

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016137.D
 Acq On : 20 May 2020 17:25
 Operator : SY/MD
 Sample : L2725-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 21 01:42:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.65	114	135222	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	133470	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	61886	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31598	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	35187	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.12	63	56859	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	3.95	46	123843	59.18	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.36%
24) Chloroform-d	4.38	84	85529	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.06	65	48011	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.08	84	159074	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.10	67	51761	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.34	98	137220	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
45) trans-1,3-Dichloropropene-	7.65	79	16560	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
48) 2-Hexanone-d5	8.12	63	95747	57.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.58%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38418	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	55623	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	5006	0.499 ug/L #	75
8) Chloroethane	1.46	64	313266	43.830 ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	576	0.074 ug/L #	20
12) 1,1-Dichloroethene	2.12	96	650	0.087 ug/L #	1
14) Carbon disulfide	2.31	76	1822	0.074 ug/L #	89
22) cis-1,2-Dichloroethene	3.95	96	29054	3.375 ug/L	100
25) Chloroform	4.41	83	2005	0.115 ug/L	86
33) Benzene	5.14	78	2113	0.063 ug/L	100
35) Methylcyclohexane	6.10	83	13021	0.898 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6347	0.744 ug/L #	87
42) Toluene	7.42	91	2758	0.077 ug/L	89
46) trans-1,3-Dichloropropene	7.65	75	813	0.080 ug/L #	65
50) 2-Hexanone	8.12	43	15218	4.047 ug/L #	74
54) Ethylbenzene	9.04	91	2629	0.065 ug/L #	78
56) o-xylene	9.57	106	1285	0.090 ug/L	99
70) Naphthalene	13.53	128	21277	1.277 ug/L	98

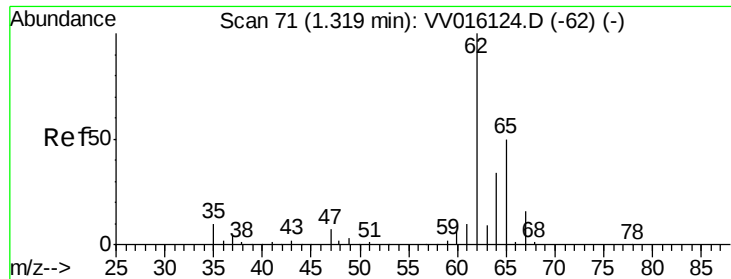
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
Data File : VV016137.D
Acq On : 20 May 2020 17:25
Operator : SY/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 21 01:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 0.499 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016137.D

Acq: 20 May 2020 17:25

Instrument :

MSVOA_V

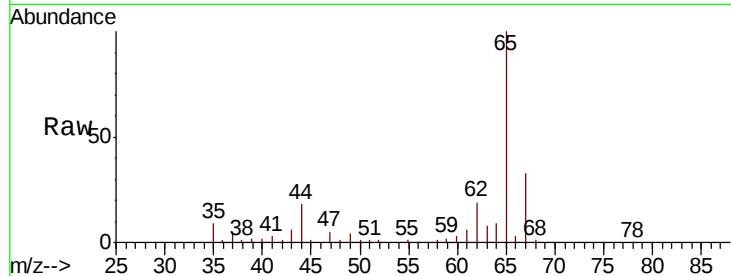
ClientSampleId :

Tot Ion: 62 Resp: 5006

Ion Ratio Lower Upper

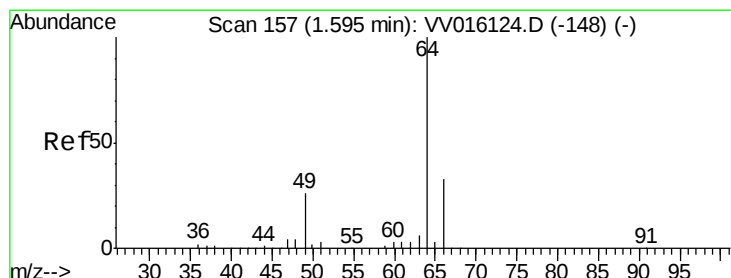
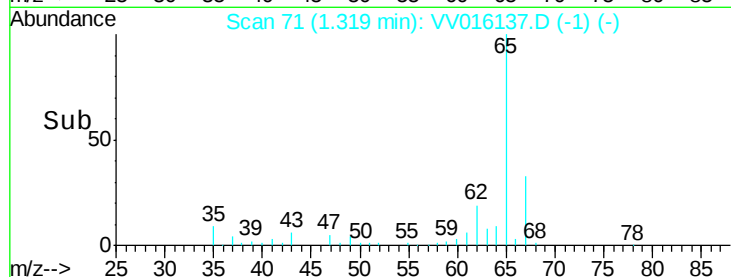
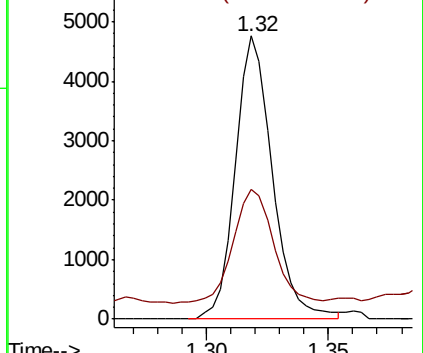
62 100

64 46.1 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 43.830 ug/L

RT: 1.46 min Scan# 115

Delta R.T. -0.14 min

Lab File: VV016137.D

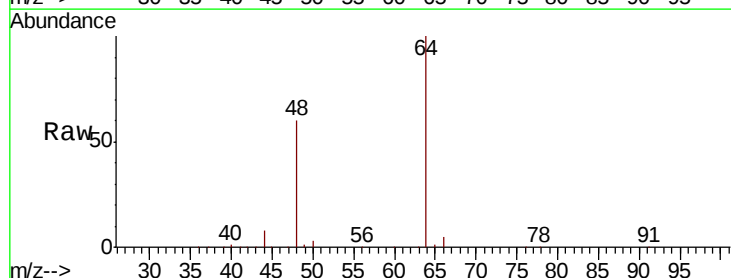
Acq: 20 May 2020 17:25

Tgt Ion: 64 Resp: 313266

Ion Ratio Lower Upper

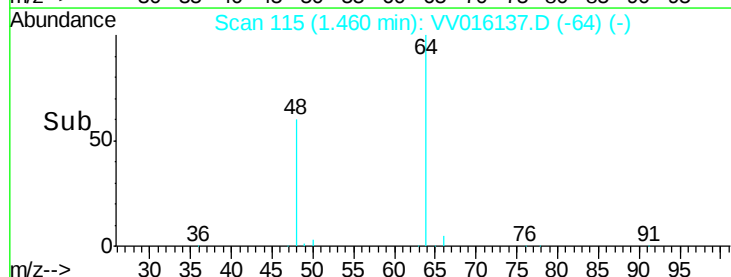
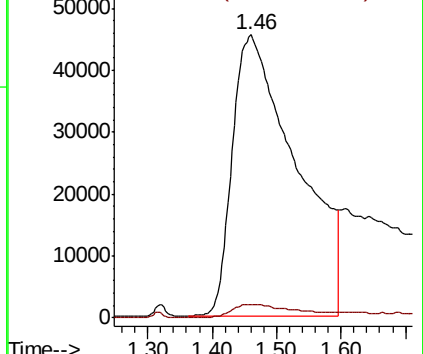
64 100

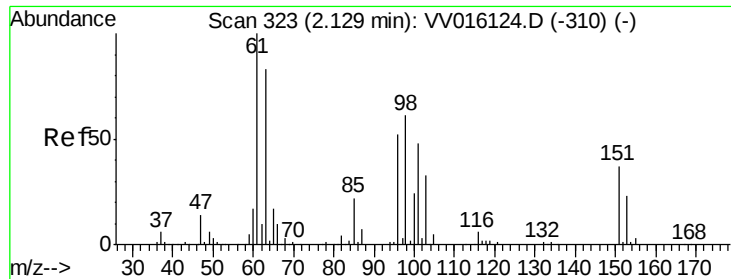
66 4.6 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#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: VV016137.D

Acq: 20 May 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

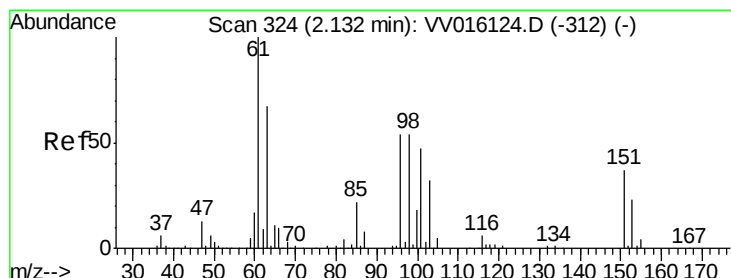
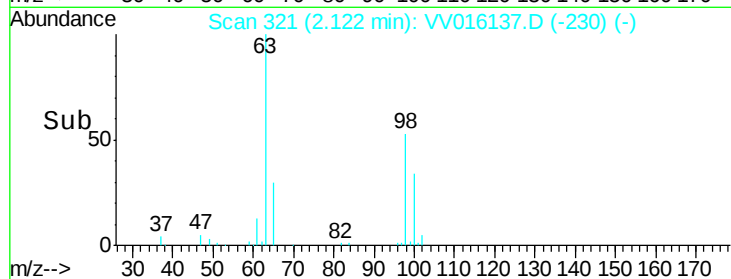
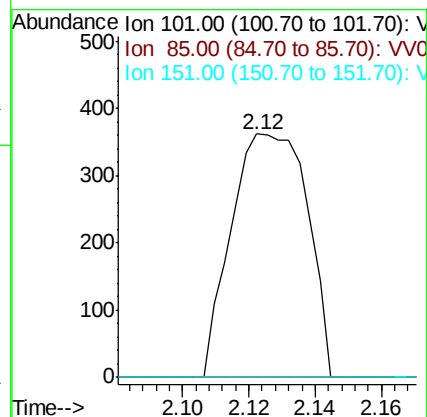
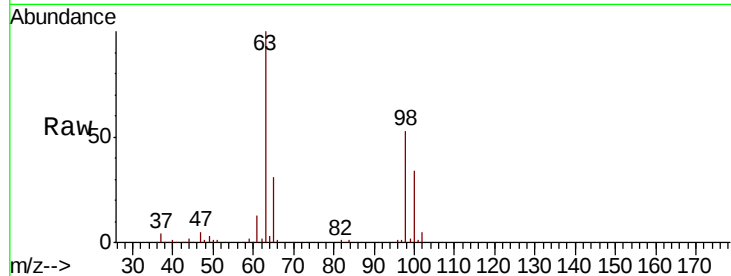
Tot Ion:101 Resp: 576

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

151 0.0 58.0 87.0#



#12

1,1-Dichloroethene

Concen: 0.087 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016137.D

Acq: 20 May 2020 17:25

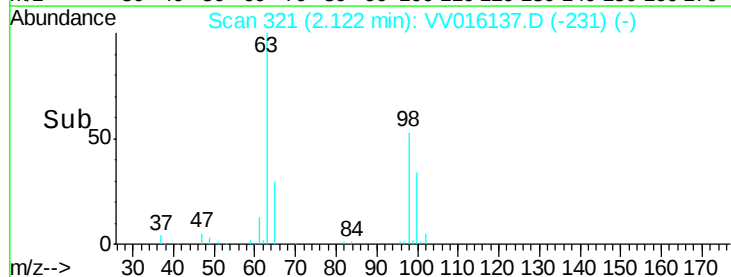
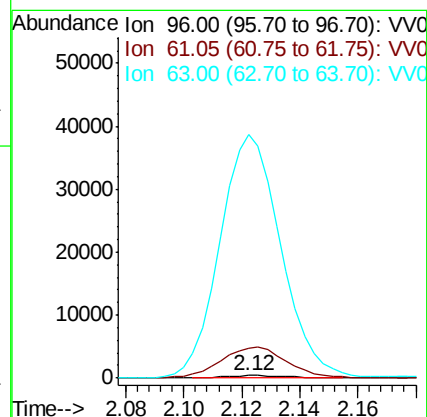
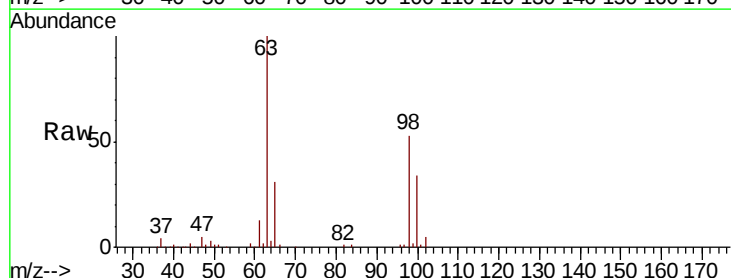
Tgt Ion: 96 Resp: 650

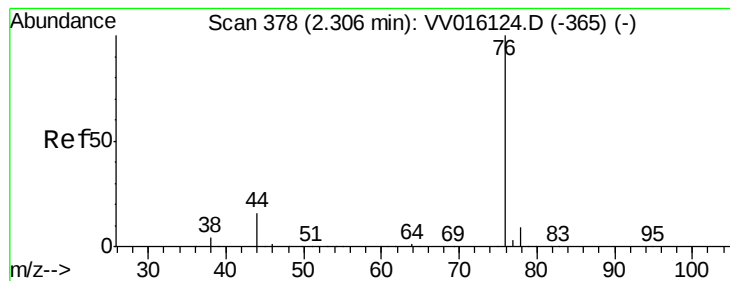
Ion Ratio Lower Upper

96 100

61 1122.3 139.9 259.7#

63 8970.8 106.4 197.6#





#14

Carbon disulfide

Concen: 0.074 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV016137.D

Acq: 20 May 2020 17:25

Instrument :

MSVOA_V

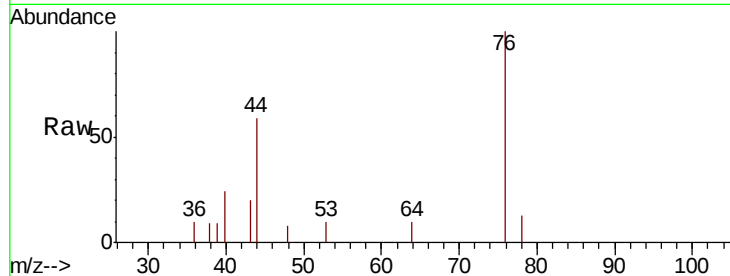
ClientSampled :

Tot Ion: 76 Resp: 1822

Ion Ratio Lower Upper

76 100

78 12.8 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

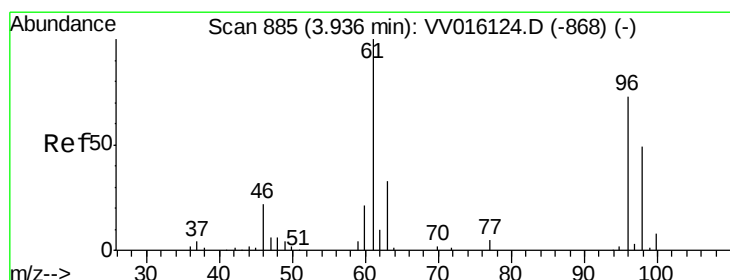
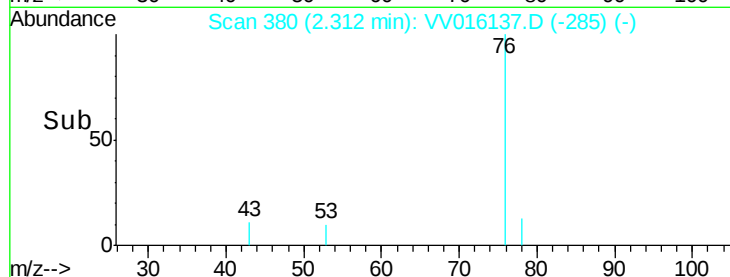
1500

1000

500

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 3.375 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV016137.D

Acq: 20 May 2020 17:25

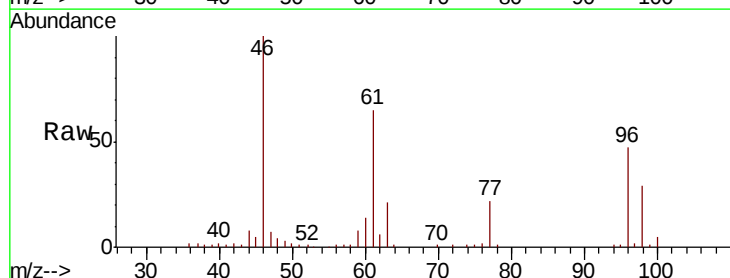
Tgt Ion: 96 Resp: 29054

Ion Ratio Lower Upper

96 100

61 138.4 97.2 180.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

20000

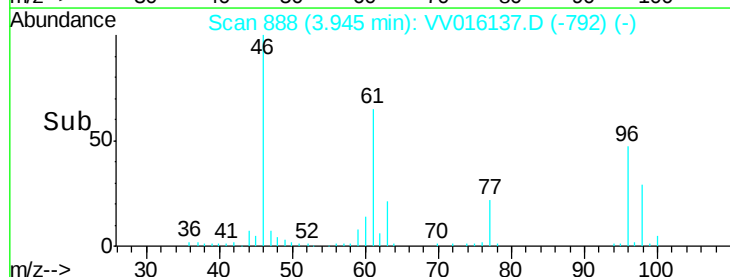
15000

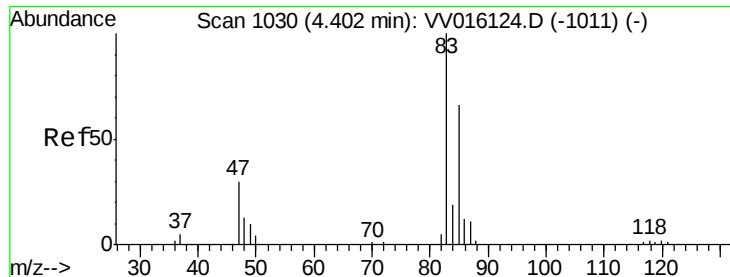
10000

5000

0

Time-->

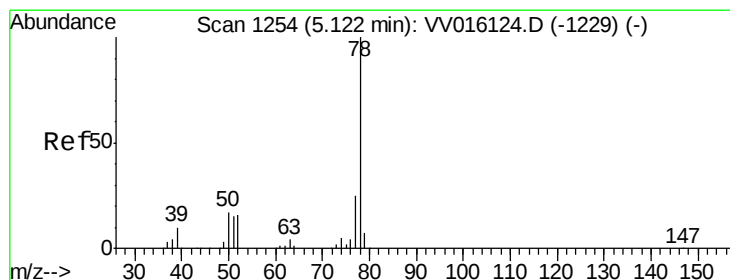
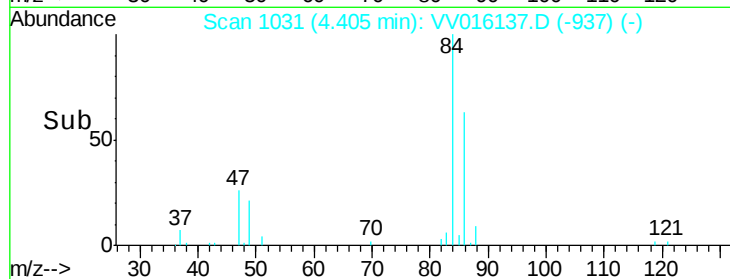
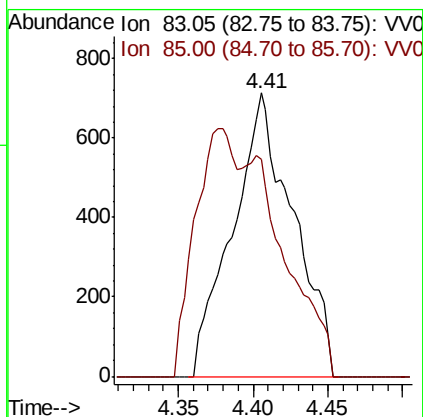
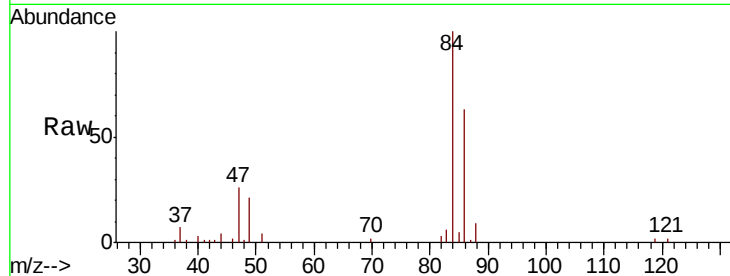




#25
Chloroform
Concen: 0.115 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016137.D
Acq: 20 May 2020 17:25

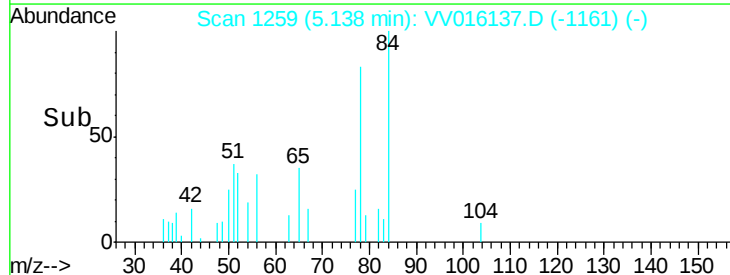
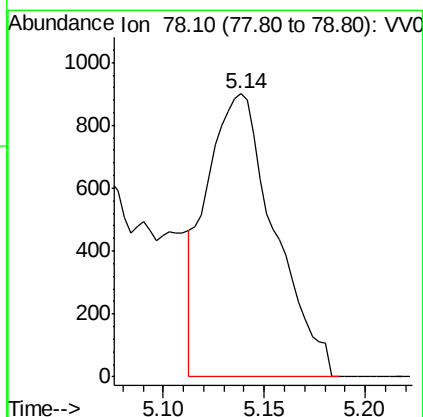
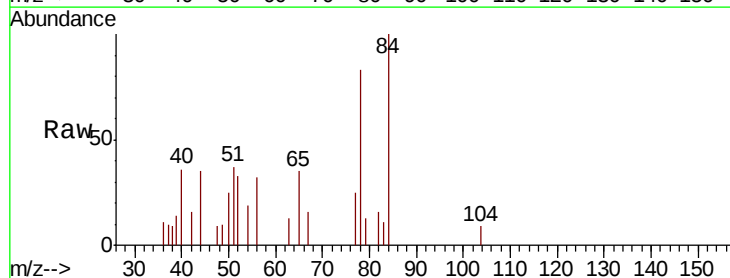
Instrument :
MSVOA_V
ClientSampleId :

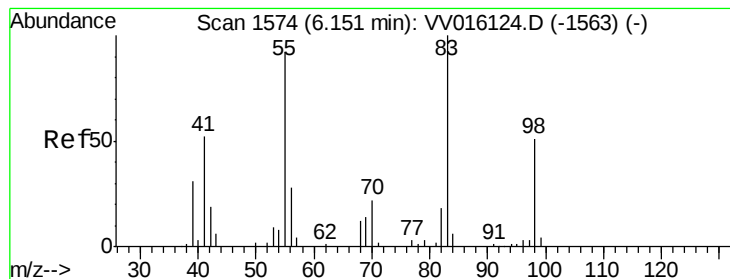
Tot Ion: 83 Resp: 2005
Ion Ratio Lower Upper
83 100
85 76.4 45.7 84.9



#33
Benzene
Concen: 0.063 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. 0.02 min
Lab File: VV016137.D
Acq: 20 May 2020 17:25

Tgt Ion: 78 Resp: 2113





#35

Methvlcvclohexane

Concen: 0.898 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016137.D

Acq: 20 May 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

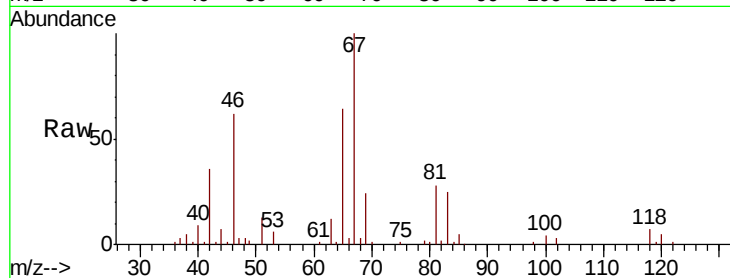
Tot Ion: 83 Resp: 13021

Ion Ratio Lower Upper

83 100

55 0.2 66.2 99.2#

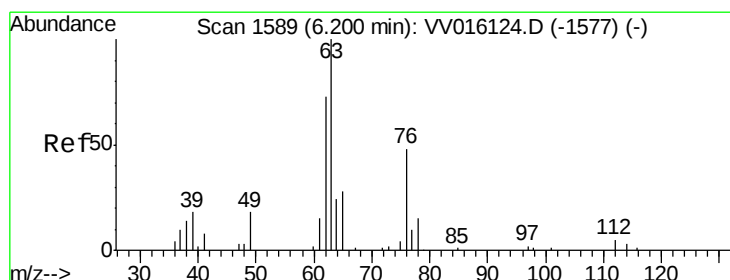
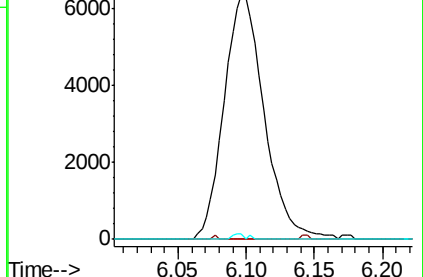
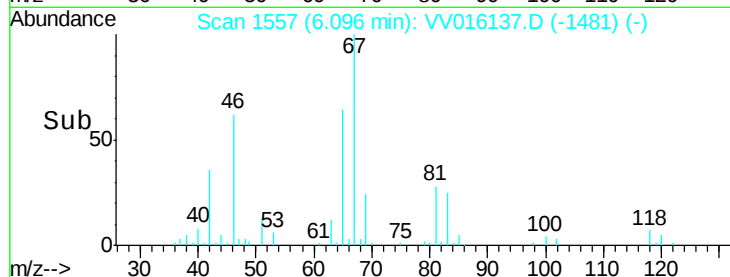
98 0.8 37.9 56.9#



Abundance Ion 83.15 (82.85 to 83.85): VV016137.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV016137.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV016137.D (-1481) (-)



#37

1,2-Dichloropropane

Concen: 0.744 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016137.D

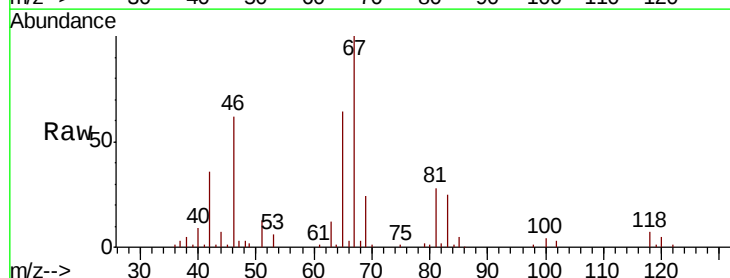
Acq: 20 May 2020 17:25

Tgt Ion: 63 Resp: 6347

Ion Ratio Lower Upper

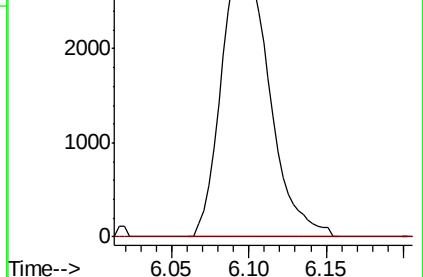
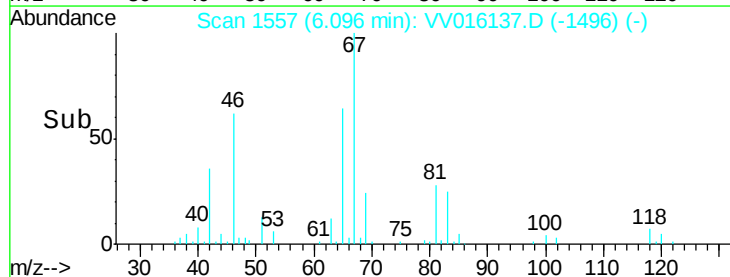
63 100

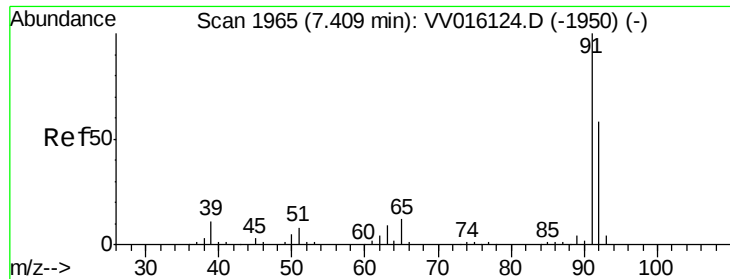
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV016137.D (-1496) (-)

Ion 112.10 (111.80 to 112.80): VV016137.D (-1496) (-)





#42

Toluene

Concen: 0.077 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV016137.D

Acq: 20 May 2020 17:25

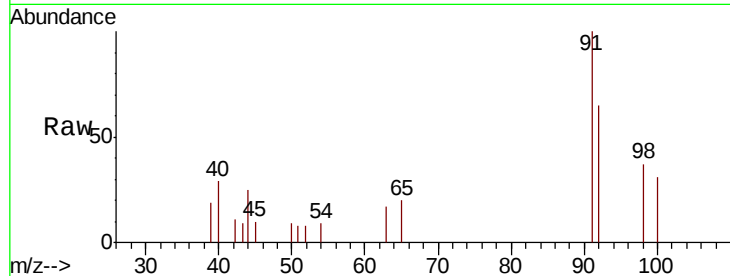
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2758

Ion Ratio Lower Upper

91 100

92 65.5 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

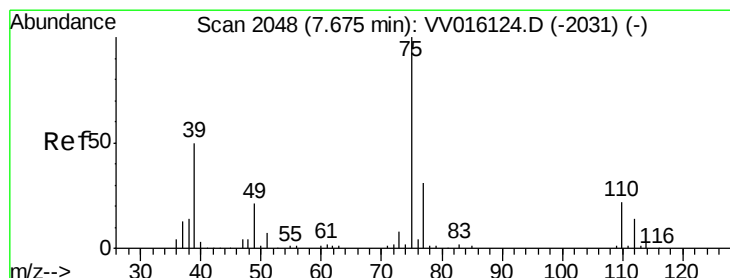
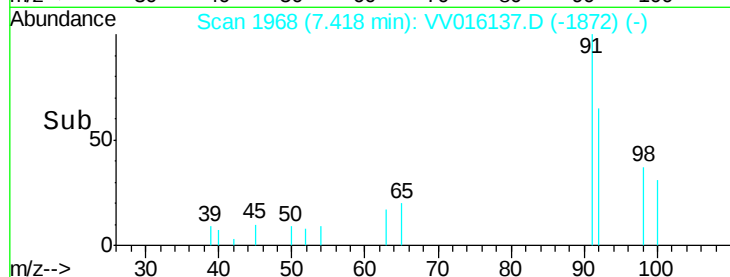
1500

1000

500

0

Time--> 7.35 7.40 7.45



#46

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016137.D

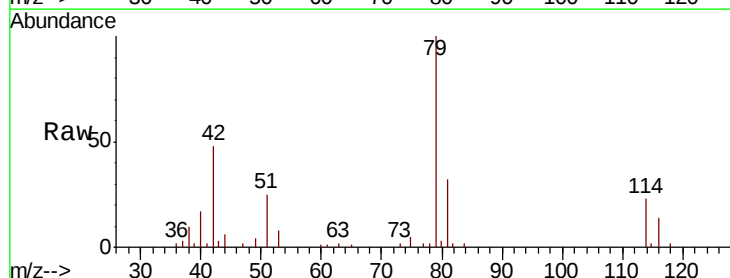
Acq: 20 May 2020 17:25

Tgt Ion: 75 Resp: 813

Ion Ratio Lower Upper

75 100

77 49.5 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

500

400

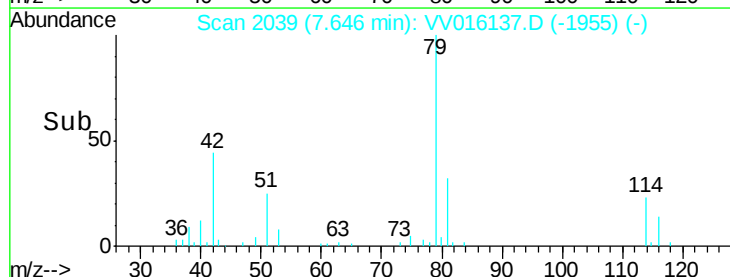
300

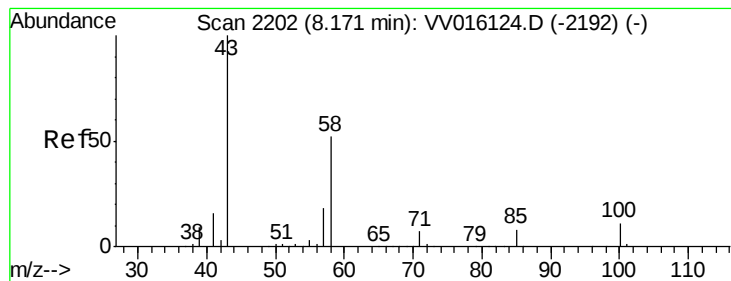
200

100

0

Time--> 7.60 7.65 7.70





#50

2-Hexanone

Concen: 4.047 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016137.D

Acq: 20 May 2020 17:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 15218

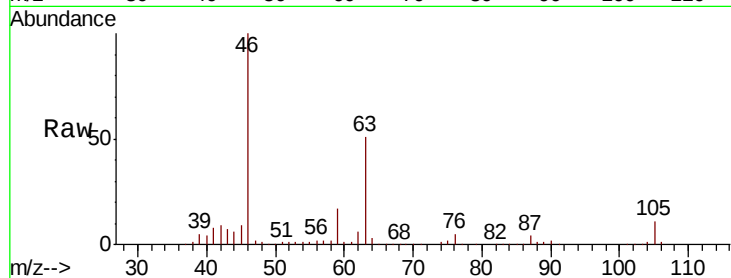
Ion Ratio Lower Upper

43 100

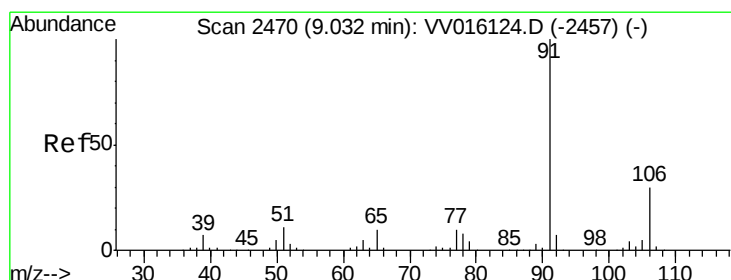
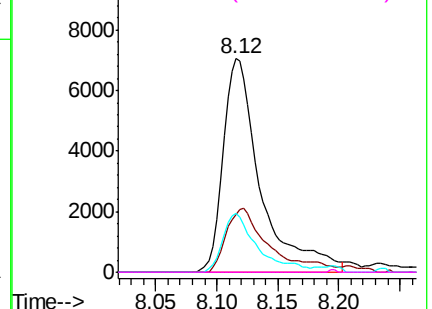
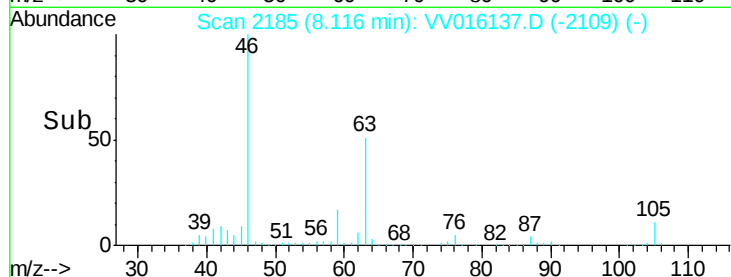
58 31.4 40.8 61.2#

57 25.7 14.7 22.1#

100 0.0 9.0 13.6#



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



#54

Ethylbenzene

Concen: 0.065 ug/L

RT: 9.04 min Scan# 2473

Delta R.T. 0.01 min

Lab File: VV016137.D

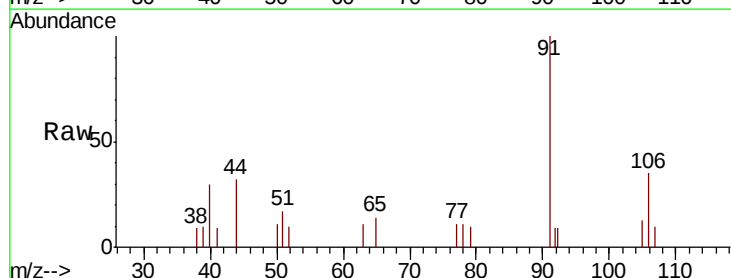
Acq: 20 May 2020 17:25

Tgt Ion: 91 Resp: 2629

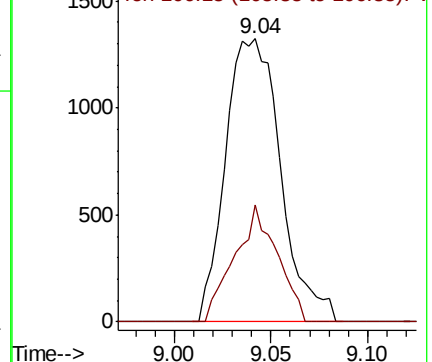
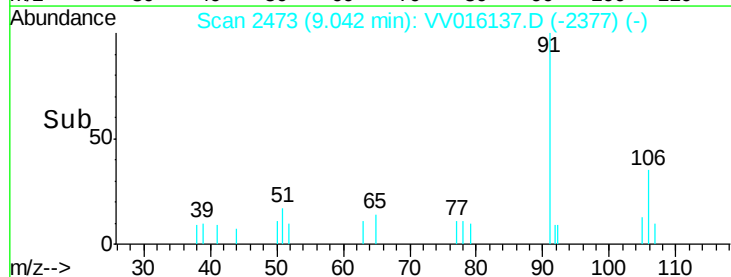
Ion Ratio Lower Upper

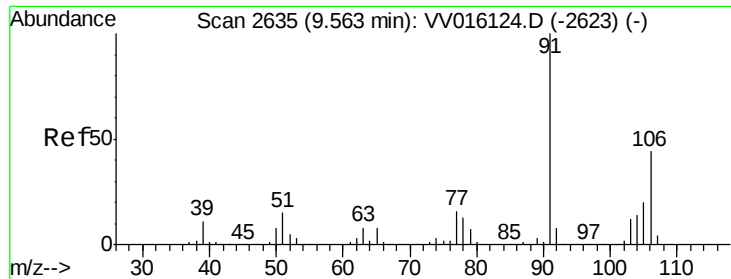
91 100

106 41.4 20.6 38.4#



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 106.15 (105.85 to 106.85): VV0

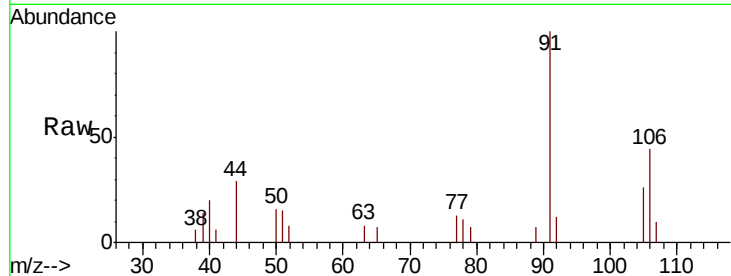




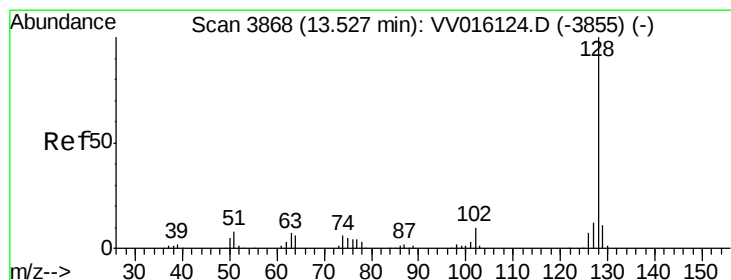
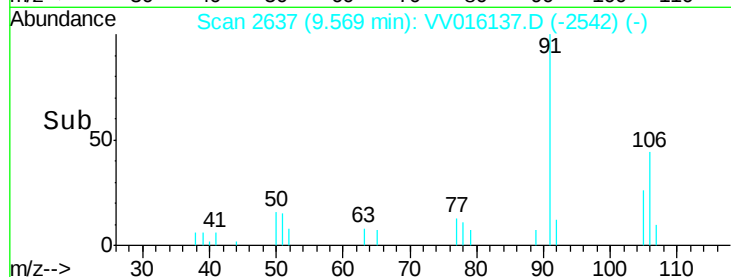
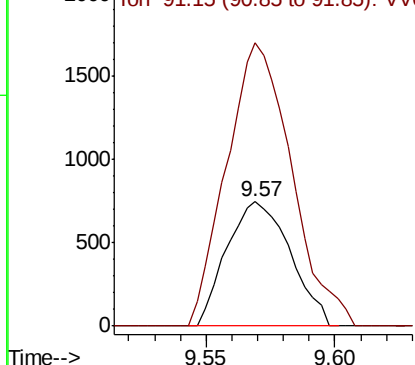
#56
o-xylene
Concen: 0.090 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV016137.D
Acq: 20 May 2020 17:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1285
Ion Ratio Lower Upper
106 100
91 227.1 159.7 296.5

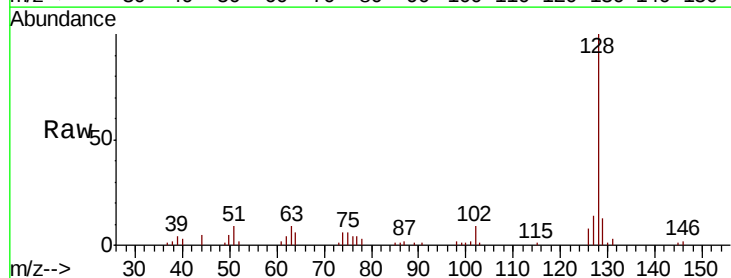


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#70
Naphthalene
Concen: 1.277 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. -0.00 min
Lab File: VV016137.D
Acq: 20 May 2020 17:25

Tgt Ion:128 Resp: 21277
Ion Ratio Lower Upper
128 100
129 11.8 8.5 12.7
127 13.5 10.2 15.2



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

