

Data File : VU034822.D
Acq On : 25 Sep 2019 23:05
Operator : JC/SP
Sample : K4983-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDJ5

Quant Time: Sep 26 07:02:27 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	447149	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	428863	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	201275	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	187920	41.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.10%
7) Chloroethane-d5	1.67	69	165567	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.26	63	254331	32.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.62%
21) 2-Butanone-d5	4.15	46	400691	114.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.21%
24) Chloroform-d	4.62	84	321185	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
26) 1,2-Dichloroethane-d4	5.29	65	224539	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
32) Benzene-d6	5.32	84	672922	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	6.31	67	242077	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.20%
41) Toluene-d8	7.54	98	644780	50.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.96%
43) trans-1,3-Dichloropropene-	7.83	79	101410	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
47) 2-Hexanone-d5	8.29	63	283453	121.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.47%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	330476	51.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.52%
64) 1,2-Dichlorobenzene-d4	11.84	152	229322	54.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.66%

Target Compounds

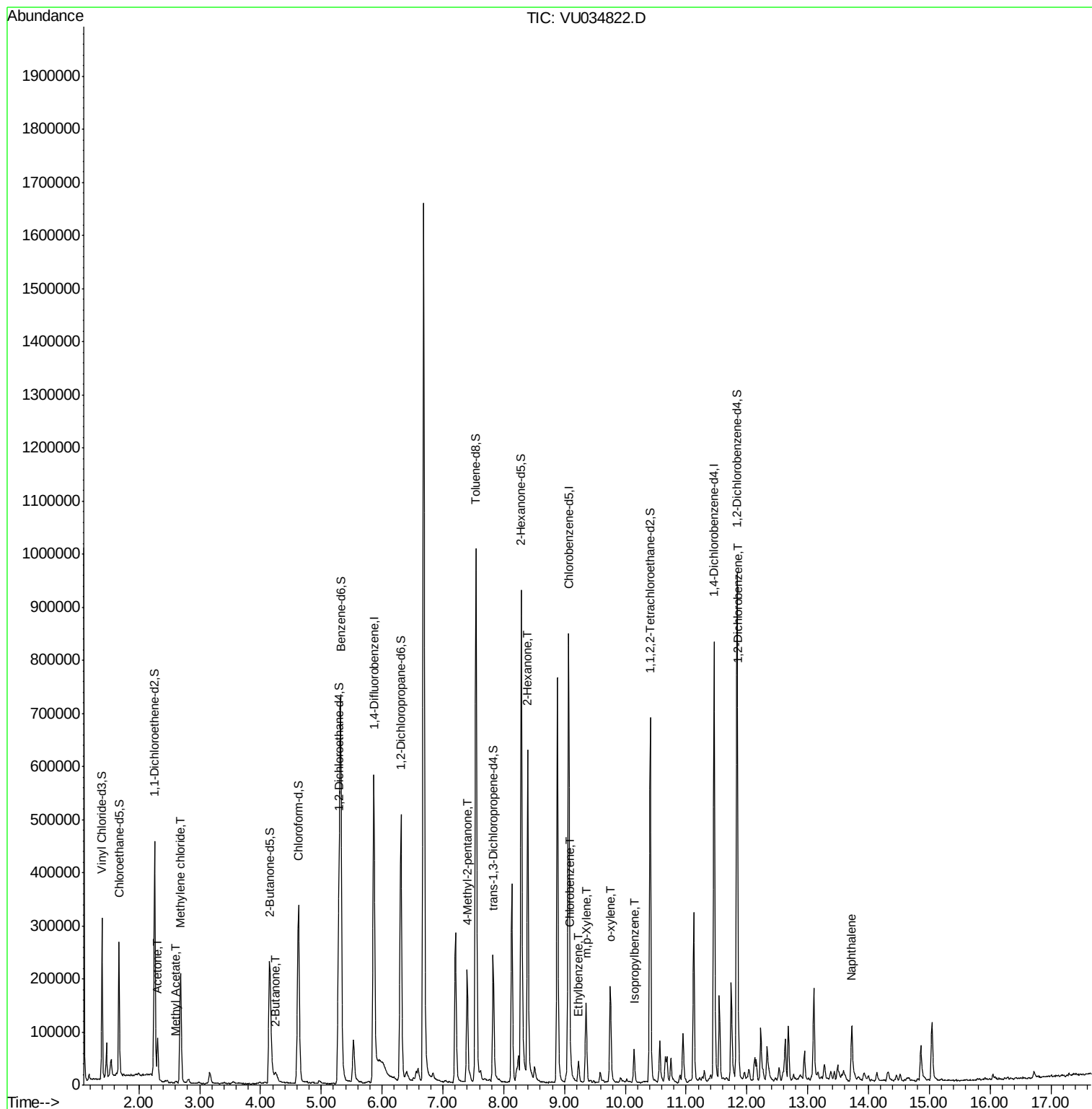
					Qvalue
13) Acetone	2.31	43	85253	20.890 ug/L	95
15) Methyl Acetate	2.61	43	5355	0.982 ug/L #	91
16) Methylene chloride	2.68	84	82471	22.254 ug/L	93
22) 2-Butanone	4.24	43	10363	2.134 ug/L	86
40) 4-Methyl-2-pentanone	7.40	43	81523	9.641 ug/L #	58
48) 2-Hexanone	8.40	43	92401	13.992 ug/L #	1
51) Chlorobenzene	9.10	112	10578	1.083 ug/L	88
52) Ethylbenzene	9.23	91	28480	1.573 ug/L	96
53) m,p-Xylene	9.35	106	40125	6.258 ug/L	95
54) o-xylene	9.76	106	31430	4.956 ug/L	76
56) Isopropylbenzene	10.14	105	40716	2.381 ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	7879	1.119 ug/L #	82
69) Naphthalene	13.73	128	91657	7.209 ug/L	98

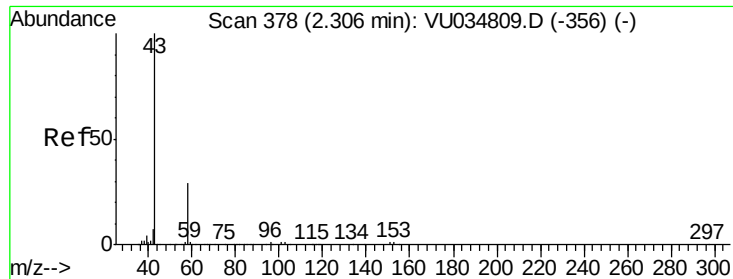
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 20.890 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

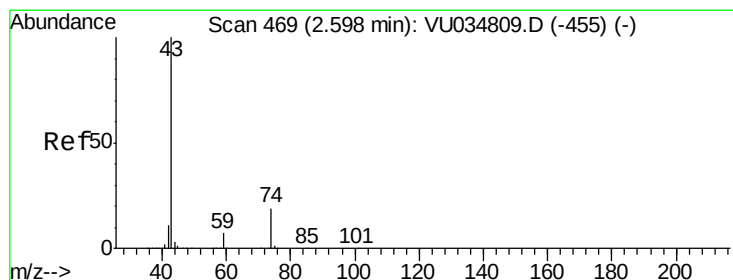
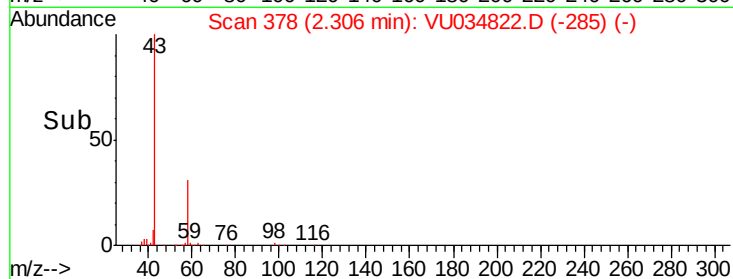
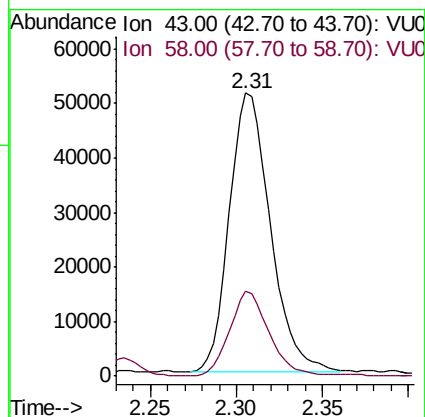
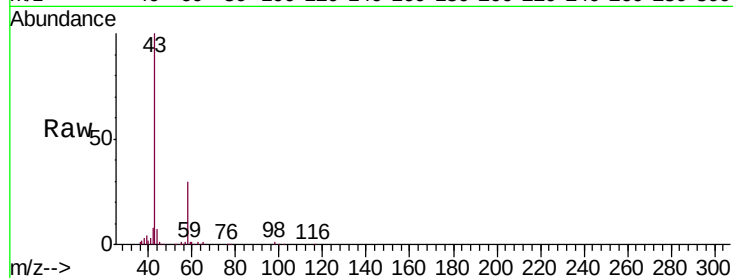
BFDJ5

Tgt Ion: 43 Resp: 85253

Ion Ratio Lower Upper

43 100

58 29.1 0.0 53.4



#15

Methyl Acetate

Concen: 0.982 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034822.D

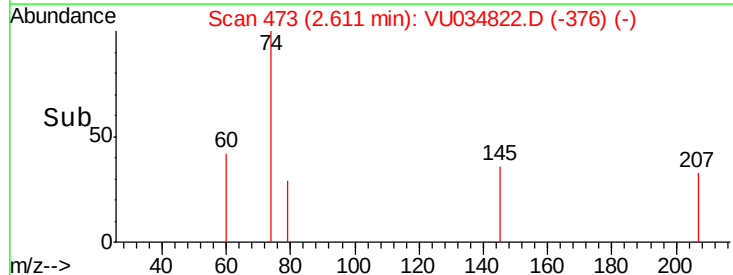
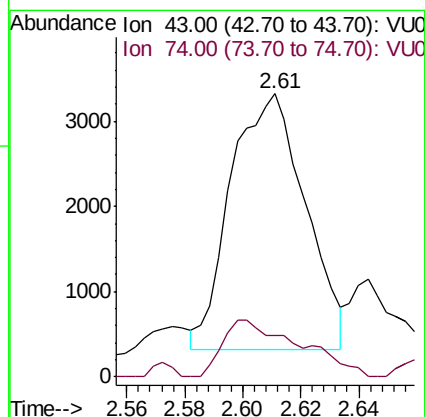
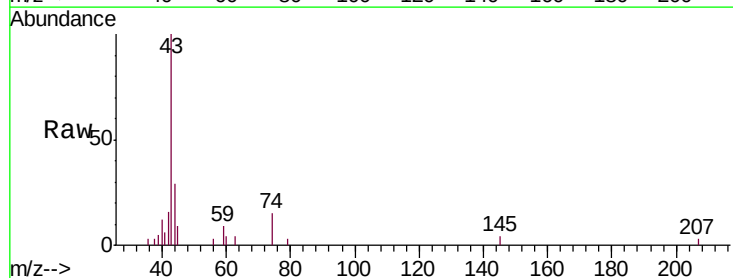
Acq: 25 Sep 2019 23:05

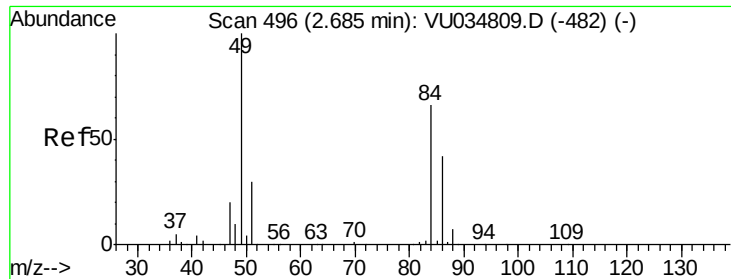
Tgt Ion: 43 Resp: 5355

Ion Ratio Lower Upper

43 100

74 13.9 14.4 21.6#

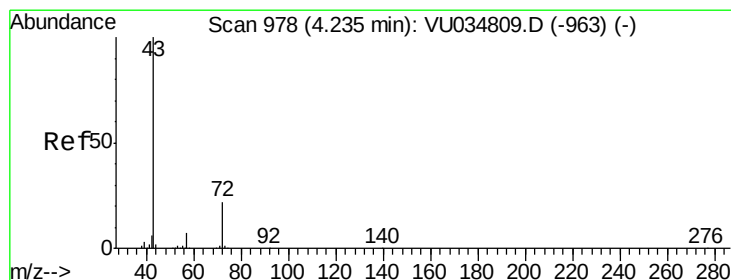
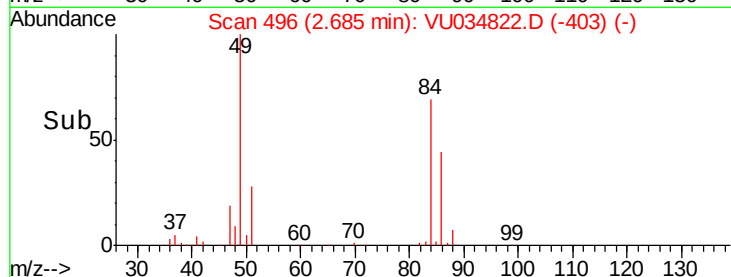
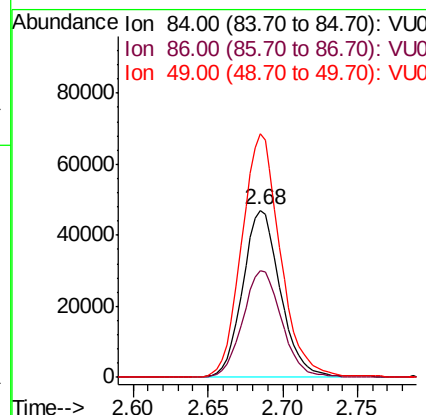
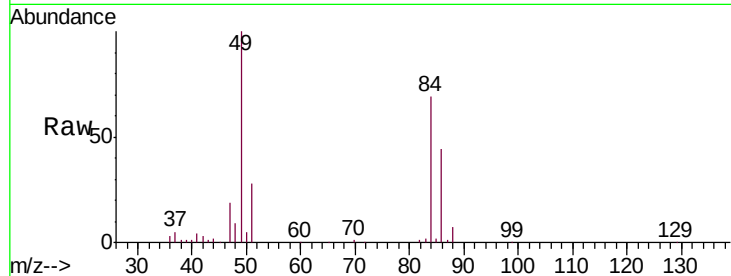




#16
Methylene chloride
Concen: 22.254 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034822.D
Acq: 25 Sep 2019 23:05

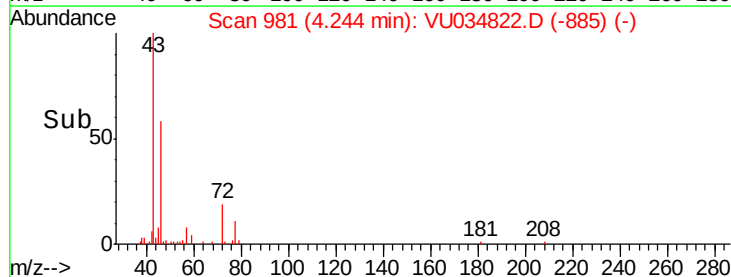
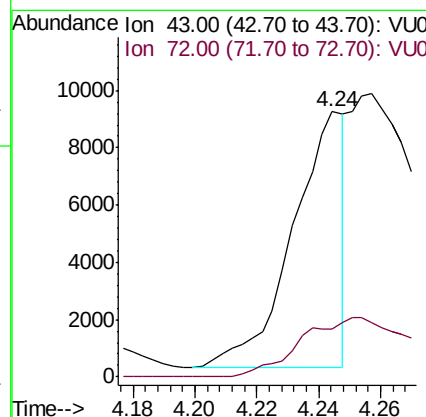
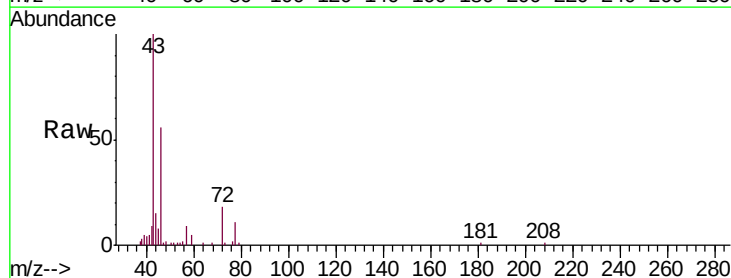
Instrument :
MSVOA_U
ClientSampleId :
BFDJ5

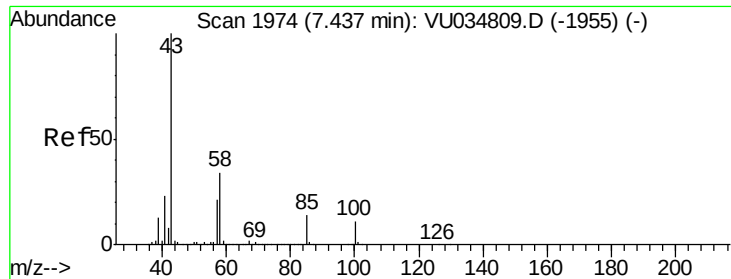
Tgt Ion: 84 Resp: 82471
Ion Ratio Lower Upper
84 100
86 64.1 43.0 80.0
49 146.0 109.7 203.7



#22
2-Butanone
Concen: 2.134 ug/L
RT: 4.24 min Scan# 981
Delta R.T. 0.01 min
Lab File: VU034822.D
Acq: 25 Sep 2019 23:05

Tgt Ion: 43 Resp: 10363
Ion Ratio Lower Upper
43 100
72 14.0 10.2 30.6

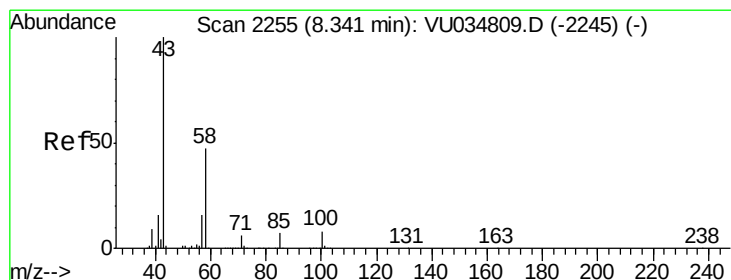
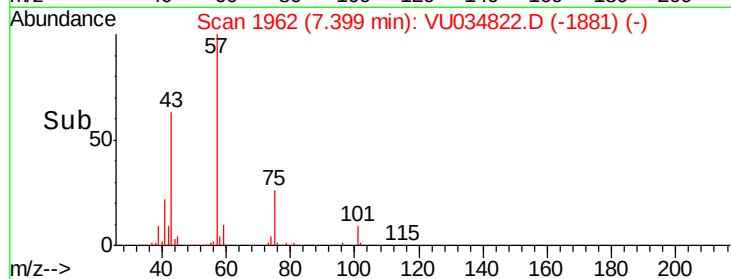
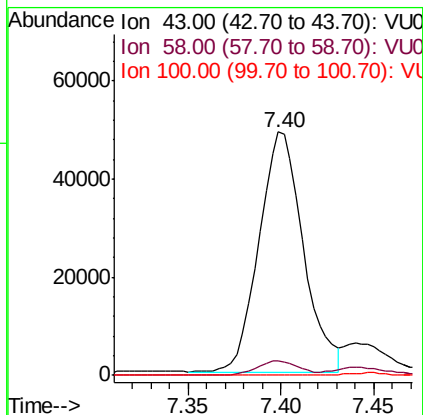
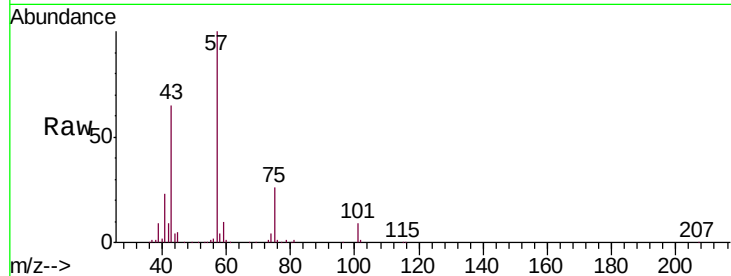




#40
 4-Methyl-2-pentanone
 Concen: 9.641 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034822.D
 Acq: 25 Sep 2019 23:05

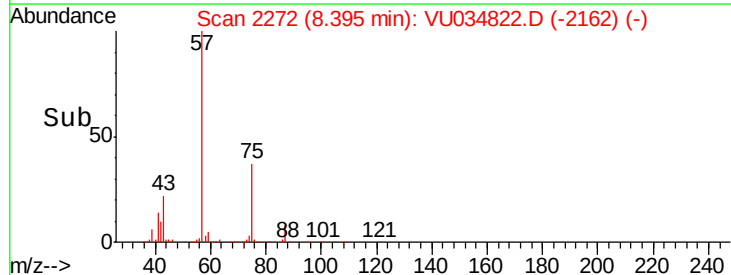
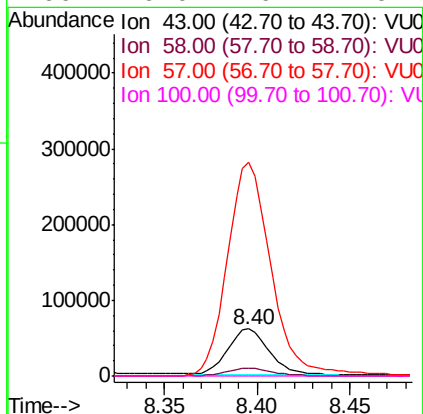
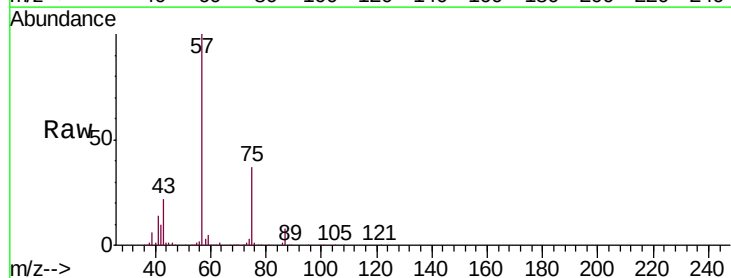
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ5

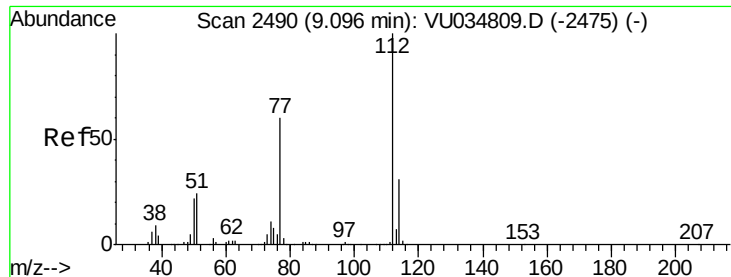
Tgt Ion: 43 Resp: 81523
 Ion Ratio Lower Upper
 43 100
 58 5.7 25.2 37.8#
 100 0.0 7.7 11.5#



#48
 2-Hexanone
 Concen: 13.992 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.05 min
 Lab File: VU034822.D
 Acq: 25 Sep 2019 23:05

Tgt Ion: 43 Resp: 92401
 Ion Ratio Lower Upper
 43 100
 58 19.3 35.3 52.9#
 57 500.5 12.1 18.1#
 100 0.0 6.2 9.4#

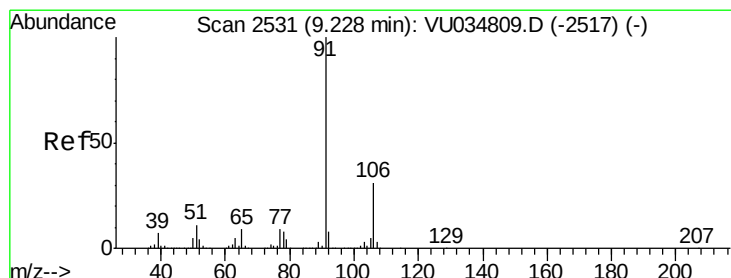
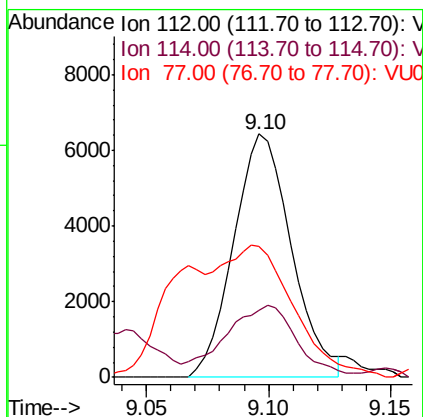
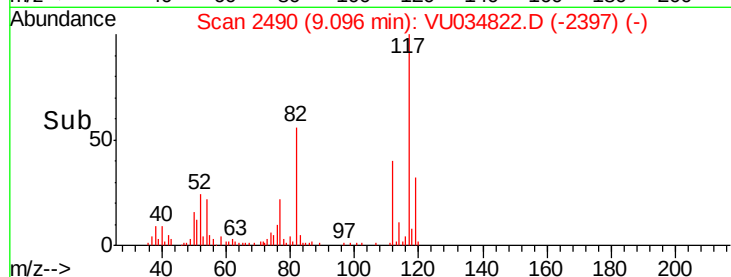
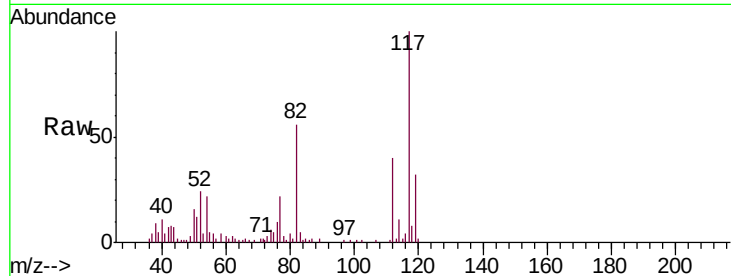




#51
Chlorobenzene
Concen: 1.083 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034822.D
Acq: 25 Sep 2019 23:05

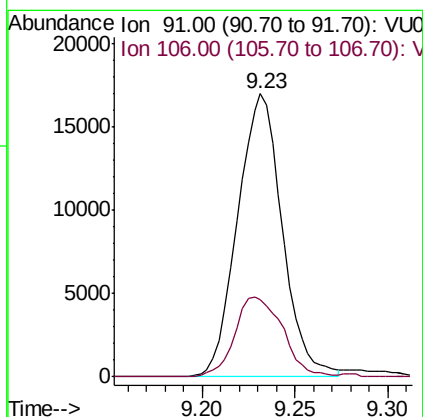
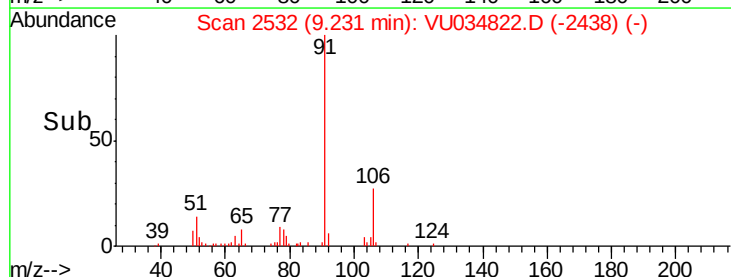
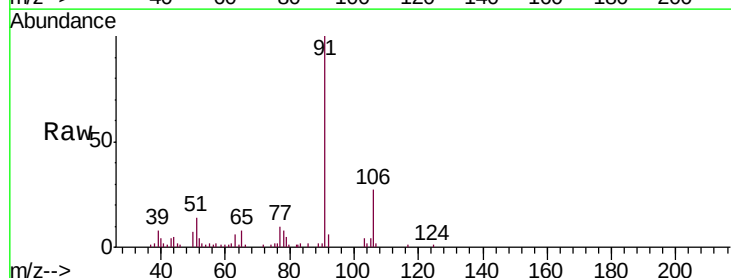
Instrument :
MSVOA_U
ClientSampleId :
BFDJ5

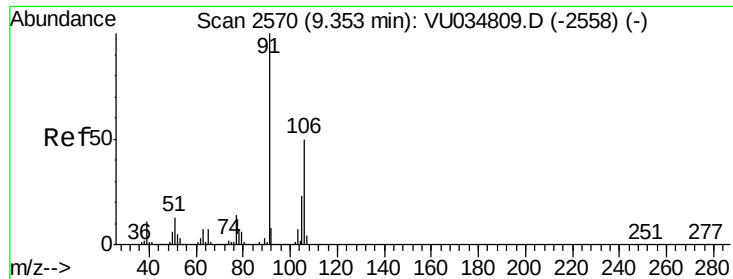
Tgt Ion: 112 Resp: 10578
Ion Ratio Lower Upper
112 100
114 27.5 22.8 42.4
77 53.9 51.5 77.3



#52
Ethylbenzene
Concen: 1.573 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034822.D
Acq: 25 Sep 2019 23:05

Tgt Ion: 91 Resp: 28480
Ion Ratio Lower Upper
91 100
106 27.3 20.6 38.4





#53

m,p-Xylene

Concen: 6.258 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

Instrument :

MSVOA_U

ClientSampled :

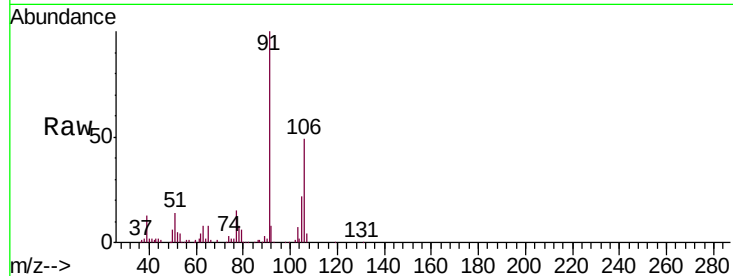
BFDJ5

Tgt Ion:106 Resp: 40125

Ion Ratio Lower Upper

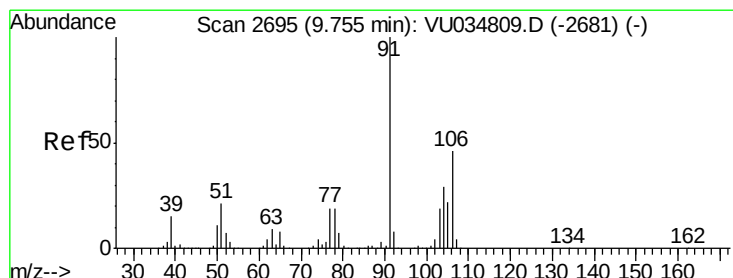
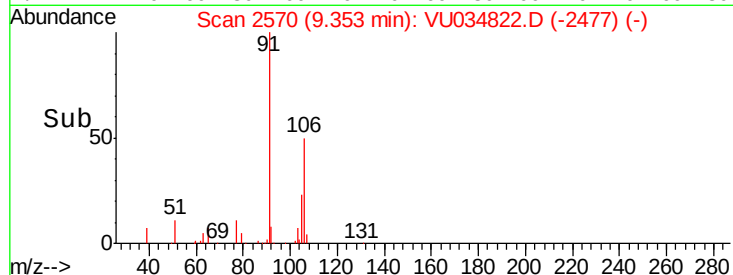
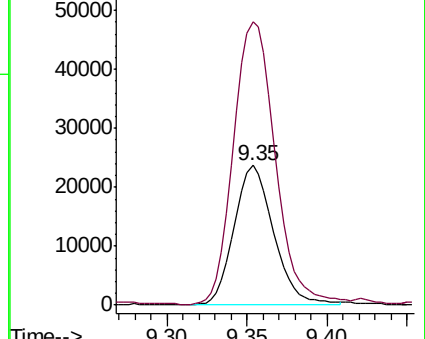
106 100

91 202.8 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.956 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034822.D

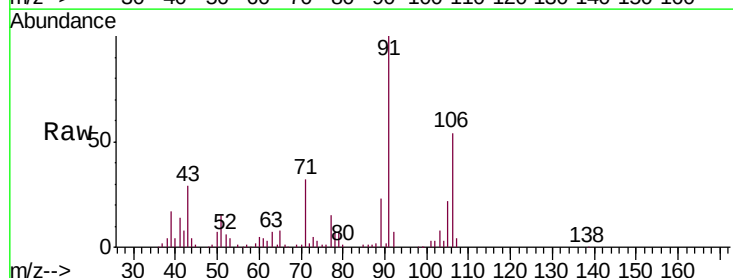
Acq: 25 Sep 2019 23:05

Tgt Ion:106 Resp: 31430

Ion Ratio Lower Upper

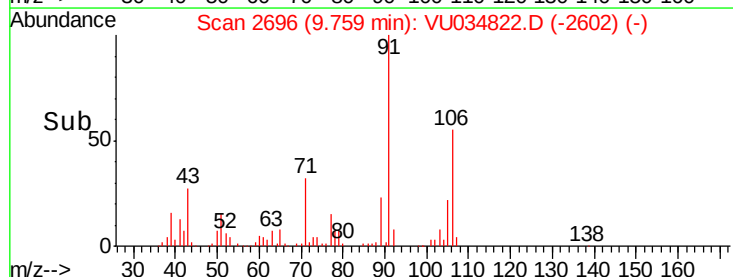
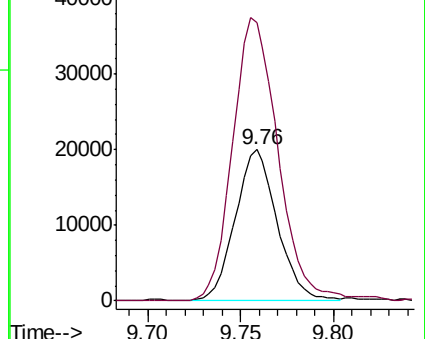
106 100

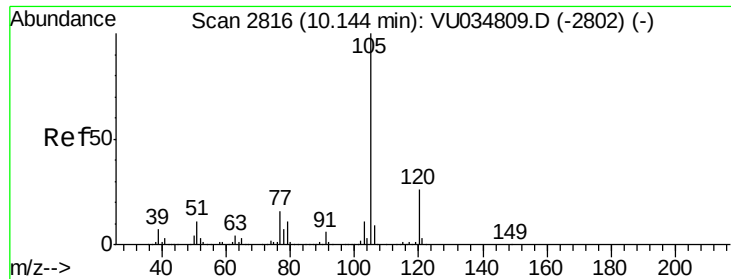
91 183.5 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.381 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

Instrument :

MSVOA_U

ClientSampleId :

BFDJ5

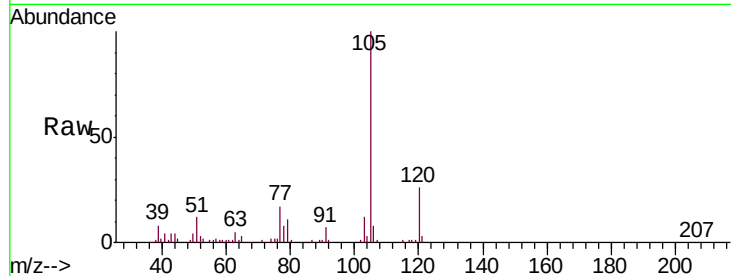
Tgt Ion:105 Resp: 40716

Ion Ratio Lower Upper

105 100

120 24.9 20.4 30.6

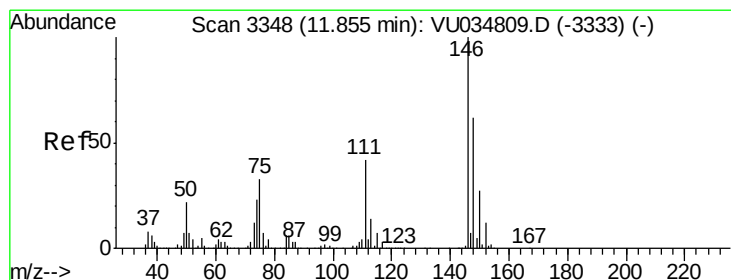
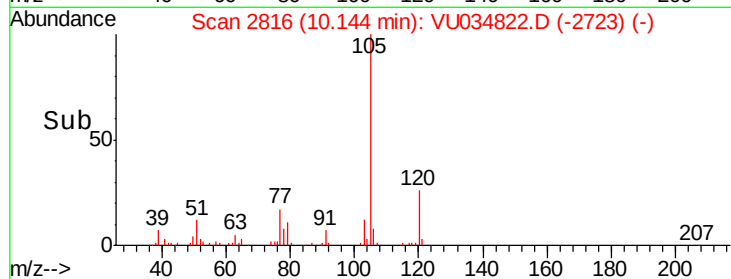
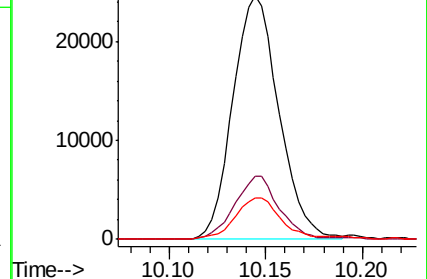
77 16.8 14.2 21.4



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): VU



#65

1,2-Dichlorobenzene

Concen: 1.119 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

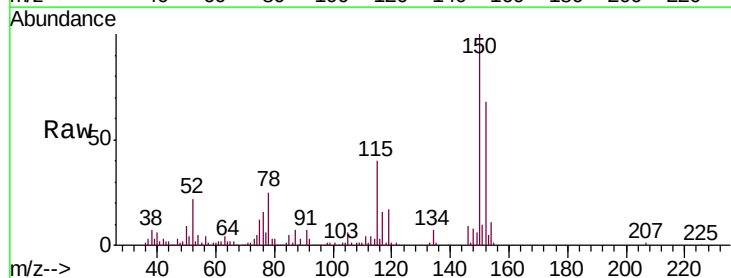
Tgt Ion:146 Resp: 7879

Ion Ratio Lower Upper

146 100

111 42.5 35.2 52.8

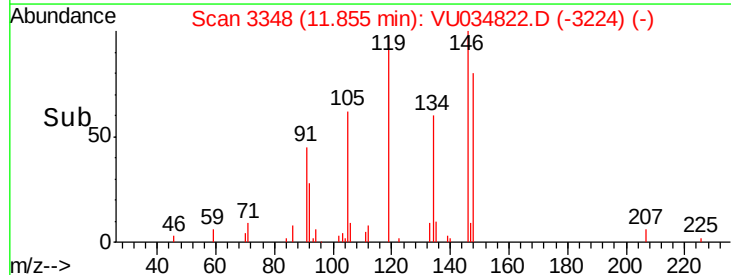
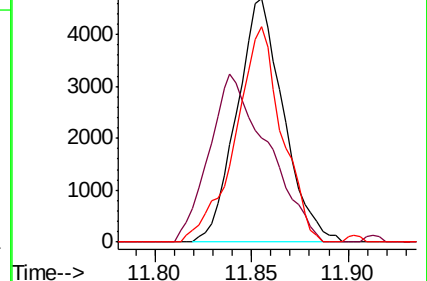
148 88.4 53.0 79.6#

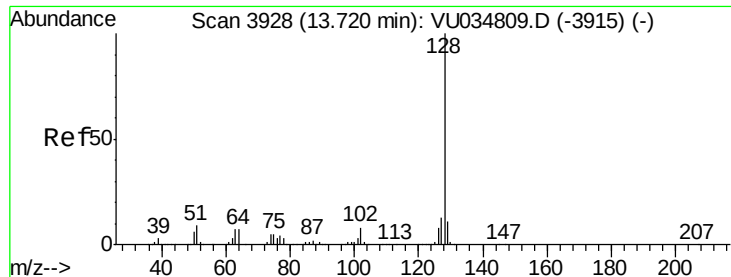


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 7.209 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034822.D

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ClientSampleId :

BFDJ5

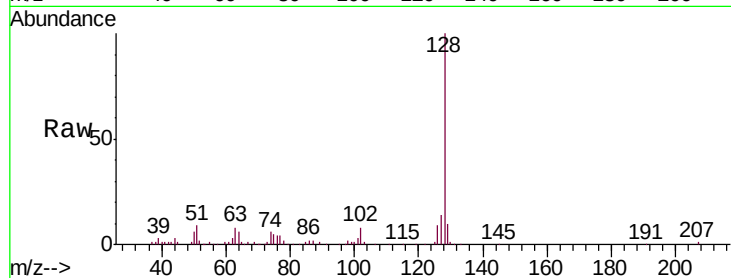
Tgt Ion:128 Resp: 91657

Ion Ratio Lower Upper

128 100

127 14.3 10.8 16.2

129 9.8 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

