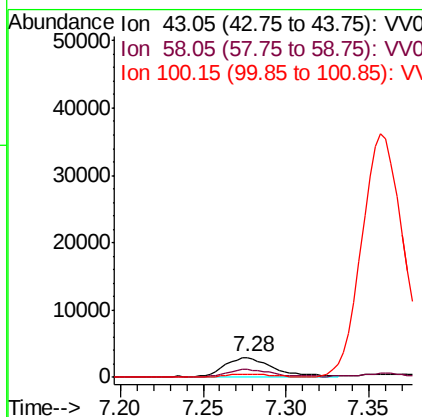
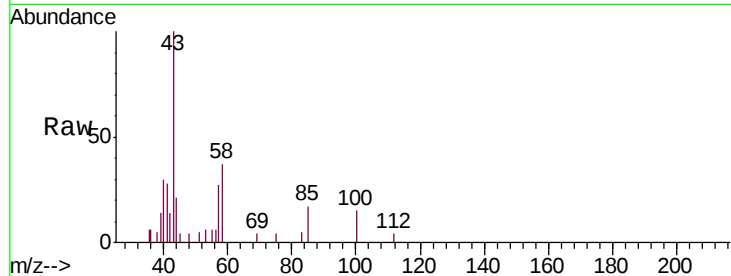




#40
 4-Methyl-2-pentanone
 Concen: 0.847 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012481.D
 Acq: 31 Aug 2019 05:57

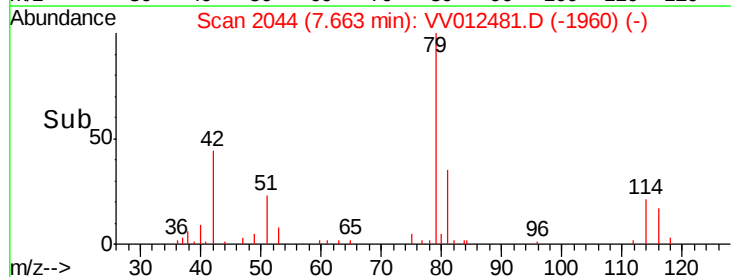
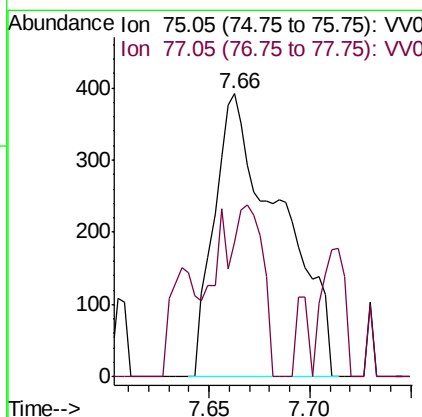
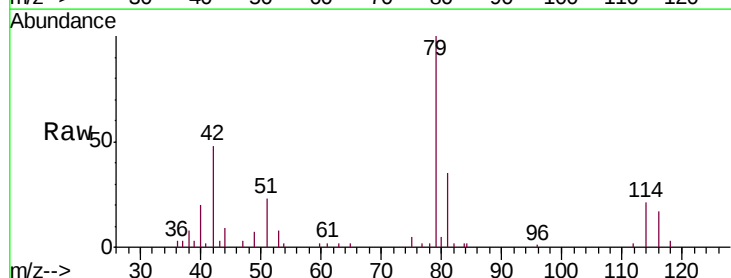
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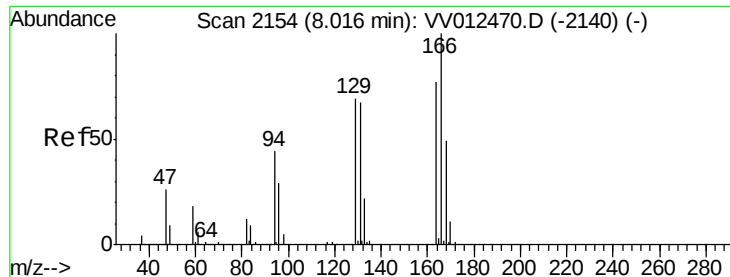
Tgt Ion: 43 Resp: 5920
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.7 44.5
 100 0.0 10.8 16.2#



#44
 trans-1,3-Dichloropropene
 Concen: 0.072 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV012481.D
 Acq: 31 Aug 2019 05:57

Tgt Ion: 75 Resp: 892
 Ion Ratio Lower Upper
 75 100
 77 47.7 20.6 38.4#





#47

Tetrachloroethene

Concen: 0.208 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012481.D

Acq: 31 Aug 2019 05:57

Instrument :

MSVOA_V

ClientSampleId :

BFD59

Tgt Ion:164 Resp: 2003

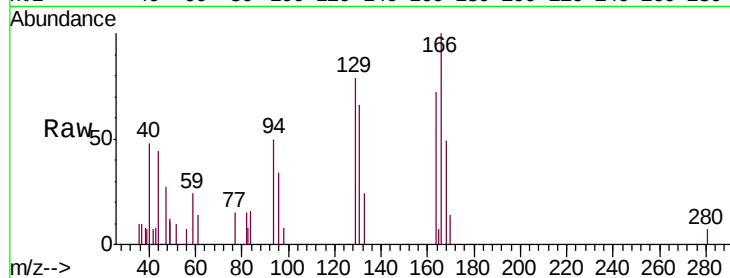
Ion Ratio Lower Upper

164 100

129 109.8 65.6 121.8

131 92.1 63.3 117.5

166 139.2 89.4 166.0

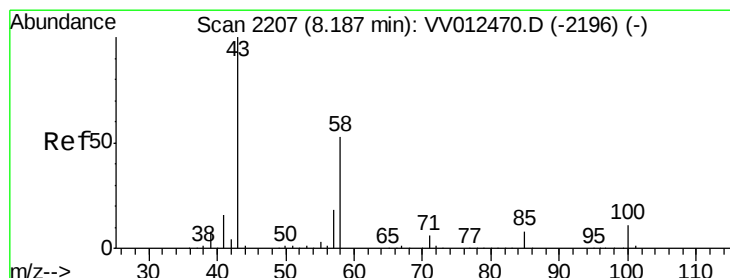
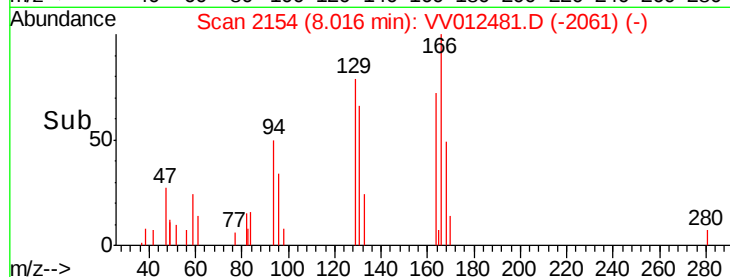
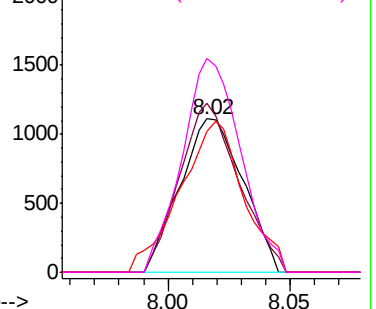


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.420 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV012481.D

Acq: 31 Aug 2019 05:57

Tgt Ion: 43 Resp: 11516

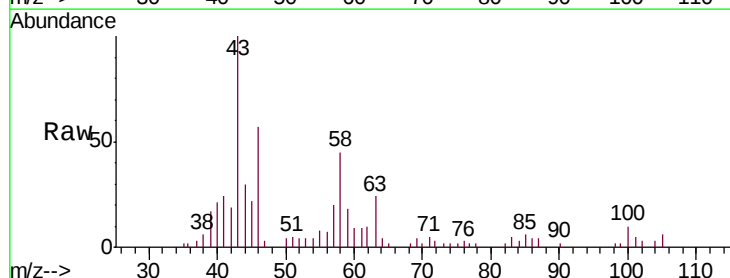
Ion Ratio Lower Upper

43 100

58 47.8 43.6 65.4

57 22.4 14.2 21.2#

100 8.3 8.9 13.3#

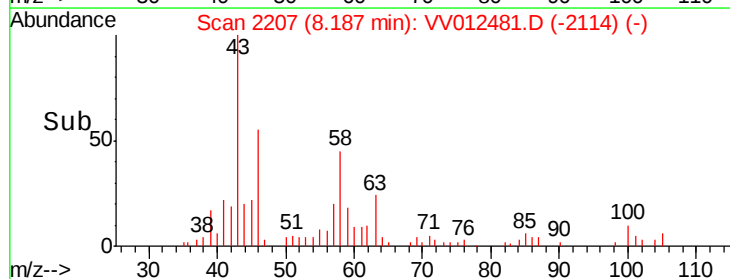
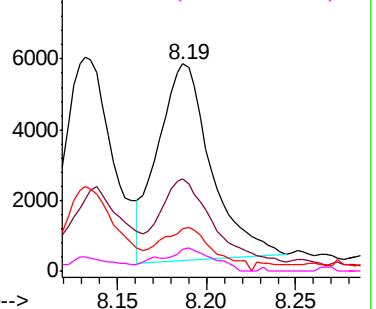


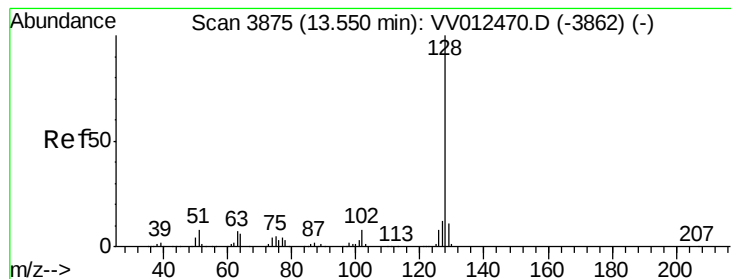
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#69

Naphthalene

Concen: 0.161 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.02 min

Lab File: VV012481.D

Acq: 31 Aug 2019 05:57

Instrument :

MSVOA_V

ClientSampleId :

BFD59

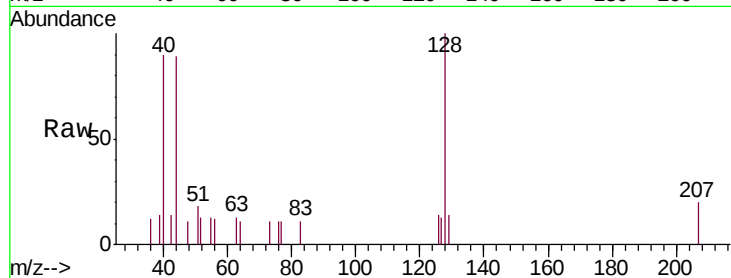
Tgt Ion:128 Resp: 2510

Ion Ratio Lower Upper

128 100

129 12.5 8.6 13.0

127 6.2 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

