

Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF0

Quant Time: Sep 24 03:45:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	483391	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	452257	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	211241	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	202109	40.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.68%
7) Chloroethane-d5	1.67	69	171243	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.54%
11) 1,1-Dichloroethene-d2	2.26	63	279032	33.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.60%
21) 2-Butanone-d5	4.15	46	487638	128.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	128.57%
24) Chloroform-d	4.62	84	362524	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
26) 1,2-Dichloroethane-d4	5.29	65	270177	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
32) Benzene-d6	5.32	84	723714	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.26%
36) 1,2-Dichloropropane-d6	6.31	67	264327	53.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.90%
41) Toluene-d8	7.54	98	684798	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%
43) trans-1,3-Dichloropropene-	7.83	79	119489	50.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.84%
47) 2-Hexanone-d5	8.29	63	317878	129.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	129.18%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	356066	52.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.76%
64) 1,2-Dichlorobenzene-d4	11.84	152	237649	53.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.30%

Target Compounds

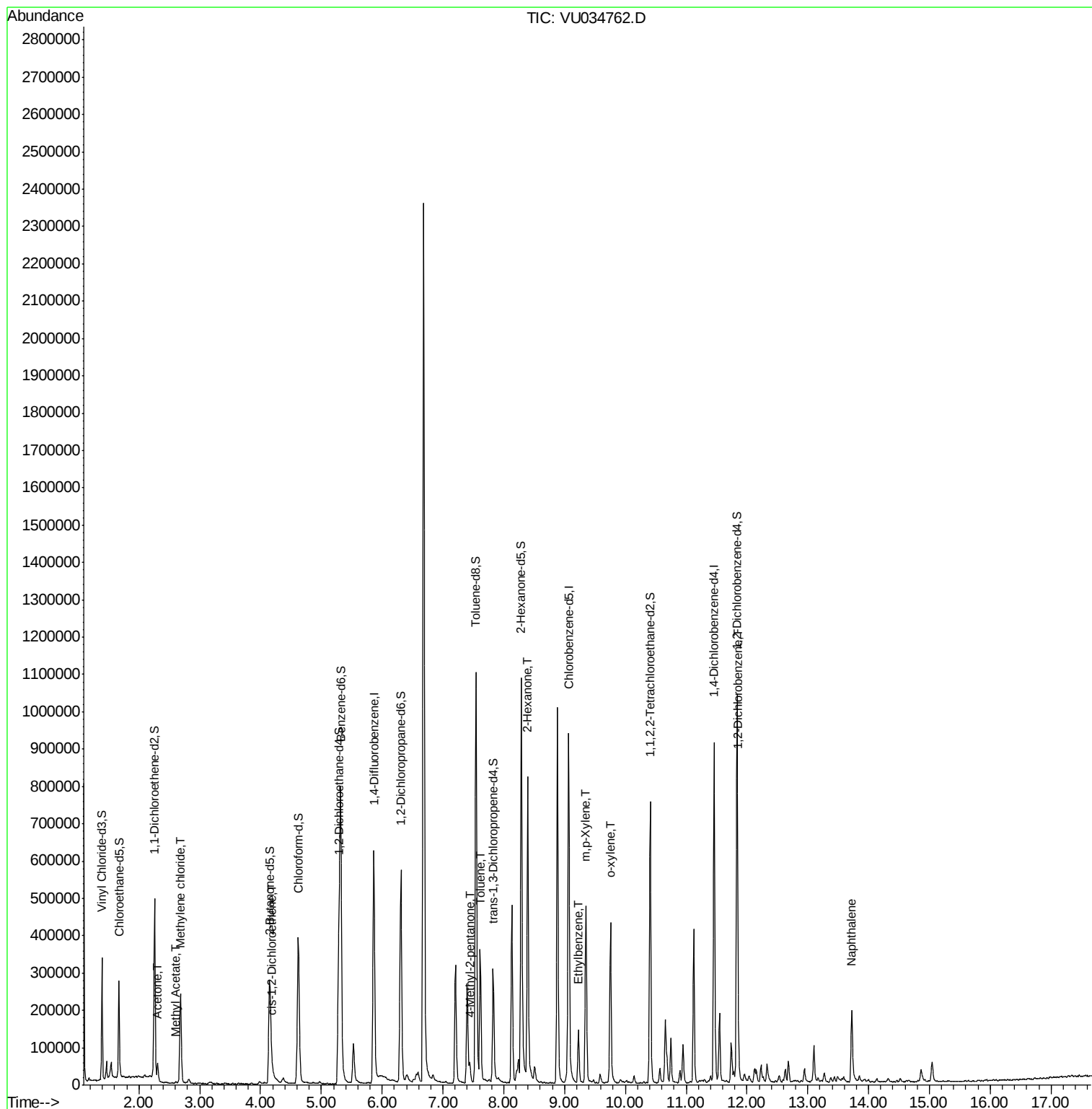
					Qvalue
13) Acetone	2.31	43	51514	11.676 ug/L	98
15) Methyl Acetate	2.61	43	6444	1.093 ug/L	96
16) Methylene chloride	2.68	84	93318	23.294 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	6667	1.649 ug/L	93
40) 4-Methyl-2-pentanone	7.44	43	33397	3.745 ug/L #	89
42) Toluene	7.62	91	244061	14.398 ug/L	99
48) 2-Hexanone	8.40	43	123718	17.765 ug/L #	1
52) Ethylbenzene	9.23	91	95107	4.982 ug/L	99
53) m,p-Xylene	9.35	106	124148	18.362 ug/L	99
54) o-xylene	9.76	106	84779	12.677 ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	12088	1.635 ug/L #	86
69) Naphthalene	13.72	128	161937	12.136 ug/L	99

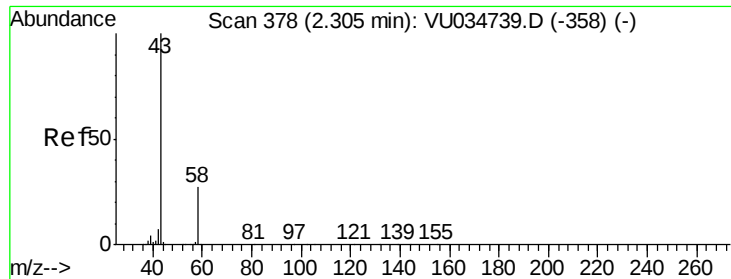
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 11.676 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034762.D

Acq: 24 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

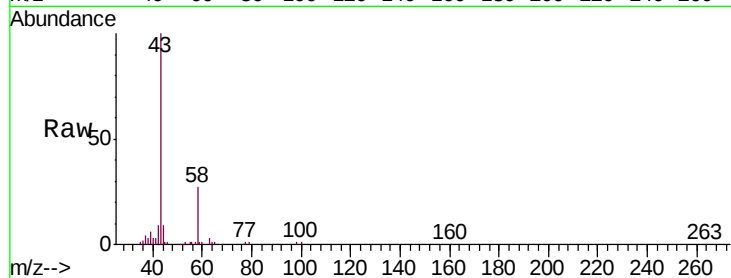
BFDFO

Tgt Ion: 43 Resp: 51514

Ion Ratio Lower Upper

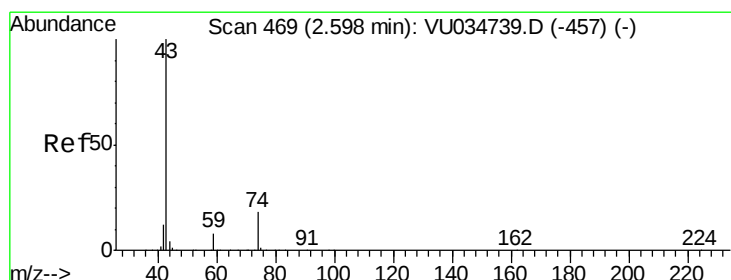
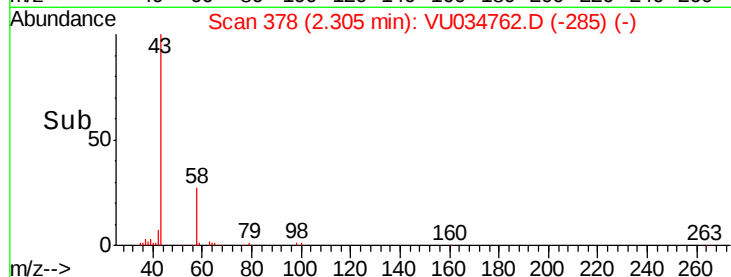
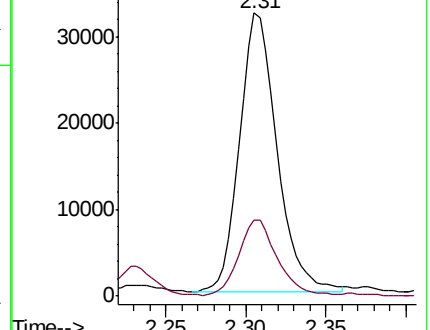
43 100

58 27.8 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034739.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034739.D (-358) (-)



#15

Methyl Acetate

Concen: 1.093 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034762.D

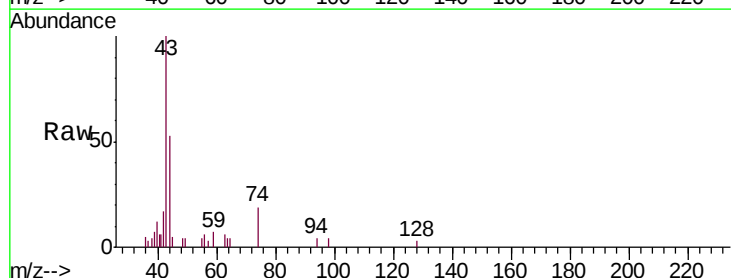
Acq: 24 Sep 2019 02:47

Tgt Ion: 43 Resp: 6444

Ion Ratio Lower Upper

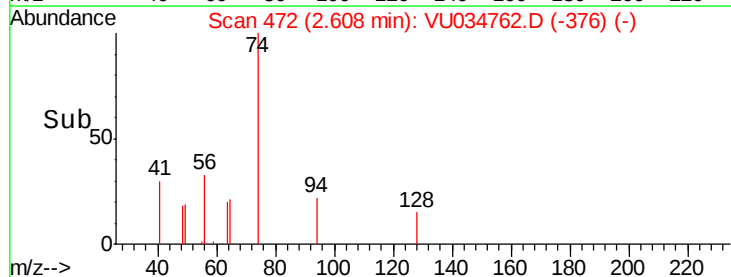
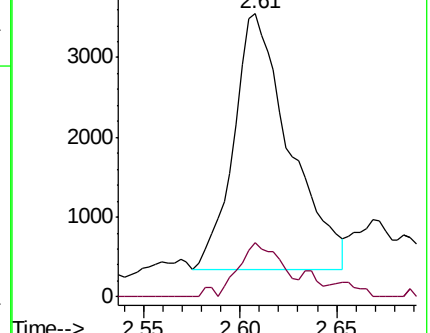
43 100

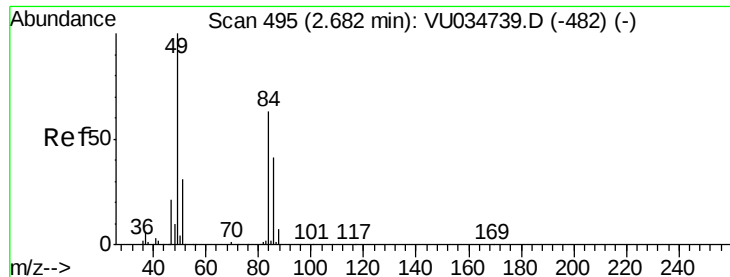
74 16.2 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VU034739.D (-457) (-)

Ion 74.00 (73.70 to 74.70): VU034739.D (-457) (-)

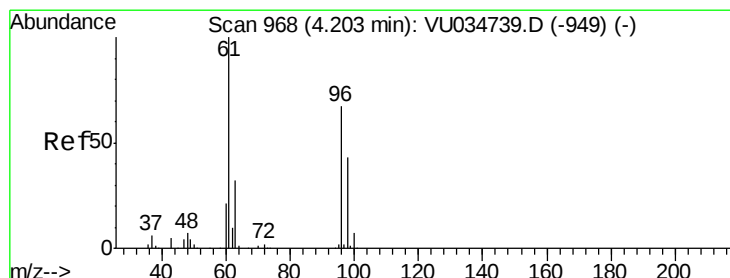
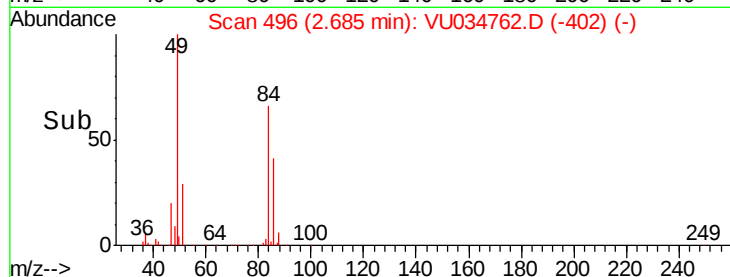
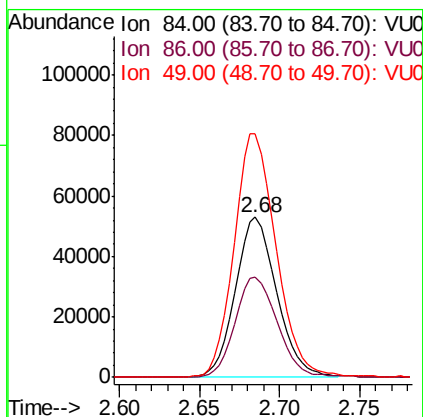
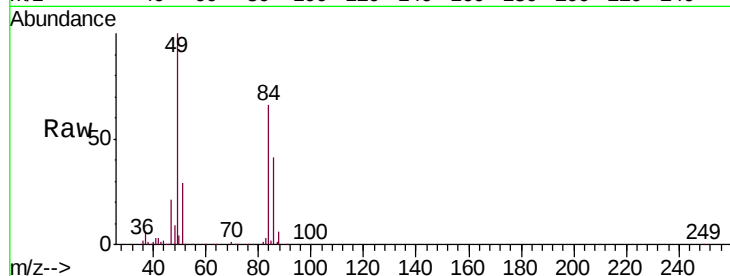




#16
Methylene chloride
Concen: 23.294 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034762.D
Acq: 24 Sep 2019 02:47

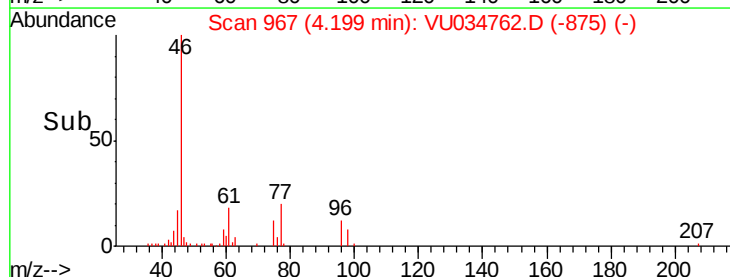
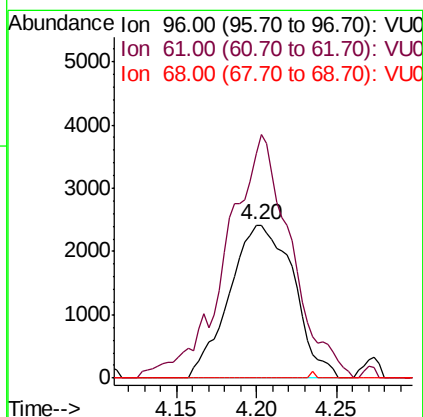
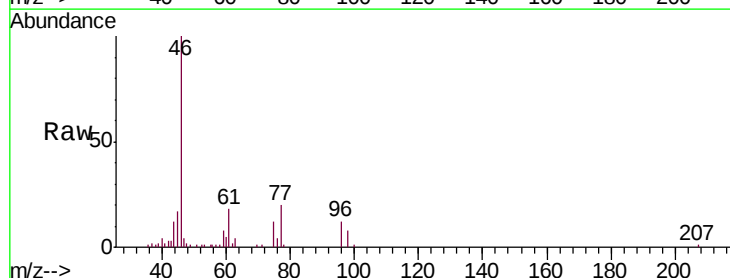
Instrument :
MSVOA_U
ClientSampleId :
BDFD0

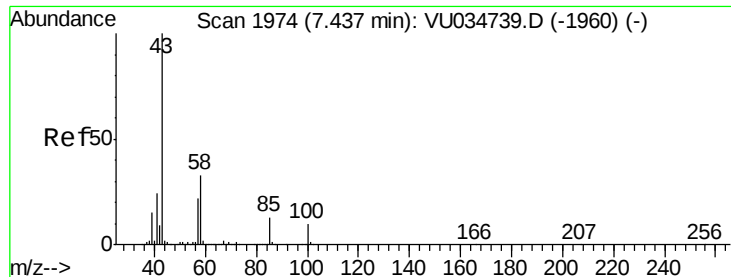
Tgt Ion: 84 Resp: 93318
Ion Ratio Lower Upper
84 100
86 62.6 43.0 80.0
49 151.8 109.7 203.7



#20
cis-1,2-Dichloroethene
Concen: 1.649 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034762.D
Acq: 24 Sep 2019 02:47

Tgt Ion: 96 Resp: 6667
Ion Ratio Lower Upper
96 100
61 146.7 108.8 202.2
68 0.0 0.0 0.0

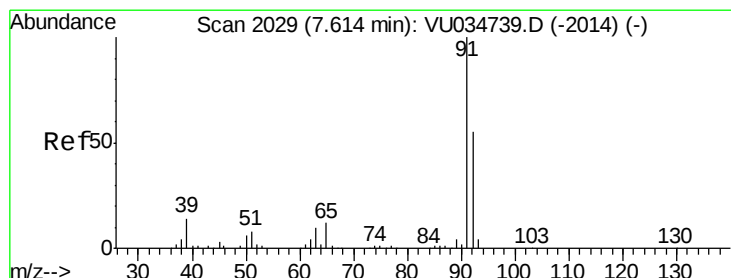
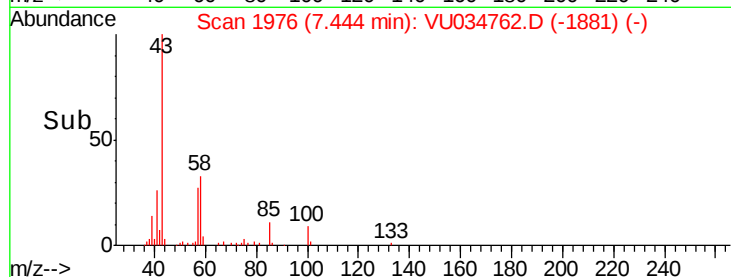
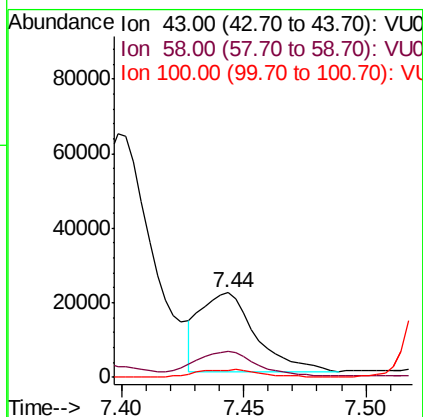
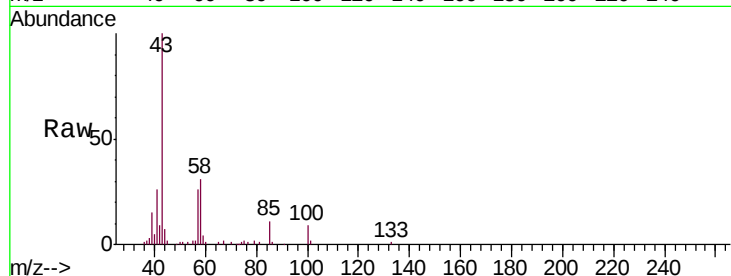




#40
 4-Methyl-2-pentanone
 Concen: 3.745 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.01 min
 Lab File: VU034762.D
 Acq: 24 Sep 2019 02:47

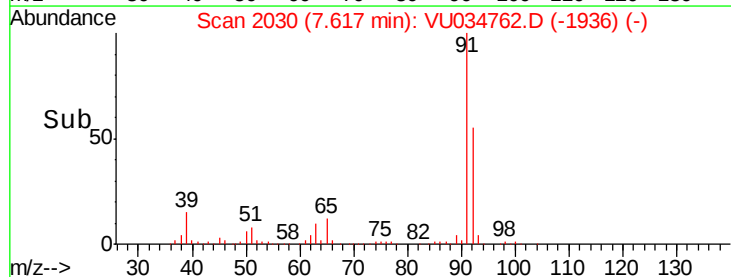
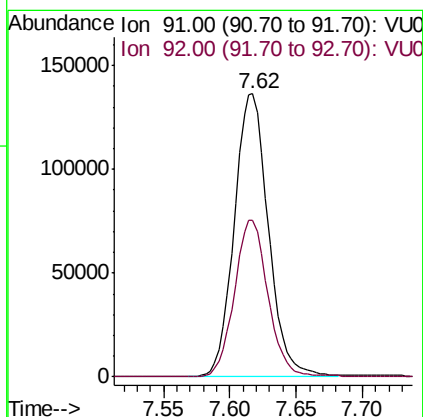
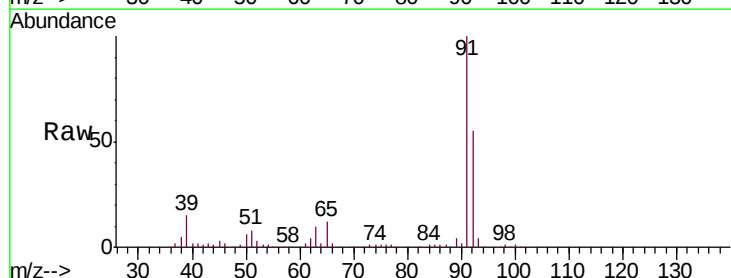
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDFO

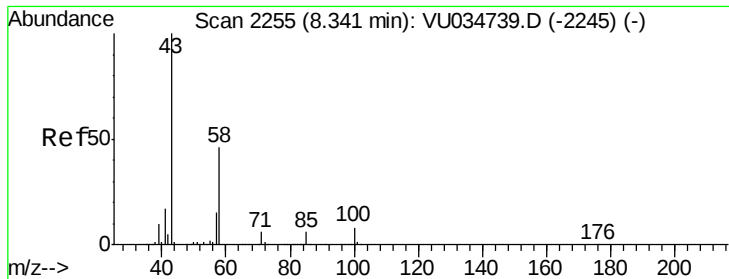
Tgt Ion: 43 Resp: 33397
 Ion Ratio Lower Upper
 43 100
 58 39.1 25.2 37.8#
 100 11.0 7.7 11.5



#42
 Toluene
 Concen: 14.398 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034762.D
 Acq: 24 Sep 2019 02:47

Tgt Ion: 91 Resp: 244061
 Ion Ratio Lower Upper
 91 100
 92 55.3 38.2 71.0

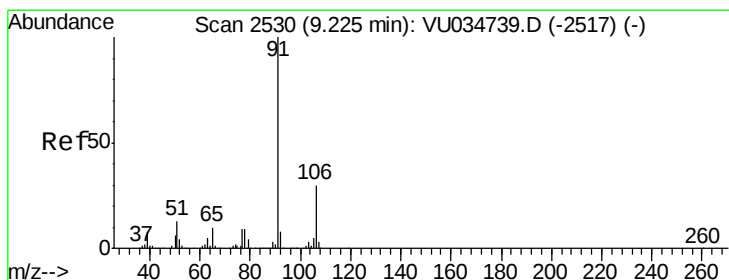
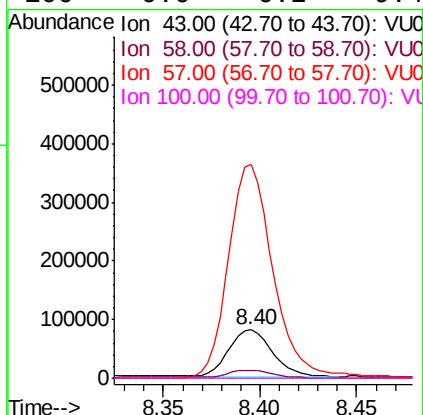
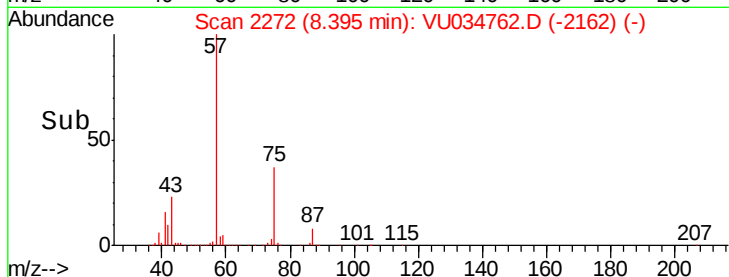
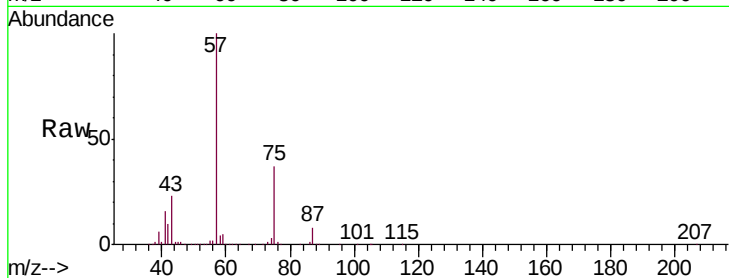




#48
2-Hexanone
Concen: 17.765 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034762.D
Acq: 24 Sep 2019 02:47

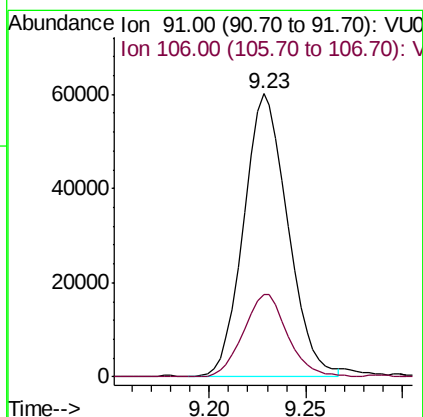
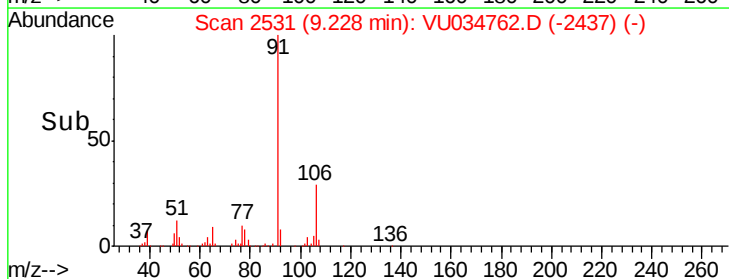
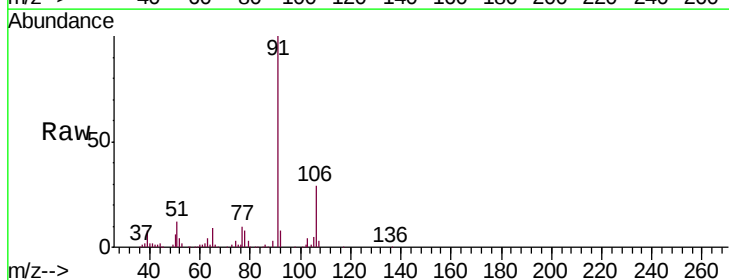
Instrument :
MSVOA_U
ClientSampleId :
BFDFO

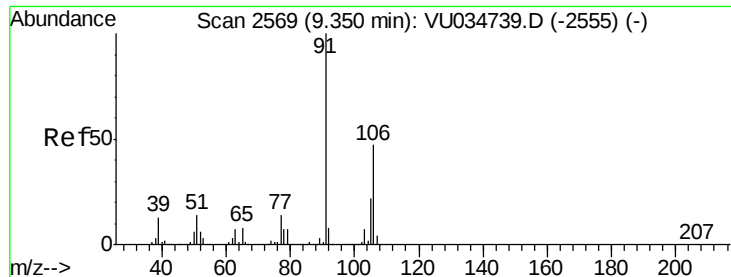
Tgt Ion: 43 Resp: 123718
Ion Ratio Lower Upper
43 100
58 16.2 35.3 52.9#
57 473.6 12.1 18.1#
100 0.0 6.2 9.4#



#52
Ethylbenzene
Concen: 4.982 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034762.D
Acq: 24 Sep 2019 02:47

Tgt Ion: 91 Resp: 95107
Ion Ratio Lower Upper
91 100
106 29.1 20.6 38.4





#53

m,p-Xylene

Concen: 18.362 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034762.D

Acq: 24 Sep 2019 02:47

Instrument :

MSVOA_U

ClientSampleId :

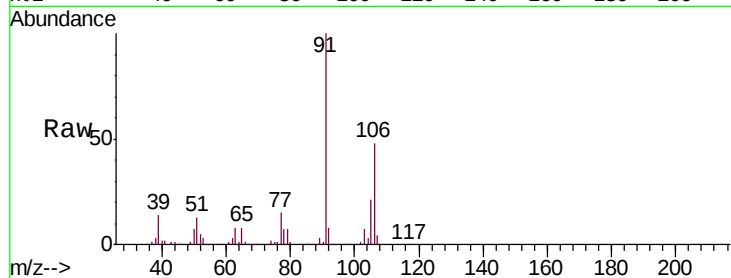
BPDF0

Tgt Ion:106 Resp: 124148

Ion Ratio Lower Upper

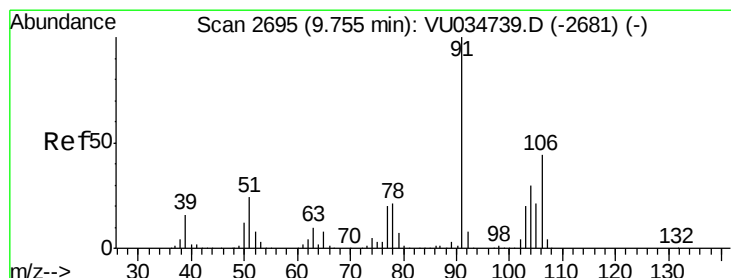
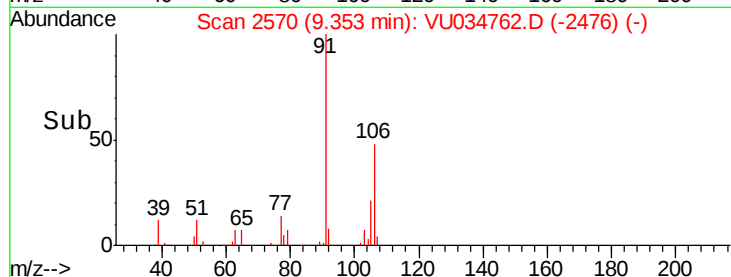
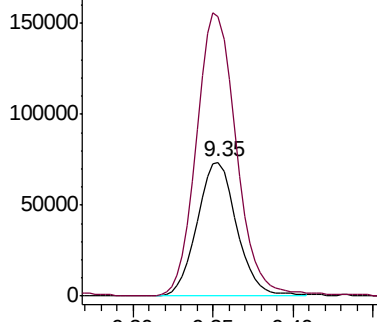
106 100

91 208.9 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 12.677 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034762.D

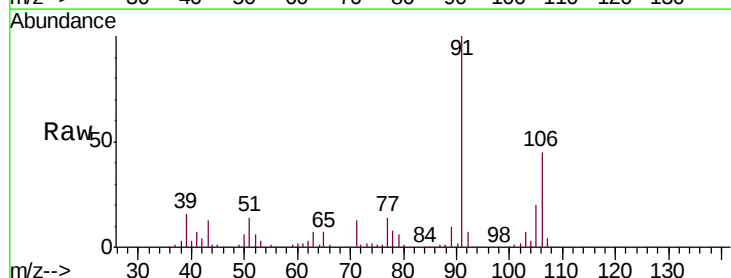
Acq: 24 Sep 2019 02:47

Tgt Ion:106 Resp: 84779

Ion Ratio Lower Upper

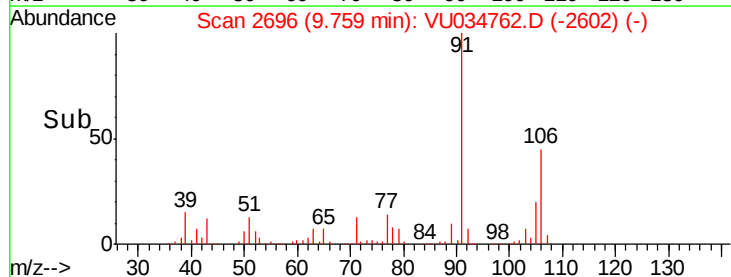
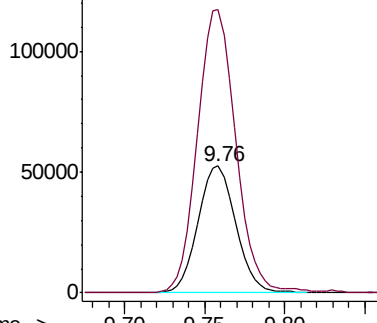
106 100

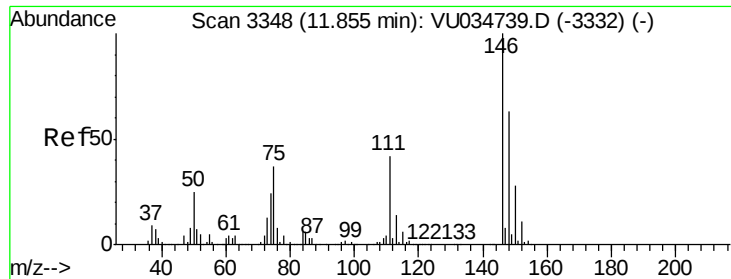
91 223.6 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#65

1,2-Dichlorobenzene

Concen: 1.635 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034762.D

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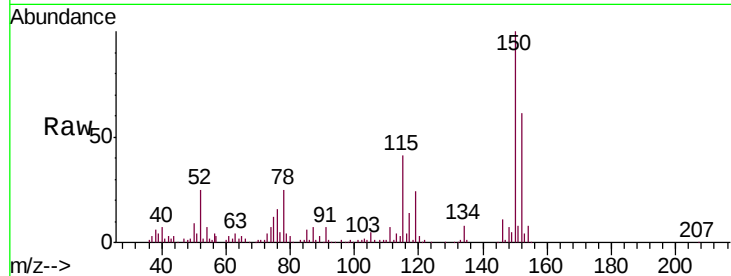
Tgt Ion:146 Resp: 12088

Ion Ratio Lower Upper

146 100

111 60.5 35.2 52.8#

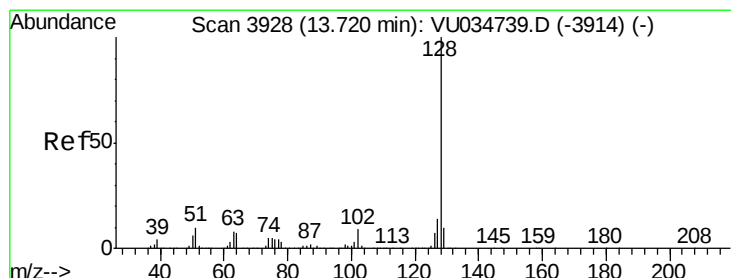
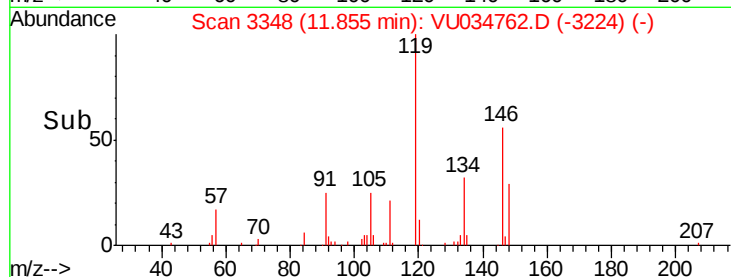
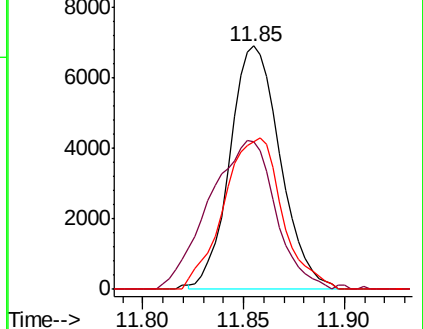
148 60.8 53.0 79.6



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: 12.136 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034762.D

Acq: 24 Sep 2019 02:47

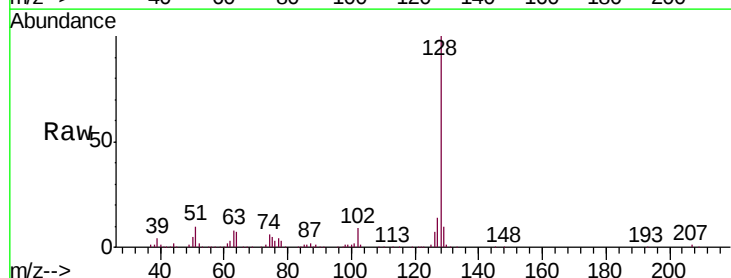
Tgt Ion:128 Resp: 161937

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 10.8 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

