

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016223.D
 Acq On : 27 May 2020 13:14
 Operator : SY/MD
 Sample : L2754-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:21:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 01:17:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	96483	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	94110	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	42165	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26742	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	25122	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.13	63	38005	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.94	46	78338	50.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.94%
24) Chloroform-d	4.38	84	55256	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.06	65	31195	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.08	84	107631	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.10	67	33713	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.34	98	97421	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
45) trans-1,3-Dichloropropene-	7.65	79	11661	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
48) 2-Hexanone-d5	8.12	63	55328	44.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.74%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24144	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	35172	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

				Ovalue	
8) Chloroethane	1.60	64	894	0.189	ug/L # 42
13) Acetone	2.22	43	3309	3.478	ug/L 86
14) Carbon disulfide	2.31	76	1435	0.081	ug/L # 86
21) 2-Butanone	4.12	43	36377	21.493	ug/L # 57
22) cis-1,2-Dichloroethene	3.95	96	1073	0.146	ug/L 70
27) 1,2-Dichloroethane	5.07	62	727	0.089	ug/L # 79
33) Benzene	5.13	78	2706	0.100	ug/L 100
34) Trichloroethene	5.95	95	3209	0.455	ug/L 97
35) Methylcyclohexane	6.10	83	8447	0.710	ug/L # 17
37) 1,2-Dichloropropane	6.10	63	4407	0.663	ug/L # 88
39) cis-1,3-Dichloropropene	7.01	75	948	0.101	ug/L # 66
42) Toluene	7.42	91	3584	0.121	ug/L 96
46) trans-1,3-Dichloropropene	7.65	75	519	0.066	ug/L 85
49) Tetrachloroethene	8.00	164	11839	2.337	ug/L 97
51) Dibromochloromethane	8.00	129	11917	2.575	ug/L # 10
70) Naphthalene	13.53	128	2496	0.143	ug/L # 93

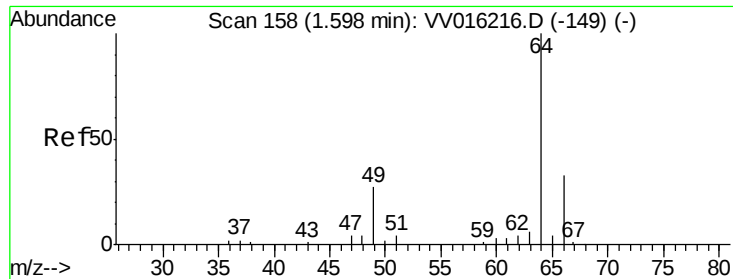
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
Data File : VV016223.D
Acq On : 27 May 2020 13:14
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 01:17:22 2020
Response via : Initial Calibration

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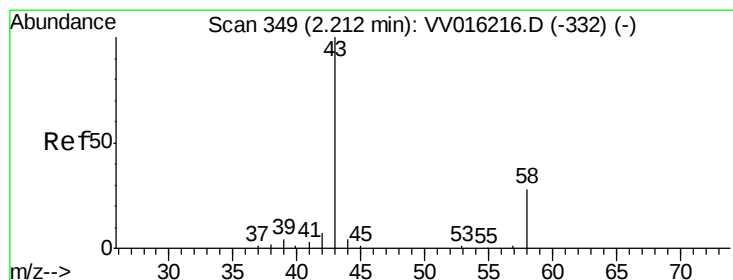
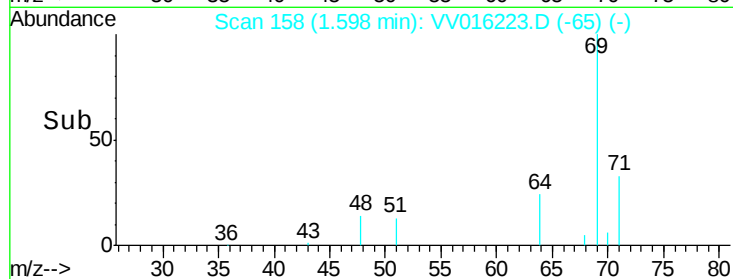
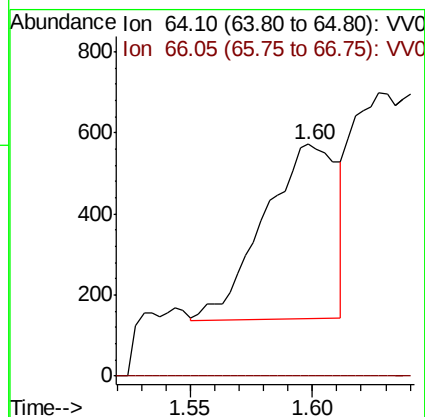
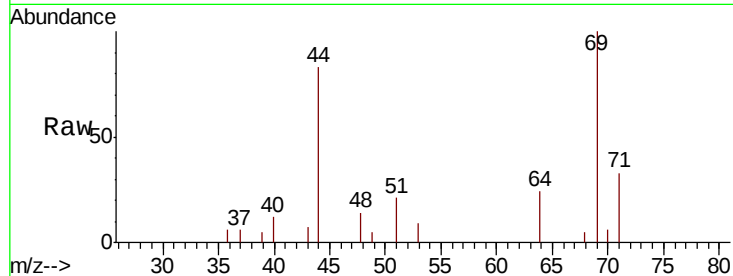
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 0.189 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV016223.D
Acq: 27 May 2020 13:14

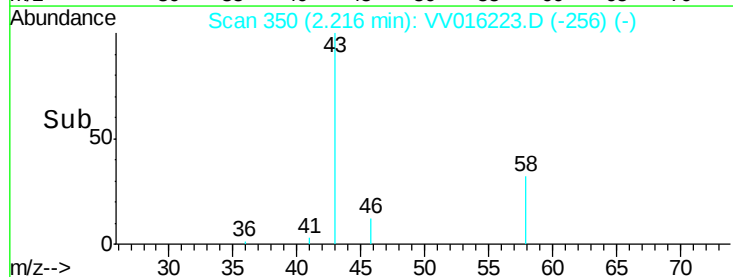
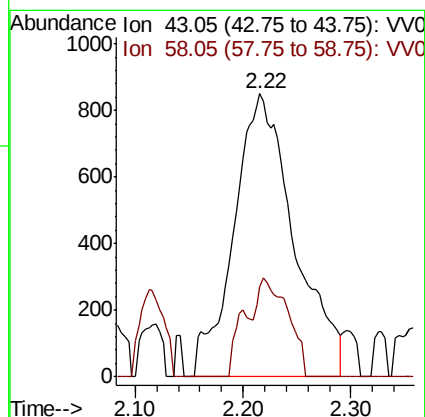
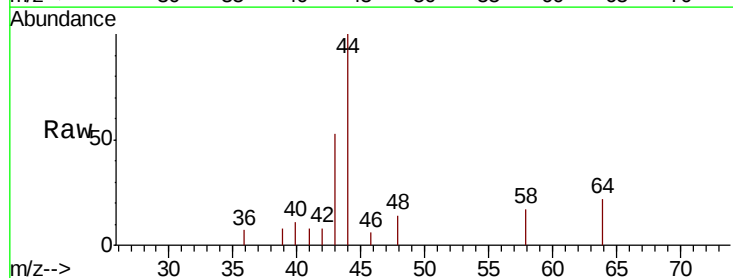
Instrument :
MSVOA_V
ClientSampleId :

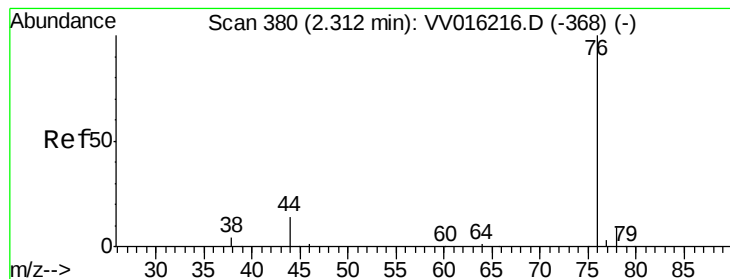
Tot Ion: 64 Resp: 894
Ion Ratio Lower Upper
64 100
66 0.0 22.9 42.5#



#13
Acetone
Concen: 3.478 ug/L
RT: 2.22 min Scan# 350
Delta R.T. 0.00 min
Lab File: VV016223.D
Acq: 27 May 2020 13:14

Tgt Ion: 43 Resp: 3309
Ion Ratio Lower Upper
43 100
58 17.5 0.0 48.8





#14

Carbon disulfide

Concen: 0.081 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016223.D

Acq: 27 May 2020 13:14

Instrument :

MSVOA_V

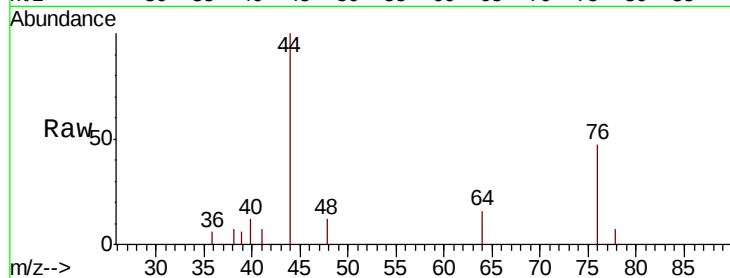
ClientSampled :

Tot Ion: 76 Resp: 1435

Ion Ratio Lower Upper

76 100

78 14.2 7.4 11.0#

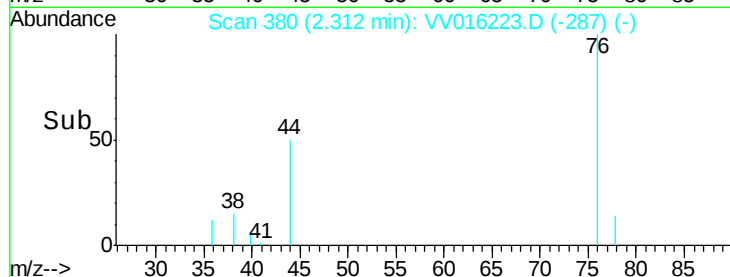


Abundance Ion 76.05 (75.75 to 76.75): VV0

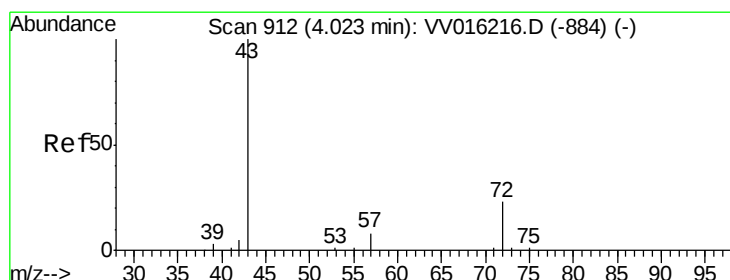
Ion 78.00 (77.70 to 78.70): VV0

2.31

2.35



Time-->



#21

2-Butanone

Concen: 21.493 ug/L

RT: 4.12 min Scan# 942

Delta R.T. 0.10 min

Lab File: VV016223.D

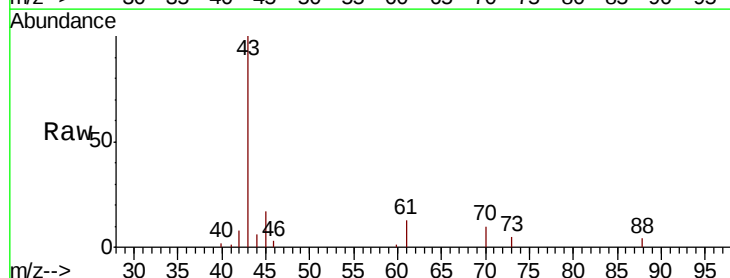
Acq: 27 May 2020 13:14

Tgt Ion: 43 Resp: 36377

Ion Ratio Lower Upper

43 100

72 0.0 9.7 28.9#

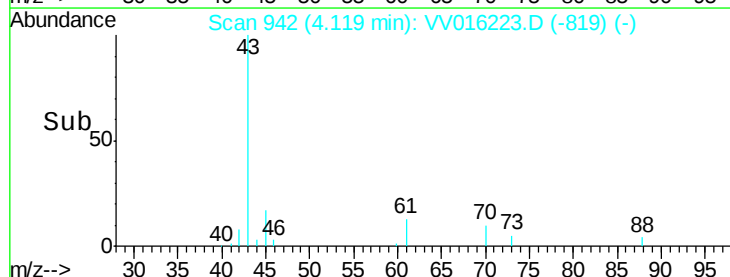


Abundance Ion 43.00 (42.70 to 43.70): VV0

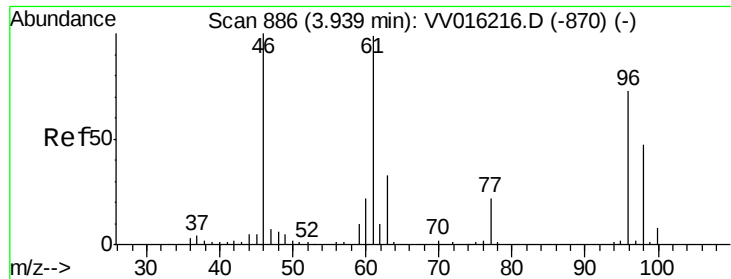
Ion 72.00 (71.70 to 72.70): VV0

4.12

4.20



Time-->

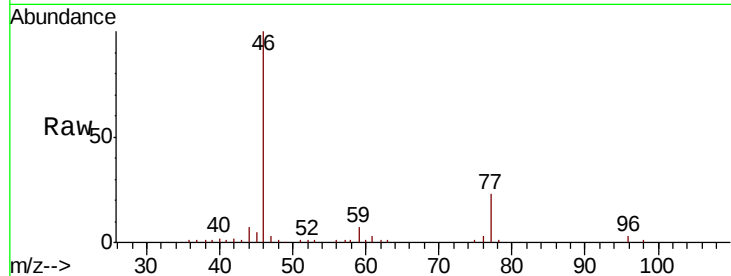


#22

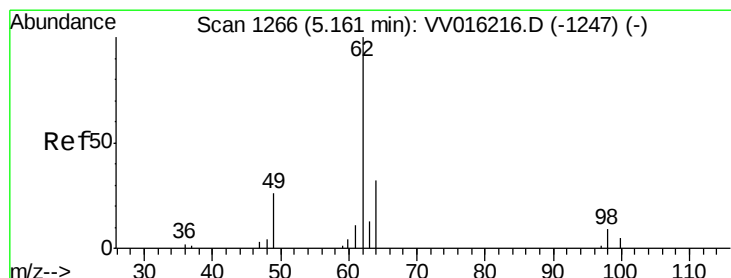
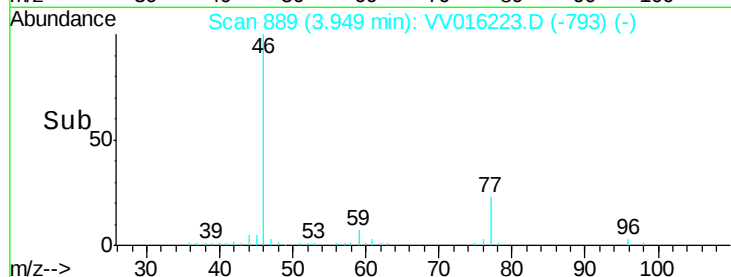
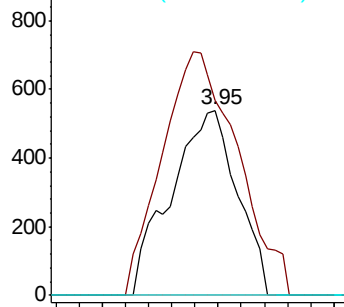
cis-1,2-Dichloroethene
 Concen: 0.146 ug/L
 RT: 3.95 min Scan# 889
 Delta R.T. 0.01 min
 Lab File: VV016223.D
 Acq: 27 May 2020 13:14

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 1073
 Ion Ratio Lower Upper
 96 100
 61 105.0 99.7 185.1
 68 0.0 0.0 0.0



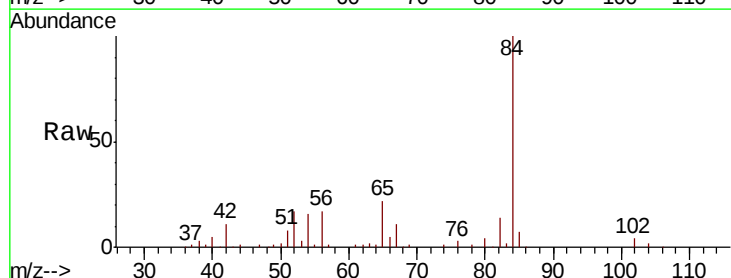
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



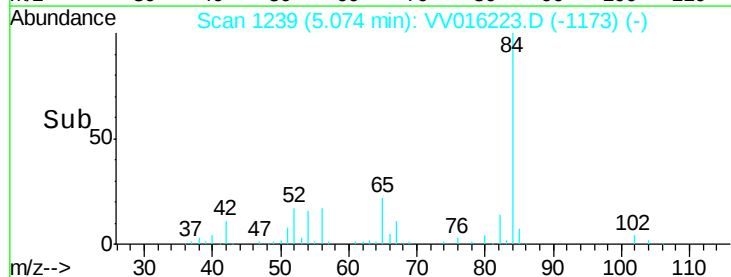
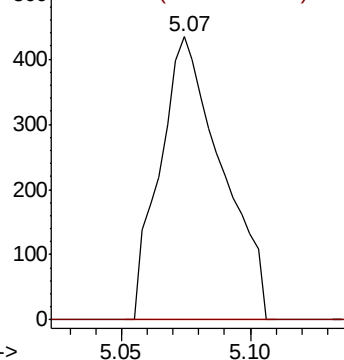
#27

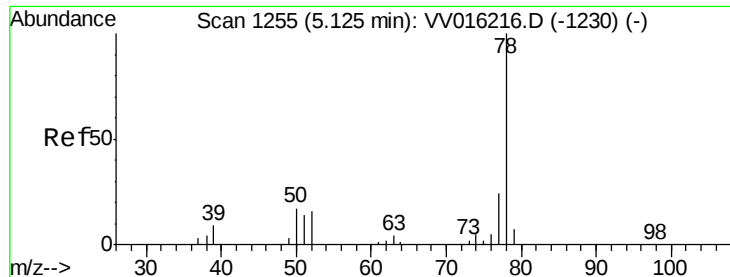
1,2-Dichloroethane
 Concen: 0.089 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.09 min
 Lab File: VV016223.D
 Acq: 27 May 2020 13:14

Tgt Ion: 62 Resp: 727
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0





#33

Benzene

Concen: 0.100 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV016223.D

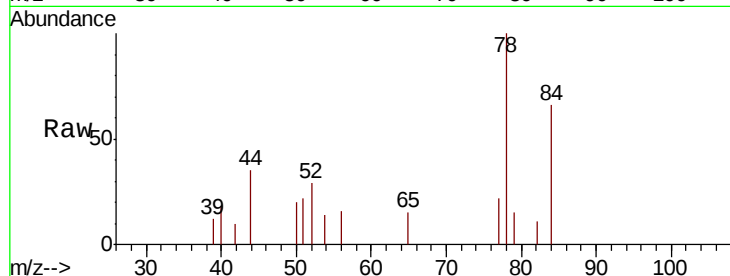
Acq: 27 May 2020 13:14

Instrument :

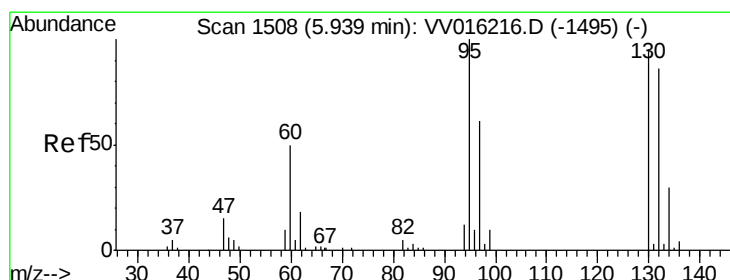
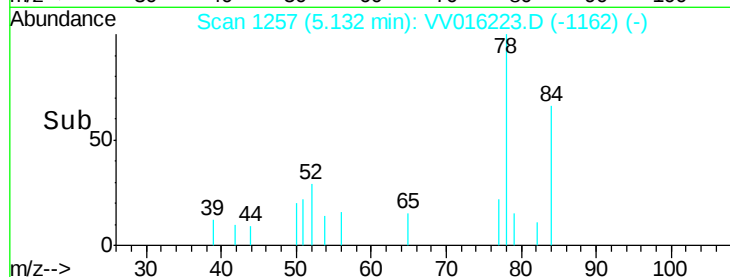
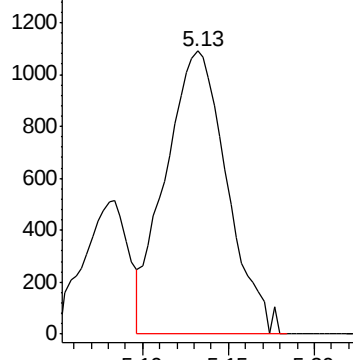
MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 2706



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.455 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV016223.D

Acq: 27 May 2020 13:14

Tgt Ion: 95 Resp: 3209

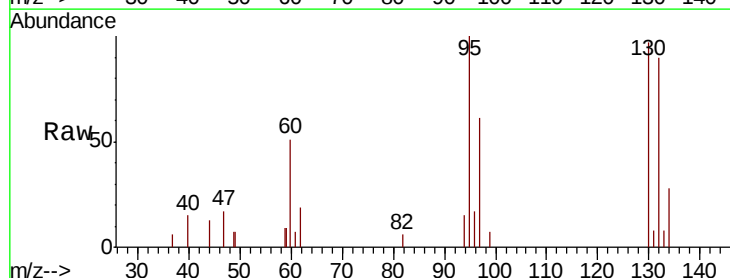
Ion Ratio Lower Upper

95 100

97 60.8 43.6 81.0

132 89.6 63.9 118.7

130 97.0 65.2 121.0

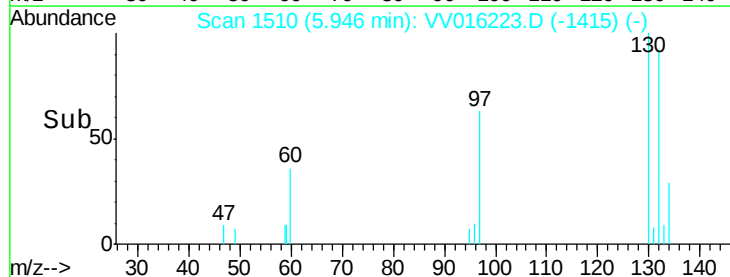
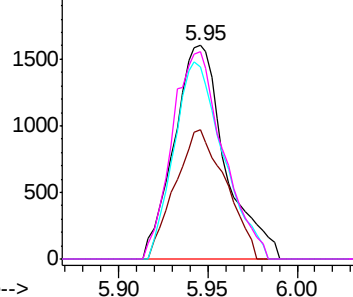


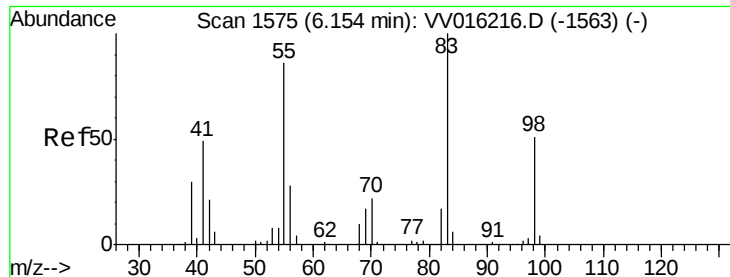
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

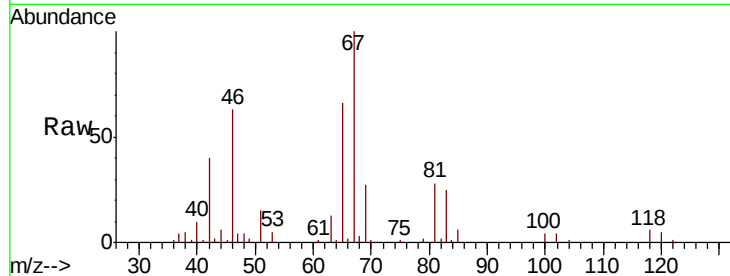




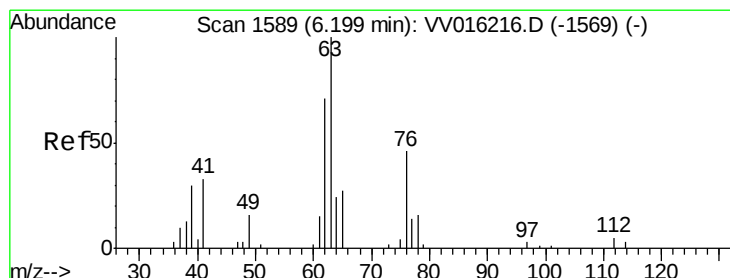
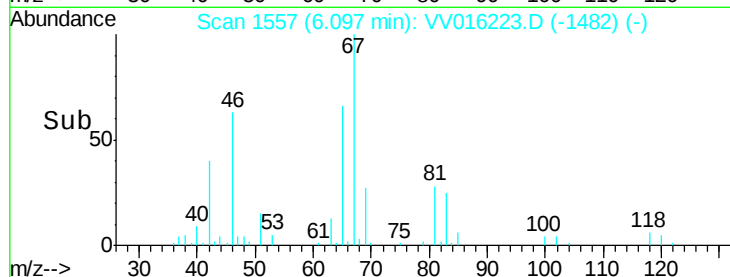
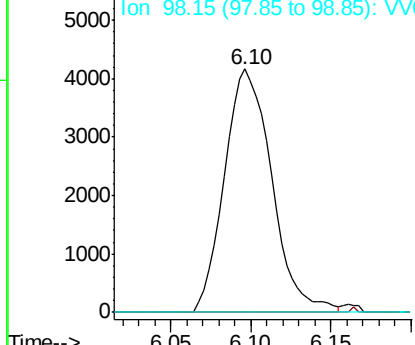
#35
Methvlcvclohexane
Concen: 0.710 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016223.D
Acq: 27 May 2020 13:14

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 8447
Ion Ratio Lower Upper
83 100
55 0.2 65.4 98.0#
98 1.2 39.3 58.9#

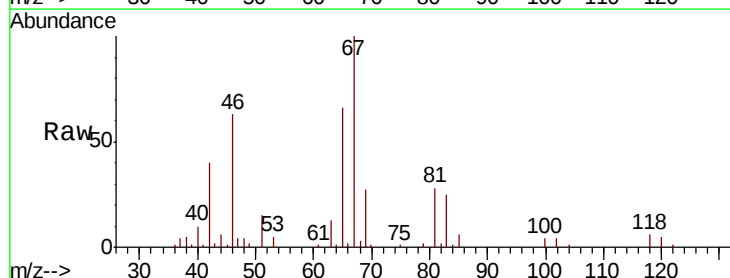


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

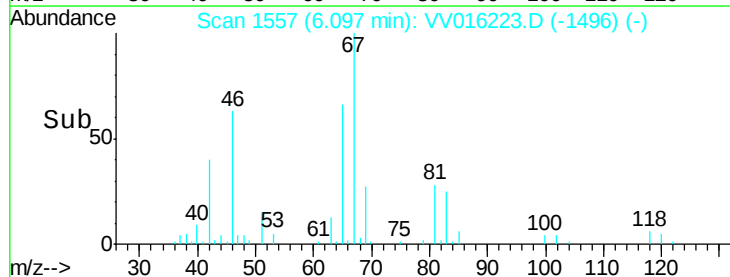
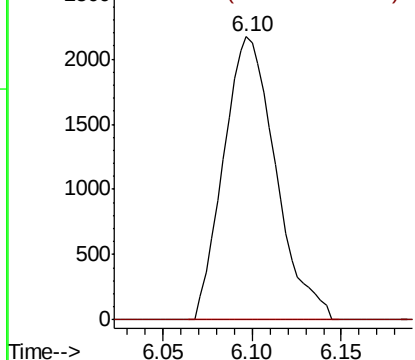


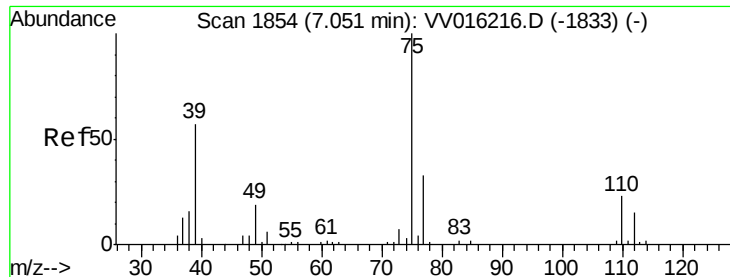
#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016223.D
Acq: 27 May 2020 13:14

Tgt Ion: 63 Resp: 4407
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

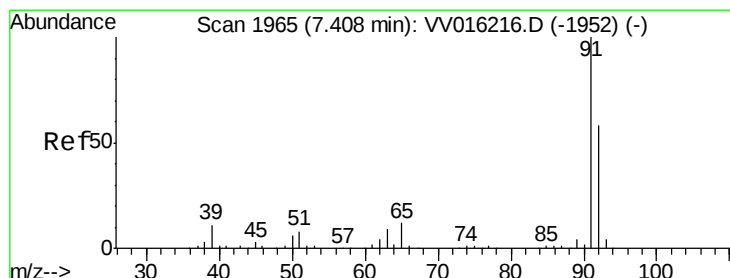
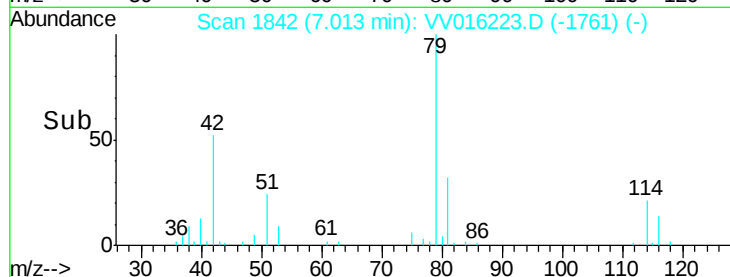
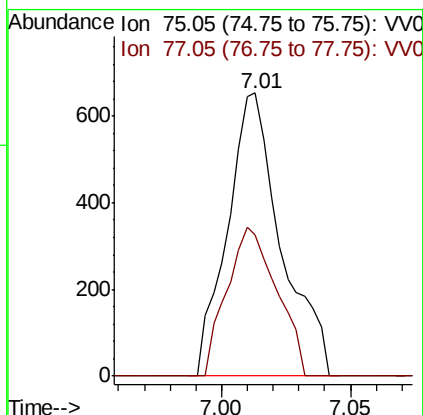
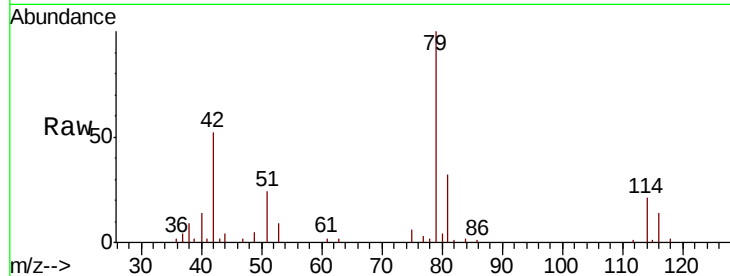




#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016223.D
 Acq: 27 May 2020 13:14

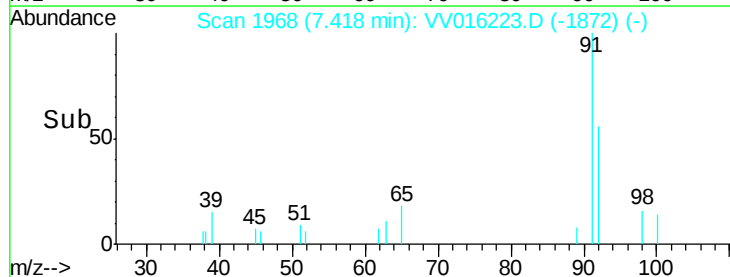
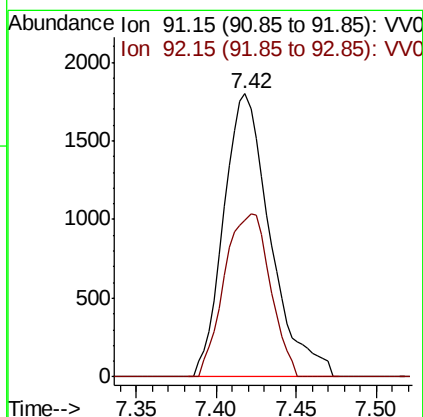
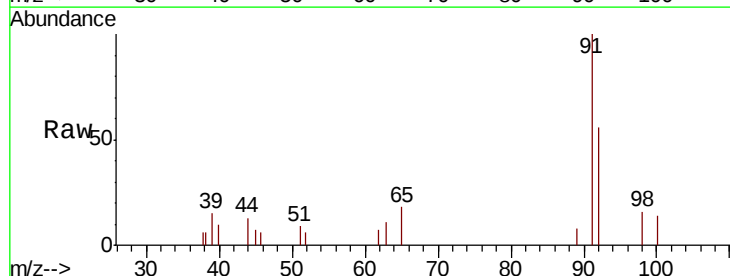
Instrument :
 MSVOA_V
 ClientSampleId :

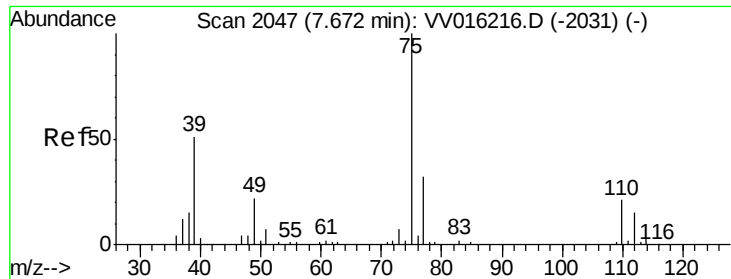
Tot Ion: 75 Resp: 948
 Ion Ratio Lower Upper
 75 100
 77 49.8 21.7 40.3#



#42
 Toluene
 Concen: 0.121 ug/L
 RT: 7.42 min Scan# 1968
 Delta R.T. 0.01 min
 Lab File: VV016223.D
 Acq: 27 May 2020 13:14

Tgt Ion: 91 Resp: 3584
 Ion Ratio Lower Upper
 91 100
 92 55.5 40.9 76.0





#46

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.02 min

Lab File: VV016223.D

Acq: 27 May 2020 13:14

Instrument :

MSVOA_V

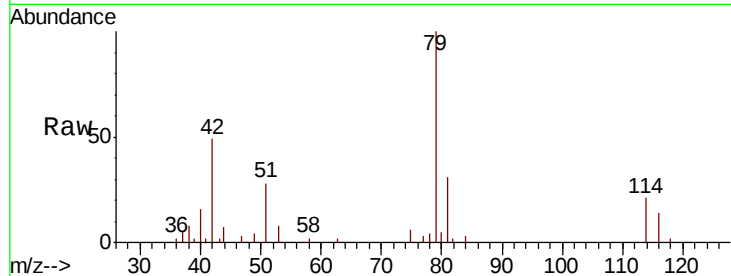
ClientSampleId :

Tot Ion: 75 Resp: 519

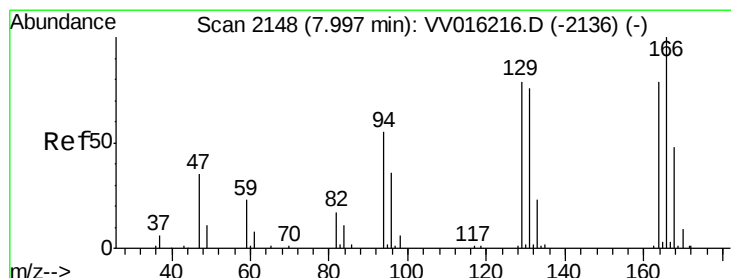
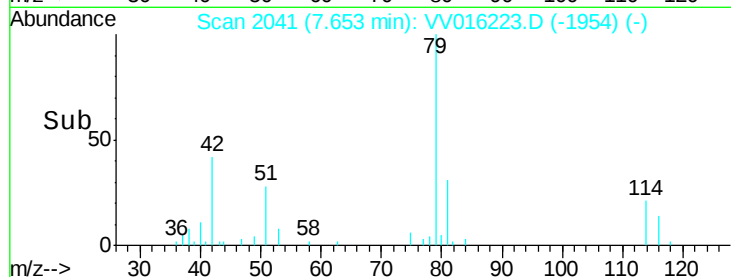
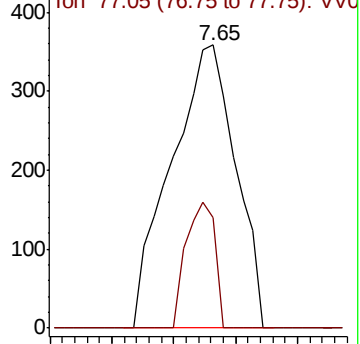
Ion Ratio Lower Upper

75 100

77 39.1 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VV016223.D (-1954) (-)



#49

Tetrachloroethene

Concen: 2.337 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016223.D

Acq: 27 May 2020 13:14

Tgt Ion:164 Resp: 11839

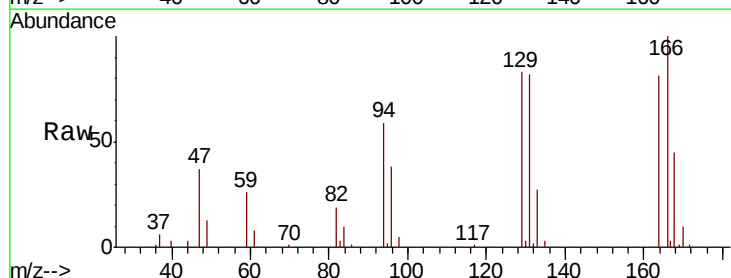
Ion Ratio Lower Upper

164 100

129 102.6 70.7 131.3

131 101.3 66.6 123.8

166 123.6 86.9 161.5

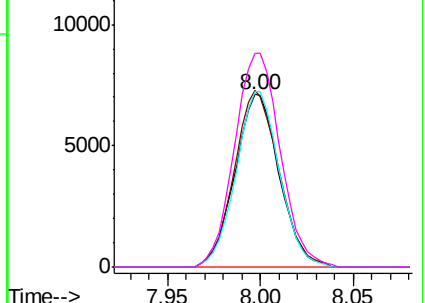
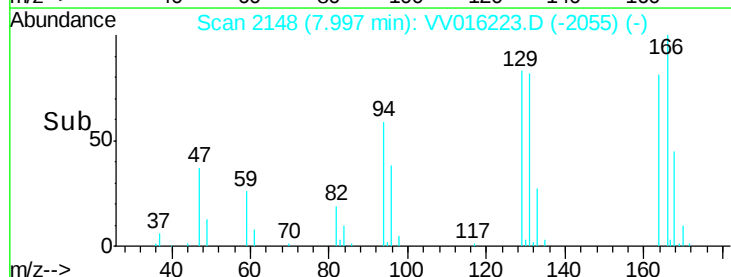


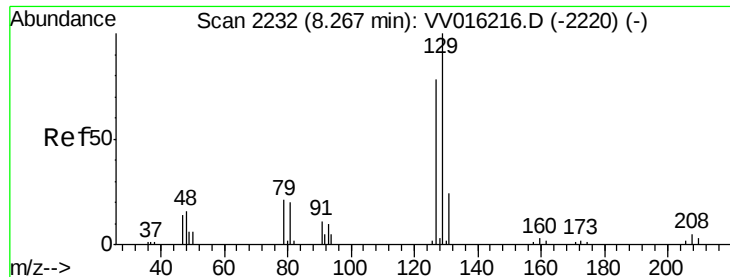
Abundance Ion 163.90 (163.60 to 164.60): VV016223.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV016223.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV016223.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV016223.D (-2055) (-)





#51

Dibromochloromethane

Concen: 2.575 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016223.D

Acq: 27 May 2020 13:14

Instrument :

MSVOA_V

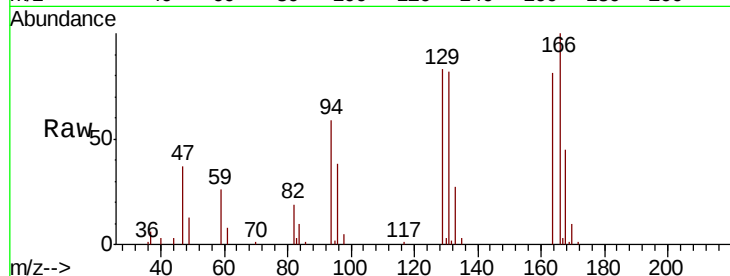
ClientSampleId :

Tot Ion:129 Resp: 11917

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.00

6000

4000

2000

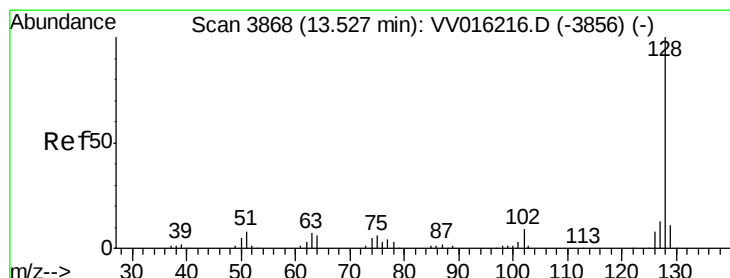
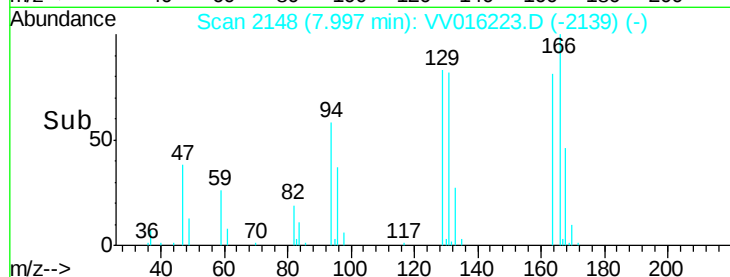
0

Time-->

7.95

8.00

8.05



#70

Naphthalene

Concen: 0.143 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016223.D

Acq: 27 May 2020 13:14

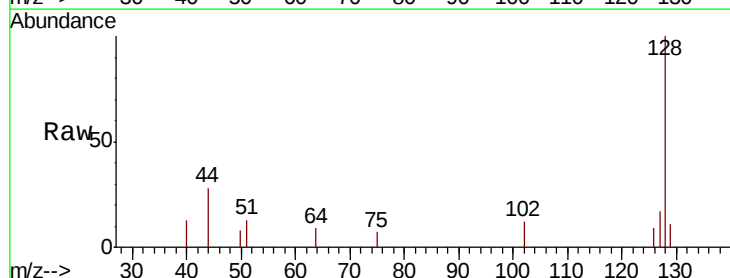
Tgt Ion:128 Resp: 2496

Ion Ratio Lower Upper

128 100

129 6.8 8.6 13.0#

127 14.7 10.6 15.8



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

13.53

2000

1500

1000

500

0

Time-->

13.50

13.55

