

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\
 Data File : VW015593.D
 Acq On : 11 Jun 2020 17:25
 Operator : SY/VA
 Sample : L2959-10
 Misc : 4.94G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K4

Quant Time: Jun 12 05:05:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:02:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	365643	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	337621	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153586	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	110061	32.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	131.40%
7) Chloroethane-d5	2.90	69	89418	26.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.32%
10) 1,1-Dichloroethene-d2	4.01	63	160200	19.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.48%
20) 2-Butanone-d5	7.08	46	55315	50.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.12%
24) Chloroform-d	7.65	84	206842	24.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.84%
26) 1,2-Dichloroethane-d4	8.31	65	124282	26.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.68%
29) Benzene-d6	8.28	84	413807	24.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.96%
33) 1,2-Dichloropropane-d6	9.27	67	123966	24.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.56%
37) Toluene-d8	10.33	98	380162	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.48%
38) trans-1,3-Dichloropropene-	10.58	79	50811	21.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.32%
39) 2-Hexanone-d5	10.93	63	43874	50.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94786	25.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	125030	24.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.16%

Target Compounds

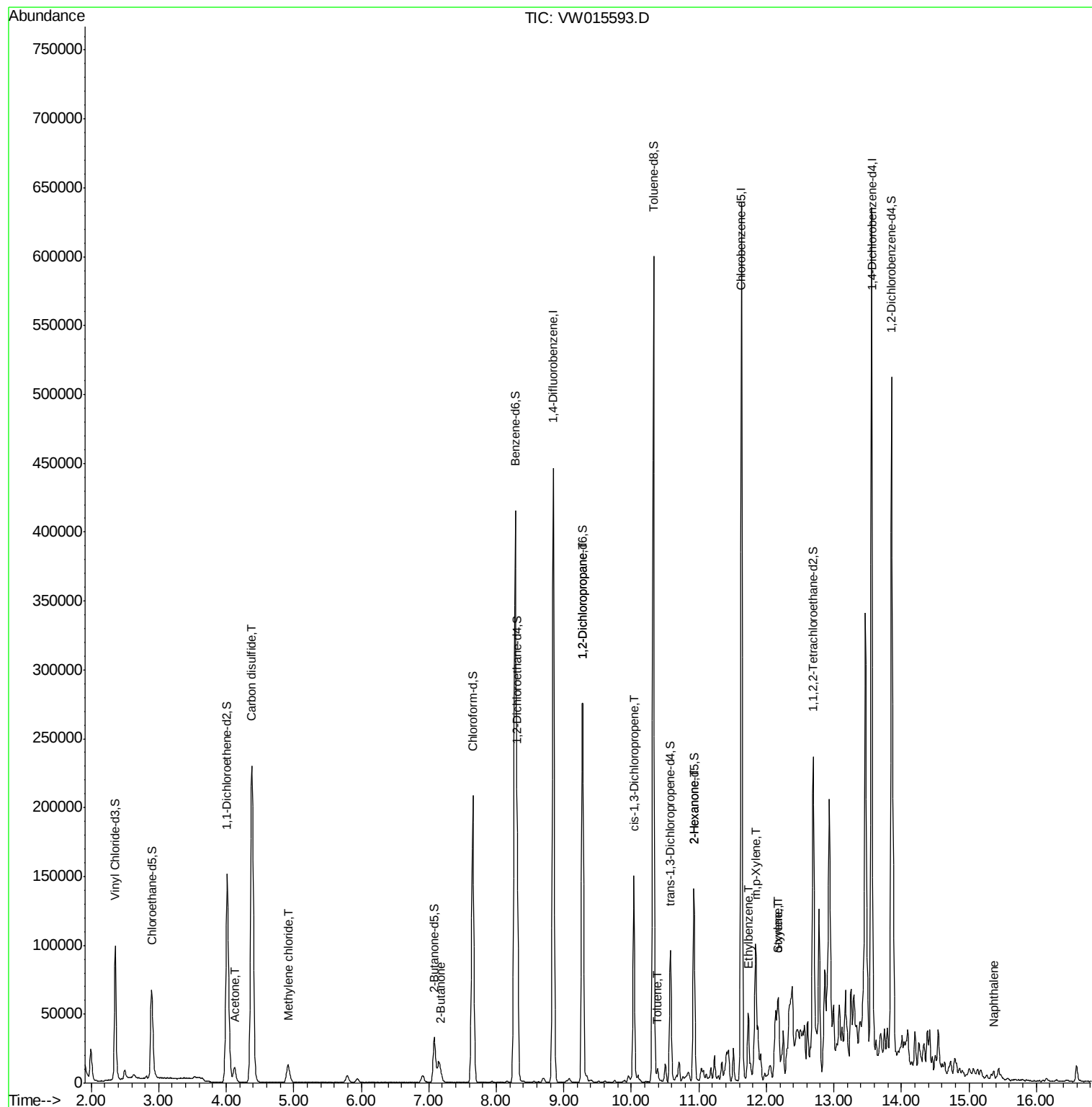
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	19283	22.801	ug/L	98
14) Carbon disulfide	4.38	76	502714	34.563	ug/L	100
16) Methylene chloride	4.92	84	10381	2.313	ug/L	95
21) 2-Butanone	7.18	43	7051	5.427	ug/L	100
40) 1,2-Dichloropropane	9.27	63	15131	3.254	ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	3911	0.526	ug/L #	68
44) Toluene	10.39	91	6399	0.311	ug/L	99
49) 2-Hexanone	10.93	43	9322	5.067	ug/L #	49
53) Ethylbenzene	11.73	91	32900	1.393	ug/L	94
54) m,p-Xylene	11.84	106	16485	1.860	ug/L	97
55) o-xylene	12.17	106	8265	0.982	ug/L	91
56) Styrene	12.18	104	15272	1.062	ug/L	97
69) Naphthalene	15.37	128	4815	0.506	ug/L	97

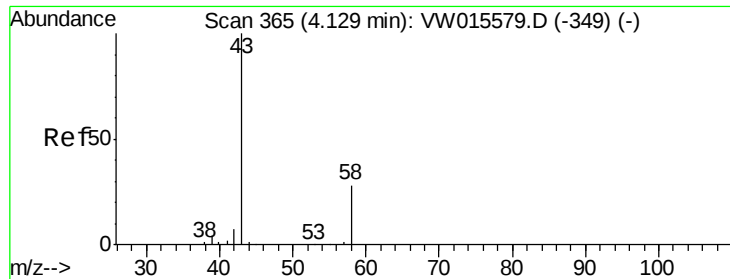
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061120\
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Acq On : 11 Jun 2020 17:25
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Misc : 4.94G/10ML/MSVOA W/SOIL
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BG2K4

Quant Time: Jun 12 05:05:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 12 05:02:36 2020
Response via : Initial Calibration





#13

Acetone

Concen: 22.801 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015593.D

Acq: 11 Jun 2020 17:25

Instrument :

MSVOA_W

ClientSampleId :

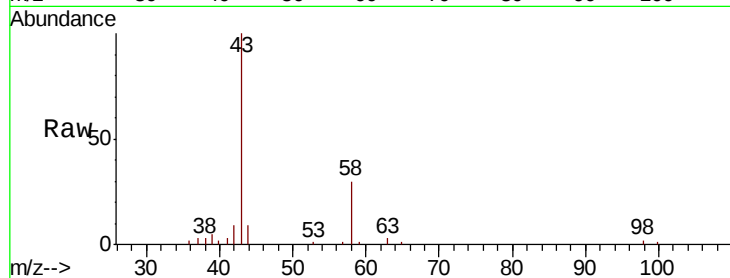
BG2K4

Tot Ion: 43 Resp: 19283

Ion Ratio Lower Upper

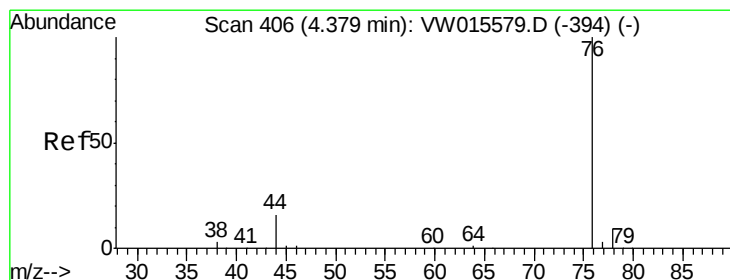
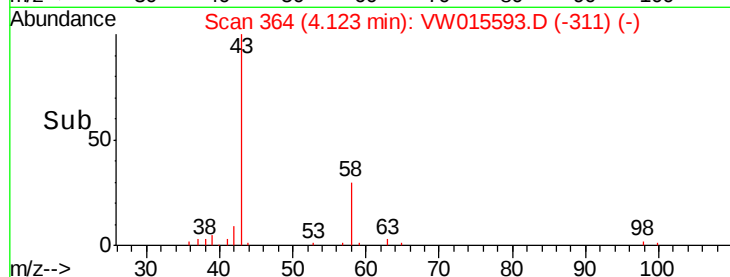
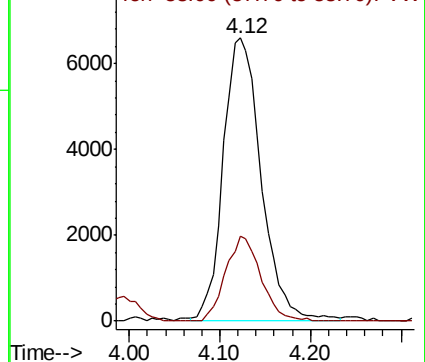
43 100

58 27.6 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 34.563 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015593.D

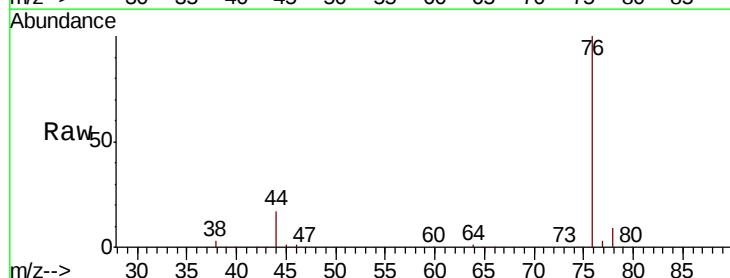
Acq: 11 Jun 2020 17:25

Tgt Ion: 76 Resp: 502714

Ion Ratio Lower Upper

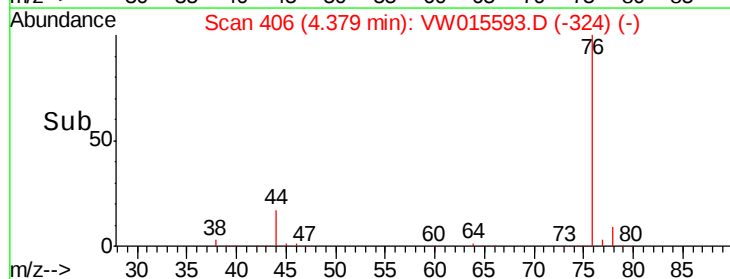
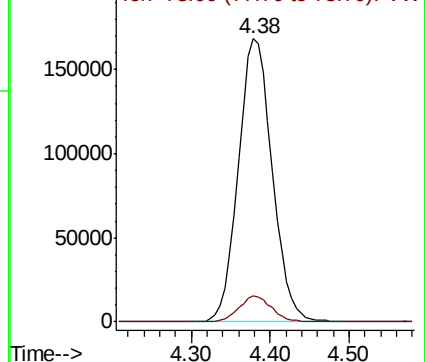
76 100

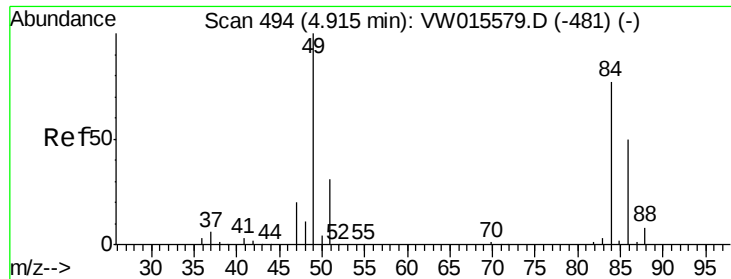
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

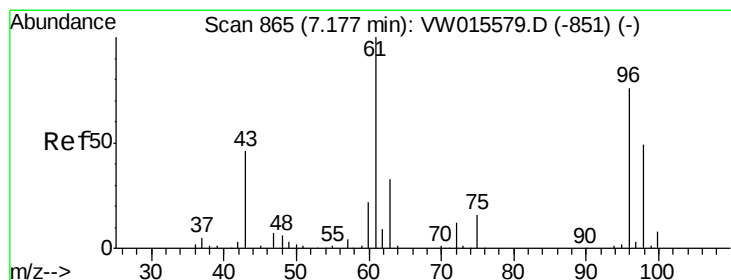
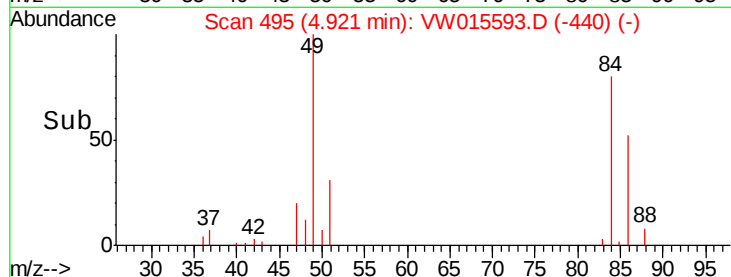
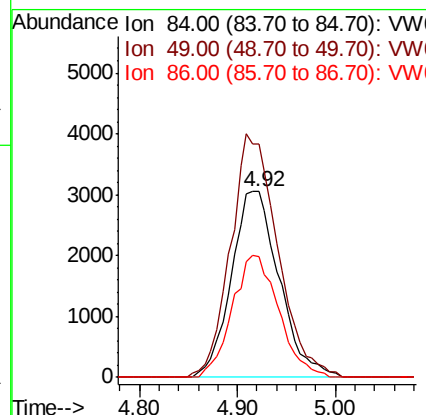
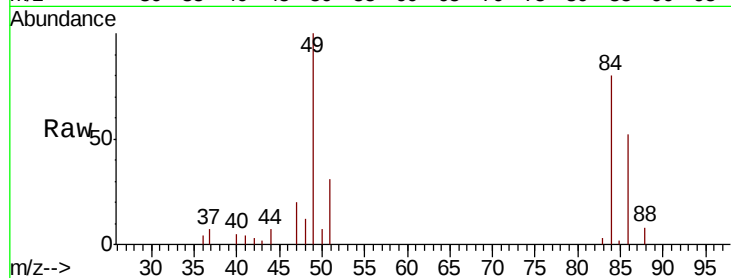




#16
Methylene chloride
Concen: 2.313 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015593.D
Acq: 11 Jun 2020 17:25

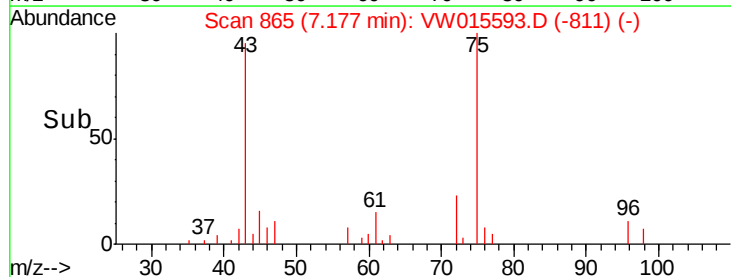
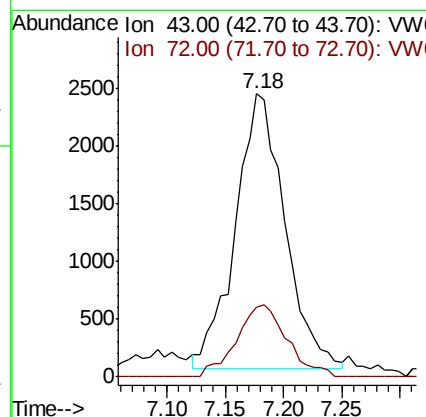
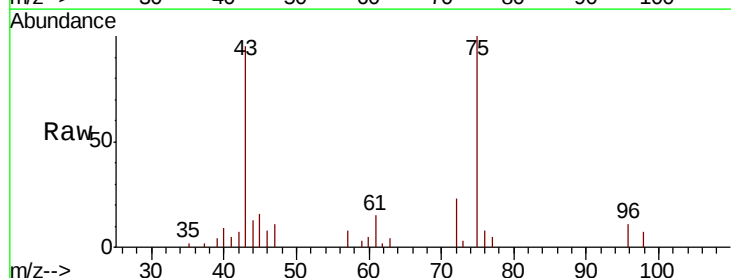
Instrument :
MSVOA_W
ClientSampleId :
BG2K4

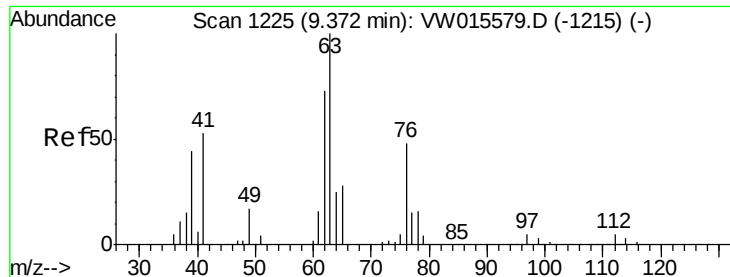
Tot Ion: 84 Resp: 10381
Ion Ratio Lower Upper
84 100
49 125.4 93.0 172.8
86 64.7 44.7 83.1



#21
2-Butanone
Concen: 5.427 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW015593.D
Acq: 11 Jun 2020 17:25

Tgt Ion: 43 Resp: 7051
Ion Ratio Lower Upper
43 100
72 26.5 13.3 39.9





#40

1,2-Dichloropropane

Concen: 3.254 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW015593.D

Acq: 11 Jun 2020 17:25

Instrument :

MSVOA_W

ClientSampleId :

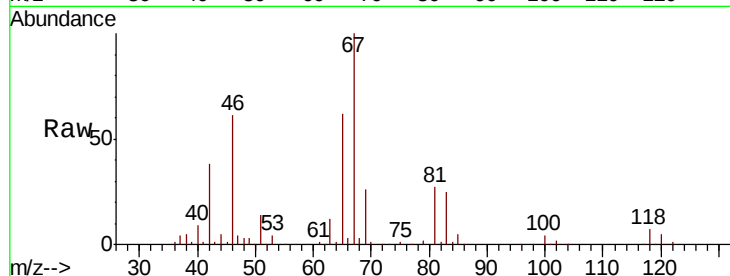
BG2K4

Tot Ion: 63 Resp: 15131

Ion Ratio Lower Upper

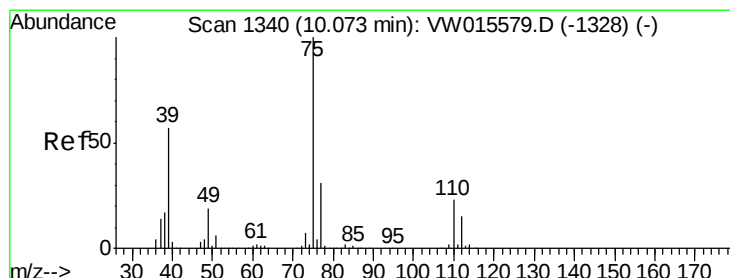
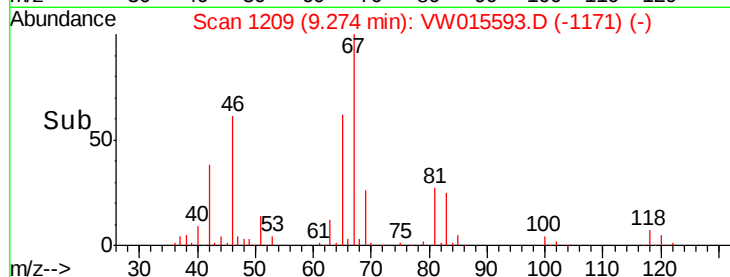
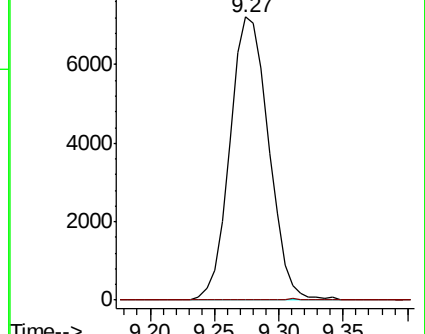
63 100

112 0.8 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.526 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015593.D

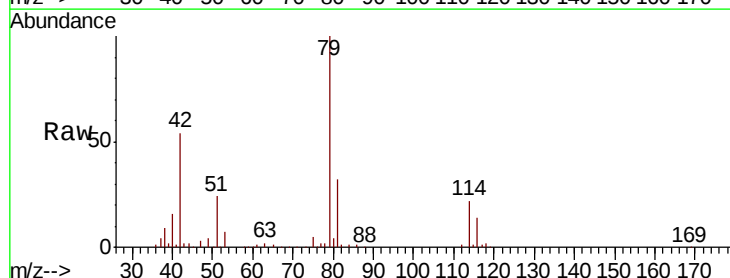
Acq: 11 Jun 2020 17:25

Tgt Ion: 75 Resp: 3911

Ion Ratio Lower Upper

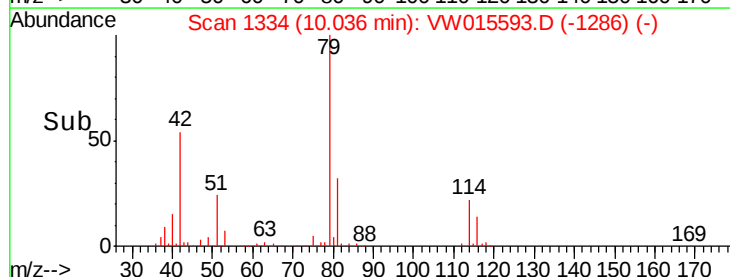
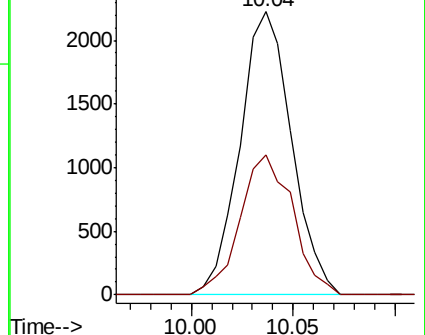
75 100

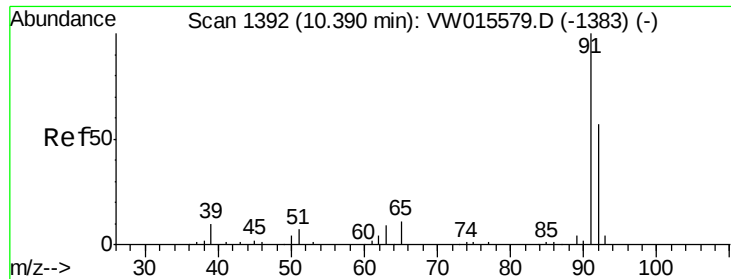
77 49.5 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.311 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015593.D

Acq: 11 Jun 2020 17:25

Instrument :

MSVOA_W

ClientSampleId :

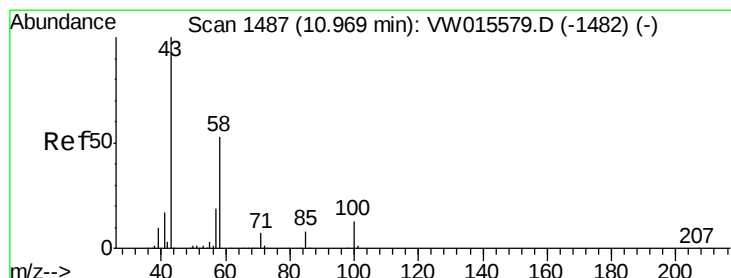
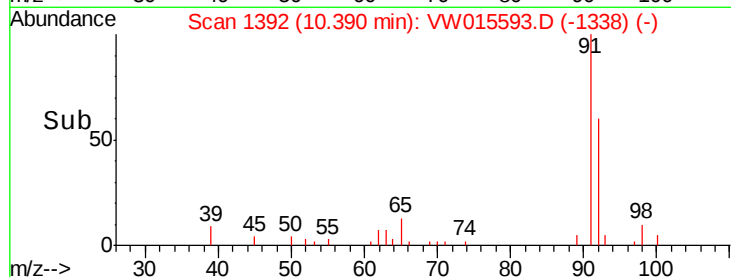
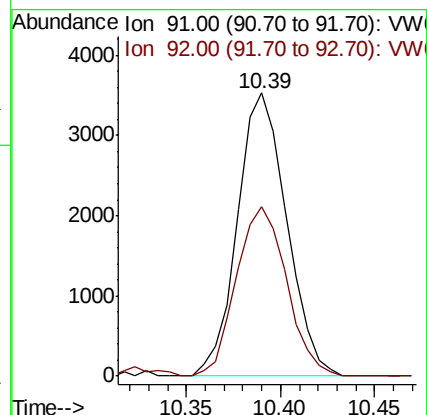
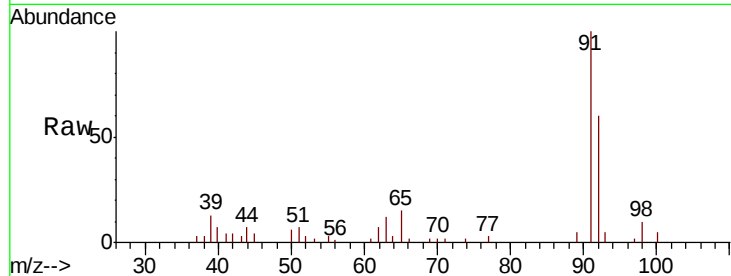
BG2K4

Tot Ion: 91 Resp: 6399

Ion Ratio Lower Upper

91 100

92 60.0 41.7 77.5



#49

2-Hexanone

Concen: 5.067 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW015593.D

Acq: 11 Jun 2020 17:25

Tgt Ion: 43 Resp: 9322

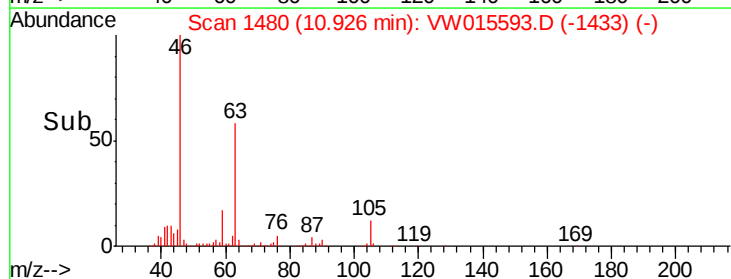
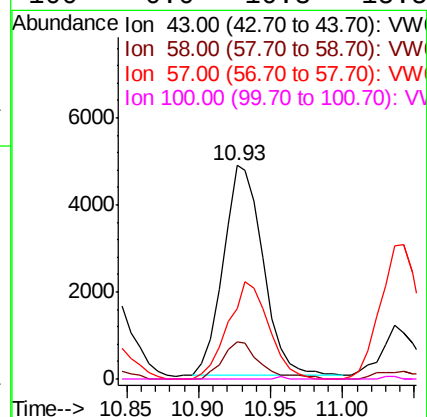
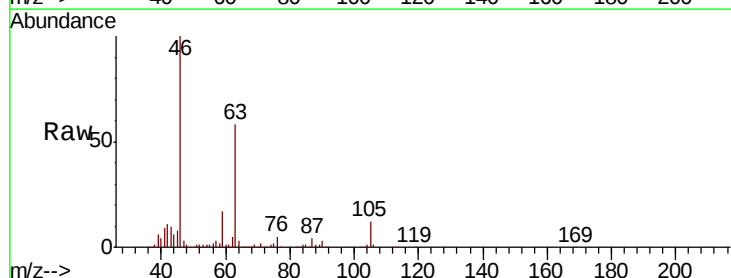
Ion Ratio Lower Upper

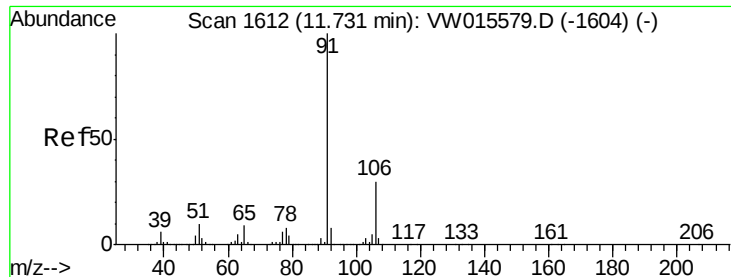
43 100

58 15.9 42.6 64.0#

57 47.3 15.5 23.3#

100 0.0 10.3 15.5#





#53

Ethylbenzene

Concen: 1.393 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015593.D

Acq: 11 Jun 2020 17:25

Instrument :

MSVOA_W

ClientSampleId :

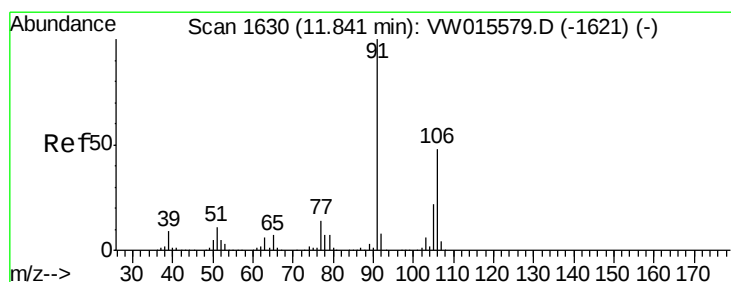
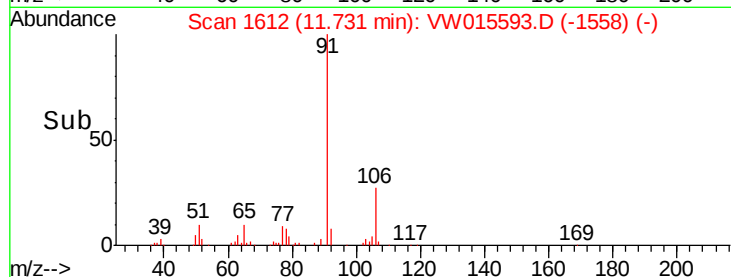
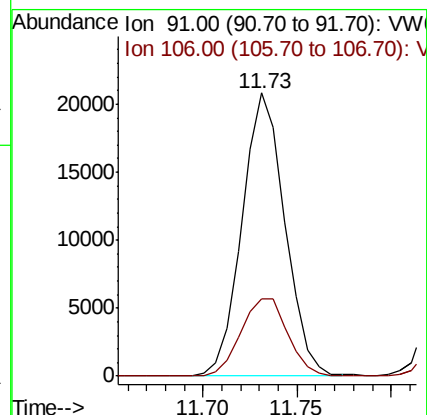
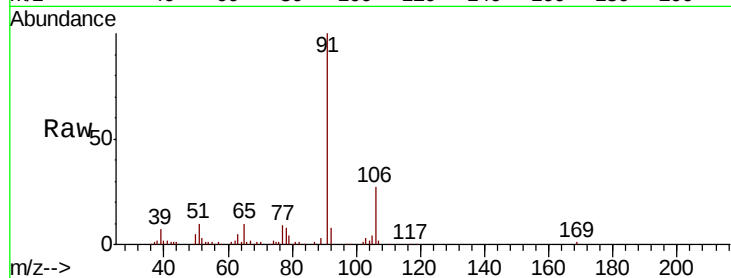
BG2K4

Tot Ion: 91 Resp: 32900

Ion Ratio Lower Upper

91 100

106 27.4 21.3 39.6



#54

m,p-Xylene

Concen: 1.860 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015593.D

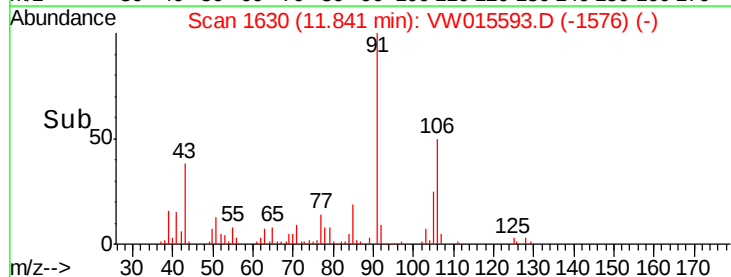
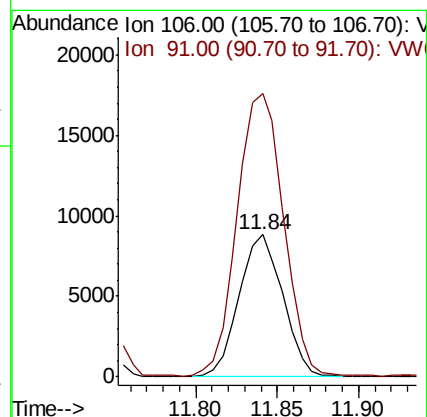
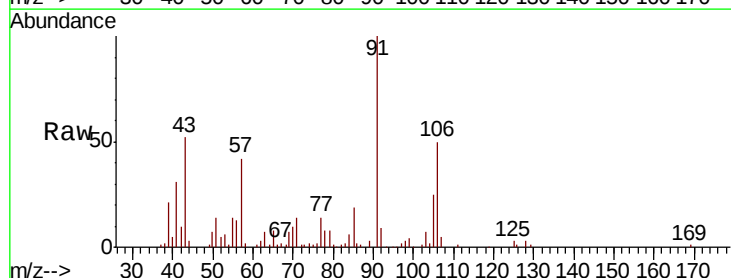
Acq: 11 Jun 2020 17:25

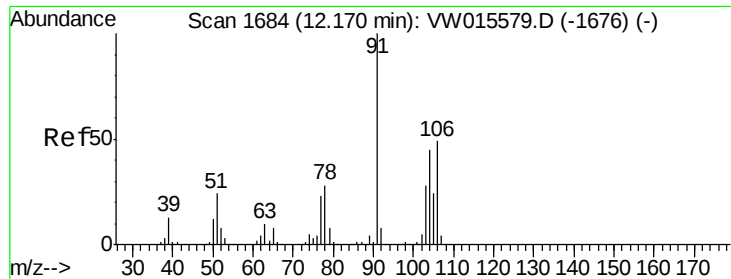
Tgt Ion:106 Resp: 16485

Ion Ratio Lower Upper

106 100

91 199.2 142.6 264.8

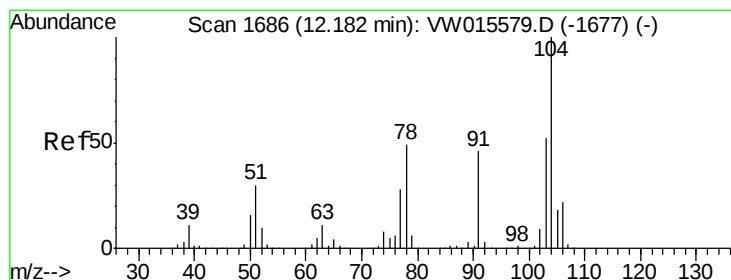
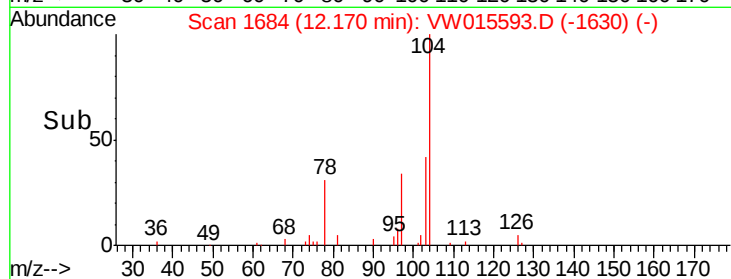
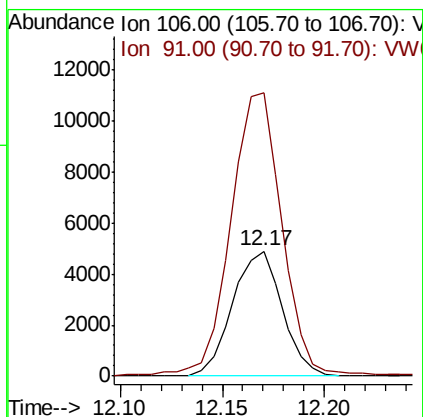
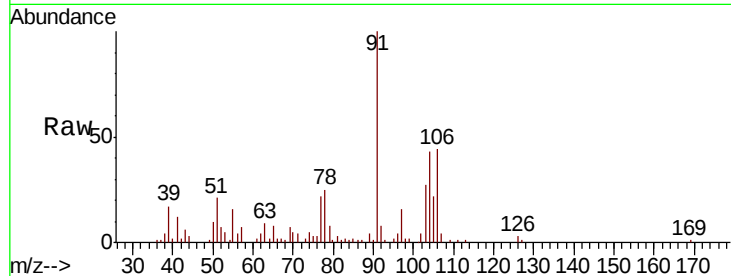




#55
o-xylene
Concen: 0.982 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015593.D
Acq: 11 Jun 2020 17:25

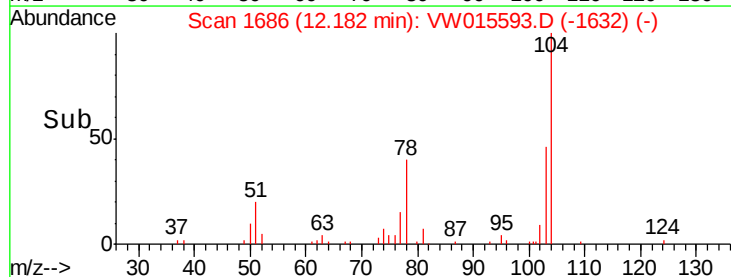
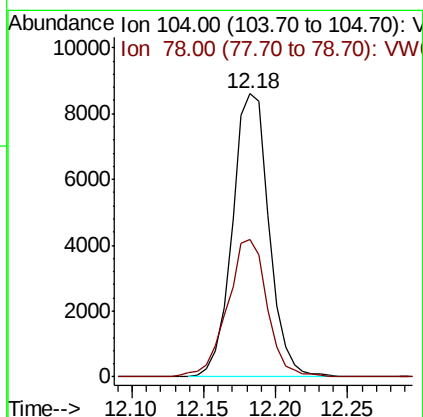
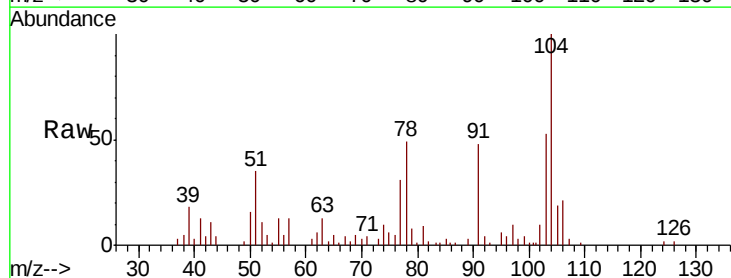
Instrument :
MSVOA_W
ClientSampled :
BG2K4

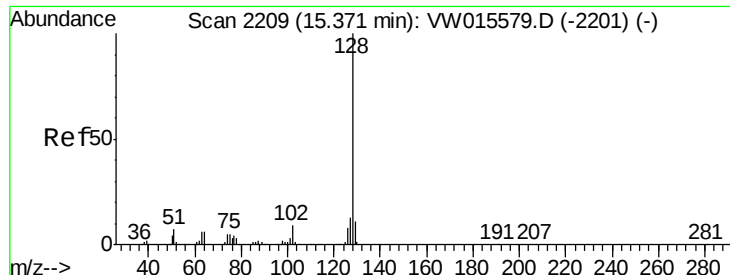
Tot Ion:106 Resp: 8265
Ion Ratio Lower Upper
106 100
91 226.5 149.0 276.6



#56
Styrene
Concen: 1.062 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015593.D
Acq: 11 Jun 2020 17:25

Tgt Ion:104 Resp: 15272
Ion Ratio Lower Upper
104 100
78 48.8 32.9 61.1





#69

Naphthalene

Concen: 0.506 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015593.D

Acq: 11 Jun 2020 17:25

Instrument :

MSVOA_W

ClientSampleId :

BG2K4

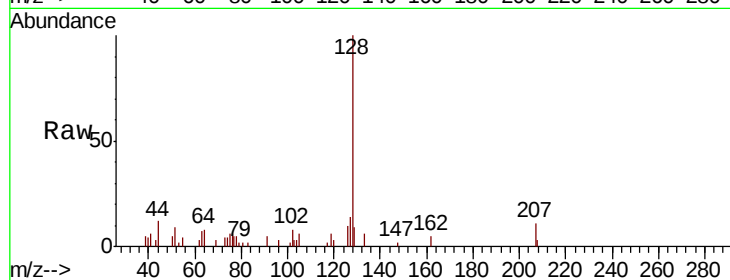
Tot Ion:128 Resp: 4815

Ion Ratio Lower Upper

128 100

129 12.5 8.6 12.8

127 14.0 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

