

Data File : VU034759.D
Acq On : 24 Sep 2019 01:37
Operator : JC/SP
Sample : K4932-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM7

Quant Time: Sep 24 03:44:16 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	512537	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	485732	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	228256	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	208581	39.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.50%
7) Chloroethane-d5	1.67	69	173532	42.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.58%
11) 1,1-Dichloroethene-d2	2.26	63	292558	32.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.84%
21) 2-Butanone-d5	4.15	46	473345	117.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.71%
24) Chloroform-d	4.88	84	149	0.02	ug/L	0.25
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.04%#
26) 1,2-Dichloroethane-d4	5.29	65	270548	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
32) Benzene-d6	5.32	84	746519	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
36) 1,2-Dichloropropane-d6	6.31	67	267295	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.60%
41) Toluene-d8	7.54	98	714476	49.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.76%
43) trans-1,3-Dichloropropene-	7.83	79	116592	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.52%
47) 2-Hexanone-d5	8.29	63	315230	119.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.27%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	360427	49.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.72%
64) 1,2-Dichlorobenzene-d4	11.84	152	244778	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%

Target Compounds

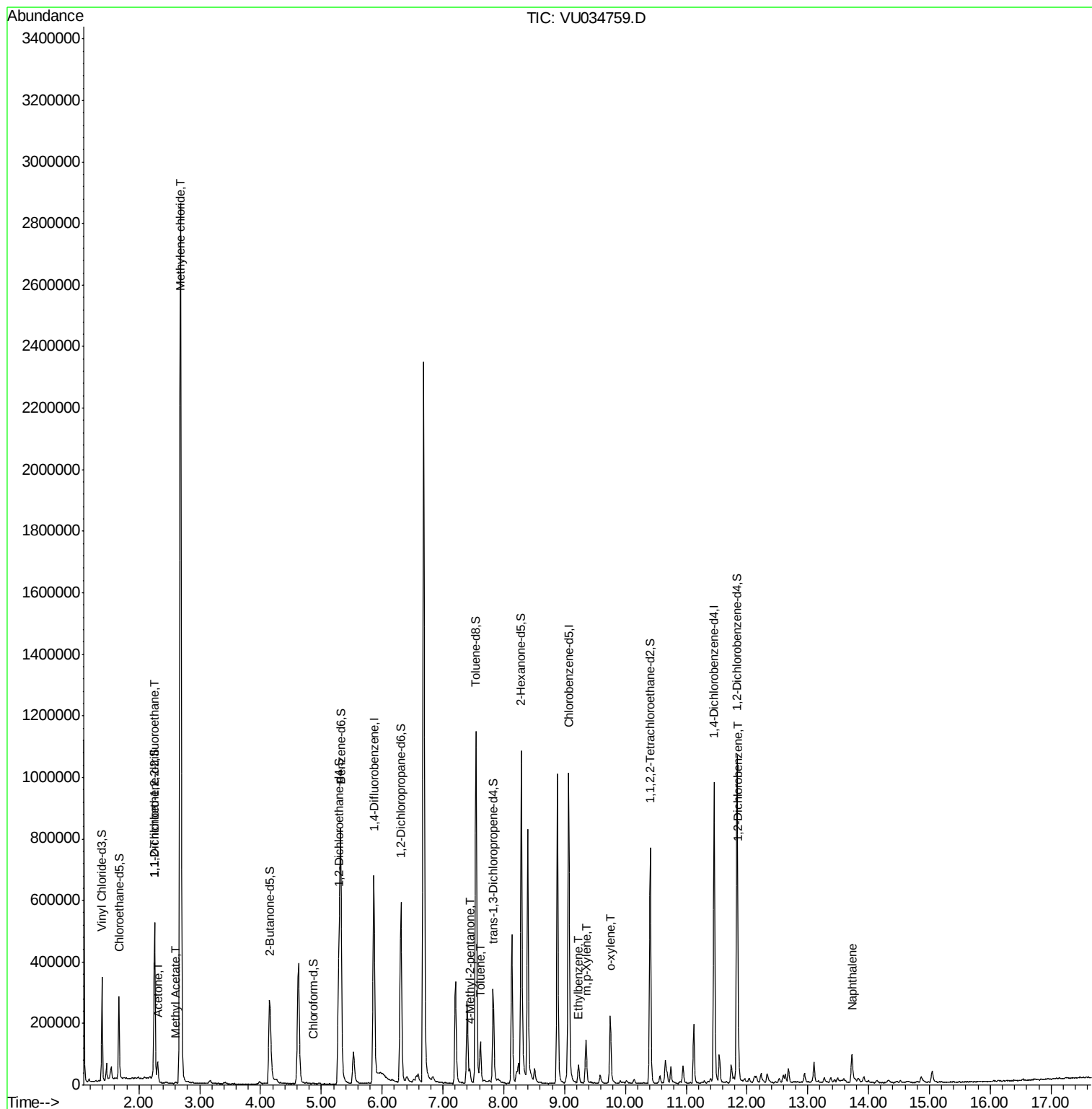
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2491	0.713 ug/L #	23
13) Acetone	2.31	43	68448	14.632 ug/L	99
15) Methyl Acetate	2.61	43	5325	0.852 ug/L	100
16) Methylene chloride	2.68	84	1096709	258.187 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	23678	2.472 ug/L #	85
42) Toluene	7.62	91	85593	4.701 ug/L	97
52) Ethylbenzene	9.23	91	43266	2.110 ug/L	97
53) m,p-Xylene	9.35	106	37740	5.197 ug/L	97
54) o-xylene	9.76	106	31054	4.324 ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	21166	2.650 ug/L	96
69) Naphthalene	13.73	128	84732	5.877 ug/L	98

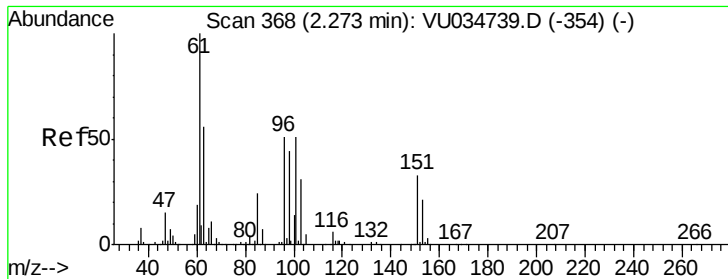
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.713 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

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ClientSampleId :

BFD7

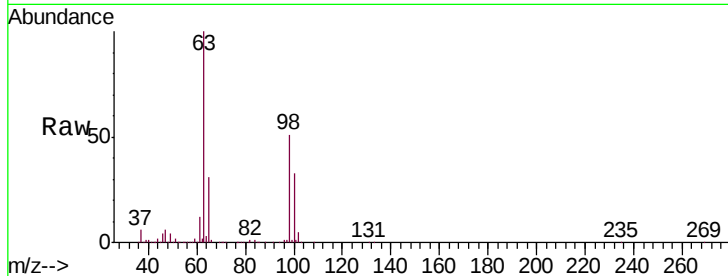
Tgt Ion:101 Resp: 2491

Ion Ratio Lower Upper

101 100

85 2.1 39.0 58.4#

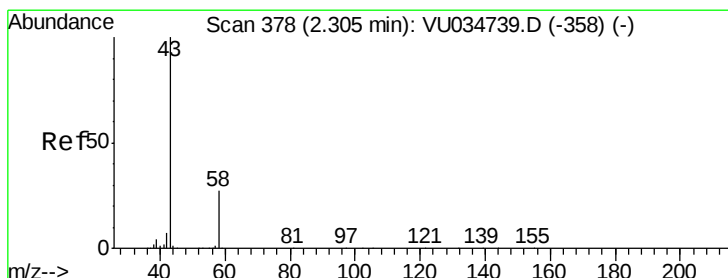
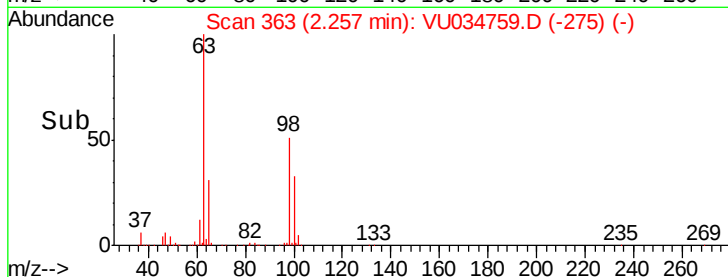
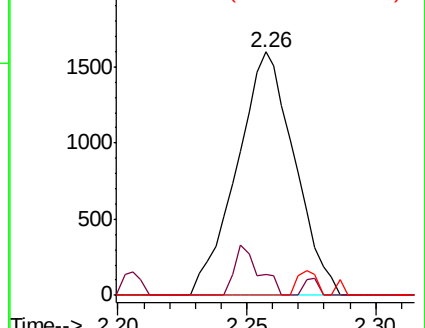
151 0.0 52.8 79.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 14.632 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

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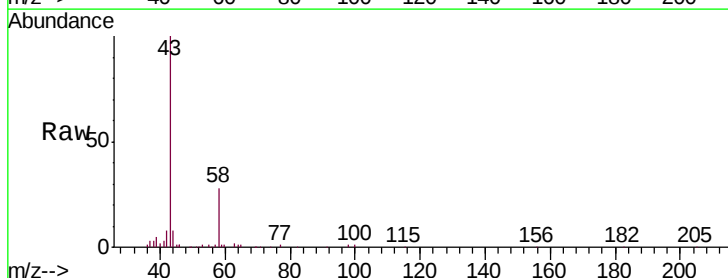
Acq: 24 Sep 2019 01:37

Tgt Ion: 43 Resp: 68448

Ion Ratio Lower Upper

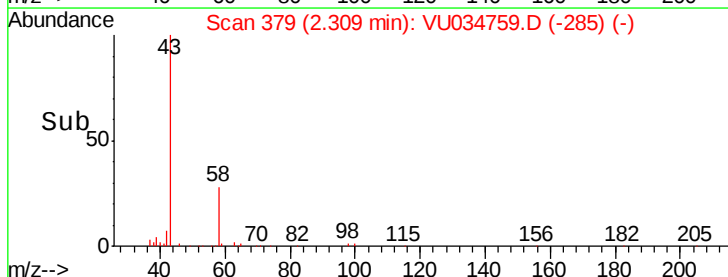
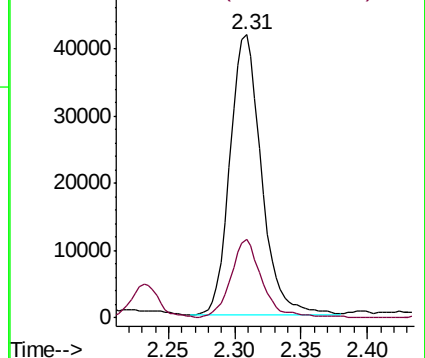
43 100

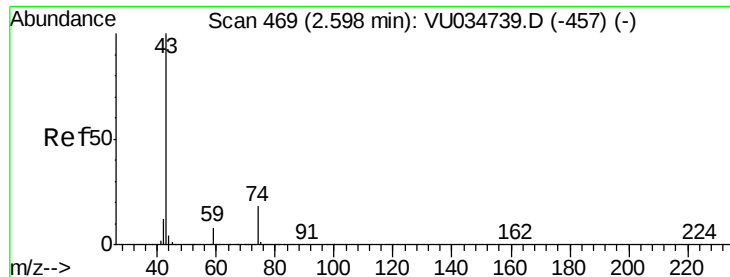
58 27.0 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

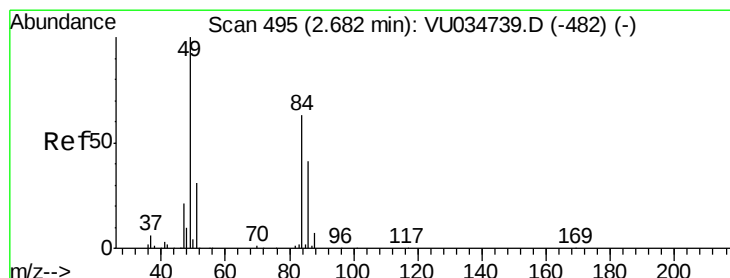
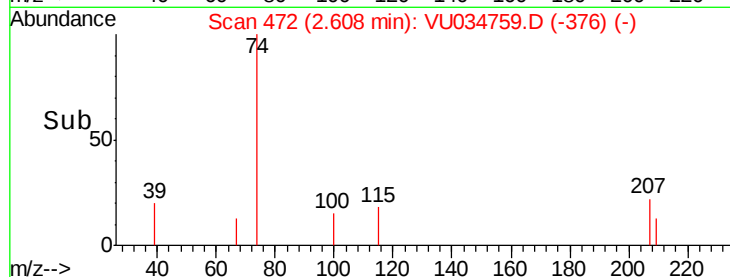
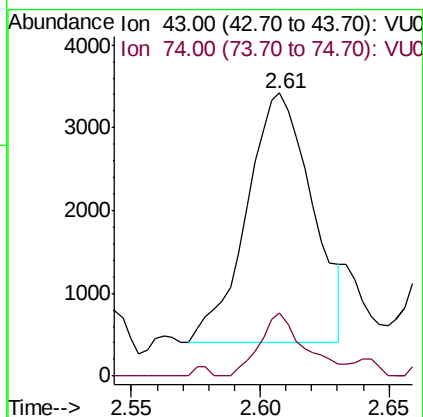
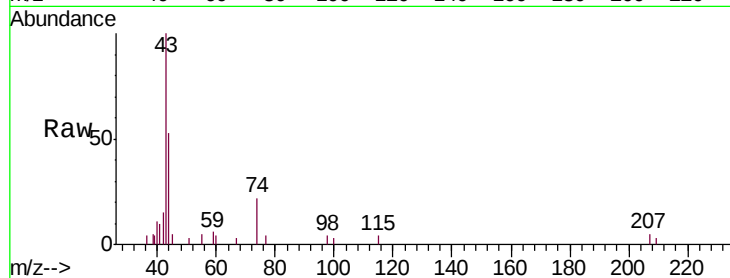




#15
Methyl Acetate
Concen: 0.852 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU034759.D
Acq: 24 Sep 2019 01:37

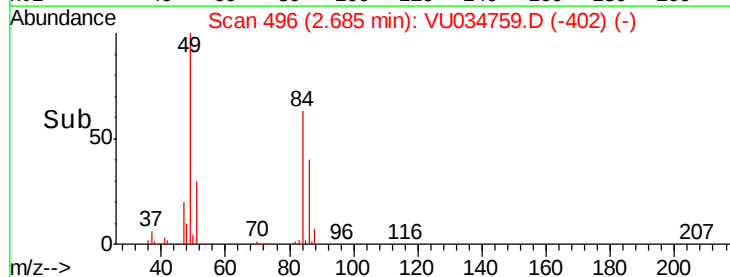
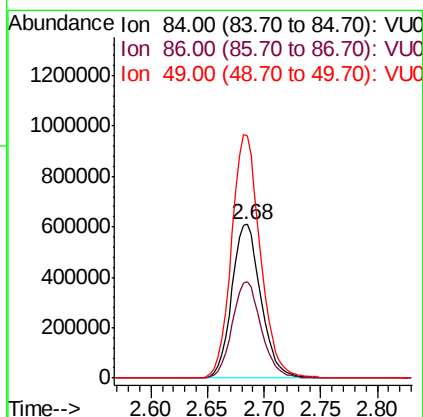
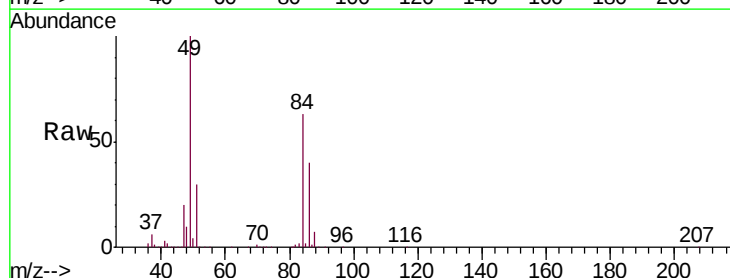
Instrument :
MSVOA_U
ClientSampleId :
BFDM7

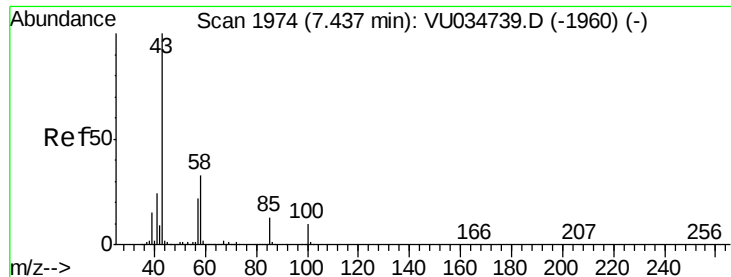
Tgt Ion: 43 Resp: 5325
Ion Ratio Lower Upper
43 100
74 17.9 14.4 21.6



#16
Methylene chloride
Concen: 258.187 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034759.D
Acq: 24 Sep 2019 01:37

Tgt Ion: 84 Resp: 1096709
Ion Ratio Lower Upper
84 100
86 63.1 43.0 80.0
49 158.0 109.7 203.7

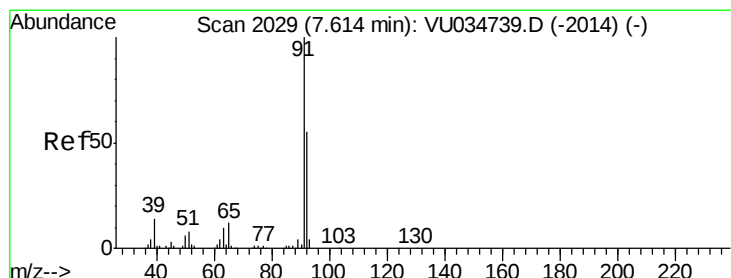
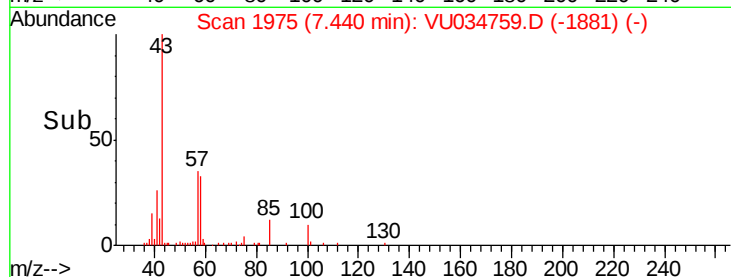
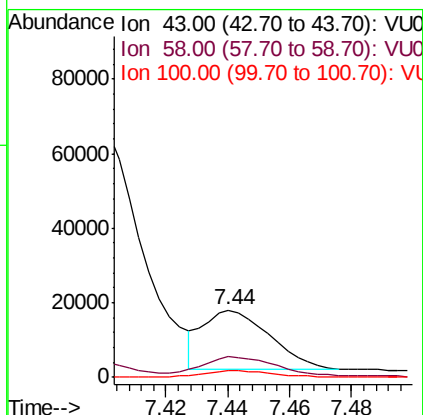
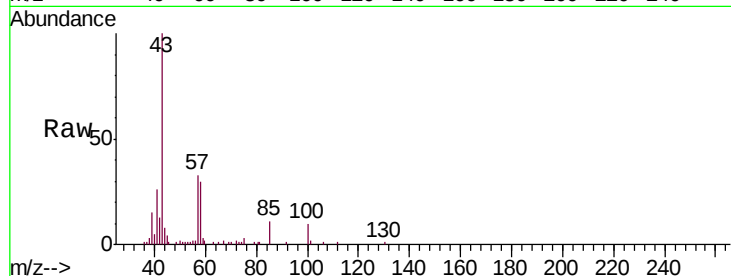




#40
 4-Methyl-2-pentanone
 Concen: 2.472 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034759.D
 Acq: 24 Sep 2019 01:37

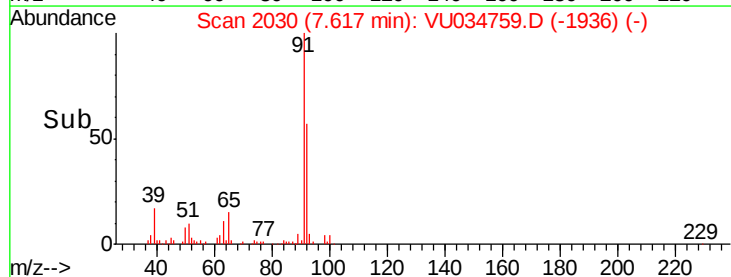
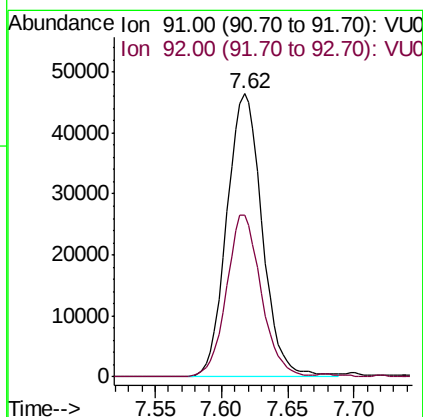
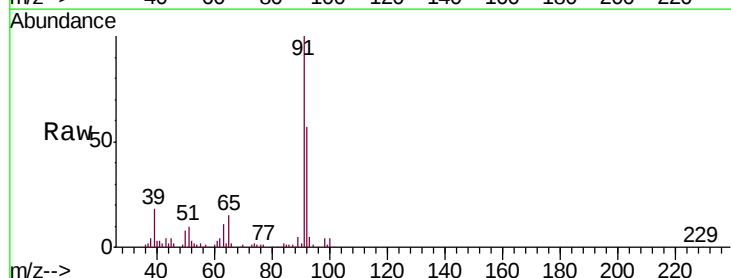
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDM7

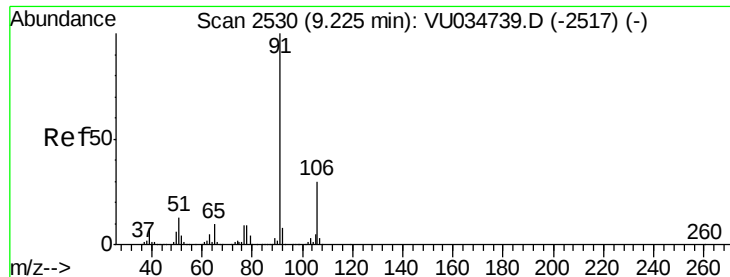
Tgt Ion: 43 Resp: 23678
 Ion Ratio Lower Upper
 43 100
 58 41.8 25.2 37.8#
 100 10.1 7.7 11.5



#42
 Toluene
 Concen: 4.701 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034759.D
 Acq: 24 Sep 2019 01:37

Tgt Ion: 91 Resp: 85593
 Ion Ratio Lower Upper
 91 100
 92 57.1 38.2 71.0





#52

Ethylbenzene

Concen: 2.110 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034759.D

Acq: 24 Sep 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

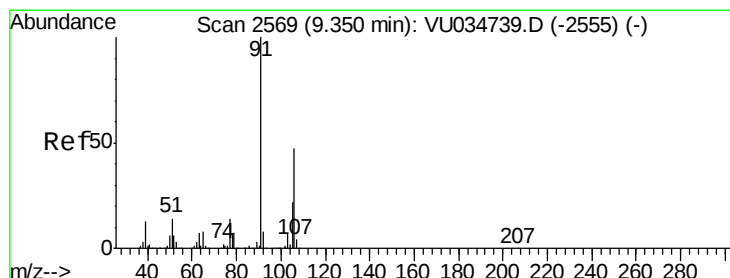
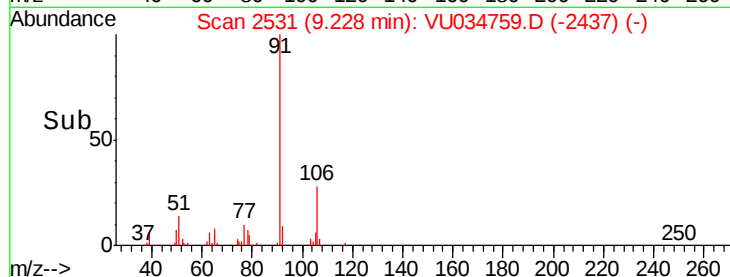
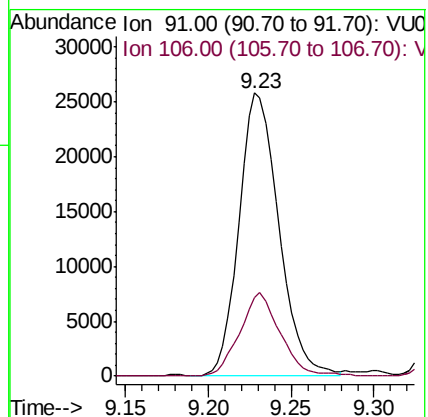
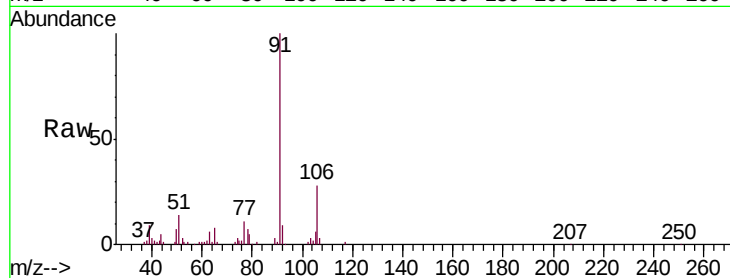
BFDM7

Tgt Ion: 91 Resp: 43266

Ion Ratio Lower Upper

91 100

106 27.9 20.6 38.4



#53

m,p-Xylene

Concen: 5.197 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034759.D

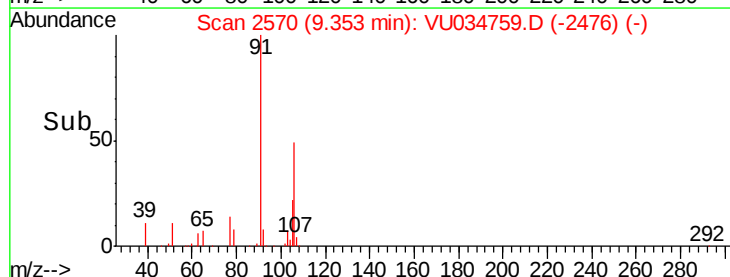
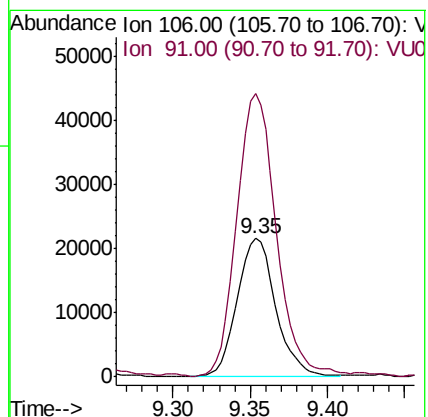
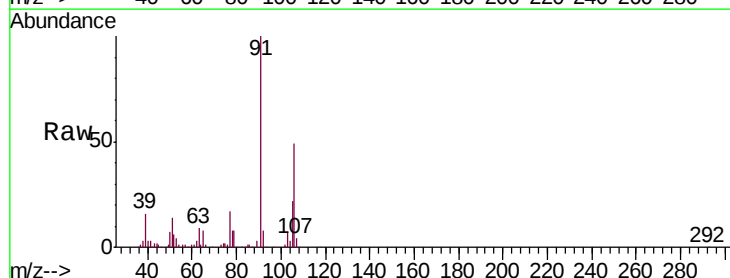
Acq: 24 Sep 2019 01:37

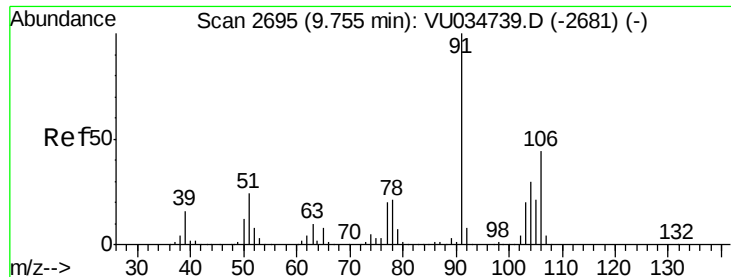
Tgt Ion: 106 Resp: 37740

Ion Ratio Lower Upper

106 100

91 204.4 146.9 272.7





#54

o-xylene

Concen: 4.324 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034759.D

Acq: 24 Sep 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

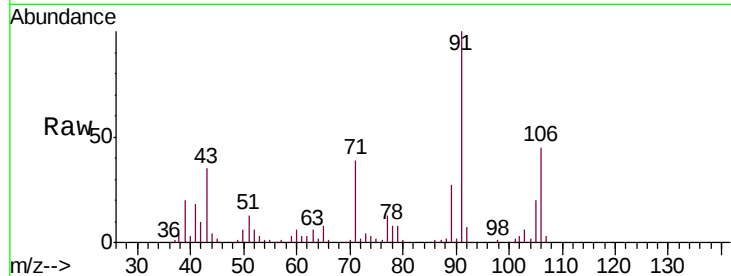
BFDM7

Tgt Ion:106 Resp: 31054

Ion Ratio Lower Upper

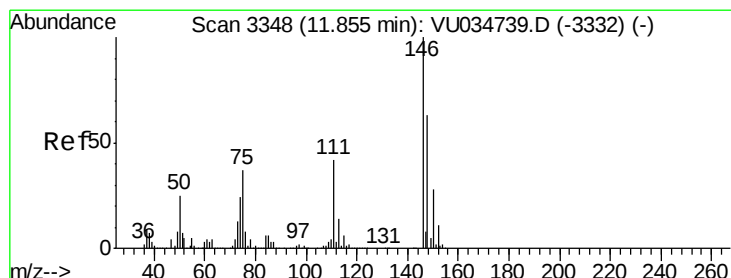
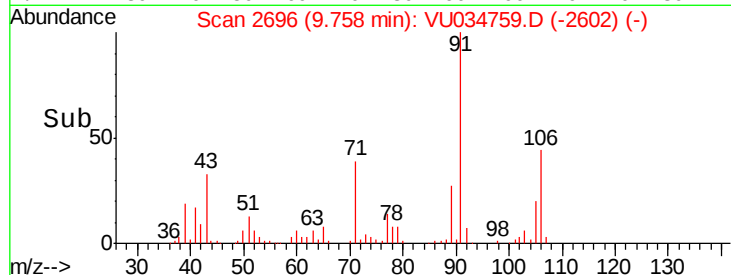
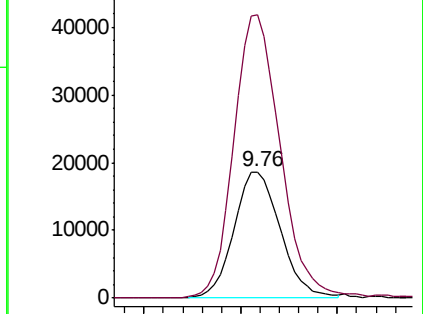
106 100

91 223.8 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

1,2-Dichlorobenzene

Concen: 2.650 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034759.D

Acq: 24 Sep 2019 01:37

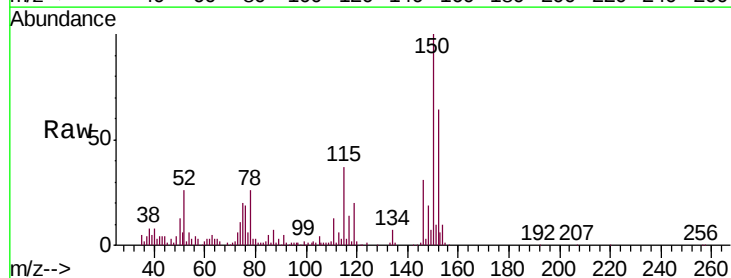
Tgt Ion:146 Resp: 21166

Ion Ratio Lower Upper

146 100

111 42.8 35.2 52.8

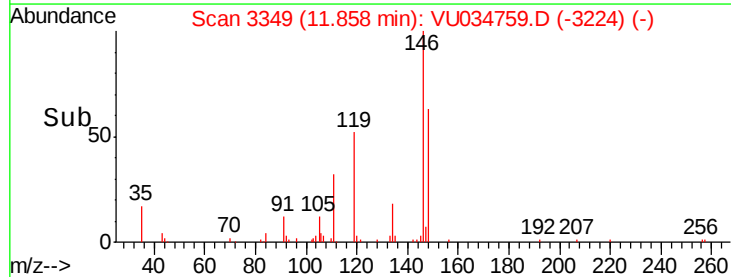
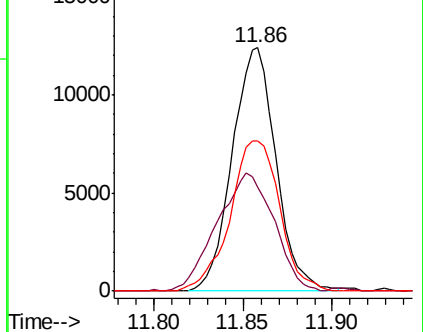
148 61.8 53.0 79.6

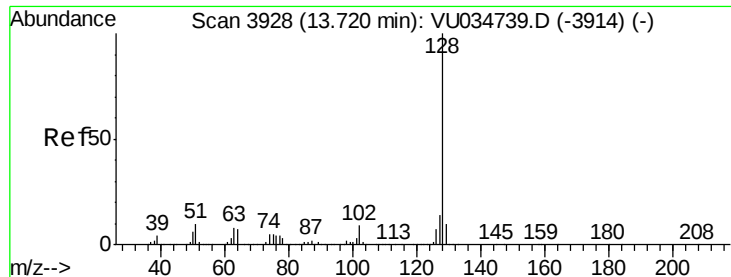


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 5.877 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

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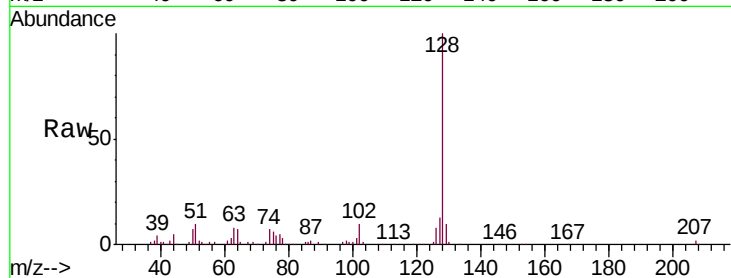
Tgt Ion:128 Resp: 84732

Ion Ratio Lower Upper

128 100

127 12.2 10.8 16.2

129 10.2 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

