

Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDJ4

Quant Time: Sep 26 07:02:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	467929	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	442651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	201558	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	192411	40.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.34%
7) Chloroethane-d5	1.67	69	168075	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.48	63	186	0.02	ug/L	0.22
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	4.15	46	429840	117.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.08%
24) Chloroform-d	4.62	84	332530	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
26) 1,2-Dichloroethane-d4	5.28	65	232219	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.72%
32) Benzene-d6	5.32	84	699067	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
36) 1,2-Dichloropropane-d6	6.31	67	244258	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.88%
41) Toluene-d8	7.54	98	667712	51.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.30%
43) trans-1,3-Dichloropropene-	7.83	79	105959	46.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.26%
47) 2-Hexanone-d5	8.29	63	289807	120.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.32%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	339970	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.84	152	239863	56.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.50%

Target Compounds

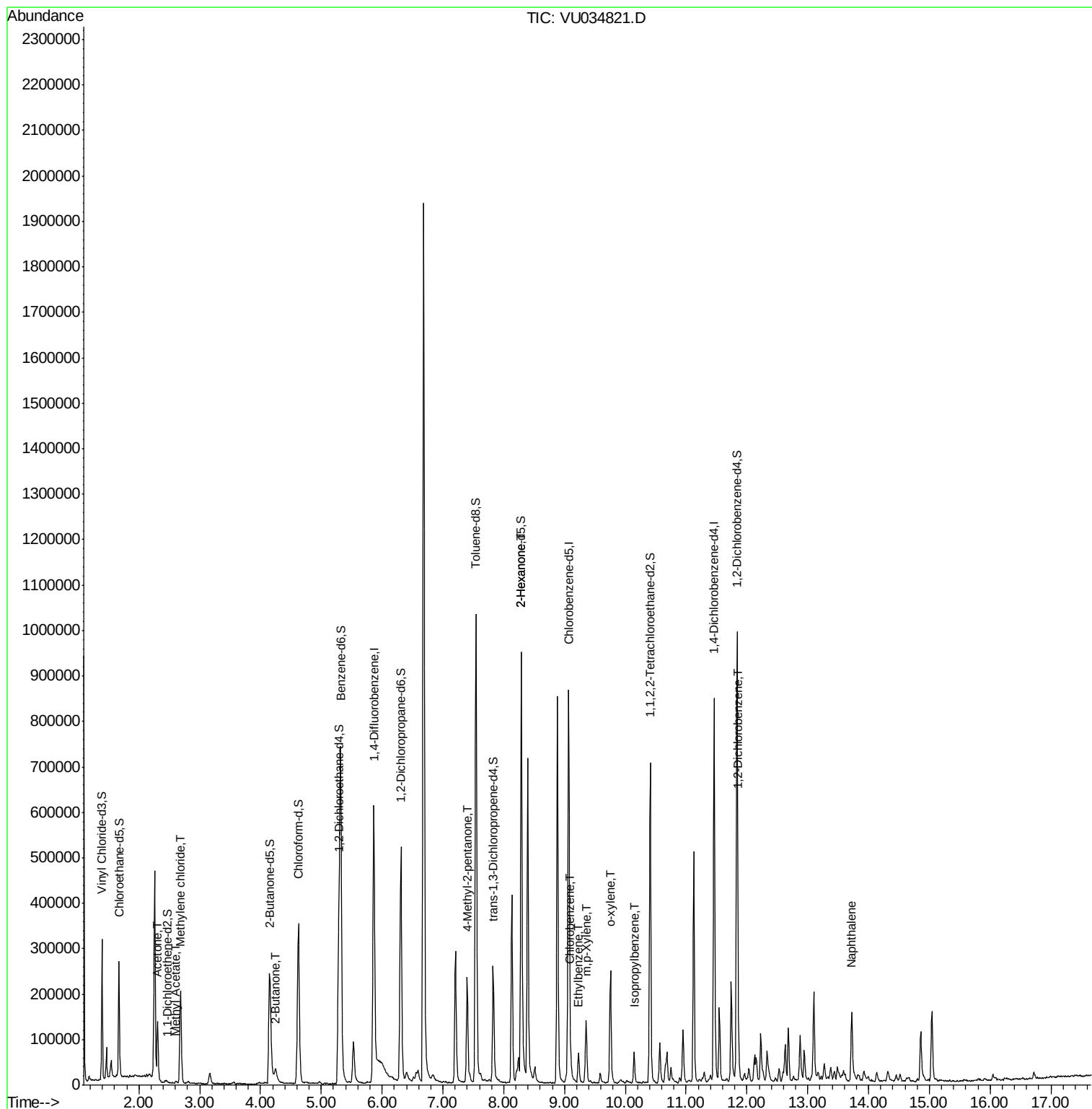
					Qvalue
13) Acetone	2.31	43	138250	32.371 ug/L	95
15) Methyl Acetate	2.60	43	6689	1.173 ug/L #	92
16) Methylene chloride	2.68	84	82097	21.170 ug/L	95
22) 2-Butanone	4.25	43	50979	10.034 ug/L	100
40) 4-Methyl-2-pentanone	7.40	43	99377	11.387 ug/L #	58
48) 2-Hexanone	8.29	43	133071	19.522 ug/L #	53
51) Chlorobenzene	9.10	112	21331	2.115 ug/L	99
52) Ethylbenzene	9.23	91	47073	2.519 ug/L	97
53) m,p-Xylene	9.36	106	38412	5.805 ug/L	97
54) o-xylene	9.76	106	44628	6.818 ug/L	99
56) Isopropylbenzene	10.14	105	42169	2.389 ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	13726	1.946 ug/L	94
69) Naphthalene	13.72	128	128269	10.075 ug/L	99

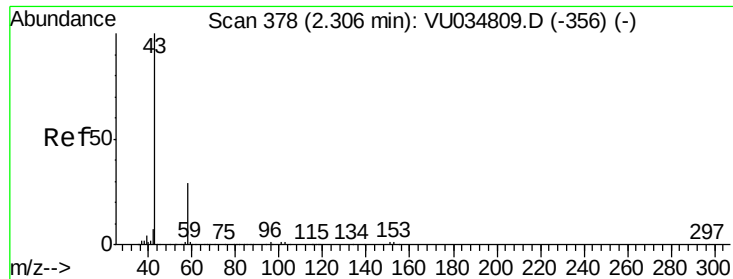
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDJ4

Quant Time: Sep 26 07:02:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration





#13

Acetone

Concen: 32.371 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

Instrument :

MSVOA_U

ClientSampleId :

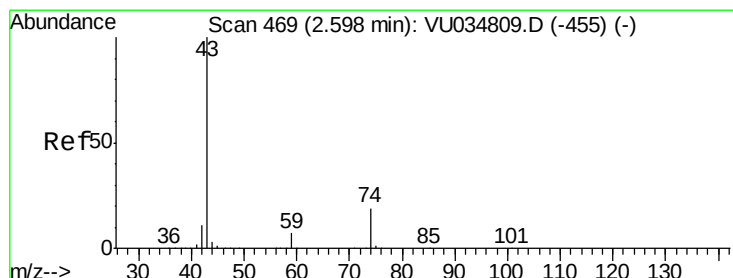
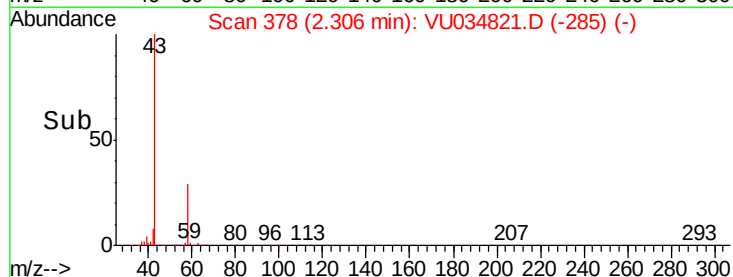
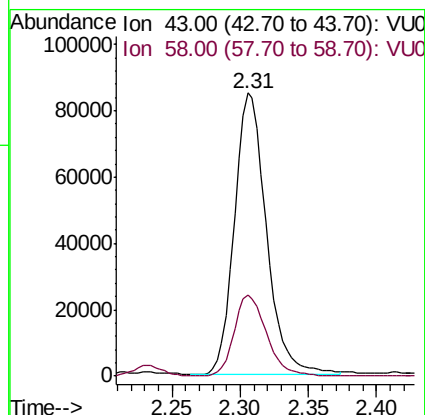
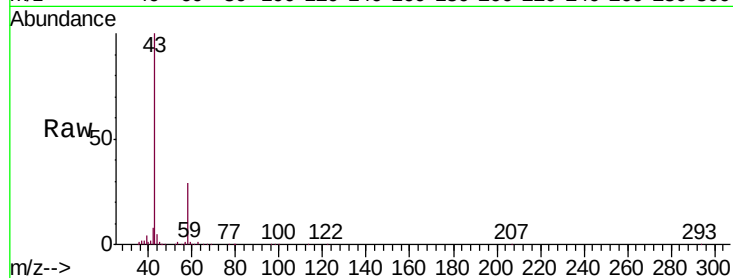
BFDJ4

Tgt Ion: 43 Resp: 138250

Ion Ratio Lower Upper

43 100

58 29.1 0.0 53.4



#15

Methyl Acetate

Concen: 1.173 ug/L

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU034821.D

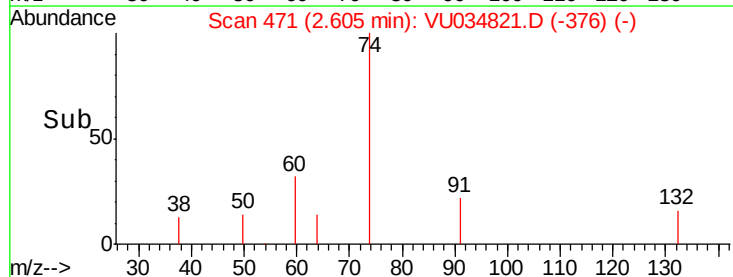
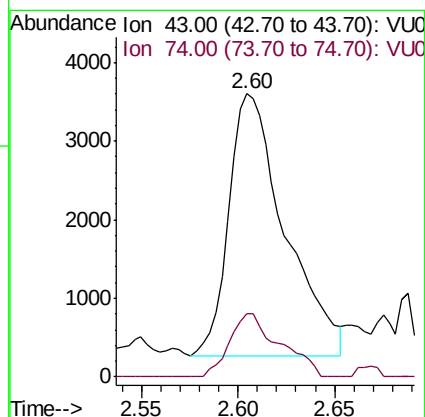
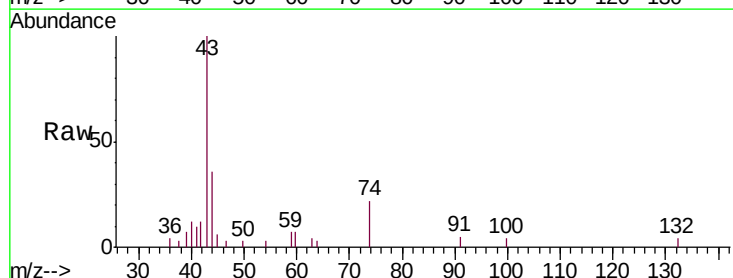
Acq: 25 Sep 2019 22:41

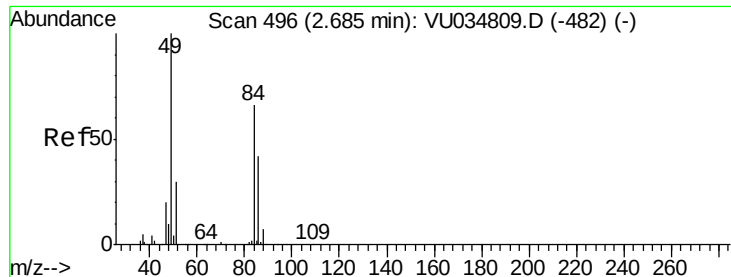
Tgt Ion: 43 Resp: 6689

Ion Ratio Lower Upper

43 100

74 21.7 14.4 21.6#

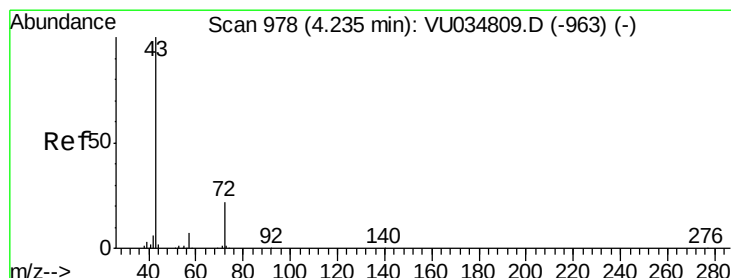
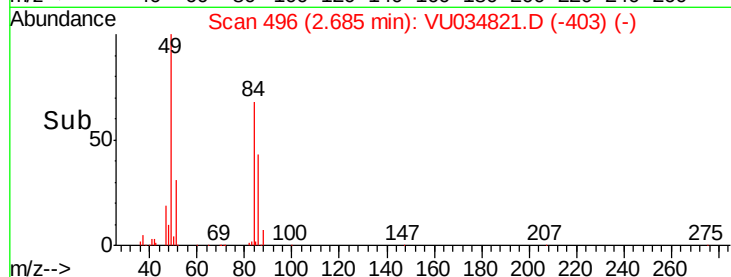
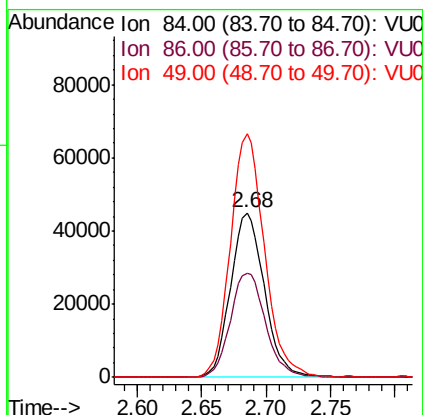
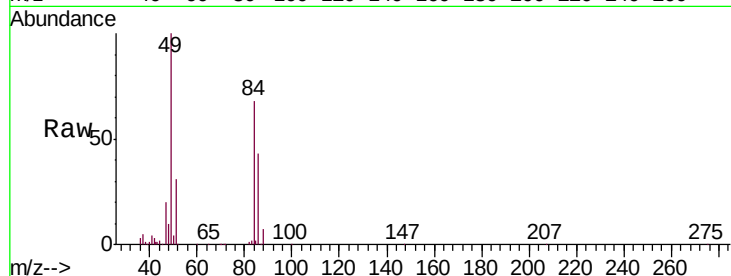




#16
Methylene chloride
Concen: 21.170 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034821.D
Acq: 25 Sep 2019 22:41

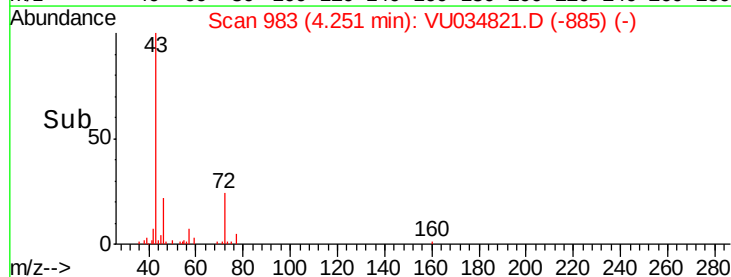
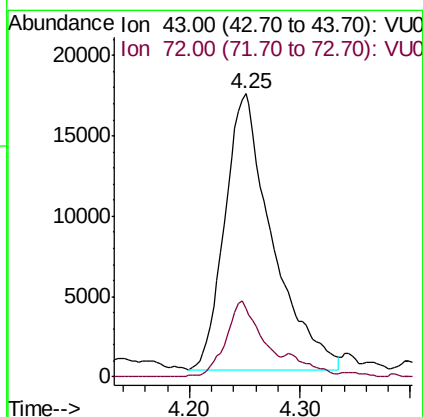
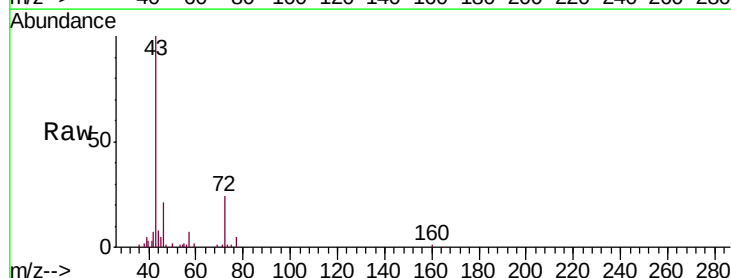
Instrument :
MSVOA_U
ClientSampled :
BFDJ4

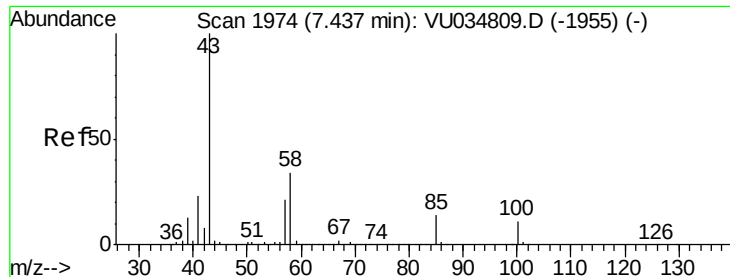
Tgt Ion: 84 Resp: 82097
Ion Ratio Lower Upper
84 100
86 63.4 43.0 80.0
49 148.1 109.7 203.7



#22
2-Butanone
Concen: 10.034 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.02 min
Lab File: VU034821.D
Acq: 25 Sep 2019 22:41

Tgt Ion: 43 Resp: 50979
Ion Ratio Lower Upper
43 100
72 20.5 10.2 30.6

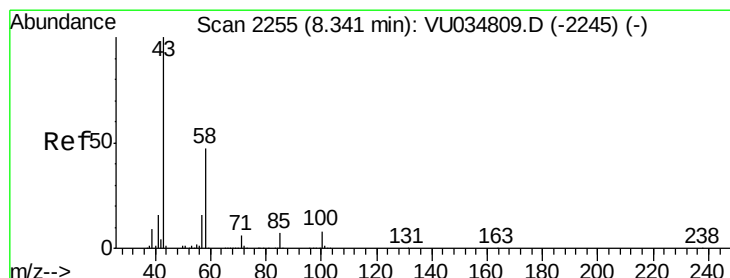
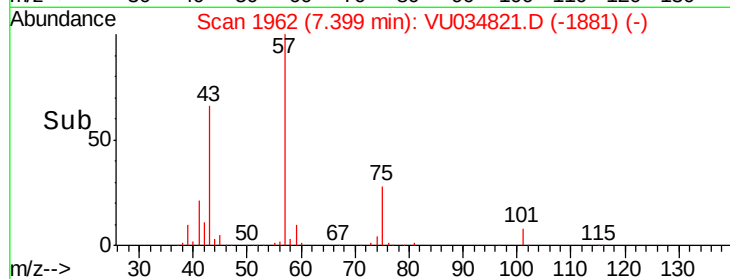
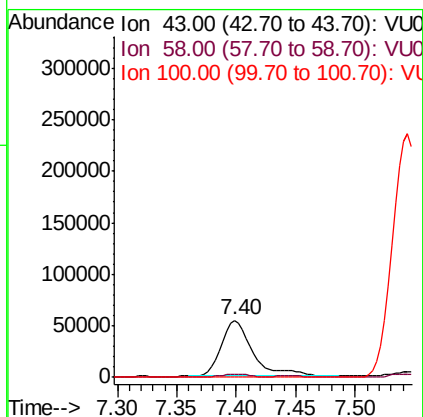
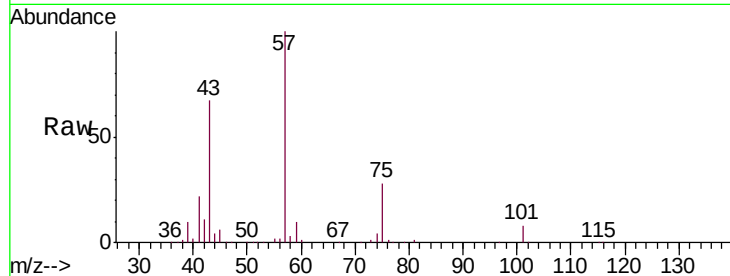




#40
 4-Methyl-2-pentanone
 Concen: 11.387 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034821.D
 Acq: 25 Sep 2019 22:41

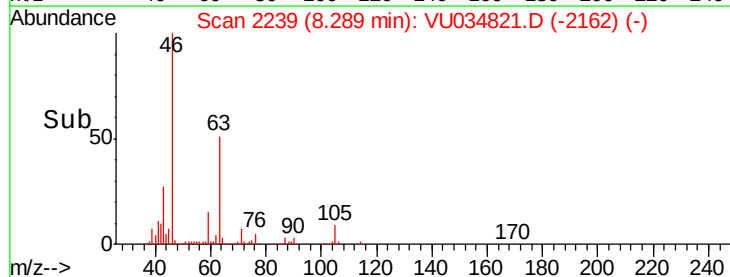
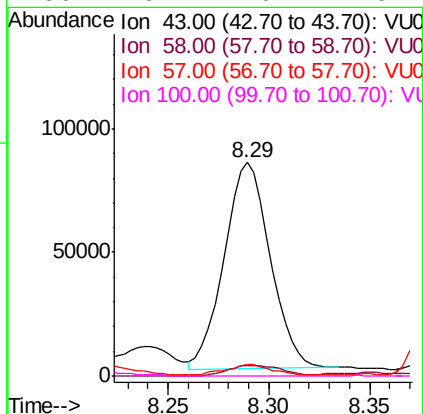
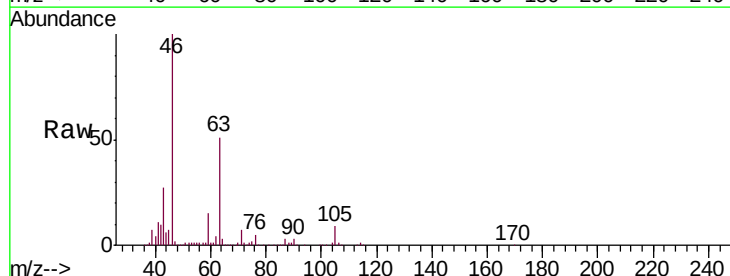
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ4

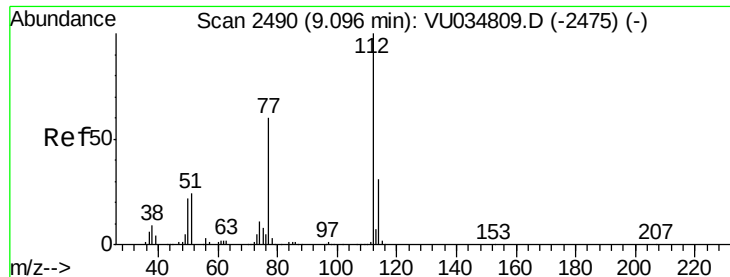
Tgt Ion: 43 Resp: 99377
 Ion Ratio Lower Upper
 43 100
 58 5.4 25.2 37.8#
 100 0.0 7.7 11.5#



#48
 2-Hexanone
 Concen: 19.522 ug/L
 RT: 8.29 min Scan# 2239
 Delta R.T. -0.05 min
 Lab File: VU034821.D
 Acq: 25 Sep 2019 22:41

Tgt Ion: 43 Resp: 133071
 Ion Ratio Lower Upper
 43 100
 58 6.2 35.3 52.9#
 57 5.0 12.1 18.1#
 100 0.1 6.2 9.4#

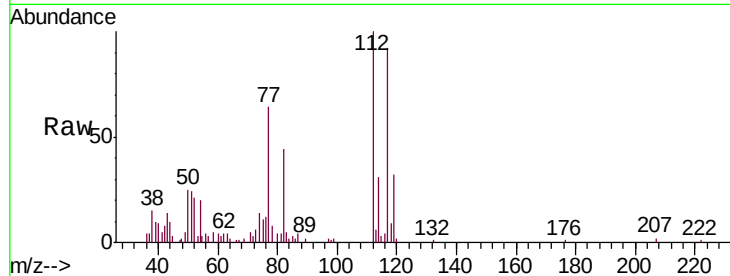




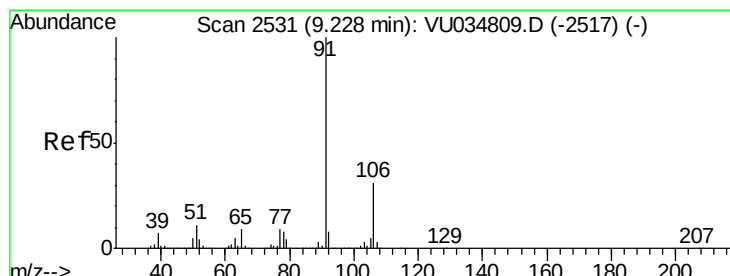
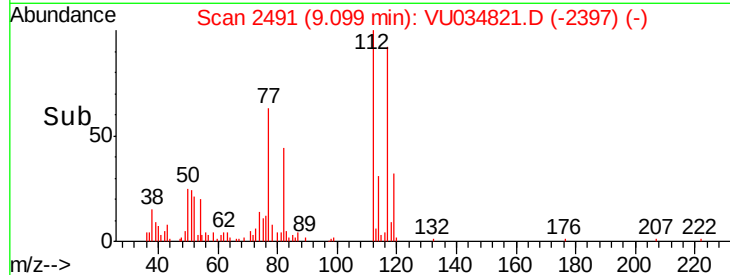
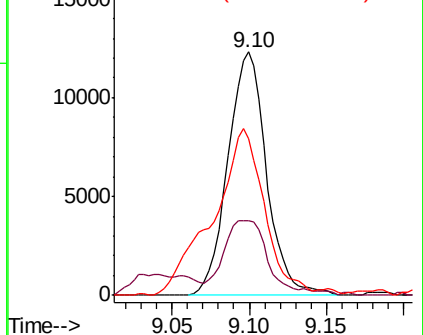
#51
Chlorobenzene
Concen: 2.115 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034821.D
Acq: 25 Sep 2019 22:41

Instrument :
MSVOA_U
ClientSampleId :
BFDJ4

Tgt Ion: 112 Resp: 21331
Ion Ratio Lower Upper
112 100
114 30.6 22.8 42.4
77 64.1 51.5 77.3

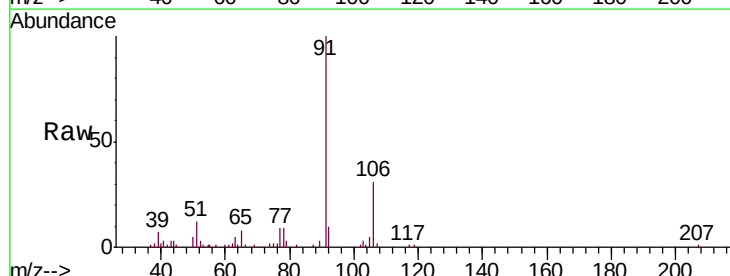


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

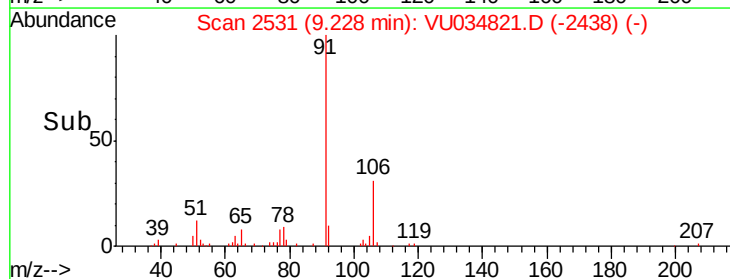
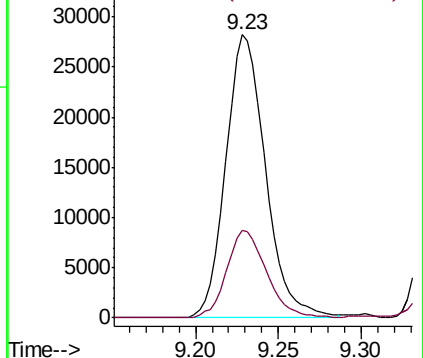


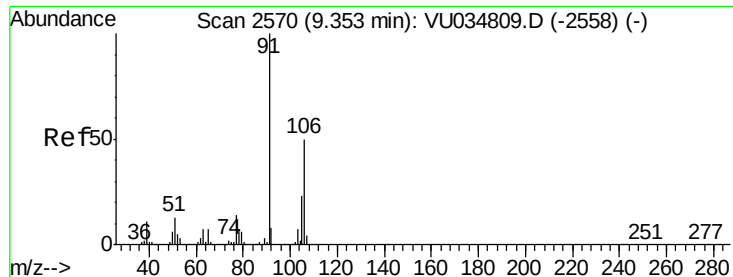
#52
Ethylbenzene
Concen: 2.519 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034821.D
Acq: 25 Sep 2019 22:41

Tgt Ion: 91 Resp: 47073
Ion Ratio Lower Upper
91 100
106 30.9 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 5.805 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

Instrument :

MSVOA_U

ClientSampleId :

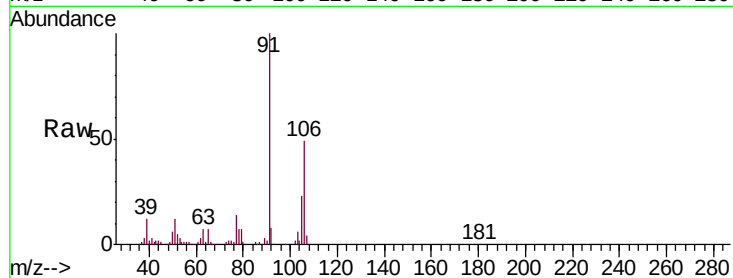
BFDJ4

Tgt Ion:106 Resp: 38412

Ion Ratio Lower Upper

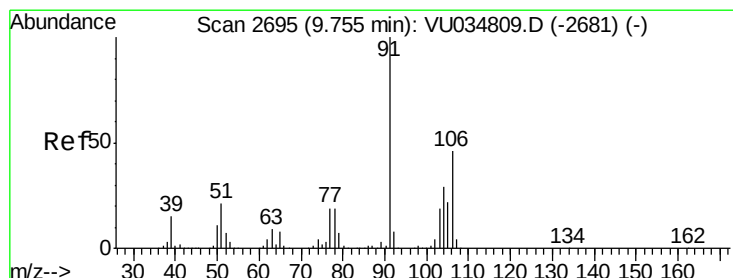
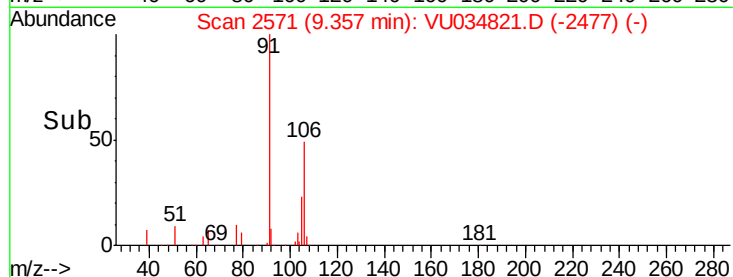
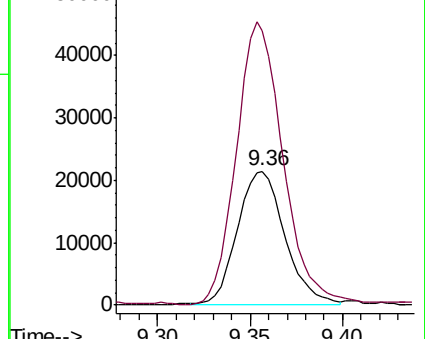
106 100

91 204.7 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 6.818 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034821.D

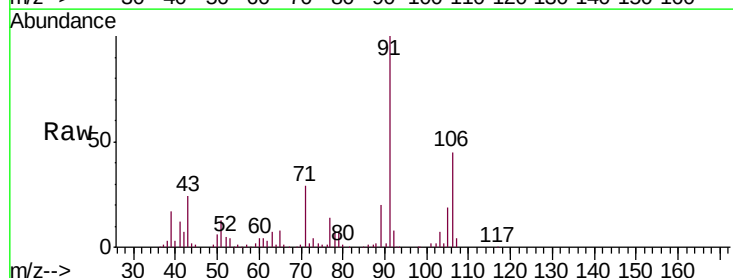
Acq: 25 Sep 2019 22:41

Tgt Ion:106 Resp: 44628

Ion Ratio Lower Upper

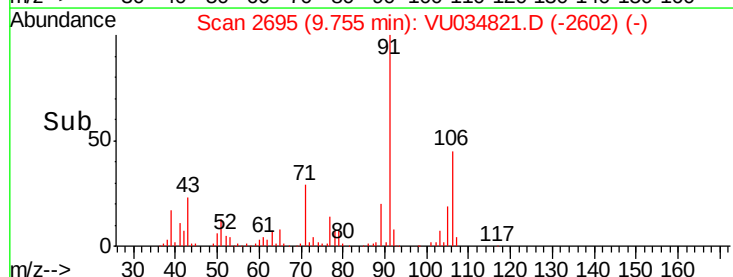
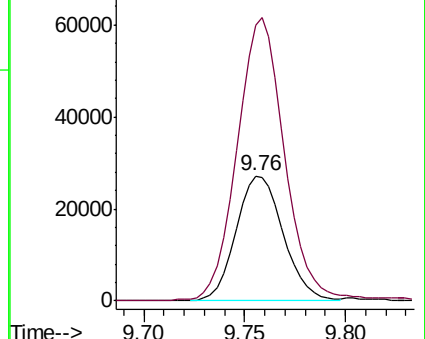
106 100

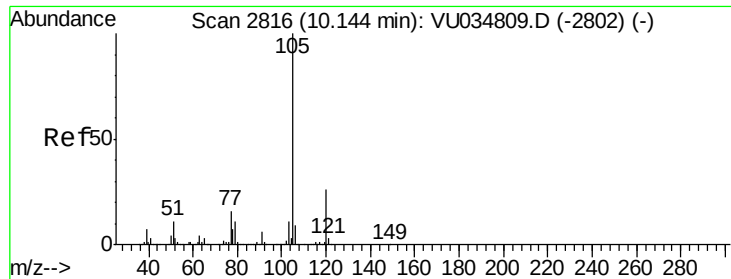
91 221.1 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.389 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

Instrument :

MSVOA_U

ClientSampleId :

BFDJ4

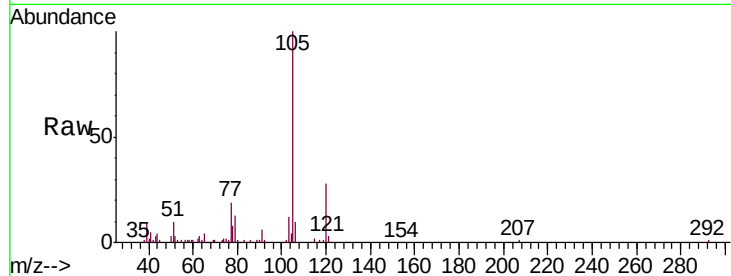
Tgt Ion:105 Resp: 42169

Ion Ratio Lower Upper

105 100

120 26.8 20.4 30.6

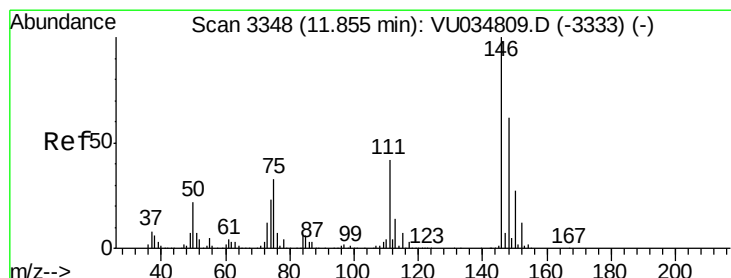
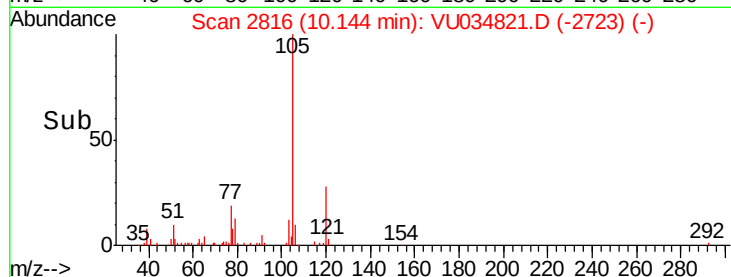
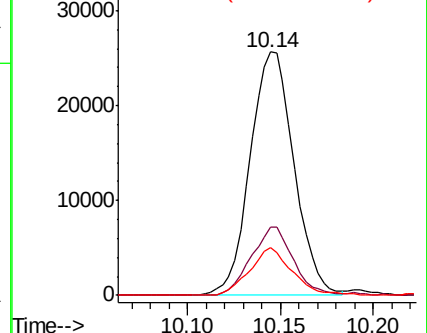
77 18.9 14.2 21.4



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): V



#65

1,2-Dichlorobenzene

Concen: 1.946 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

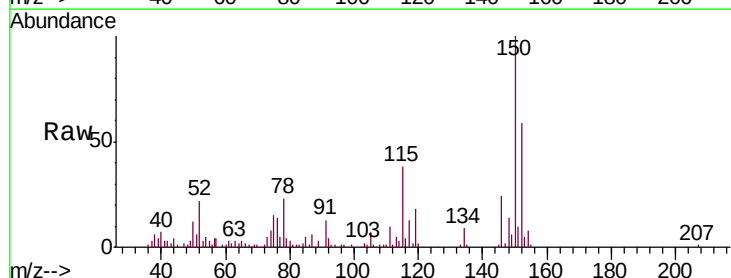
Tgt Ion:146 Resp: 13726

Ion Ratio Lower Upper

146 100

111 41.3 35.2 52.8

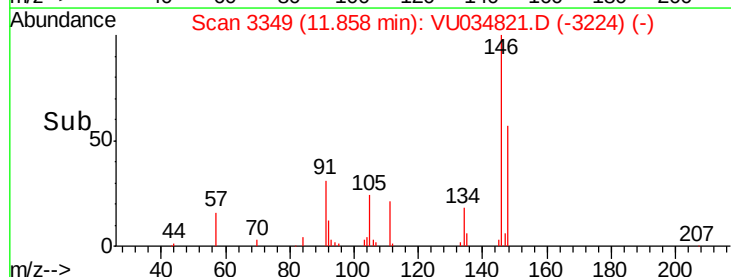
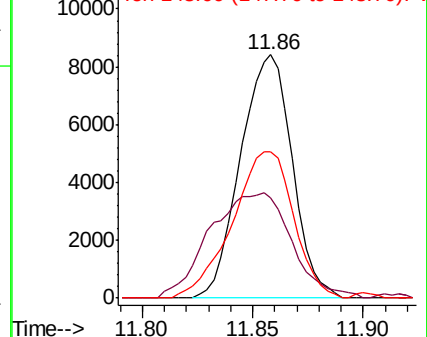
148 59.9 53.0 79.6

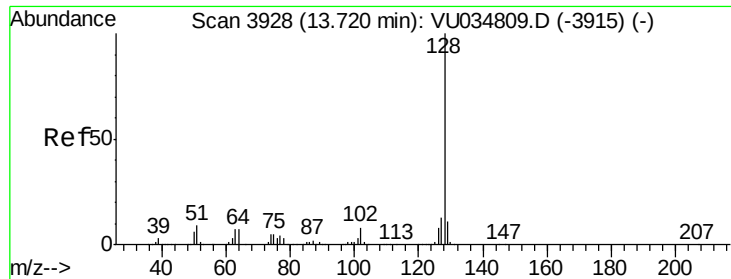


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 10.075 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034821.D

Acq: 25 Sep 2019 22:41

Instrument :

MSVOA_U

ClientSampleId :

BFDJ4

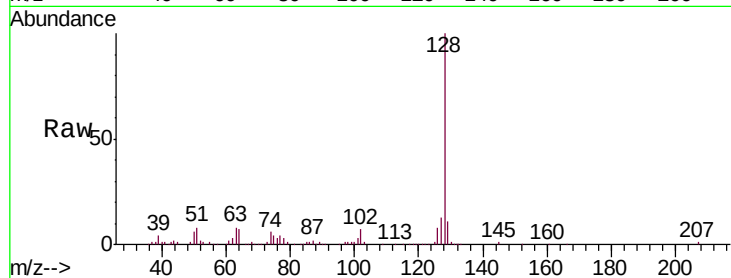
Tgt Ion:128 Resp: 128269

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 11.0 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

