

Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDJ7

Quant Time: Sep 26 07:03:22 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	438225	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	423089	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	196144	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	183585	40.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.84%
7) Chloroethane-d5	1.67	69	161480	46.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.14%
11) 1,1-Dichloroethene-d2	2.26	63	249355	32.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.64%
21) 2-Butanone-d5	4.15	46	412656	120.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.02%
24) Chloroform-d	4.62	84	315337	48.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.70%
26) 1,2-Dichloroethane-d4	5.29	65	218433	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
32) Benzene-d6	5.32	84	663885	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.26%
36) 1,2-Dichloropropane-d6	6.31	67	238685	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.14%
41) Toluene-d8	7.54	98	630653	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%
43) trans-1,3-Dichloropropene-	7.83	79	101852	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.80%
47) 2-Hexanone-d5	8.29	63	275680	119.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.75%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	326635	51.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.72%
64) 1,2-Dichlorobenzene-d4	11.84	152	227914	55.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.82%

Target Compounds

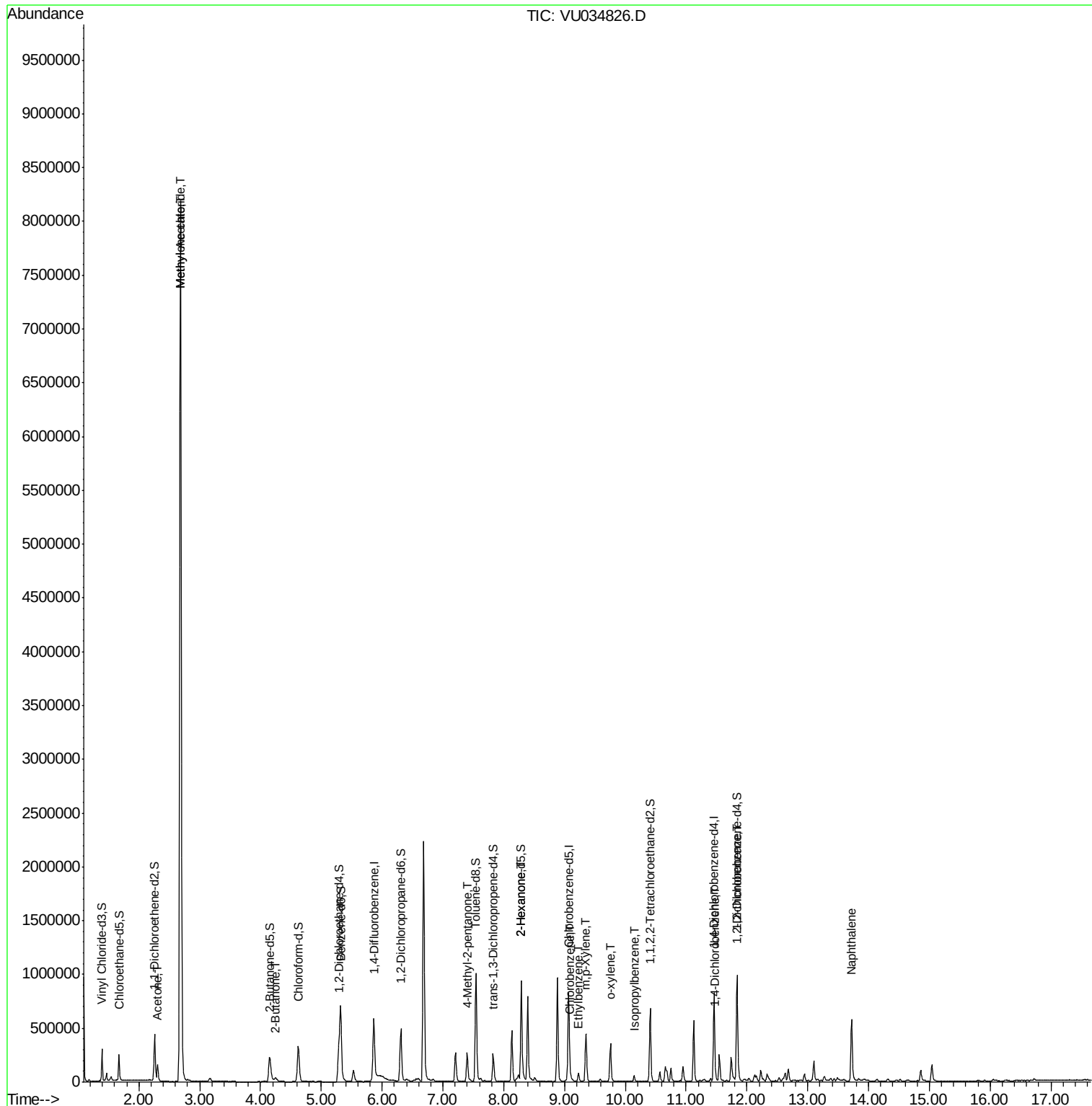
					Qvalue
13) Acetone	2.31	43	163921	40.984	ug/L 99
15) Methyl Acetate	2.68	43	16349	3.060	ug/L 98
16) Methylene chloride	2.68	84	3233750	890.384	ug/L 96
22) 2-Butanone	4.24	43	51163	10.752	ug/L 91
40) 4-Methyl-2-pentanone	7.40	43	105610	12.660	ug/L # 58
48) 2-Hexanone	8.29	43	146848	22.540	ug/L # 52
51) Chlorobenzene	9.10	112	18305	1.899	ug/L 94
52) Ethylbenzene	9.23	91	52479	2.939	ug/L 89
53) m,p-Xylene	9.35	106	125755	19.882	ug/L 99
54) o-xylene	9.76	106	70130	11.210	ug/L 89
56) Isopropylbenzene	10.14	105	35136	2.083	ug/L 99
63) 1,4-Dichlorobenzene	11.49	146	6162	0.891	ug/L 91
65) 1,2-Dichlorobenzene	11.85	146	17645	2.571	ug/L 91
69) Naphthalene	13.72	128	455746	36.784	ug/L 99

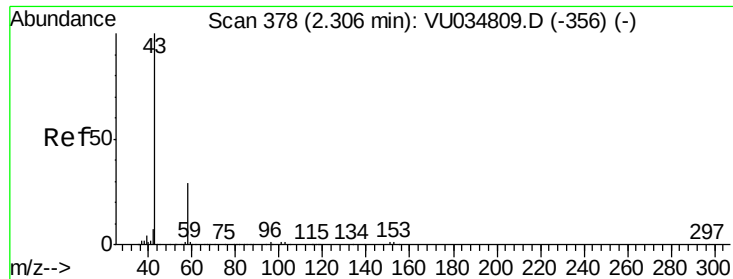
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 40.984 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034826.D

Acq: 26 Sep 2019 00:39

Instrument :

MSVOA_U

ClientSampleId :

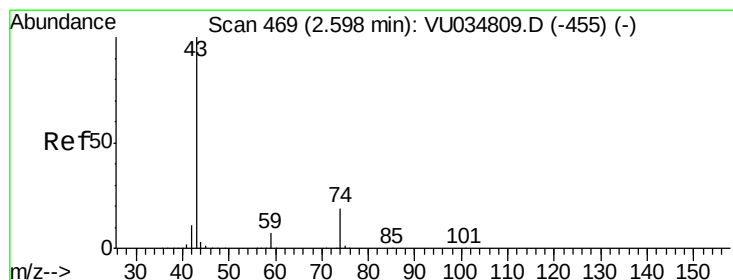
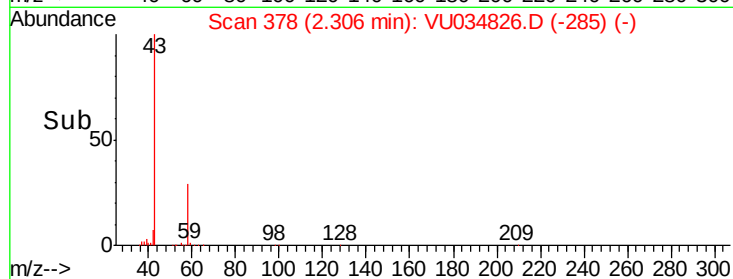
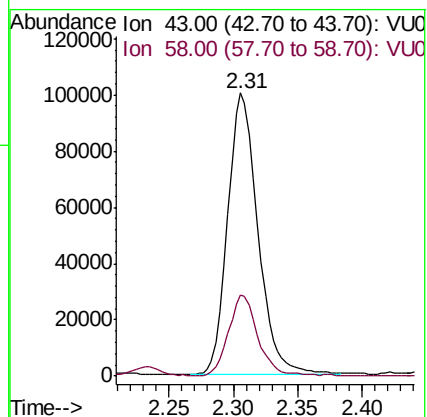
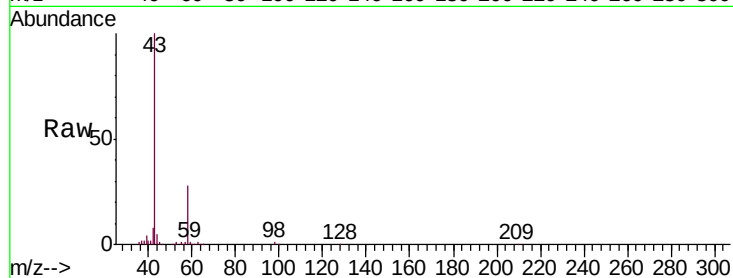
BFDJ7

Tgt Ion: 43 Resp: 163921

Ion Ratio Lower Upper

43 100

58 27.4 0.0 53.4



#15

Methyl Acetate

Concen: 3.060 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.09 min

Lab File: VU034826.D

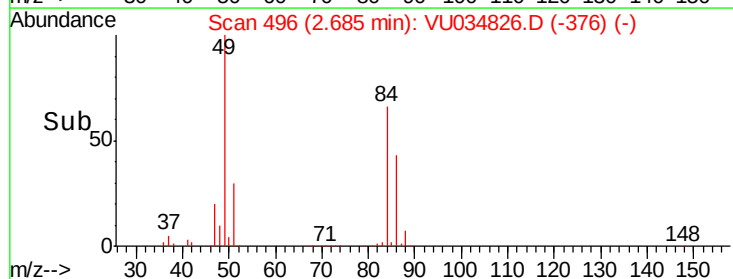
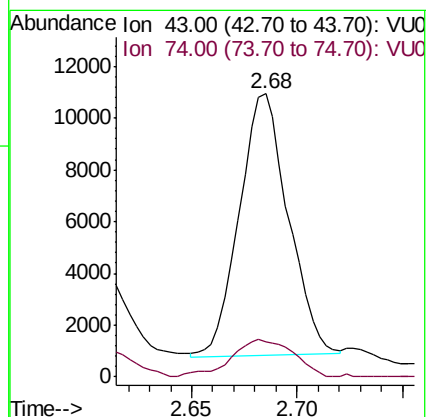
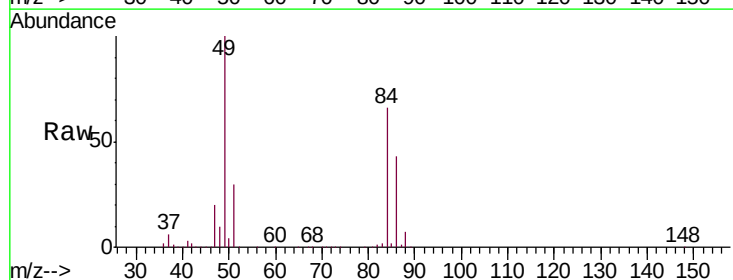
Acq: 26 Sep 2019 00:39

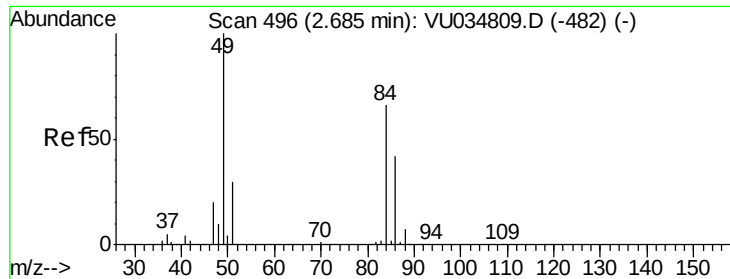
Tgt Ion: 43 Resp: 16349

Ion Ratio Lower Upper

43 100

74 16.9 14.4 21.6

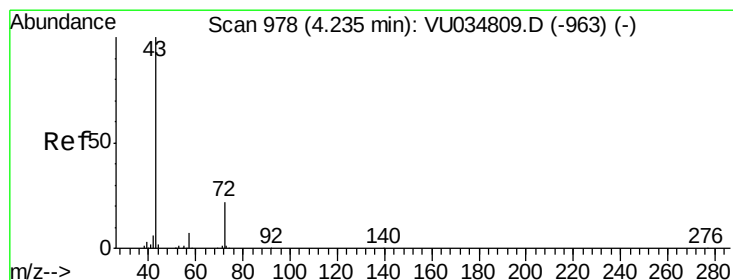
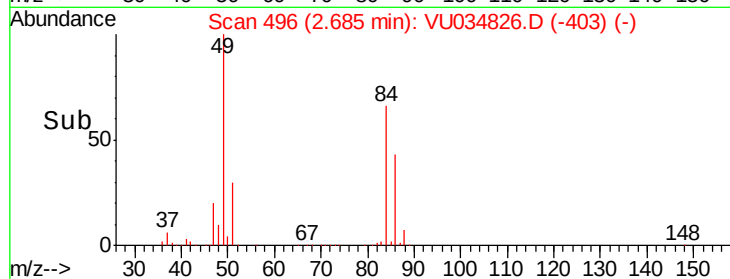
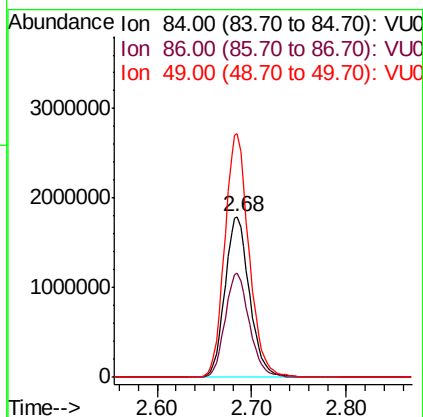
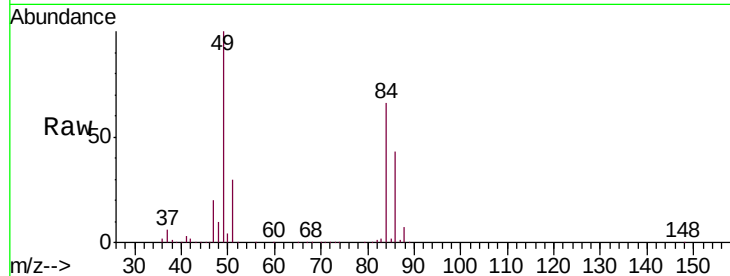




#16
Methylene chloride
Concen: 890.384 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034826.D
Acq: 26 Sep 2019 00:39

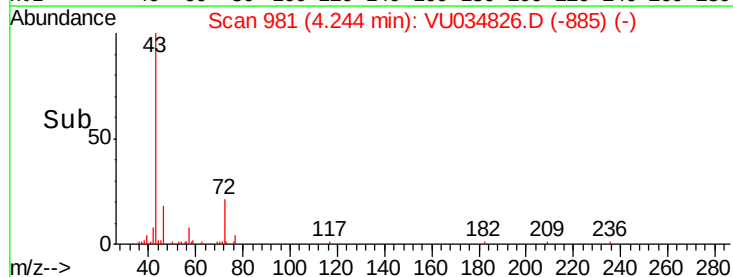
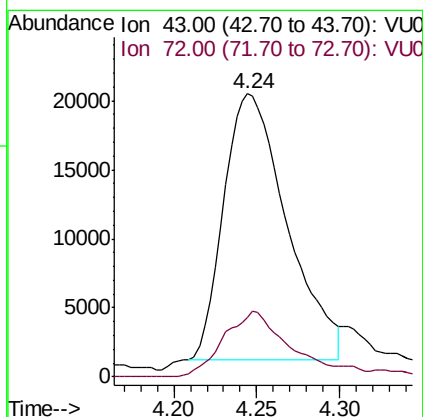
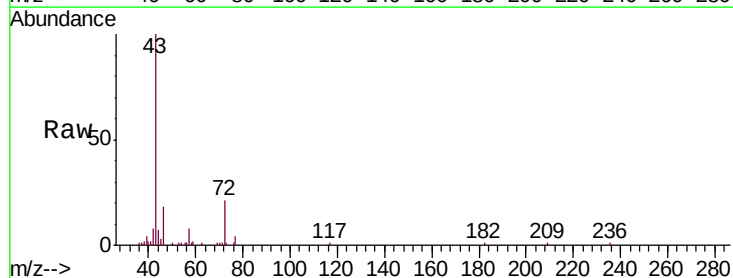
Instrument :
MSVOA_U
ClientSampleId :
BFDJ7

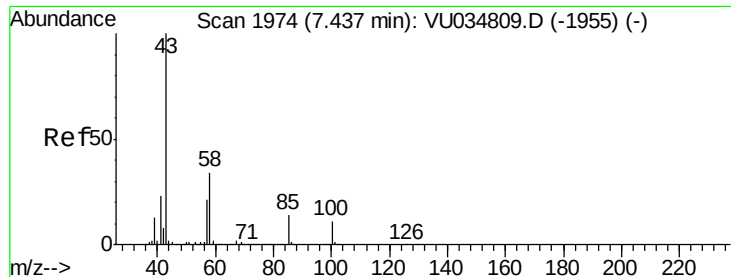
Tgt Ion: 84 Resp: 3233750
Ion Ratio Lower Upper
84 100
86 64.5 43.0 80.0
49 151.6 109.7 203.7



#22
2-Butanone
Concen: 10.752 ug/L
RT: 4.24 min Scan# 981
Delta R.T. 0.01 min
Lab File: VU034826.D
Acq: 26 Sep 2019 00:39

Tgt Ion: 43 Resp: 51163
Ion Ratio Lower Upper
43 100
72 24.7 10.2 30.6

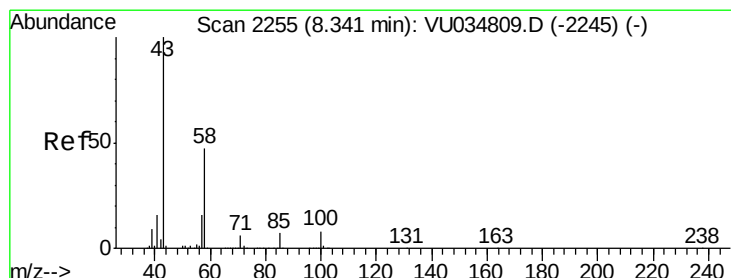
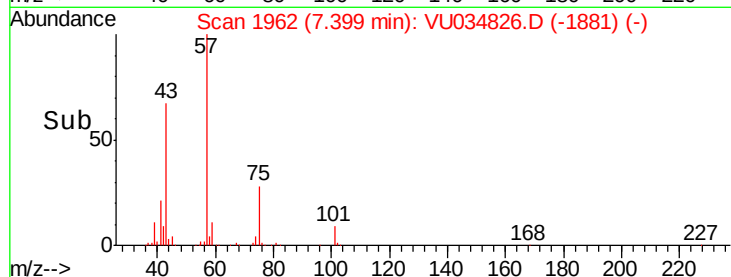
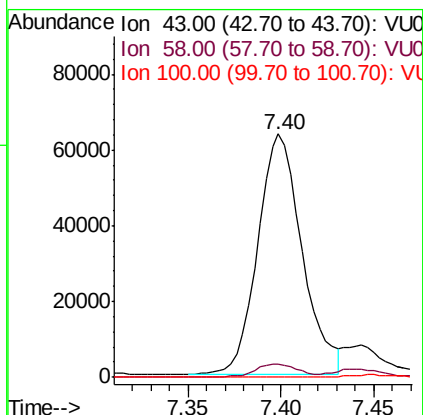
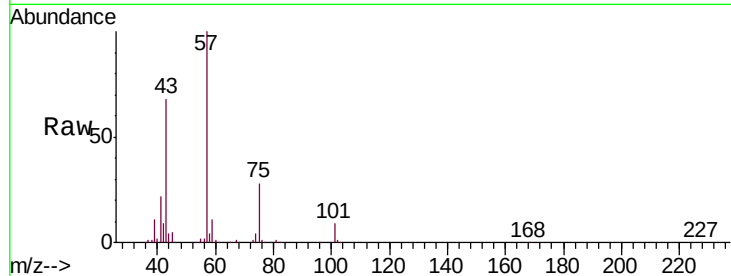




#40
 4-Methyl-2-pentanone
 Concen: 12.660 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034826.D
 Acq: 26 Sep 2019 00:39

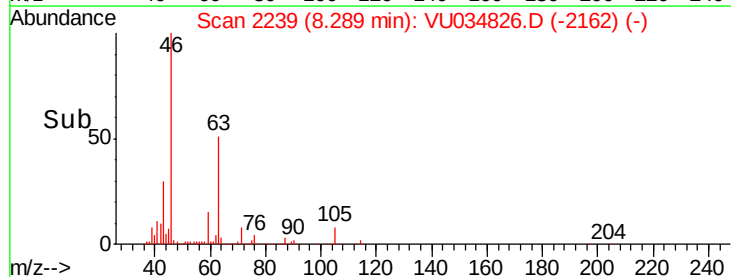
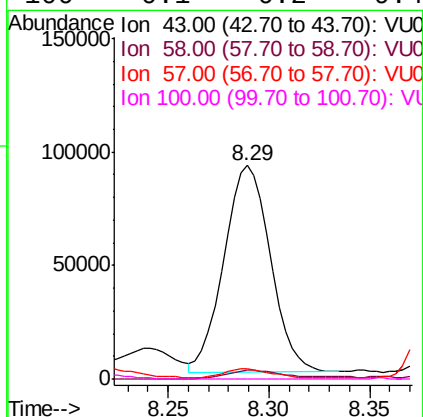
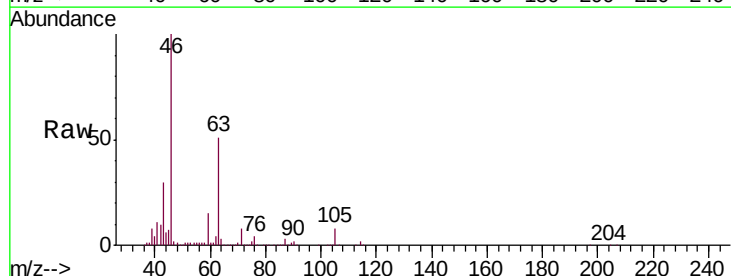
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ7

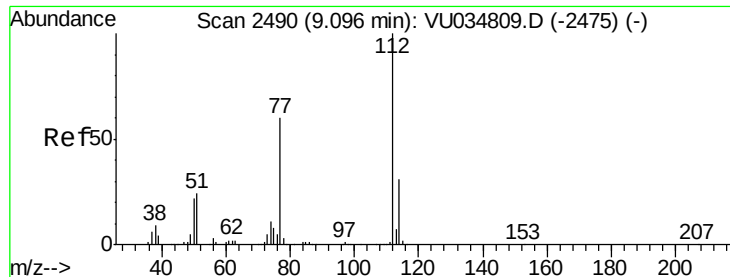
Tgt Ion: 43 Resp: 105610
 Ion Ratio Lower Upper
 43 100
 58 5.5 25.2 37.8#
 100 0.0 7.7 11.5#



#48
 2-Hexanone
 Concen: 22.540 ug/L
 RT: 8.29 min Scan# 2239
 Delta R.T. -0.05 min
 Lab File: VU034826.D
 Acq: 26 Sep 2019 00:39

Tgt Ion: 43 Resp: 146848
 Ion Ratio Lower Upper
 43 100
 58 5.4 35.3 52.9#
 57 4.7 12.1 18.1#
 100 0.1 6.2 9.4#





#51

Chlorobenzene

Concen: 1.899 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034826.D

Acq: 26 Sep 2019 00:39

Instrument :

MSVOA_U

ClientSampleId :

BFDJ7

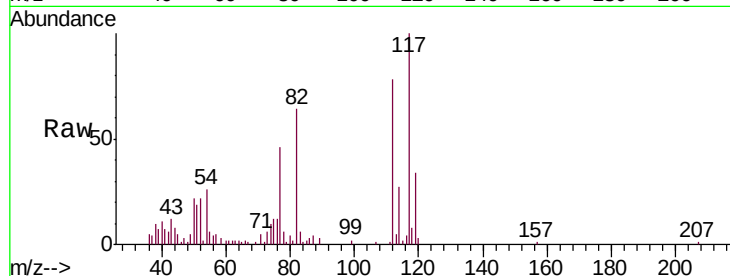
Tgt Ion: 112 Resp: 18305

Ion Ratio Lower Upper

112 100

114 34.9 22.8 42.4

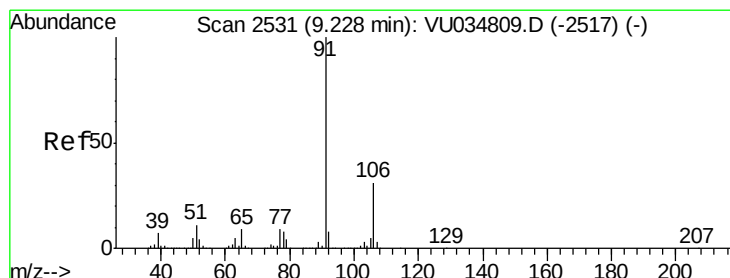
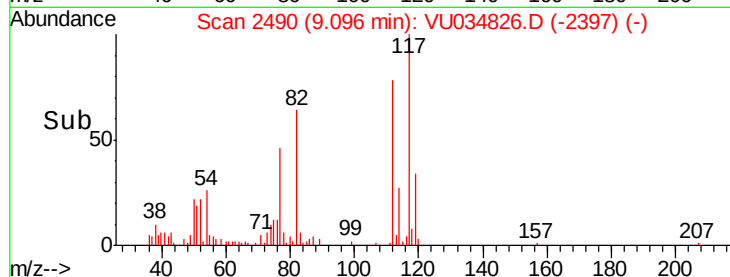
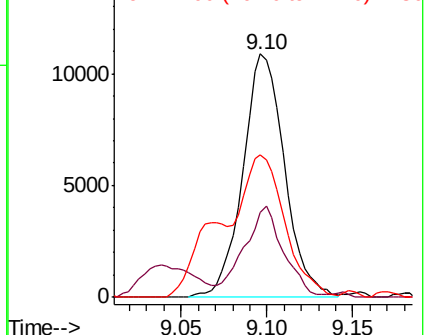
77 58.7 51.5 77.3



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): VU0



#52

Ethylbenzene

Concen: 2.939 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034826.D

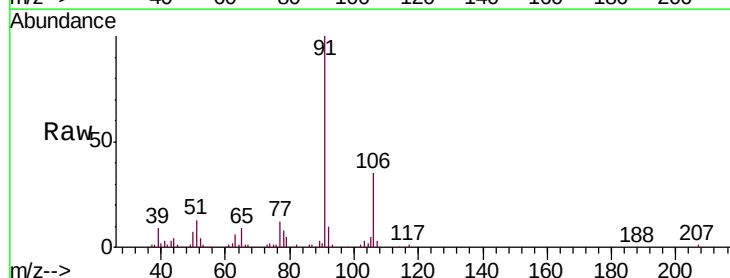
Acq: 26 Sep 2019 00:39

Tgt Ion: 91 Resp: 52479

Ion Ratio Lower Upper

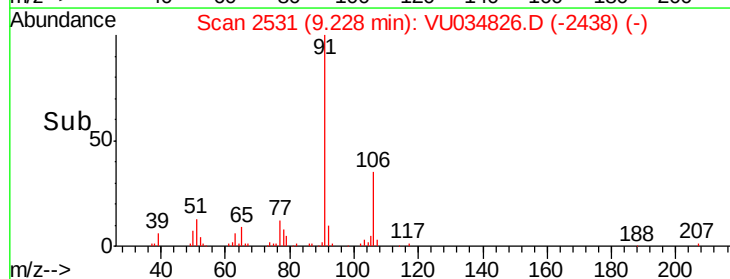
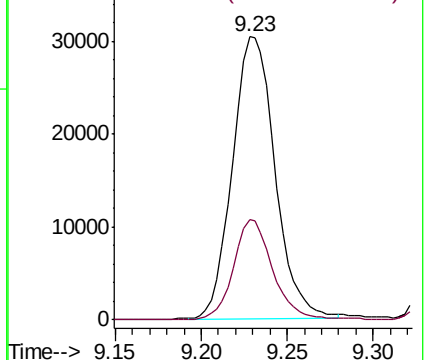
91 100

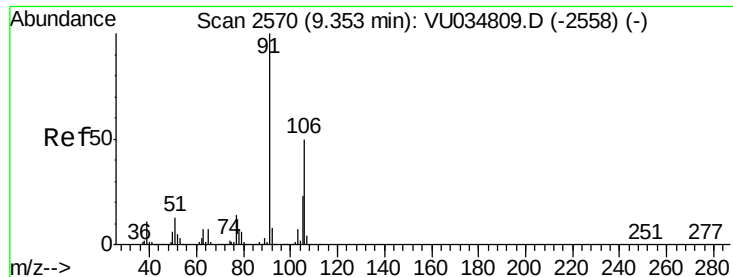
106 35.4 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 19.882 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034826.D

Acq: 26 Sep 2019 00:39

Instrument :

MSVOA_U

ClientSampleId :

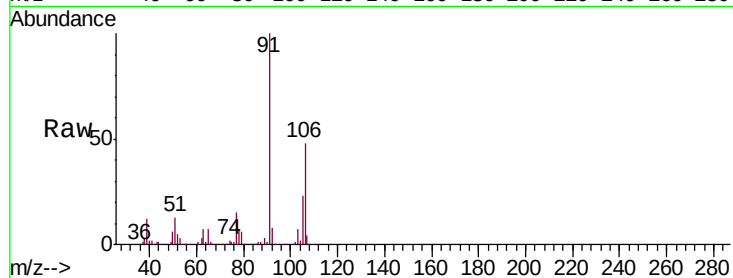
BFDJ7

Tgt Ion:106 Resp: 125755

Ion Ratio Lower Upper

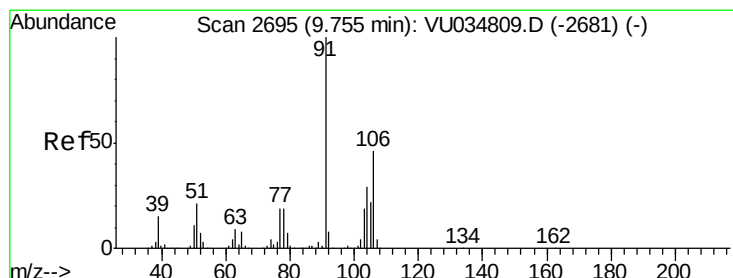
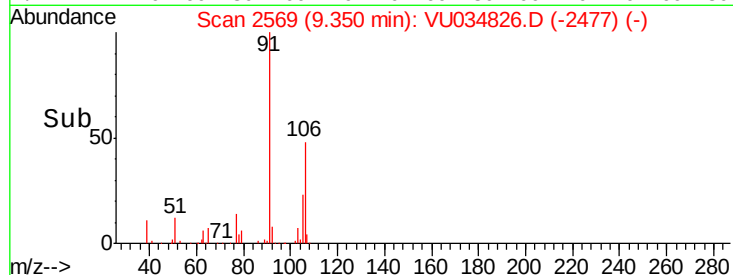
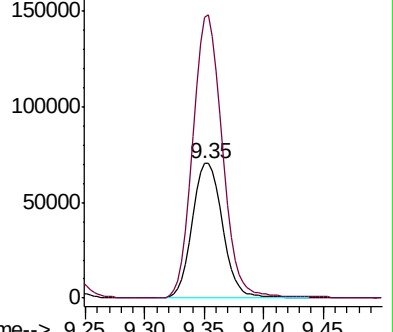
106 100

91 208.4 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 11.210 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034826.D

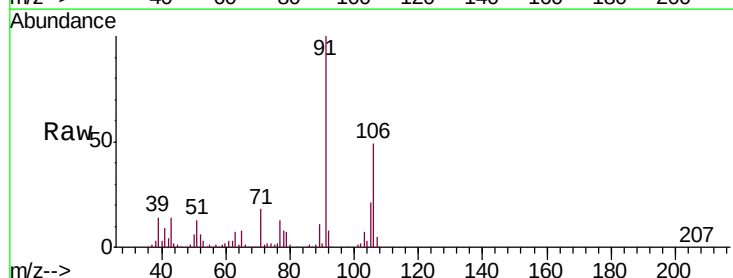
Acq: 26 Sep 2019 00:39

Tgt Ion:106 Resp: 70130

Ion Ratio Lower Upper

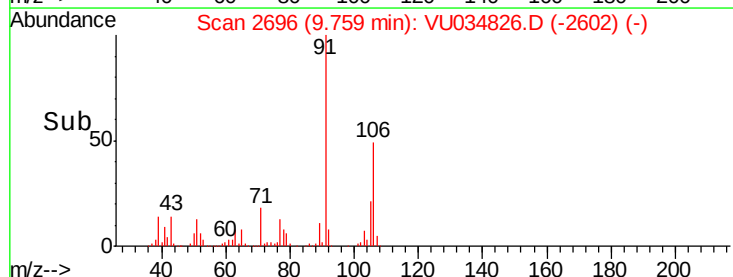
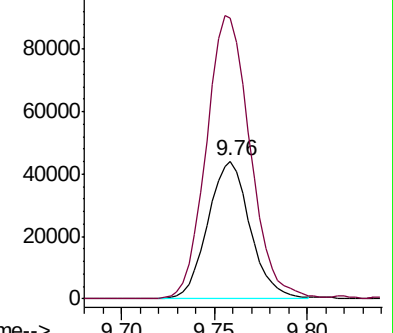
106 100

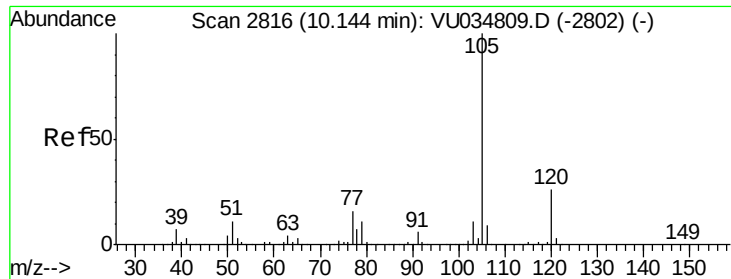
91 204.2 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.083 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034826.D

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Instrument :

MSVOA_U

ClientSampleId :

BFDJ7

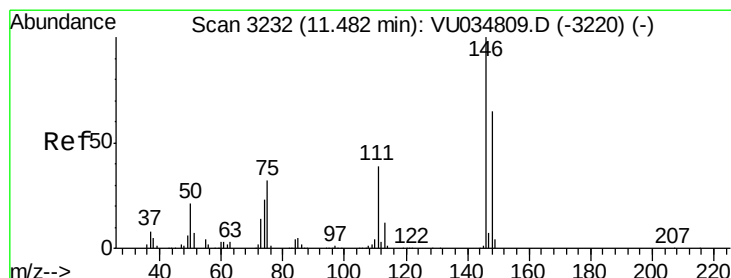
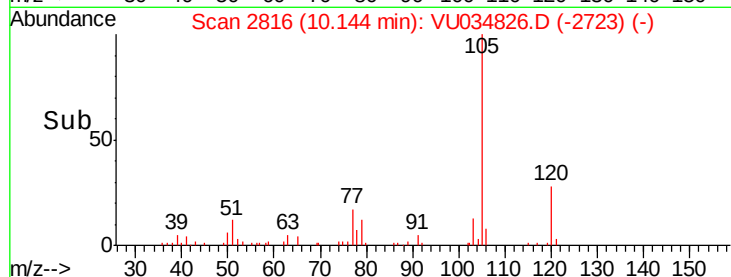
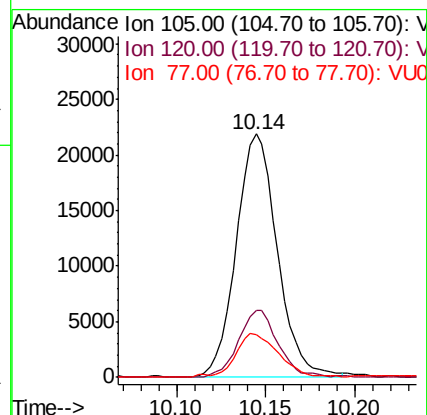
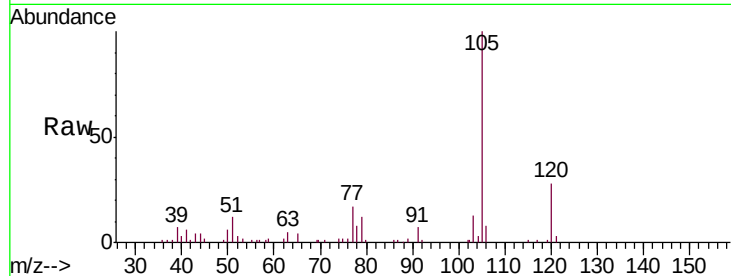
Tgt Ion:105 Resp: 35136

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

77 18.3 14.2 21.4



#63

1,4-Dichlorobenzene

Concen: 0.891 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034826.D

Acq: 26 Sep 2019 00:39

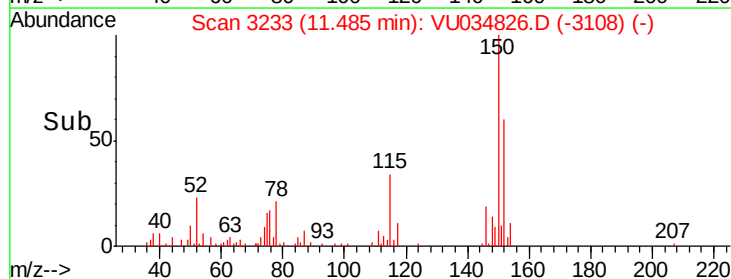
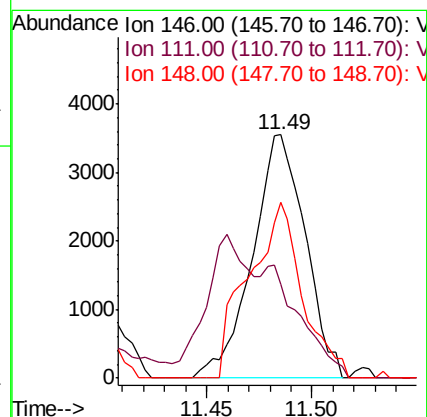
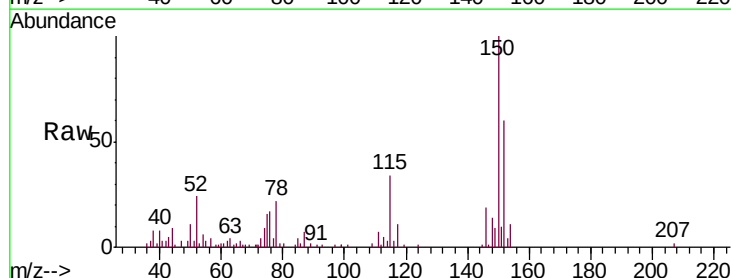
Tgt Ion:146 Resp: 6162

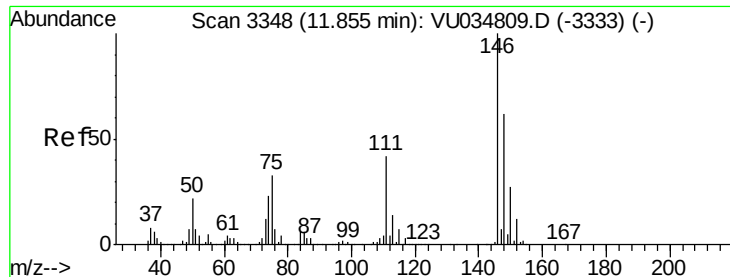
Ion Ratio Lower Upper

146 100

111 38.5 29.5 54.9

148 72.0 44.4 82.4

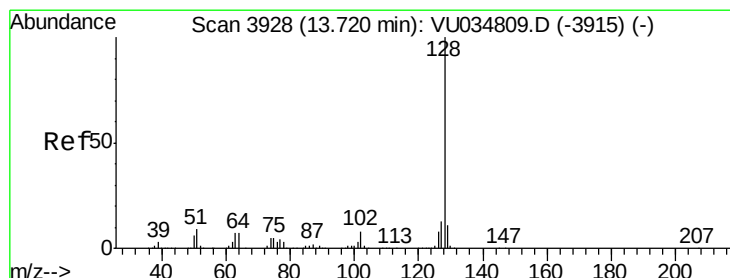
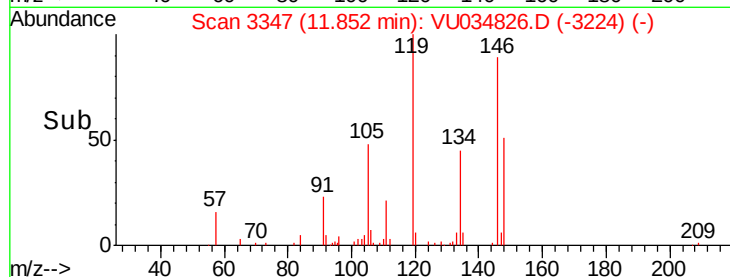
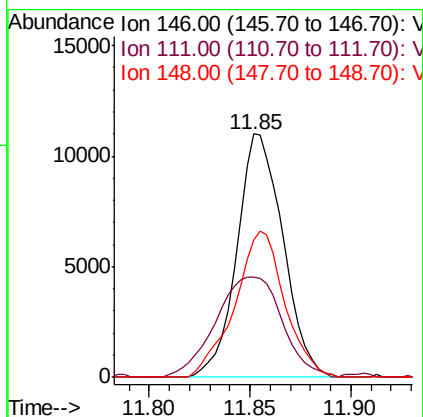
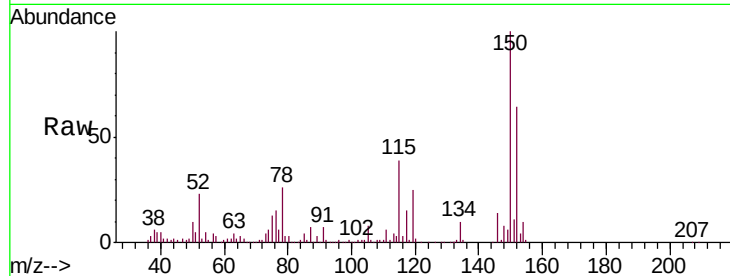




#65
 1,2-Dichlorobenzene
 Concen: 2.571 ug/L
 RT: 11.85 min Scan# 3347
 Delta R.T. -0.00 min
 Lab File: VU034826.D
 Acq: 26 Sep 2019 00:39

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ7

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	35.2	52.8
148	56.6	53.0	79.6



#69
 Naphthalene
 Concen: 36.784 ug/L
 RT: 13.72 min Scan# 3928
 Delta R.T. 0.00 min
 Lab File: VU034826.D
 Acq: 26 Sep 2019 00:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.2	8.6	12.8

