

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031030.D
 Acq On : 10 Apr 2019 22:37
 Operator : JC/SP
 Sample : K2254-08ME
 Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC29ME

Quant Time: Apr 11 05:24:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	671396	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	713316	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	383343	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	169742	28.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	56.64%#
7) Chloroethane-d5	1.64	69	147413	32.41	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.82%#
11) 1,1-Dichloroethene-d2	2.24	63	274754	25.35	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.70%#
21) 2-Butanone-d5	4.18	46	468949	98.72	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.72%
24) Chloroform-d	4.64	84	352703	38.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.04%
26) 1,2-Dichloroethane-d4	5.30	65	264800	42.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.78%
32) Benzene-d6	5.33	84	705412	33.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.76%#
36) 1,2-Dichloropropane-d6	6.32	67	262445	36.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.56%
41) Toluene-d8	7.56	98	658627	35.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.36%#
43) trans-1,3-Dichloropropene-	7.85	79	121916	37.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.92%
47) 2-Hexanone-d5	8.32	63	326714	100.17	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.17%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	456527	47.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	313250	41.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.10%

Target Compounds

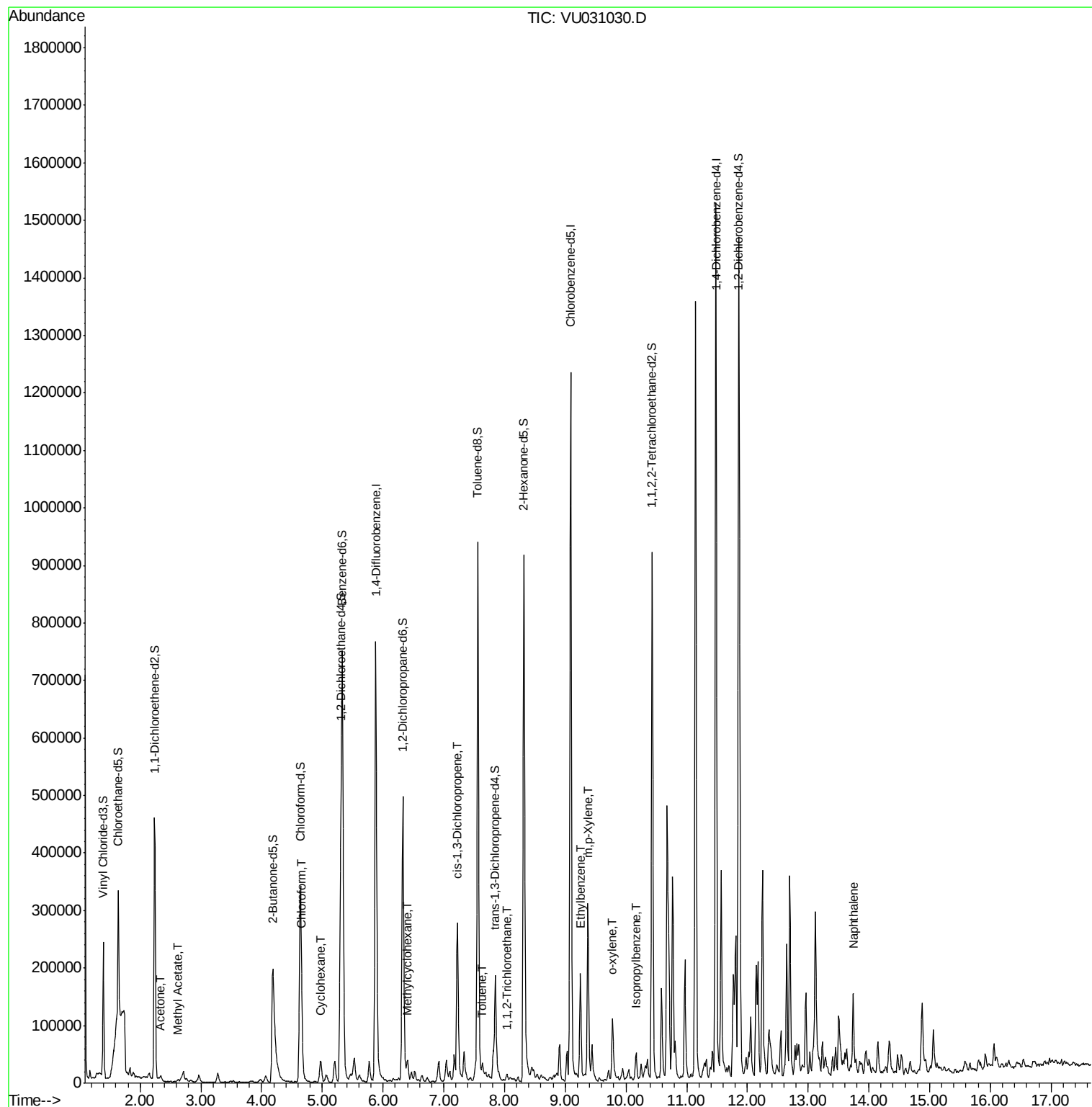
					Ovalue
13) Acetone	2.33	43	13210	2.718	ug/L 99
15) Methyl Acetate	2.63	43	5134	0.681	ug/L # 72
25) Chloroform	4.67	83	26949	2.637	ug/L 100
29) Cyclohexane	4.97	56	11266	1.108	ug/L # 48
35) Methylcyclohexane	6.40	83	12696	1.437	ug/L # 76
39) cis-1,3-Dichloropropene	7.22	75	6851	0.728	ug/L # 67
42) Toluene	7.63	91	19235	0.807	ug/L 86
45) 1,1,2-Trichloroethane	8.04	97	3024	0.539	ug/L # 28
52) Ethylbenzene	9.25	91	133210	5.129	ug/L 97
53) m,p-Xylene	9.37	106	88696	9.792	ug/L 96
54) o-xylene	9.78	106	30178	3.349	ug/L 95
56) Isopropylbenzene	10.17	105	26141	1.102	ug/L # 94
69) Naphthalene	13.74	128	116563	4.776	ug/L 99

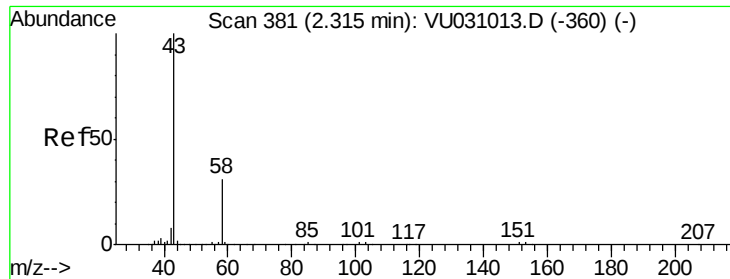
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.718 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.02 min

Lab File: VU031030.D

Acq: 10 Apr 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

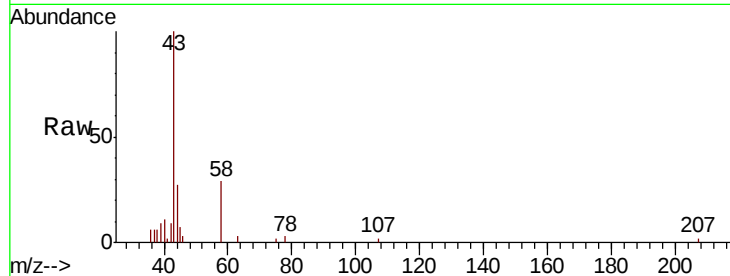
BFC29ME

Tot Ion: 43 Resp: 13210

Ion Ratio Lower Upper

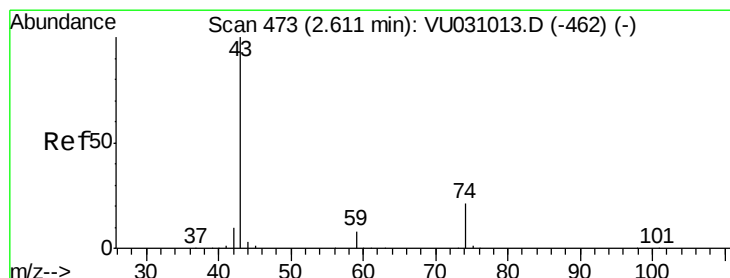
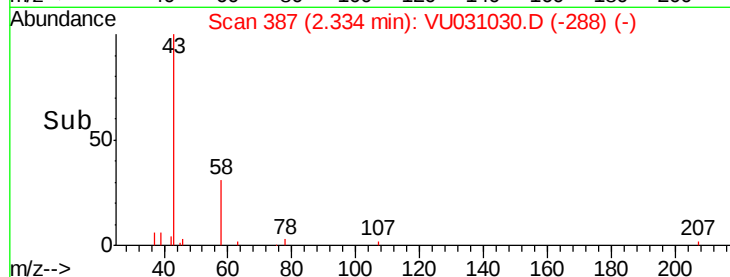
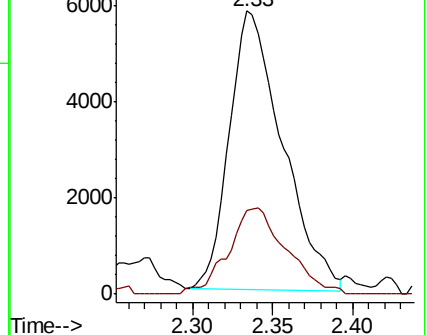
43 100

58 32.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031013.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031013.D (-360) (-)



#15

Methyl Acetate

Concen: 0.681 ug/L

RT: 2.63 min Scan# 478

Delta R.T. 0.02 min

Lab File: VU031030.D

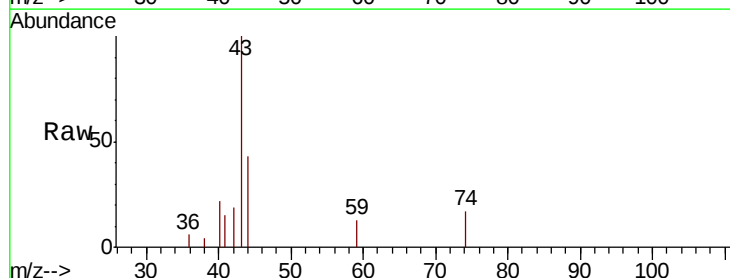
Acq: 10 Apr 2019 22:37

Tgt Ion: 43 Resp: 5134

Ion Ratio Lower Upper

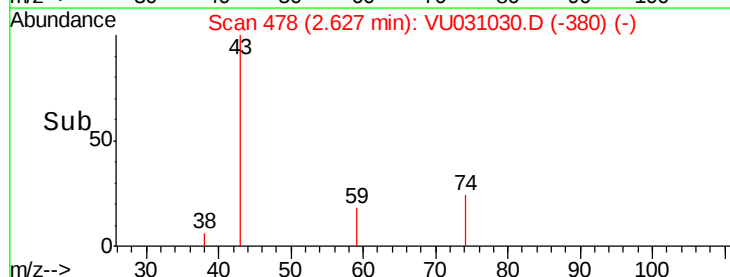
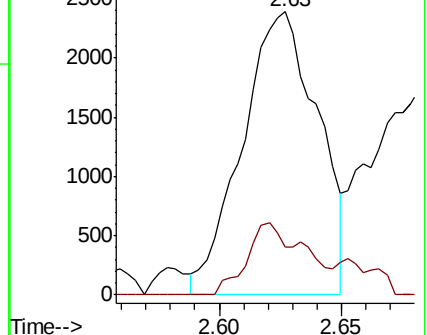
43 100

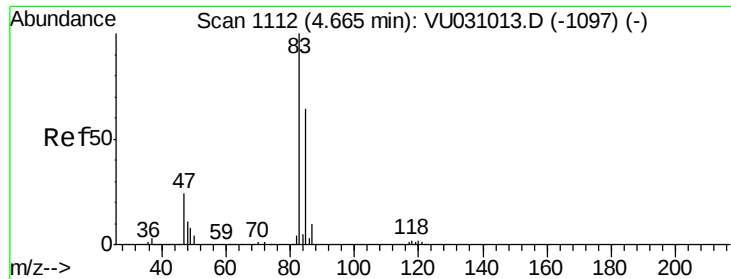
74 8.2 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VU031013.D (-462) (-)

Ion 74.00 (73.70 to 74.70): VU031013.D (-462) (-)

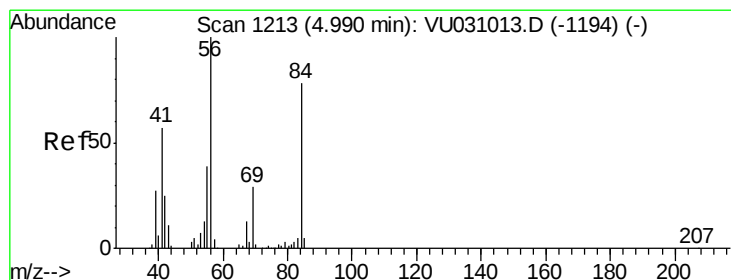
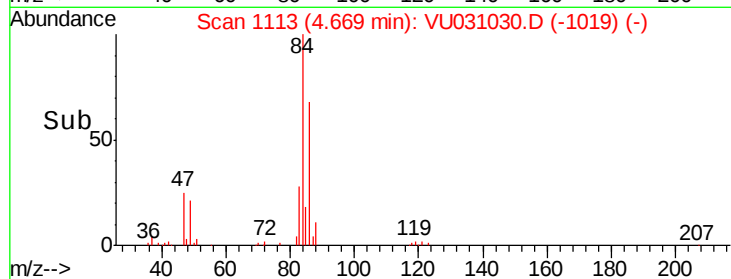
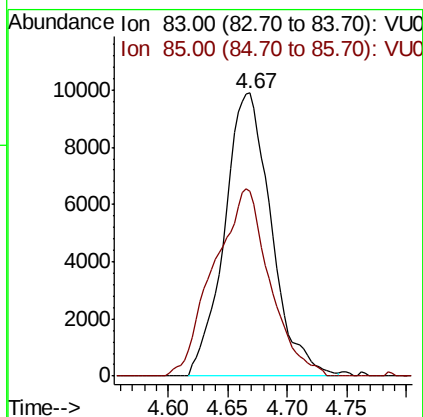
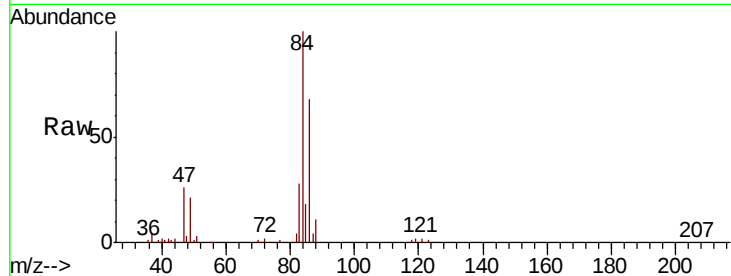




#25
Chloroform
Concen: 2.637 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031030.D
Acq: 10 Apr 2019 22:37

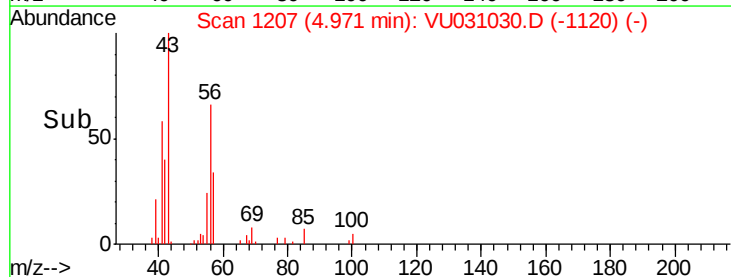
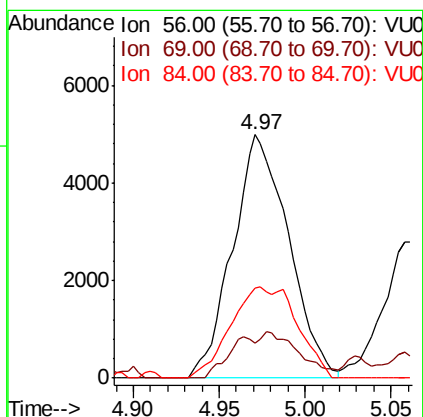
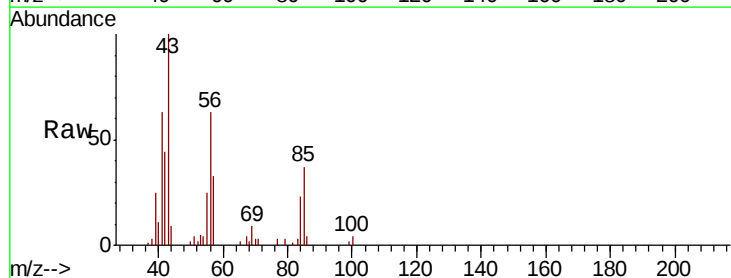
Instrument :
MSVOA_U
ClientSampleId :
BFC29ME

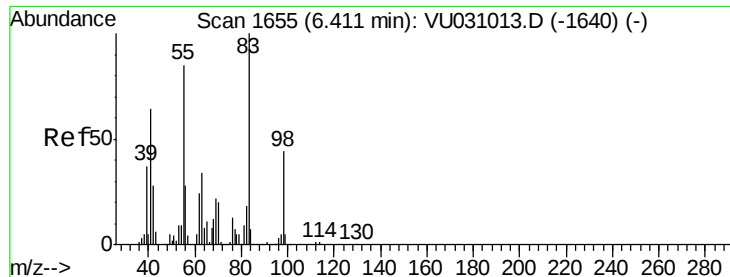
Tot Ion: 83 Resp: 26949
Ion Ratio Lower Upper
83 100
85 65.1 45.8 85.0



#29
Cyclohexane
Concen: 1.108 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VU031030.D
Acq: 10 Apr 2019 22:37

Tgt Ion: 56 Resp: 11266
Ion Ratio Lower Upper
56 100
69 2.1 22.0 33.0#
84 27.7 58.2 87.2#

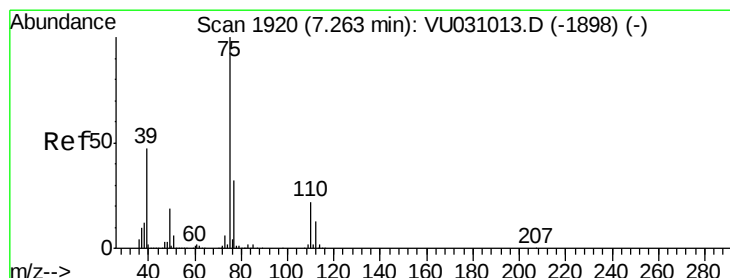
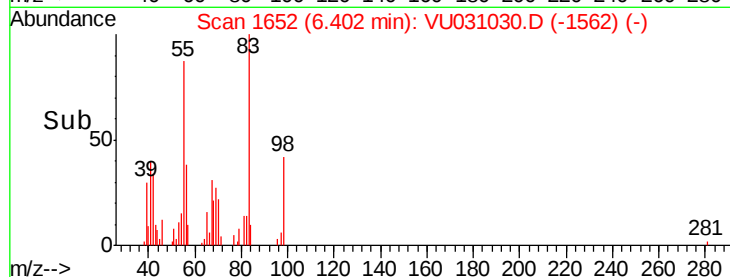
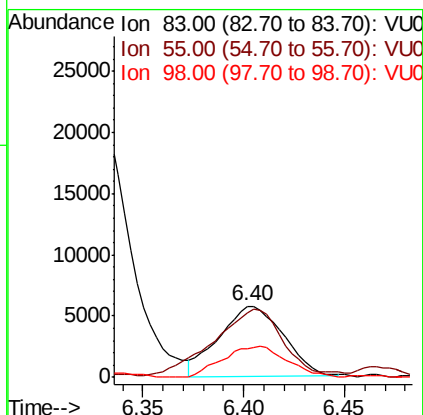
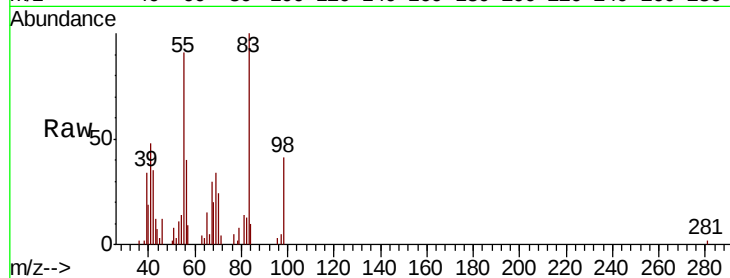




#35
Methvlcvclohexane
Concen: 1.437 ug/L
RT: 6.40 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VU031030.D
Acq: 10 Apr 2019 22:37

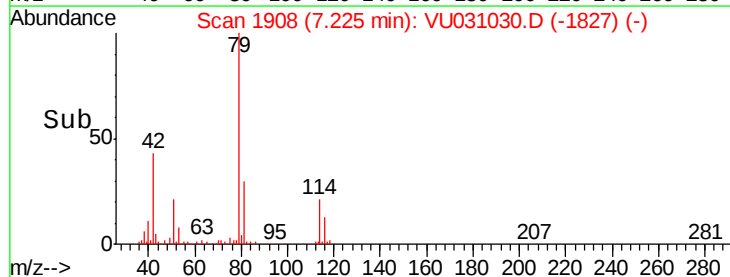
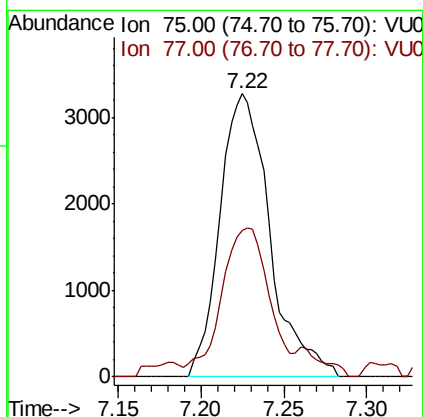
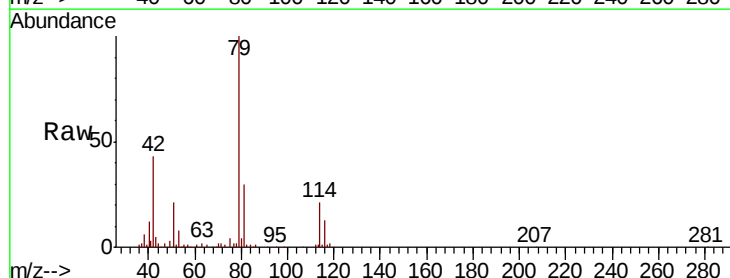
Instrument :
MSVOA_U
ClientSampleId :
BFC29ME

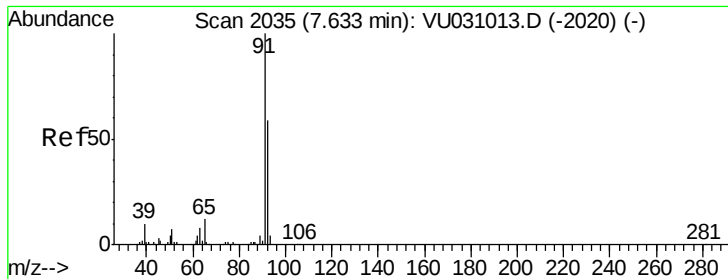
Tot Ion: 83 Resp: 12696
Ion Ratio Lower Upper
83 100
55 105.3 71.6 107.4
98 19.4 35.4 53.0#



#39
cis-1,3-Dichloropropene
Concen: 0.728 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU031030.D
Acq: 10 Apr 2019 22:37

Tgt Ion: 75 Resp: 6851
Ion Ratio Lower Upper
75 100
77 51.8 23.1 42.9#





#42

Toluene

Concen: 0.807 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031030.D

Acq: 10 Apr 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

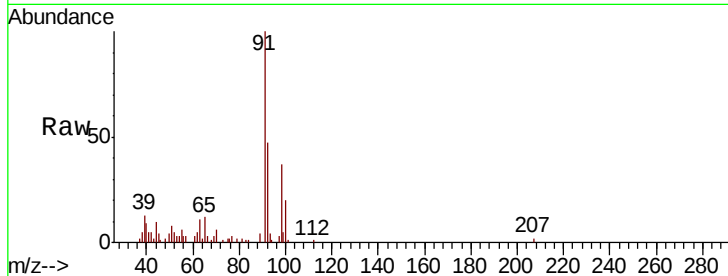
BFC29ME

Tot Ion: 91 Resp: 19235

Ion Ratio Lower Upper

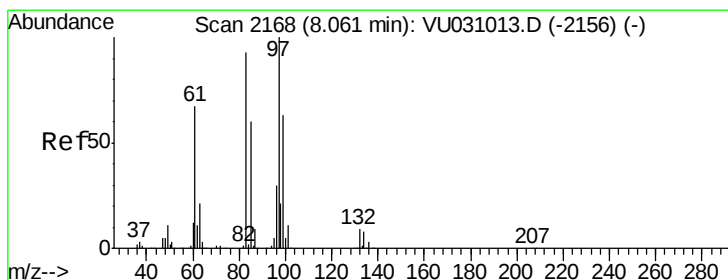
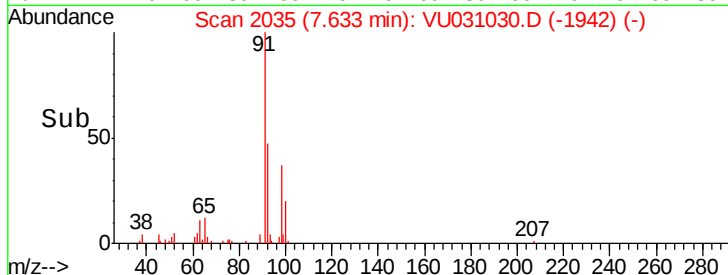
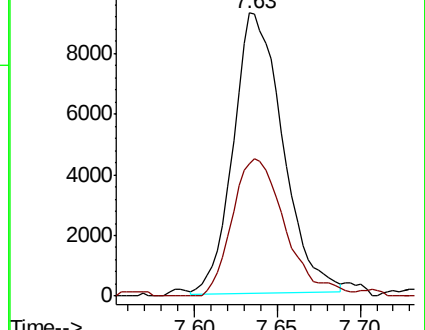
91 100

92 46.8 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031013.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031013.D (-2020) (-)



#45

1,1,2-Trichloroethane

Concen: 0.539 ug/L

RT: 8.04 min Scan# 2162

Delta R.T. -0.02 min

Lab File: VU031030.D

Acq: 10 Apr 2019 22:37

Tgt Ion: 97 Resp: 3024

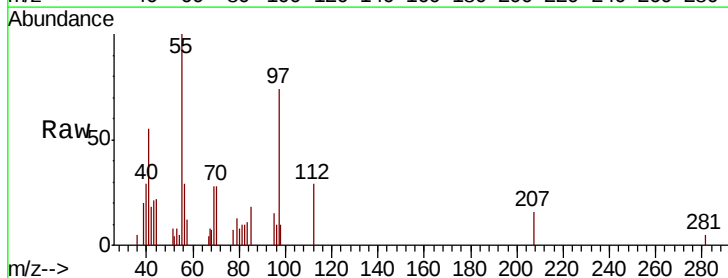
Ion Ratio Lower Upper

97 100

99 0.0 44.0 81.8#

83 14.9 65.3 121.3#

85 23.9 42.5 78.9#

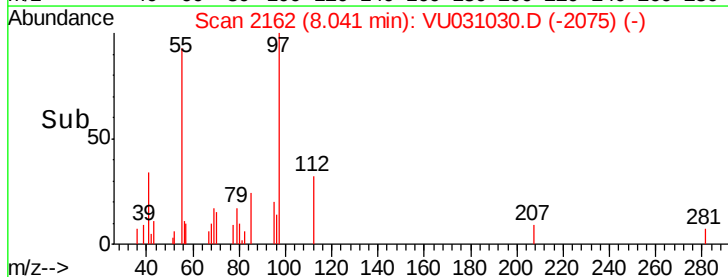
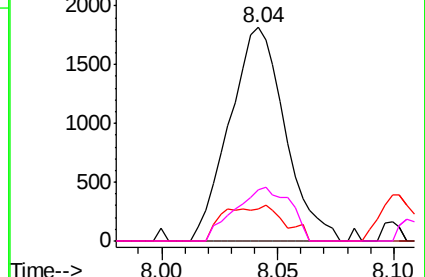


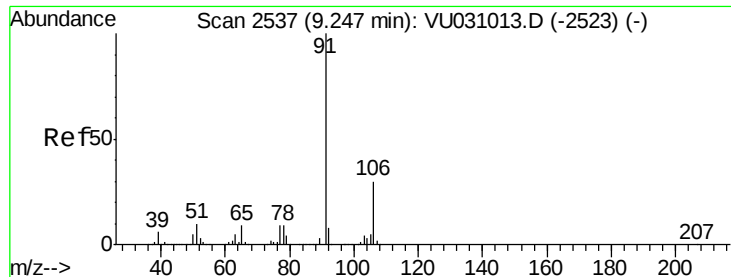
Abundance Ion 97.00 (96.70 to 97.70): VU031013.D (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU031013.D (-2156) (-)

Ion 83.00 (82.70 to 83.70): VU031013.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU031013.D (-2156) (-)





#52

Ethylbenzene

Concen: 5.129 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031030.D

Acq: 10 Apr 2019 22:37

Instrument :

MSVOA_U

ClientSampled :

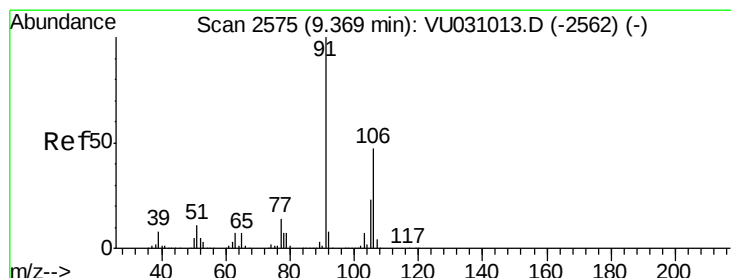
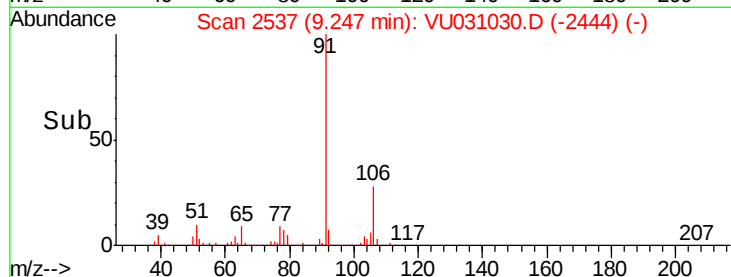
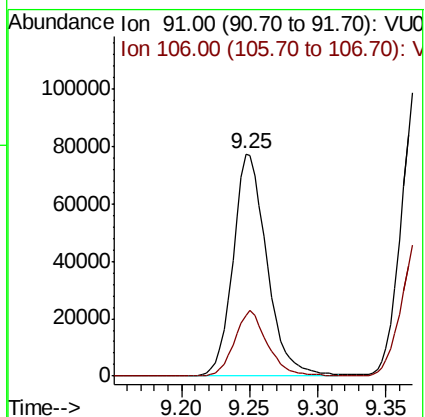
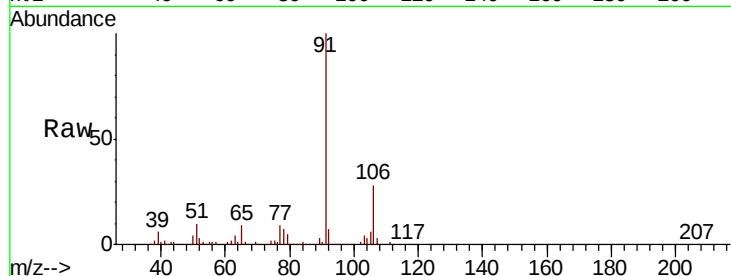
BFC29ME

Tot Ion: 91 Resp: 133210

Ion Ratio Lower Upper

91 100

106 27.6 20.4 37.8



#53

m,p-Xylene

Concen: 9.792 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031030.D

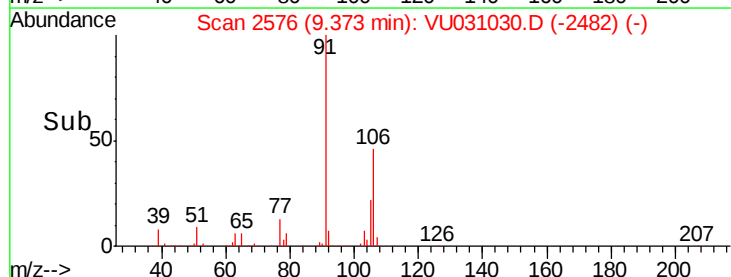
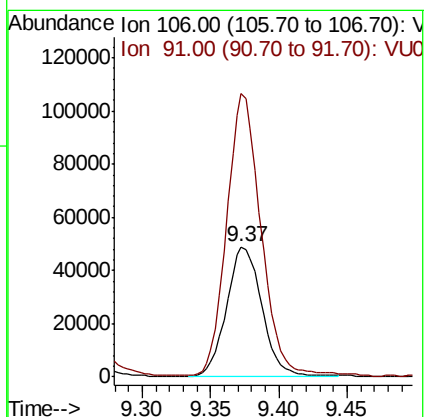
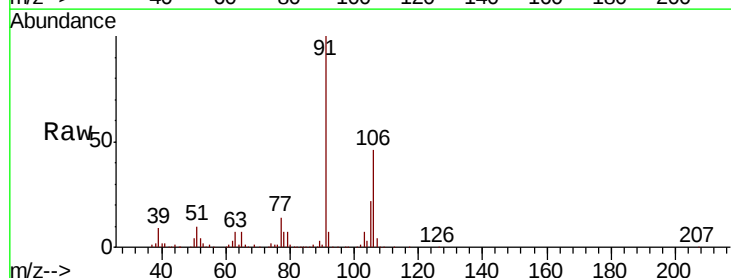
Acq: 10 Apr 2019 22:37

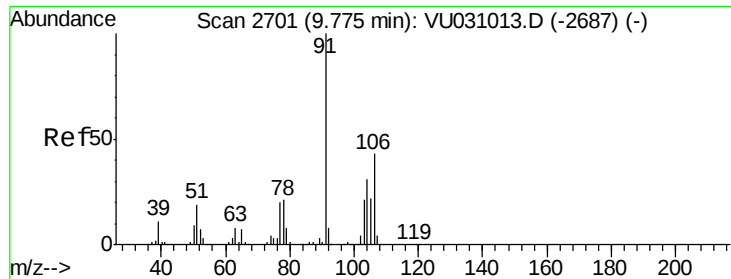
Tgt Ion: 106 Resp: 88696

Ion Ratio Lower Upper

106 100

91 218.1 148.0 274.8





#54

o-xylene

Concen: 3.349 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031030.D

Acq: 10 Apr 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

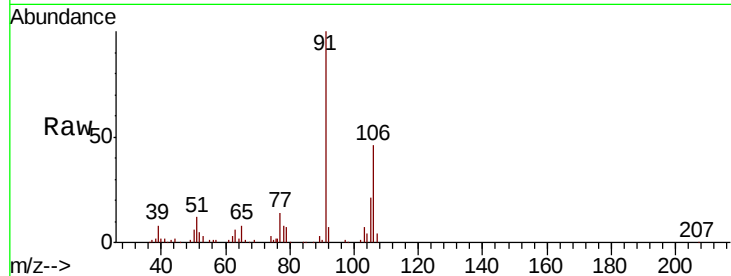
BFC29ME

Tot Ion:106 Resp: 30178

Ion Ratio Lower Upper

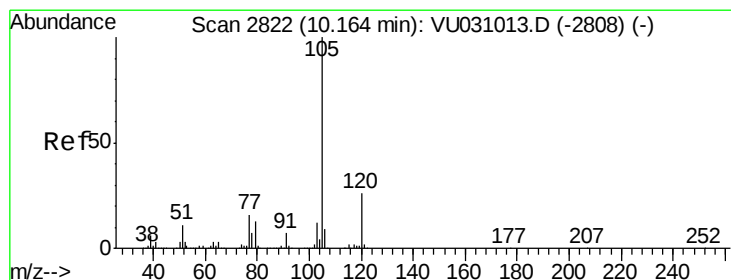
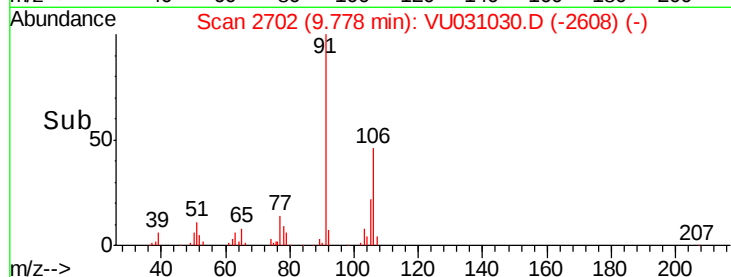
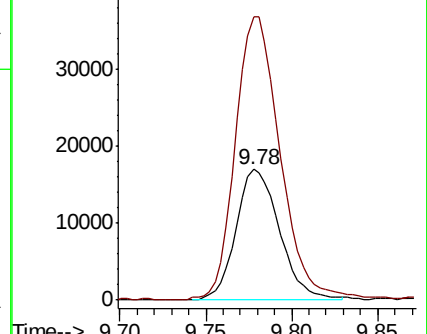
106 100

91 215.9 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 1.102 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU031030.D

Acq: 10 Apr 2019 22:37

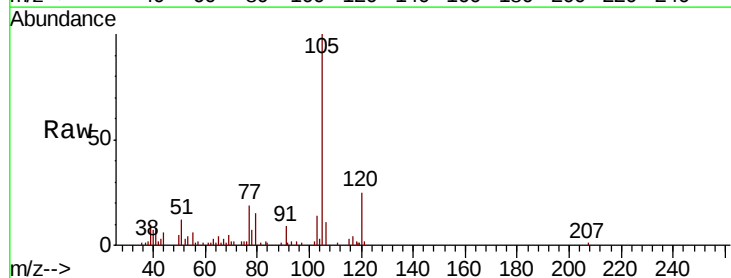
Tgt Ion:105 Resp: 26141

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

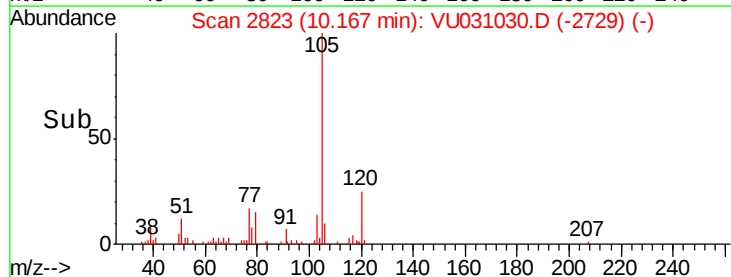
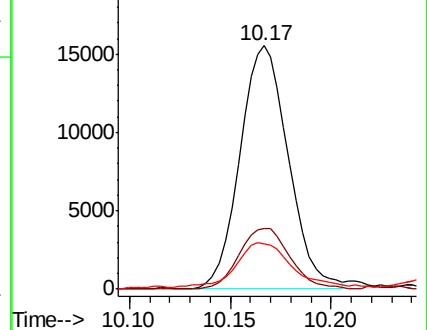
77 22.8 13.4 20.2#

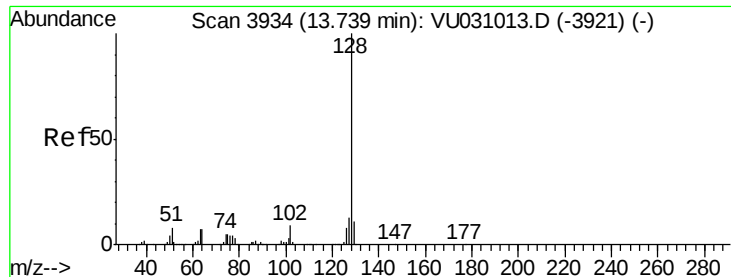


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 4.776 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU031030.D

Acq: 10 Apr 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

BFC29ME

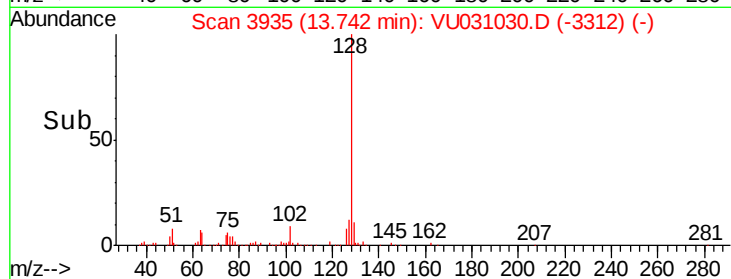
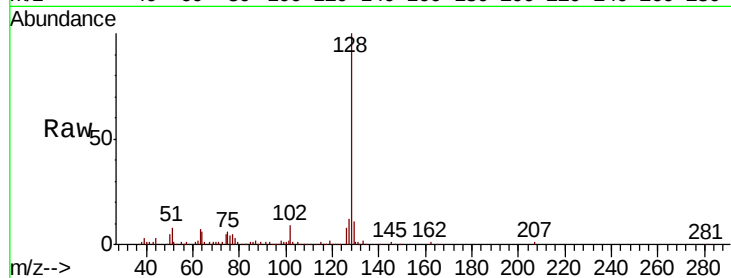
Tot Ion:128 Resp: 116563

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

