

Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM1

Quant Time: Sep 26 07:00:56 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	407315	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	390172	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	176417	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	191085	45.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.66%
7) Chloroethane-d5	1.67	69	170815	53.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.26	63	260221	36.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.70%
21) 2-Butanone-d5	4.15	46	391719	122.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.57%
24) Chloroform-d	4.81	84	268	0.04	ug/L	0.19
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.08%#
26) 1,2-Dichloroethane-d4	5.29	65	233103	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.62%
32) Benzene-d6	5.32	84	699312	57.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.66%
36) 1,2-Dichloropropane-d6	6.31	67	248651	58.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	117.66%
41) Toluene-d8	7.54	98	662631	57.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.18%
43) trans-1,3-Dichloropropene-	7.83	79	104575	51.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.32%
47) 2-Hexanone-d5	8.29	63	264790	124.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.72%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333098	56.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.58%
64) 1,2-Dichlorobenzene-d4	11.84	152	228946	61.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.78%#

Target Compounds

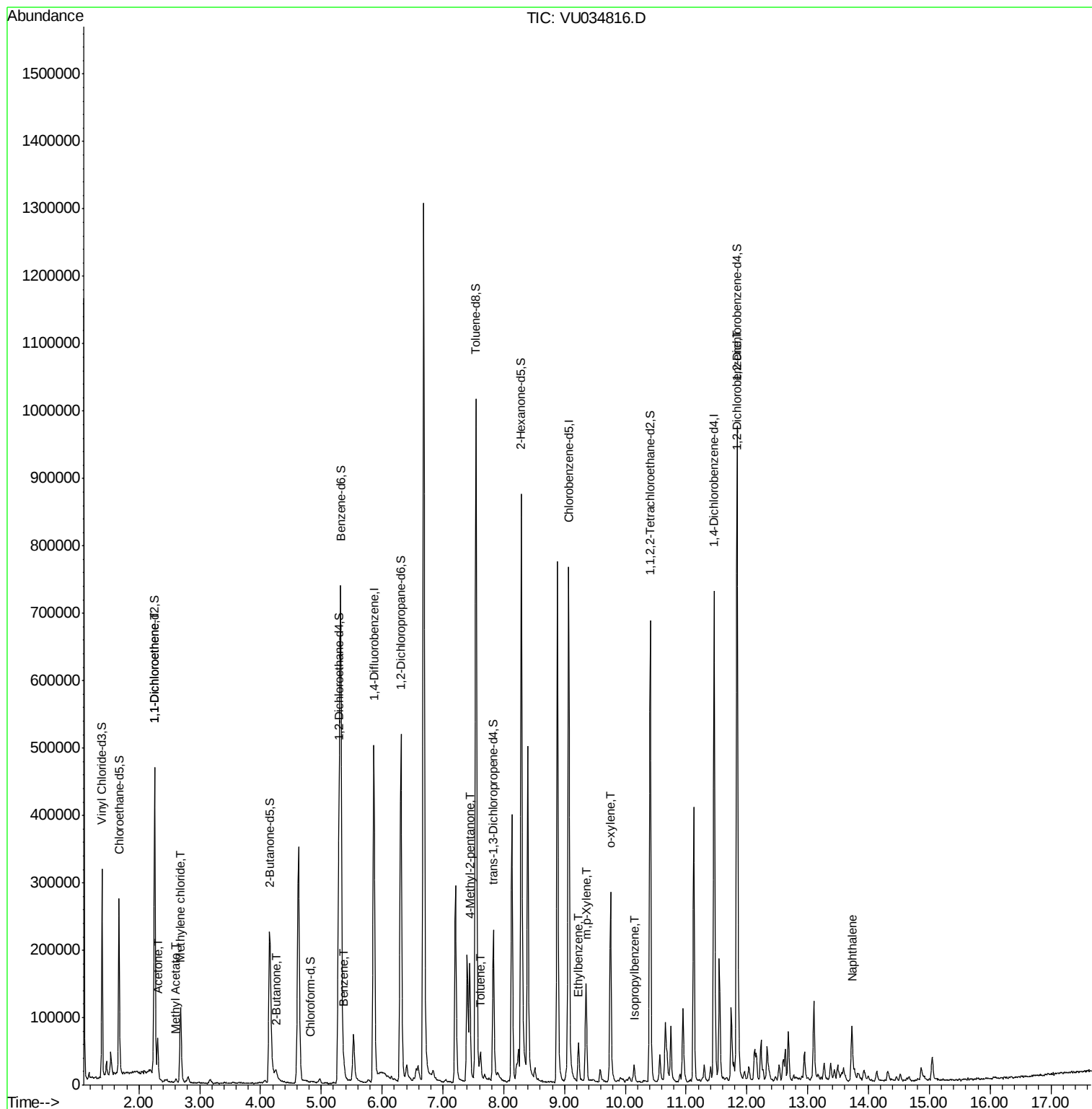
					Qvalue	
12) 1,1-Dichloroethene	2.26	96	2146	0.805	ug/L #	1
13) Acetone	2.31	43	62359	16.774	ug/L	87
15) Methyl Acetate	2.61	43	5923	1.193	ug/L #	90
16) Methylene chloride	2.68	84	44306	13.125	ug/L	93
22) 2-Butanone	4.26	43	28135	6.362	ug/L	88
33) Benzene	5.37	78	19561	1.446	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	116674	15.167	ug/L #	87
42) Toluene	7.62	91	25942	1.774	ug/L	91
52) Ethylbenzene	9.23	91	41754	2.535	ug/L	97
53) m,p-Xylene	9.35	106	41484	7.112	ug/L	97
54) o-xylene	9.76	106	59791	10.364	ug/L	94
56) Isopropylbenzene	10.14	105	14177	0.911	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	18384	2.978	ug/L #	93
69) Naphthalene	13.73	128	76478	6.863	ug/L	99

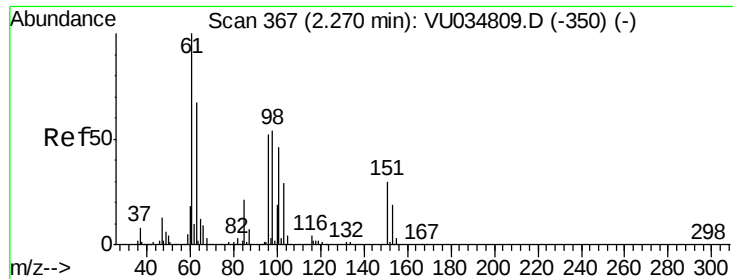
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.805 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU034816.D

Acq: 25 Sep 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

BFDM1

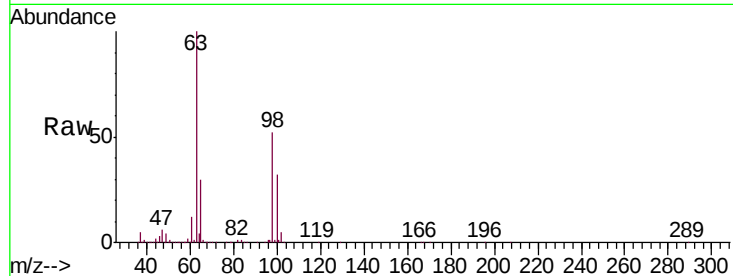
Tgt Ion: 96 Resp: 2146

Ion Ratio Lower Upper

96 100

61 1788.5 153.2 284.4#

63 14345.2 113.8 211.3#

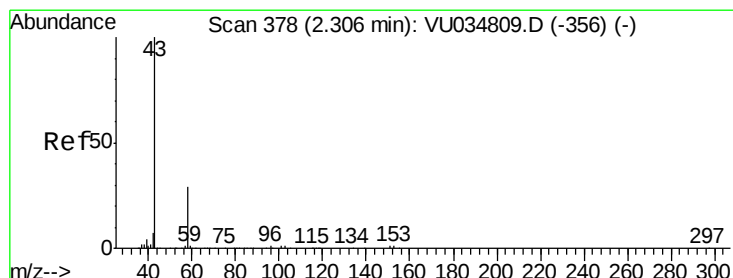
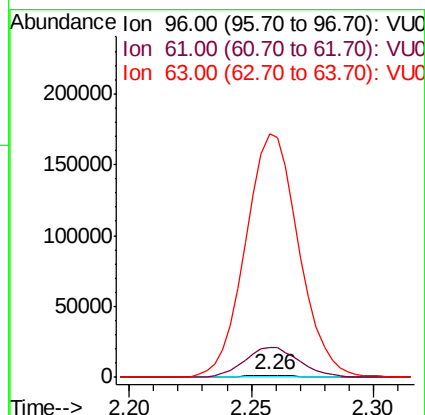
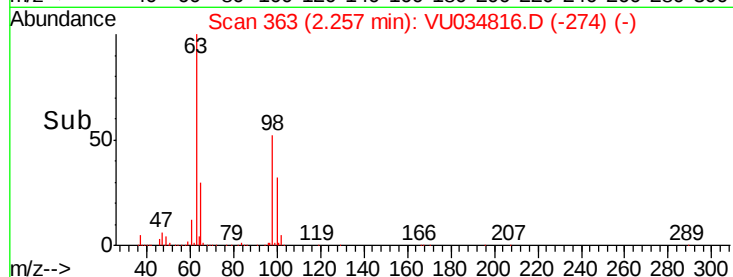


Abundance Ion 96.00 (95.70 to 96.70): VU034816.D (-274) (-)

Ion 61.00 (60.70 to 61.70): VU034816.D (-274) (-)

Ion 63.00 (62.70 to 63.70): VU034816.D (-274) (-)

Time-->



#13

Acetone

Concen: 16.774 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034816.D

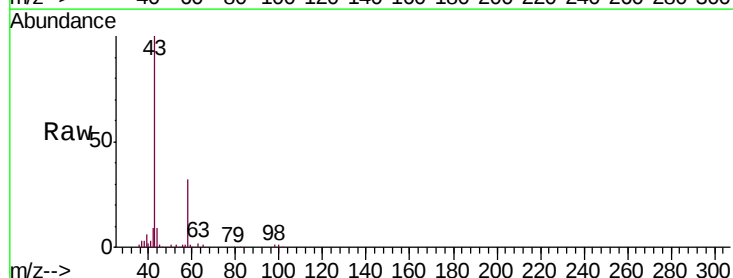
Acq: 25 Sep 2019 20:44

Tgt Ion: 43 Resp: 62359

Ion Ratio Lower Upper

43 100

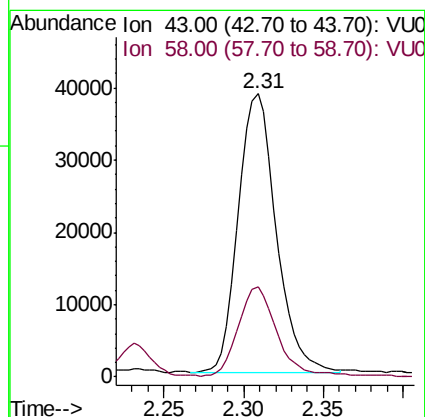
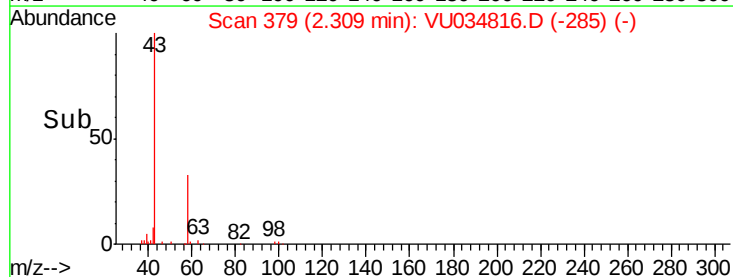
58 33.4 0.0 53.4

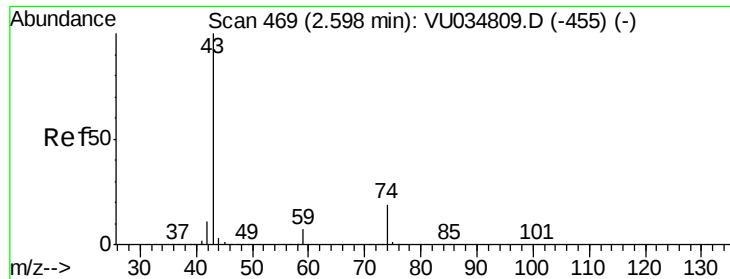


Abundance Ion 43.00 (42.70 to 43.70): VU034816.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU034816.D (-285) (-)

Time-->

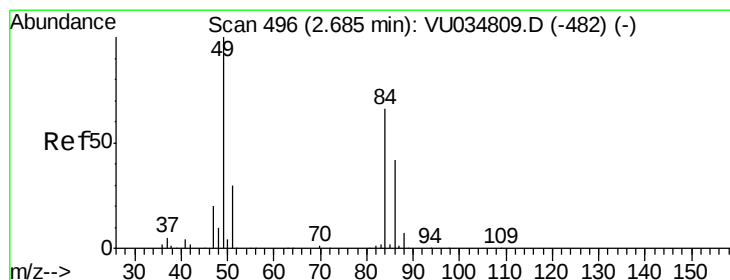
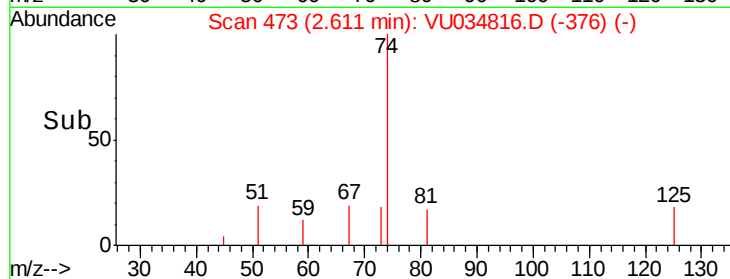
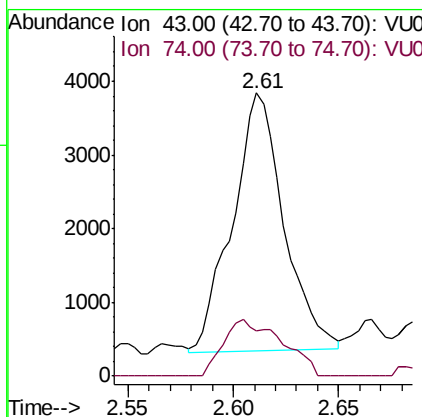
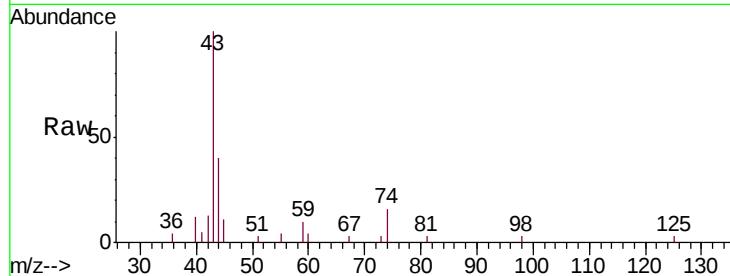




#15
Methyl Acetate
Concen: 1.193 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

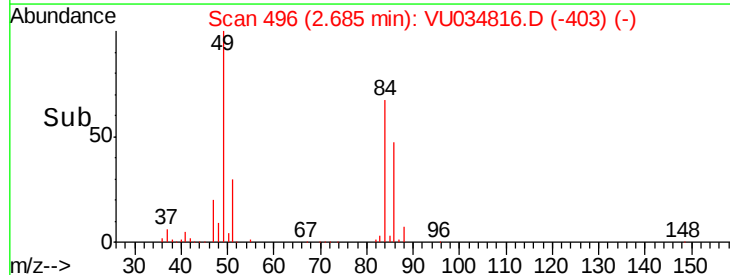
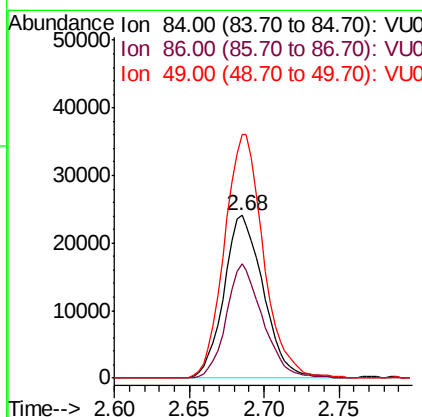
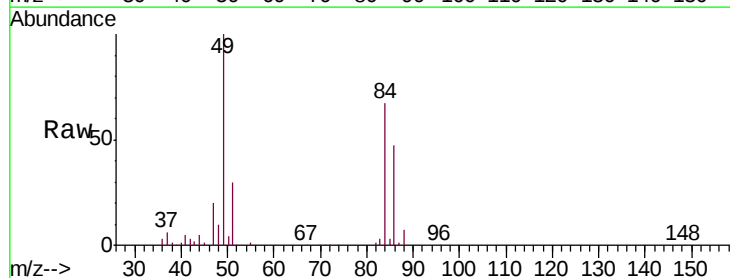
Instrument :
MSVOA_U
ClientSampled :
BFDM1

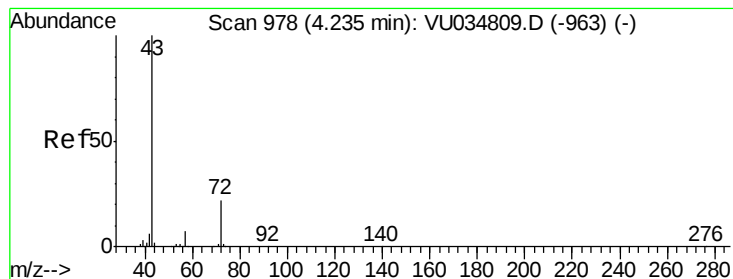
Tgt Ion: 43 Resp: 5923
Ion Ratio Lower Upper
43 100
74 13.7 14.4 21.6#



#16
Methylene chloride
Concen: 13.125 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 84 Resp: 44306
Ion Ratio Lower Upper
84 100
86 70.1 43.0 80.0
49 150.0 109.7 203.7





#22

2-Butanone

Concen: 6.362 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.02 min

Lab File: VU034816.D

Acq: 25 Sep 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

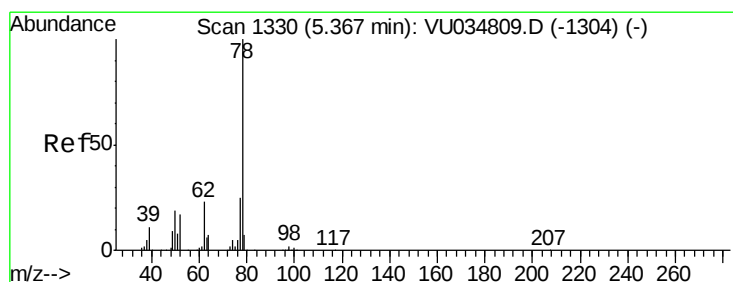
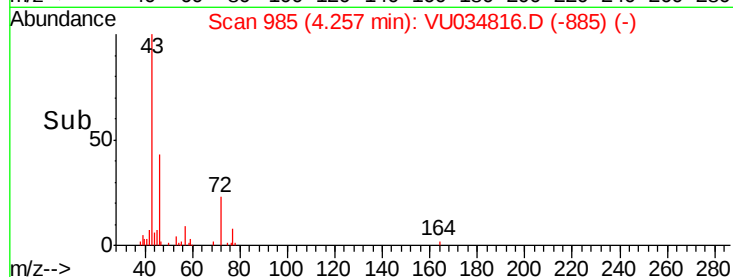
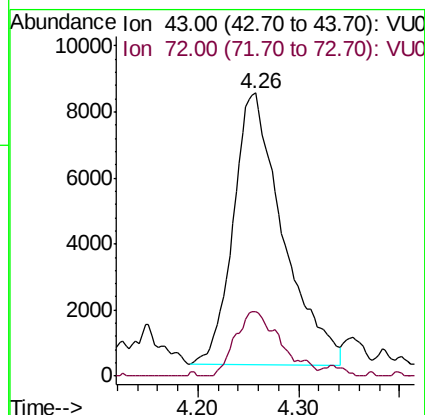
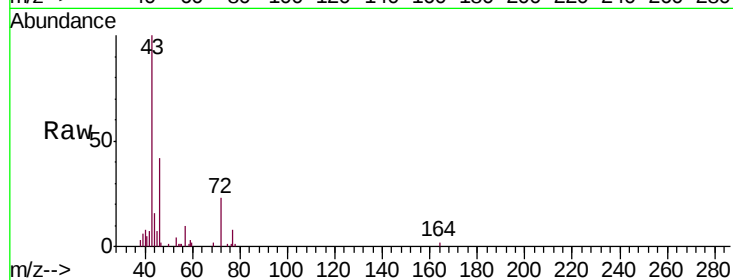
BFDM1

Tgt Ion: 43 Resp: 28135

Ion Ratio Lower Upper

43 100

72 14.7 10.2 30.6



#33

Benzene

Concen: 1.446 ug/L

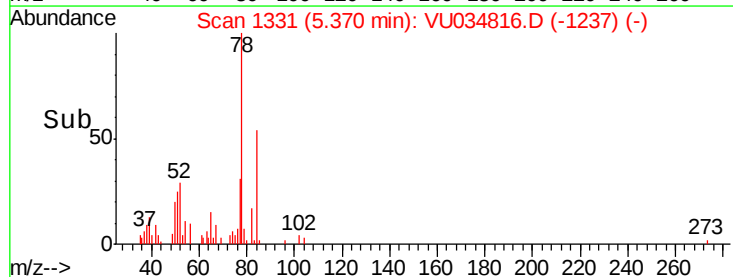
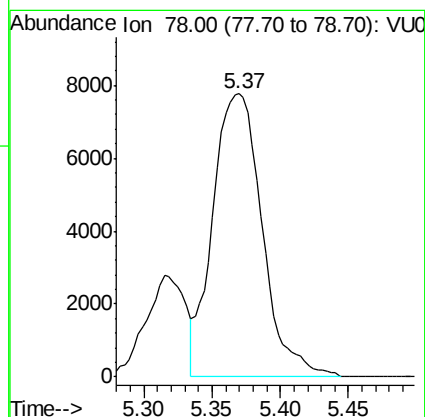
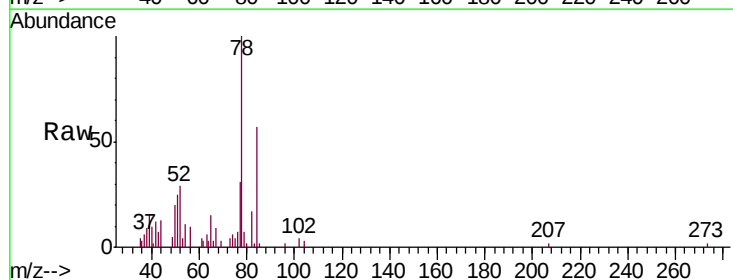
RT: 5.37 min Scan# 1331

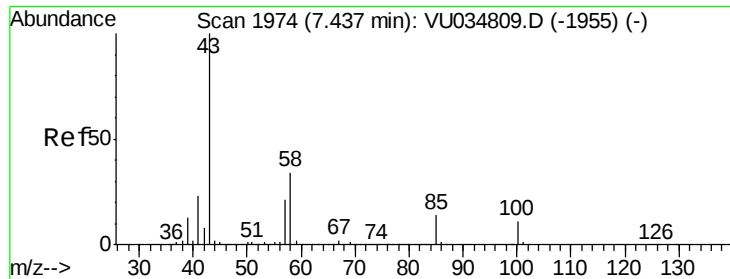
Delta R.T. 0.00 min

Lab File: VU034816.D

Acq: 25 Sep 2019 20:44

Tgt Ion: 78 Resp: 19561

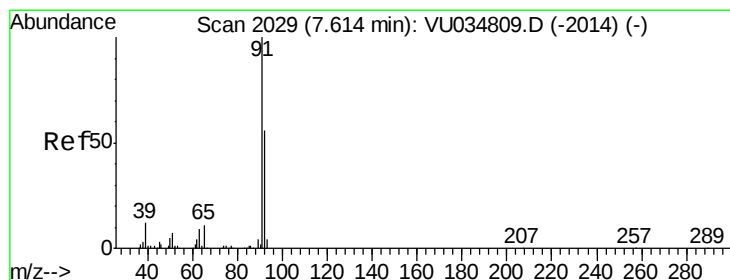
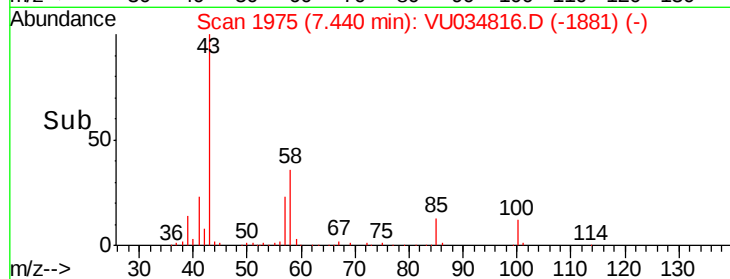
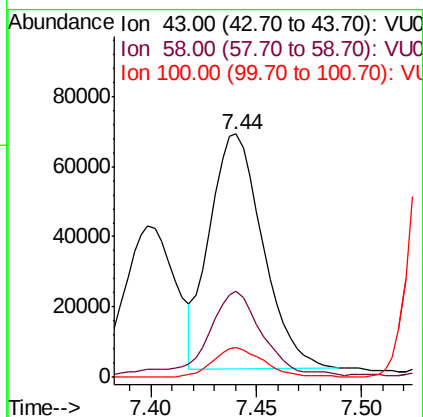
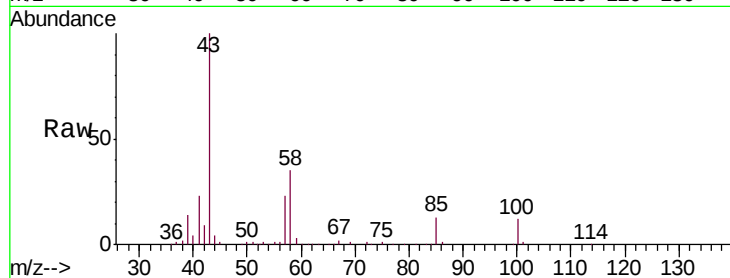




#40
4-Methyl-2-pentanone
Concen: 15.167 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

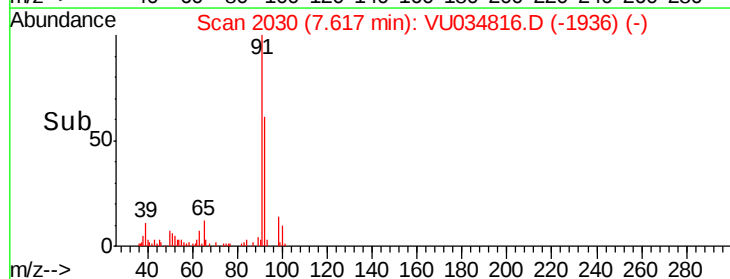
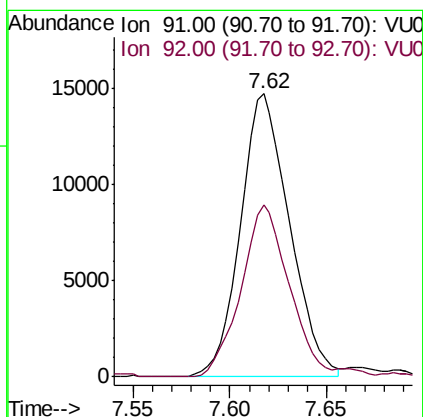
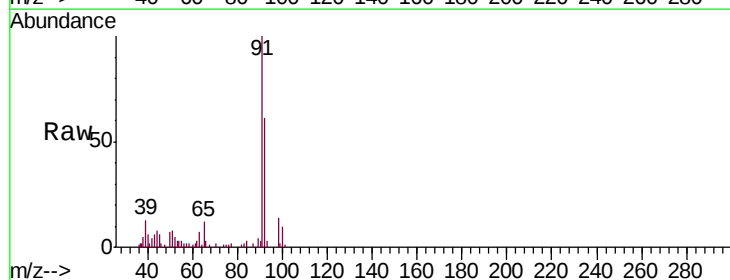
Instrument :
MSVOA_U
ClientSampleId :
BFDM1

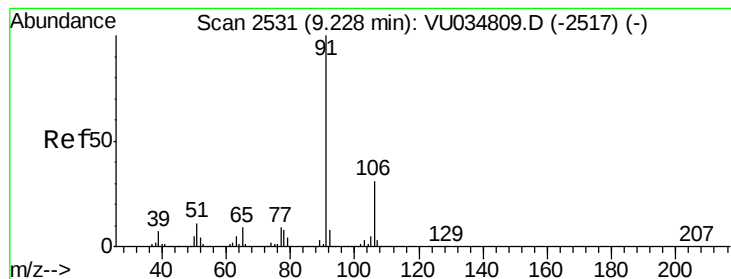
Tgt Ion: 43 Resp: 116674
Ion Ratio Lower Upper
43 100
58 40.0 25.2 37.8#
100 12.0 7.7 11.5#



#42
Toluene
Concen: 1.774 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034816.D
Acq: 25 Sep 2019 20:44

Tgt Ion: 91 Resp: 25942
Ion Ratio Lower Upper
91 100
92 60.9 38.2 71.0





#52

Ethylbenzene

Concen: 2.535 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034816.D

Acq: 25 Sep 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

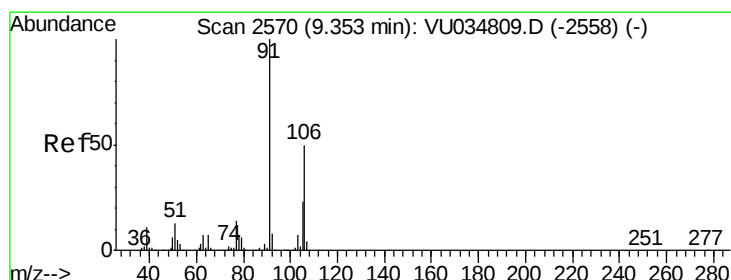
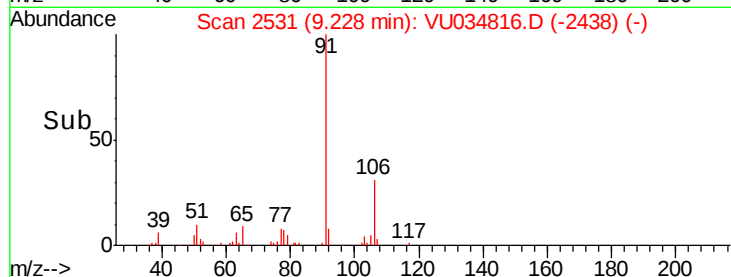
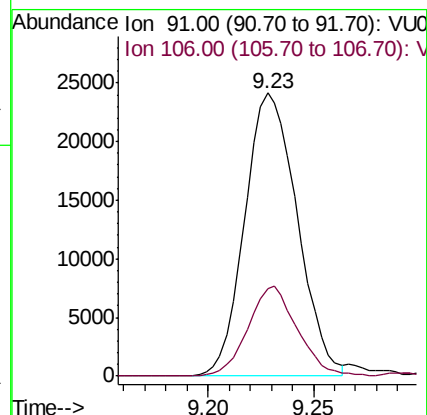
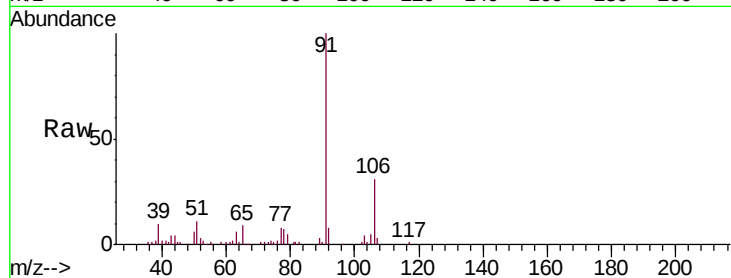
BFDM1

Tgt Ion: 91 Resp: 41754

Ion Ratio Lower Upper

91 100

106 30.9 20.6 38.4



#53

m,p-Xylene

Concen: 7.112 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034816.D

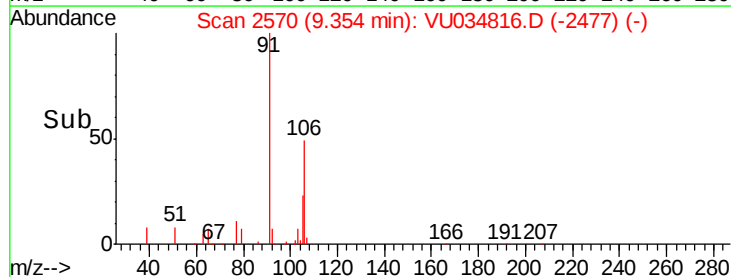
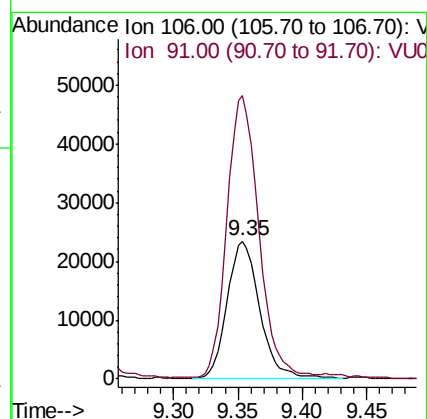
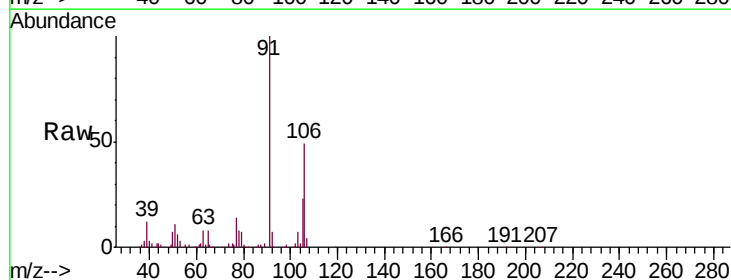
Acq: 25 Sep 2019 20:44

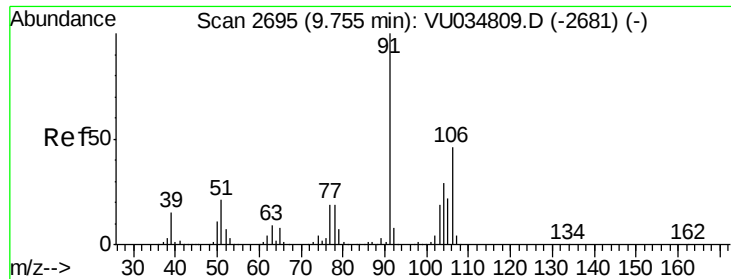
Tgt Ion: 106 Resp: 41484

Ion Ratio Lower Upper

106 100

91 205.1 146.9 272.7





#54

o-xylene

Concen: 10.364 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034816.D

Acq: 25 Sep 2019 20:44

Instrument :

MSVOA_U

ClientSampled :

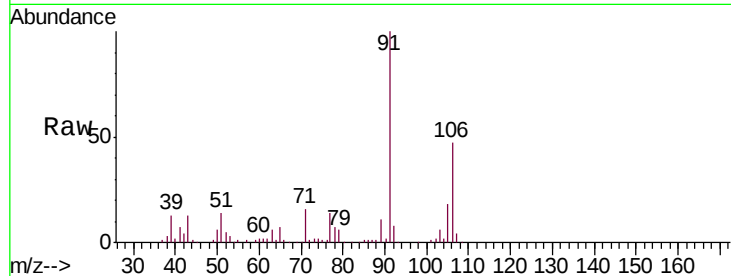
BFDM1

Tgt Ion:106 Resp: 59791

Ion Ratio Lower Upper

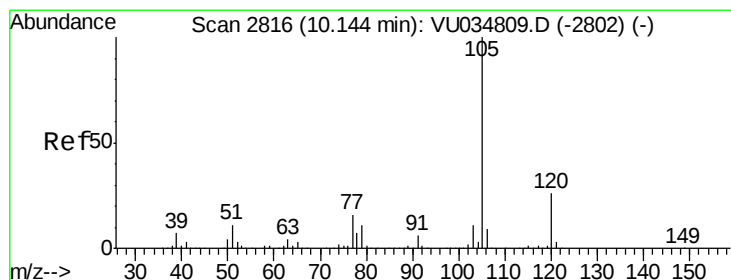
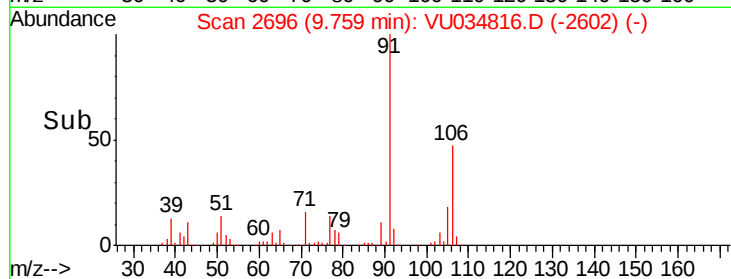
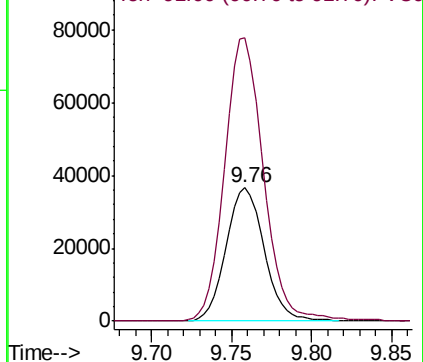
106 100

91 212.5 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 0.911 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034816.D

Acq: 25 Sep 2019 20:44

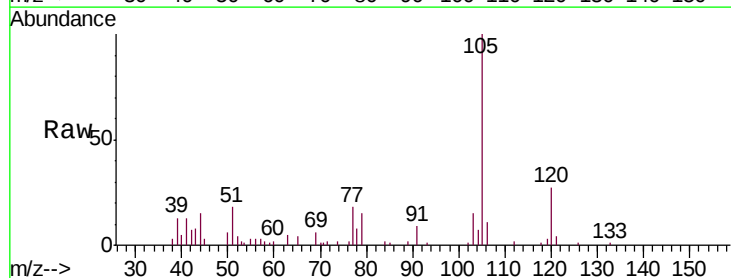
Tgt Ion:105 Resp: 14177

Ion Ratio Lower Upper

105 100

120 27.4 20.4 30.6

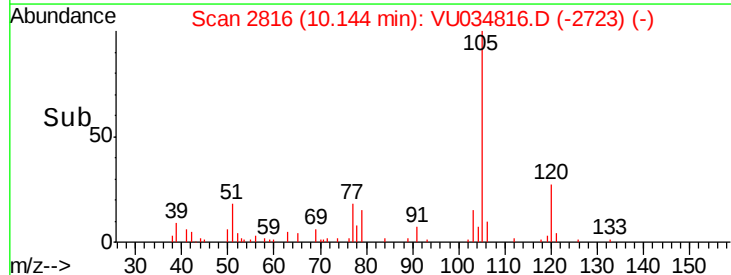
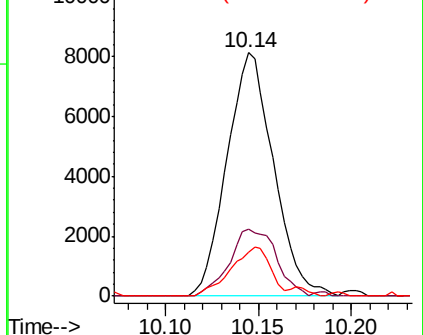
77 16.9 14.2 21.4

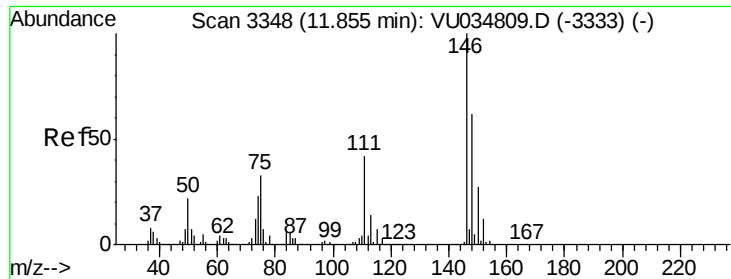


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#65

1,2-Dichlorobenzene

Concen: 2.978 ug/L

RT: 11.85 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VU034816.D

Acq: 25 Sep 2019 20:44

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ClientSampleId :

BFDM1

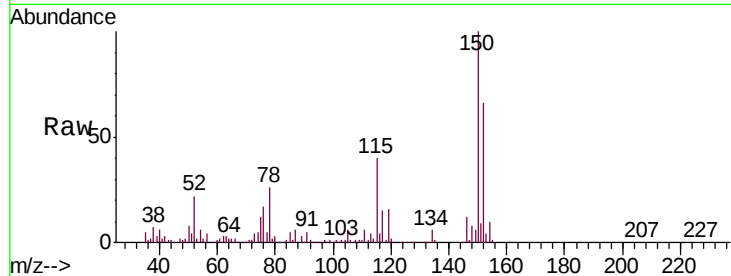
Tgt Ion:146 Resp: 18384

Ion Ratio Lower Upper

146 100

111 53.4 35.2 52.8#

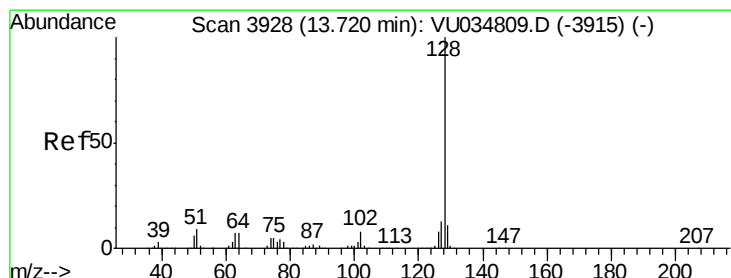
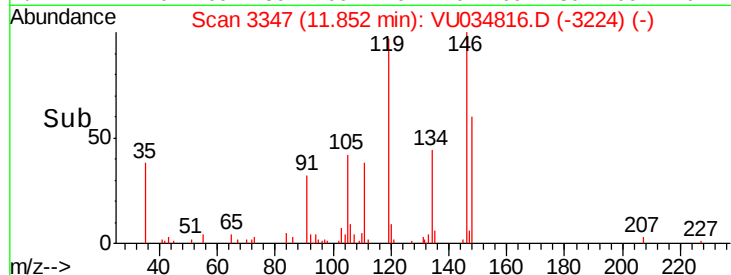
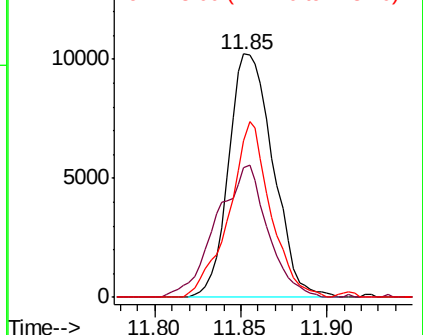
148 64.3 53.0 79.6



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: 6.863 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034816.D

Acq: 25 Sep 2019 20:44

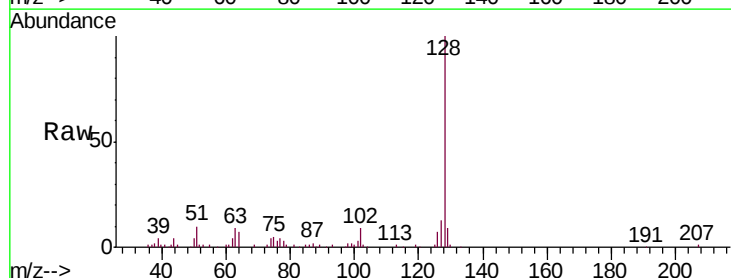
Tgt Ion:128 Resp: 76478

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 10.5 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

