

Data File : VU034761.D
Acq On : 24 Sep 2019 02:24
Operator : JC/SP
Sample : K4932-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDE9

Quant Time: Sep 24 03:44:43 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	498190	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	481026	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	231177	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	199804	39.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.36%
7) Chloroethane-d5	1.67	69	171745	43.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.14%
11) 1,1-Dichloroethene-d2	2.45	63	206	0.02	ug/L	0.19
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	4.15	46	464131	118.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.74%
24) Chloroform-d	4.62	84	363919	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
26) 1,2-Dichloroethane-d4	5.28	65	267278	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
32) Benzene-d6	5.32	84	738083	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.31	67	267817	51.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.78%
41) Toluene-d8	7.54	98	706550	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%
43) trans-1,3-Dichloropropene-	7.83	79	115457	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.52%
47) 2-Hexanone-d5	8.29	63	300674	114.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.88%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	363231	50.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.46%
64) 1,2-Dichlorobenzene-d4	11.84	152	256613	52.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.88%

Target Compounds

						Qvalue
13) Acetone	2.31	43	149685	32.920	ug/L	100
15) Methyl Acetate	2.61	43	6944	1.143	ug/L #	72
16) Methylene chloride	2.68	84	241141	58.404	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	11356	2.725	ug/L	99
22) 2-Butanone	4.25	43	49654	9.179	ug/L	99
29) Cyclohexane	4.97	56	32113	4.045	ug/L	99
33) Benzene	5.37	78	140385	8.415	ug/L	100
35) Methylcyclohexane	6.39	83	28028	4.009	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	18007	1.899	ug/L #	88
42) Toluene	7.61	91	269312	14.937	ug/L	96
52) Ethylbenzene	9.23	91	361468	17.803	ug/L	99
53) m,p-Xylene	9.35	106	217512	30.247	ug/L	97
54) o-xylene	9.76	106	209898	29.510	ug/L	99
55) Styrene	9.76	104	10891	0.905	ug/L #	1
56) Isopropylbenzene	10.14	105	55882	2.914	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	58074	7.179	ug/L	97
69) Naphthalene	13.72	128	332388	22.762	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Sep 24 03:36:55 2019
Response via : Initial Calibration

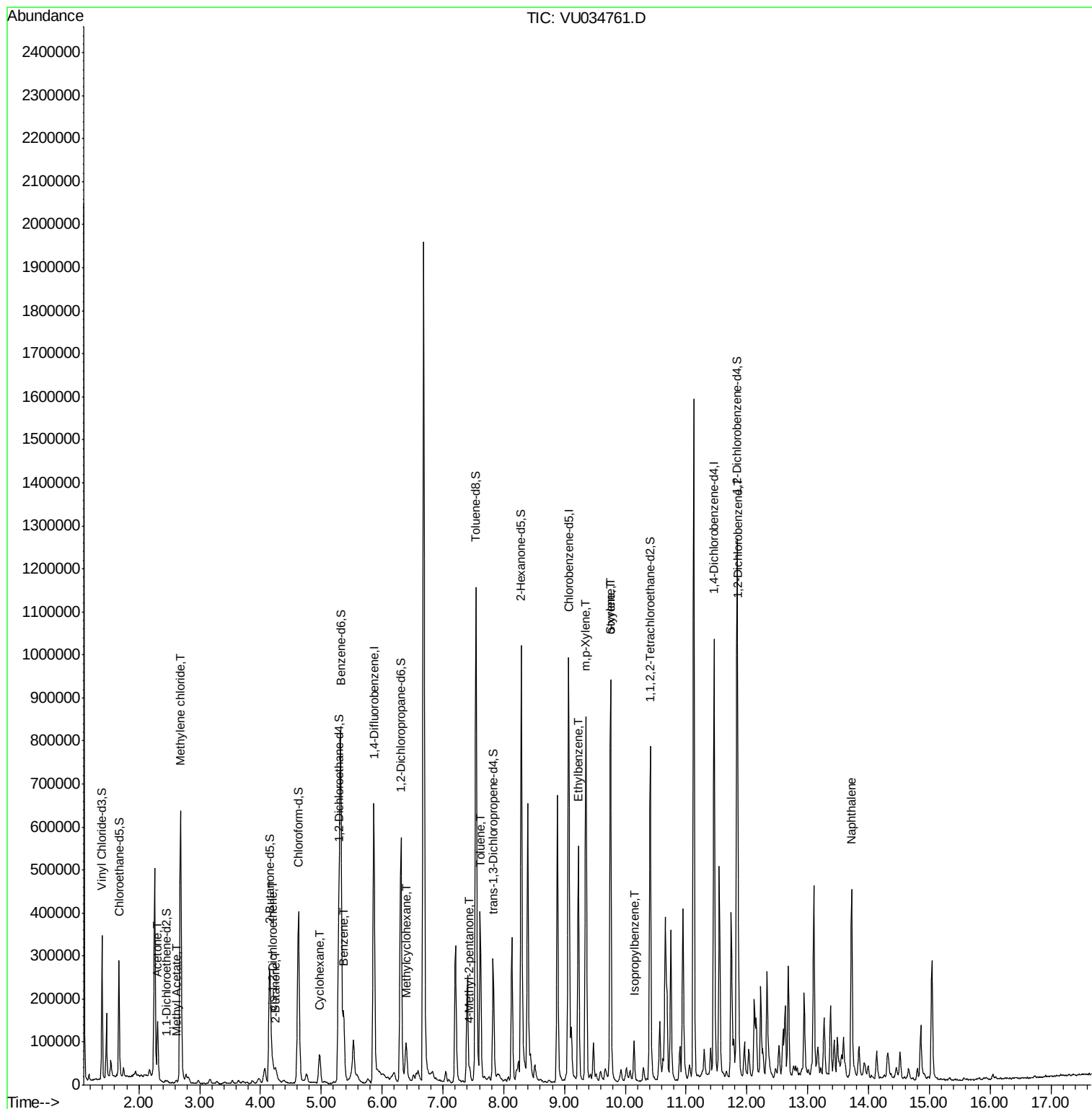
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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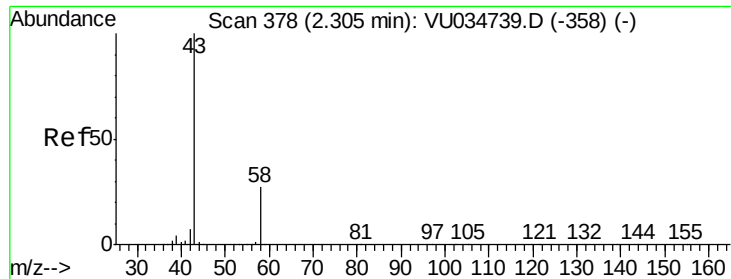
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 32.920 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

Instrument :

MSVOA_U

ClientSampleId :

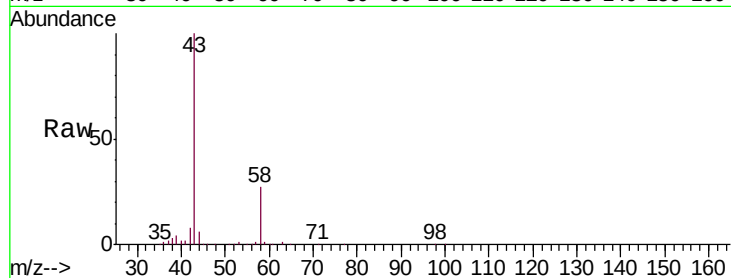
BFDE9

Tgt Ion: 43 Resp: 149685

Ion Ratio Lower Upper

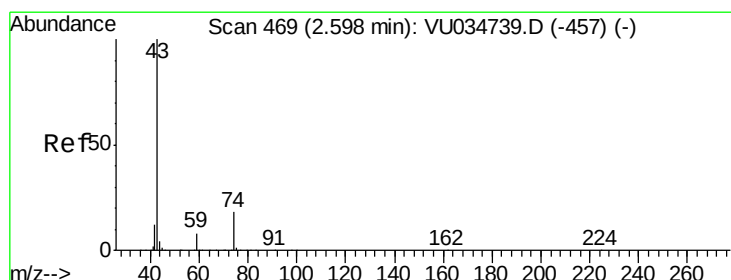
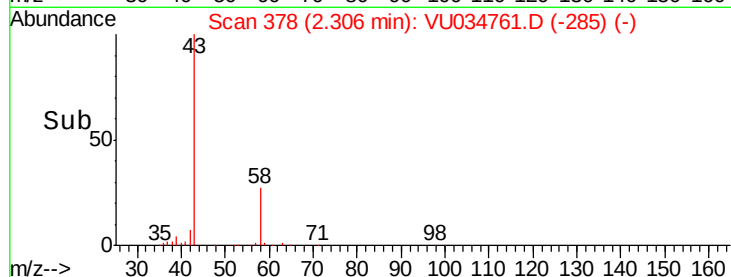
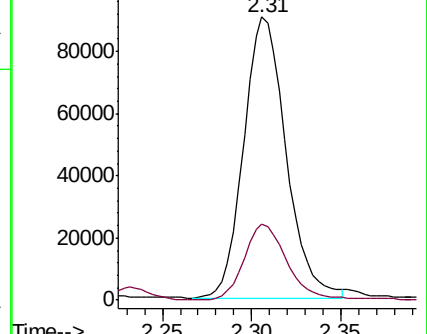
43 100

58 26.9 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034761.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU034761.D (-285) (-)



#15

Methyl Acetate

Concen: 1.143 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.02 min

Lab File: VU034761.D

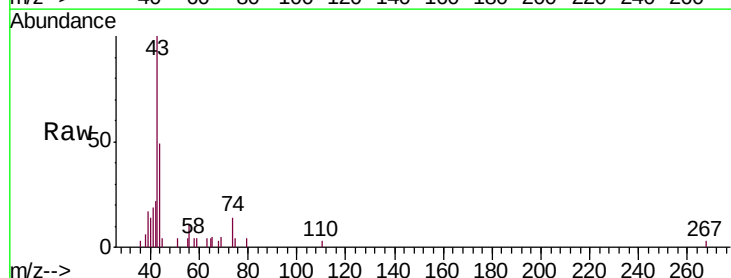
Acq: 24 Sep 2019 02:24

Tgt Ion: 43 Resp: 6944

Ion Ratio Lower Upper

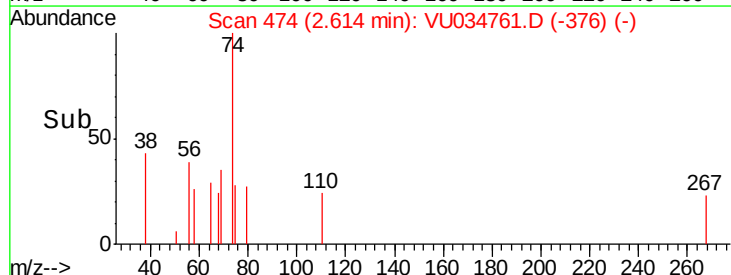
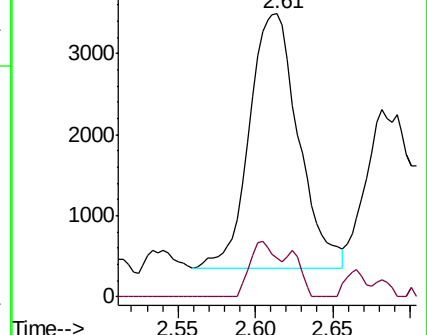
43 100

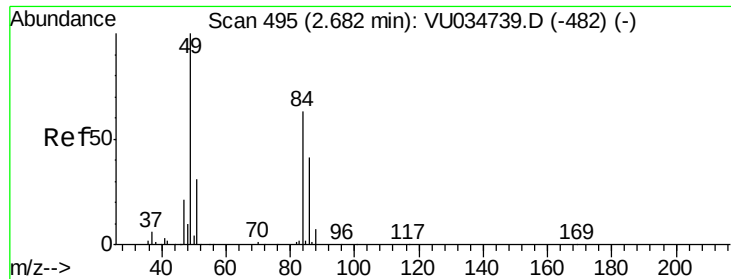
74 5.4 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VU034761.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU034761.D (-376) (-)

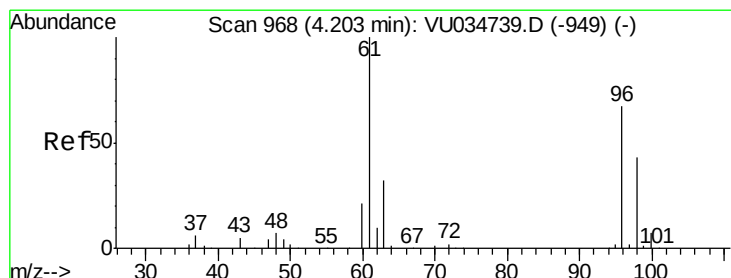
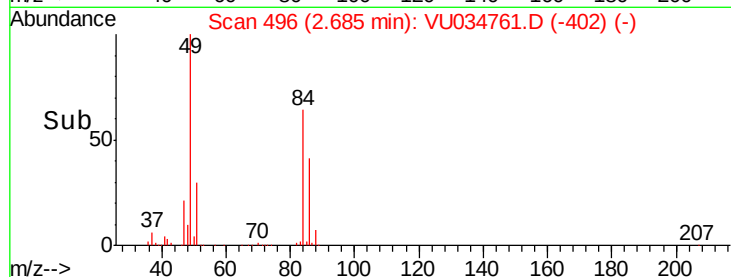
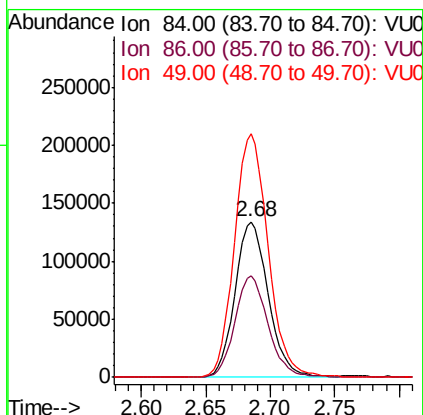
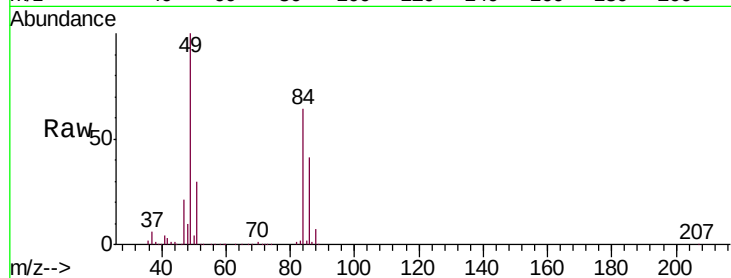




#16
Methylene chloride
Concen: 58.404 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034761.D
Acq: 24 Sep 2019 02:24

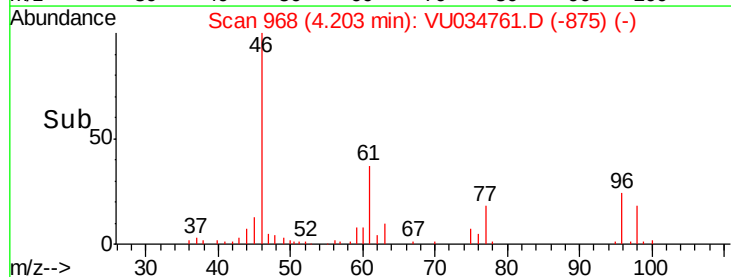
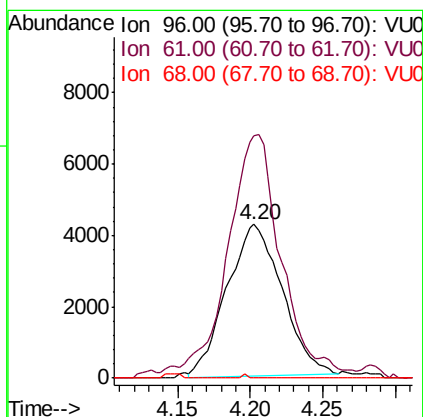
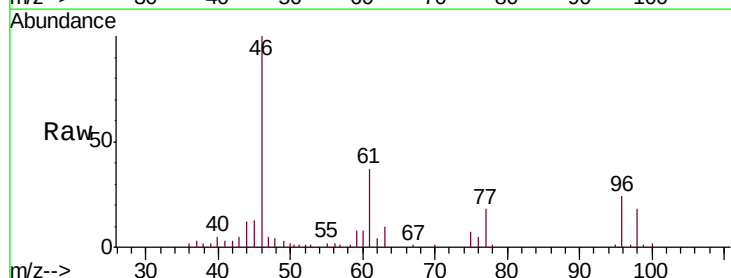
Instrument :
MSVOA_U
ClientSampleId :
BFDE9

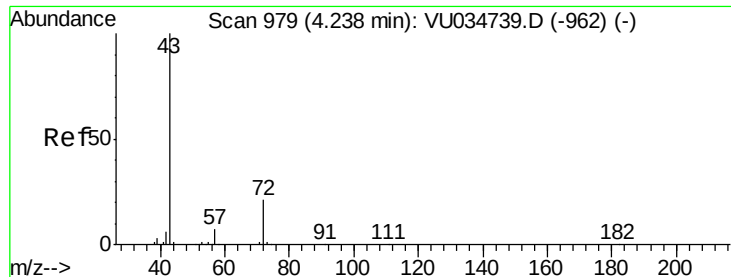
Tgt Ion: 84 Resp: 241141
Ion Ratio Lower Upper
84 100
86 64.9 43.0 80.0
49 156.7 109.7 203.7



#20
cis-1,2-Dichloroethene
Concen: 2.725 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034761.D
Acq: 24 Sep 2019 02:24

Tgt Ion: 96 Resp: 11356
Ion Ratio Lower Upper
96 100
61 157.4 108.8 202.2
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 9.179 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.01 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

Instrument :

MSVOA_U

ClientSampleId :

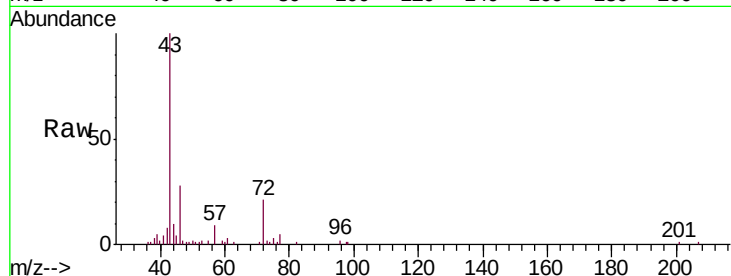
BFDE9

Tgt Ion: 43 Resp: 49654

Ion Ratio Lower Upper

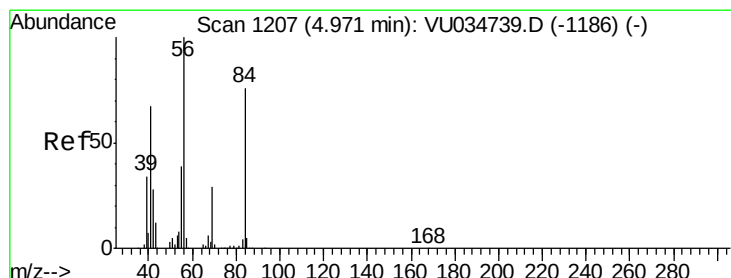
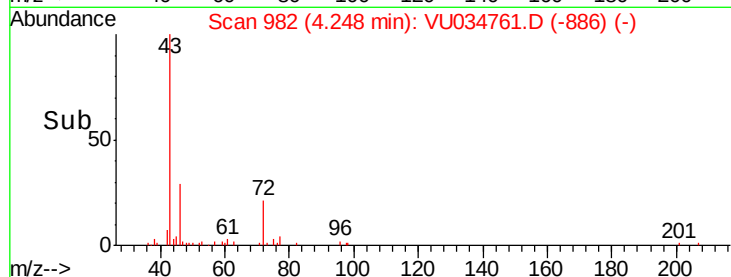
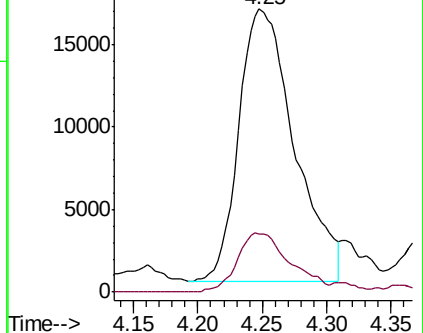
43 100

72 20.7 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034739.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034739.D (-962) (-)



#29

Cyclohexane

Concen: 4.045 ug/L

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

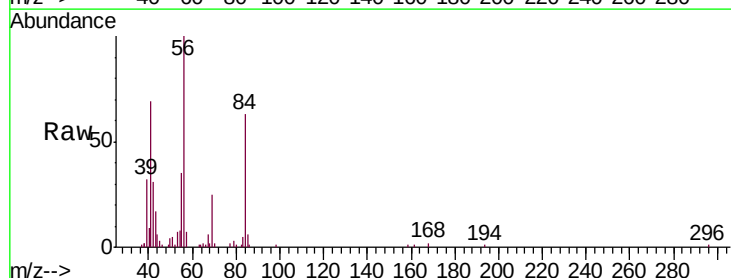
Tgt Ion: 56 Resp: 32113

Ion Ratio Lower Upper

56 100

69 29.8 21.7 32.5

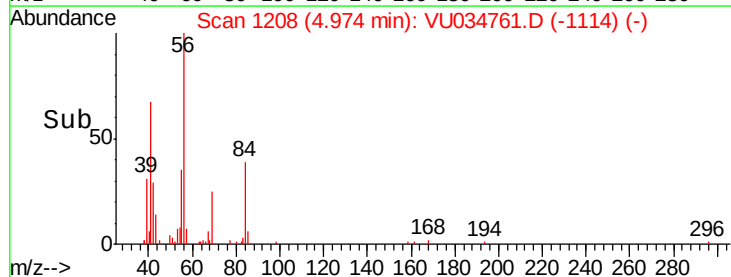
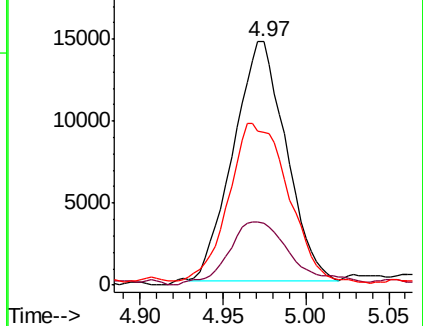
84 73.4 58.8 88.2

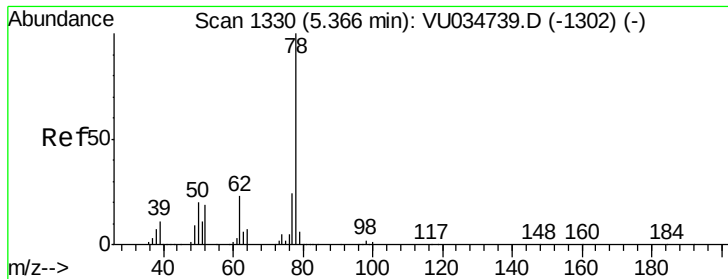


Abundance Ion 56.00 (55.70 to 56.70): VU034739.D (-1186) (-)

Ion 69.00 (68.70 to 69.70): VU034739.D (-1186) (-)

Ion 84.00 (83.70 to 84.70): VU034739.D (-1186) (-)





#33

Benzene

Concen: 8.415 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

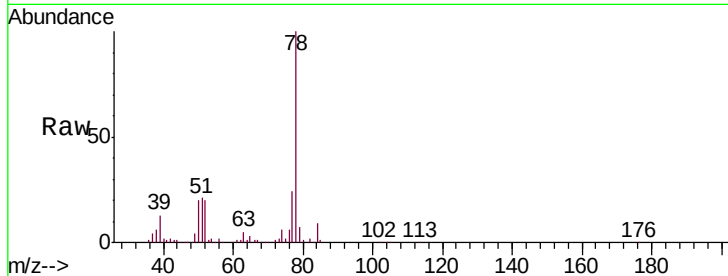
Instrument :

MSVOA_U

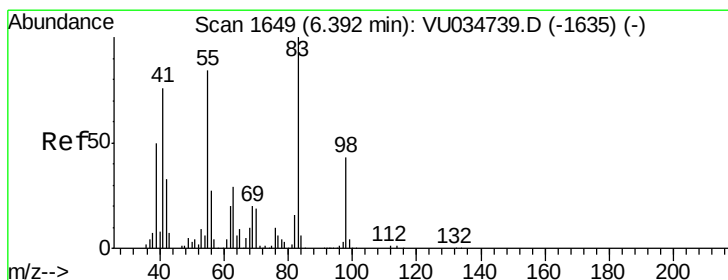
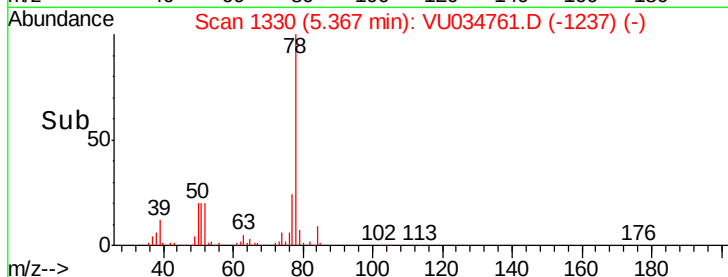
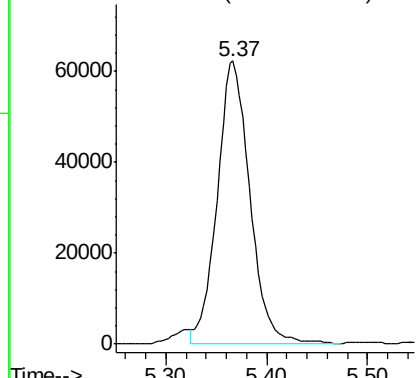
ClientSampleId :

BFDE9

Tgt Ion: 78 Resp: 140385



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 4.009 ug/L

RT: 6.39 min Scan# 1649

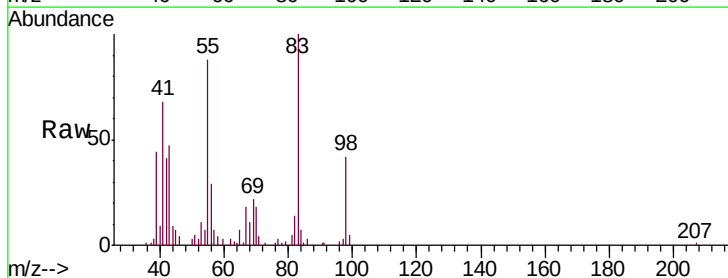
Delta R.T. 0.00 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

Tgt Ion: 83 Resp: 28028

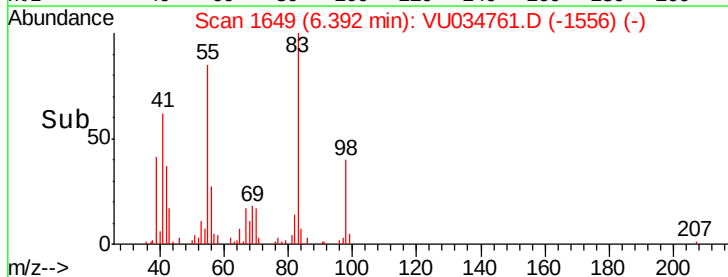
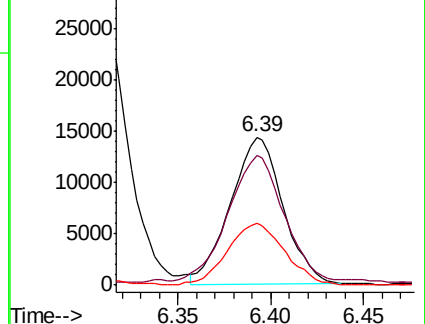
Ion	Ratio	Lower	Upper
83	100		
55	90.9	71.6	107.4
98	46.2	35.7	53.5

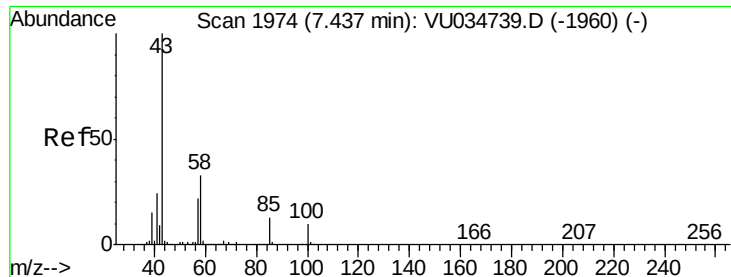


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

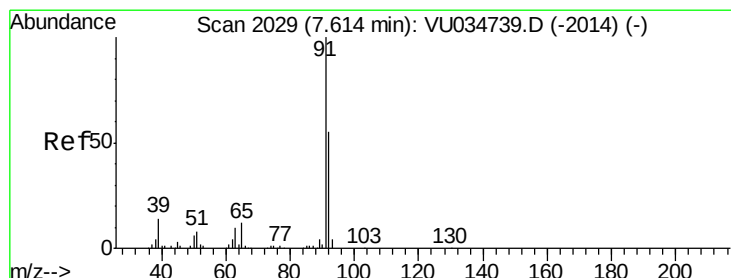
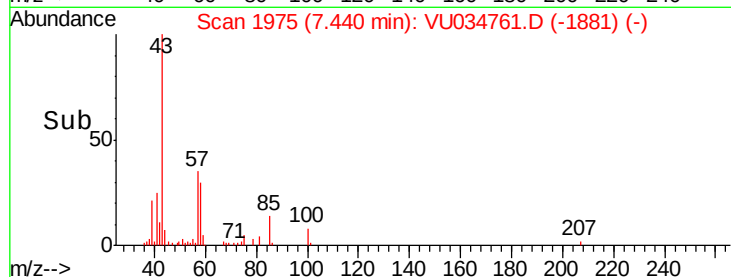
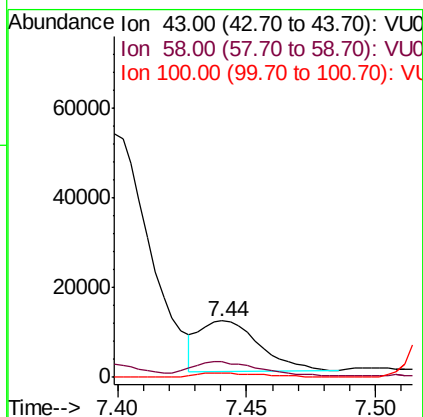
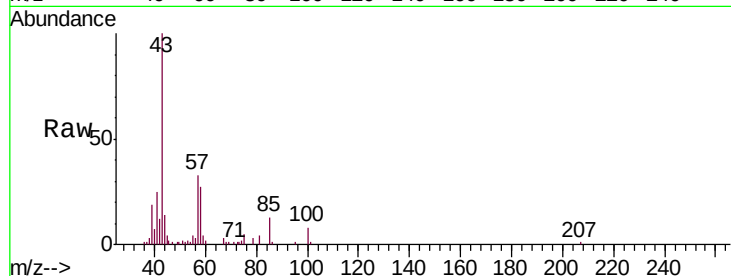




#40
 4-Methyl-2-pentanone
 Concen: 1.899 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034761.D
 Acq: 24 Sep 2019 02:24

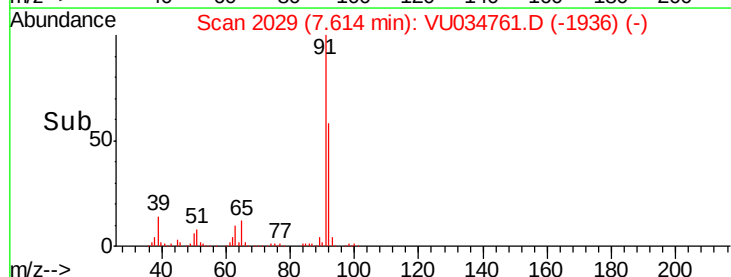
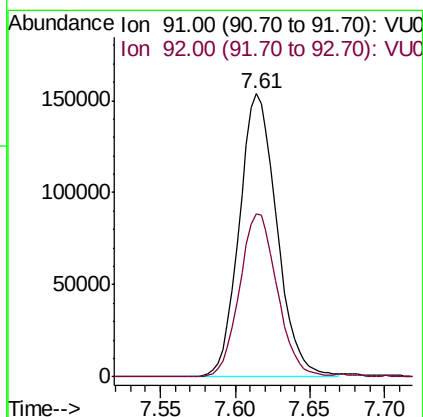
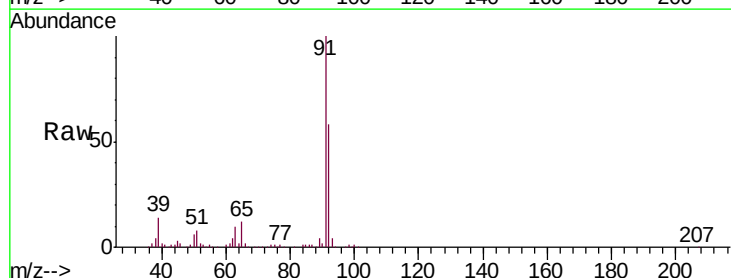
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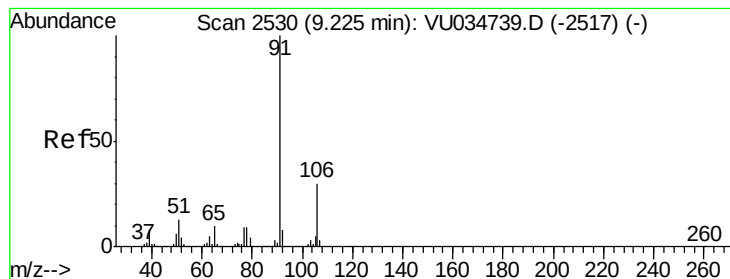
Tgt Ion: 43 Resp: 18007
 Ion Ratio Lower Upper
 43 100
 58 39.7 25.2 37.8#
 100 10.9 7.7 11.5



#42
 Toluene
 Concen: 14.937 ug/L
 RT: 7.61 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: VU034761.D
 Acq: 24 Sep 2019 02:24

Tgt Ion: 91 Resp: 269312
 Ion Ratio Lower Upper
 91 100
 92 57.8 38.2 71.0





#52

Ethylbenzene

Concen: 17.803 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

Instrument :

MSVOA_U

ClientSampleId :

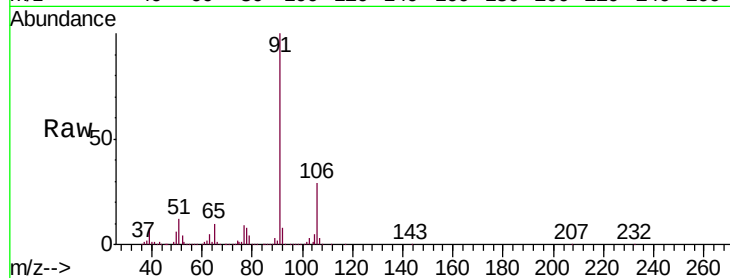
BFDE9

Tgt Ion: 91 Resp: 361468

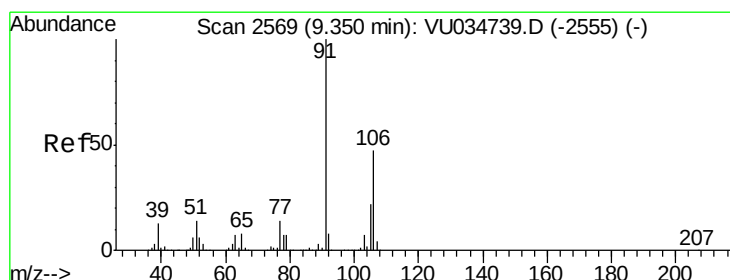
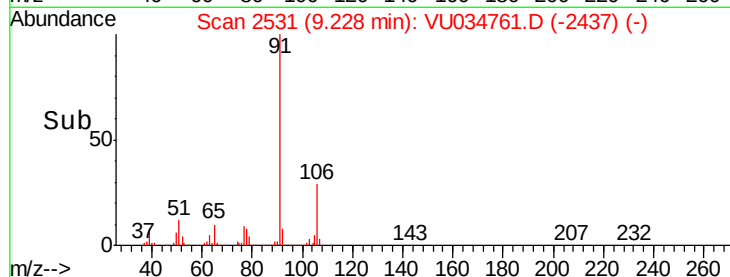
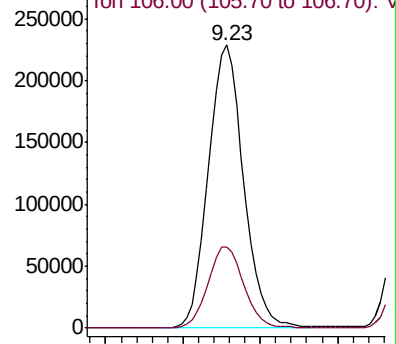
Ion Ratio Lower Upper

91 100

106 28.8 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU034739.D (-2517) (-)



#53

m,p-Xylene

Concen: 30.247 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU034761.D

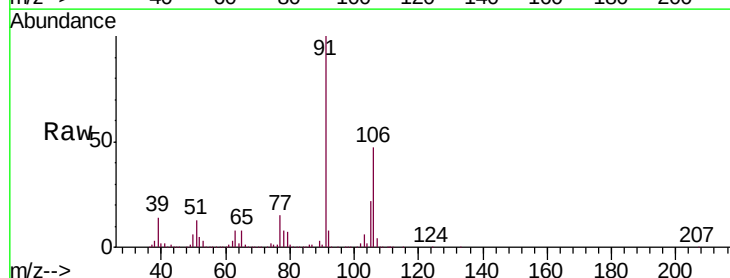
Acq: 24 Sep 2019 02:24

Tgt Ion: 106 Resp: 217512

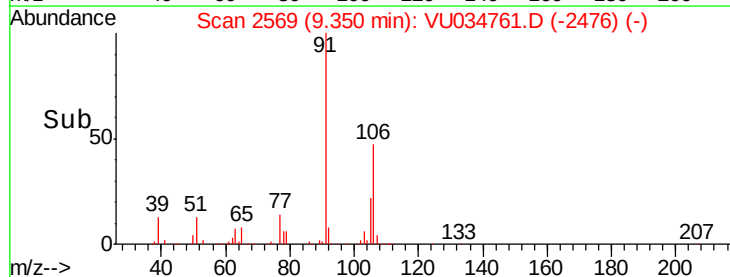
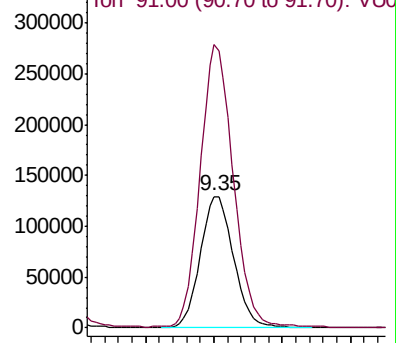
Ion Ratio Lower Upper

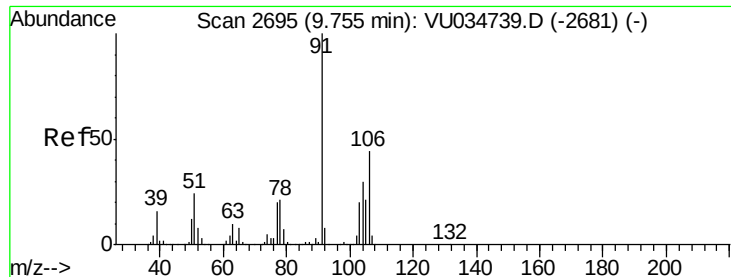
106 100

91 214.9 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): VU034739.D (-2555) (-)





#54

o-xylene

Concen: 29.510 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

Instrument :

MSVOA_U

ClientSampleId :

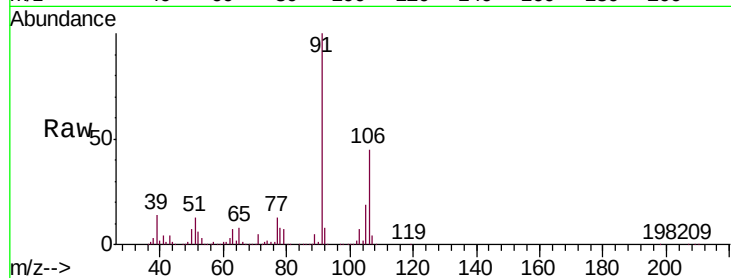
BFDE9

Tgt Ion:106 Resp: 209898

Ion Ratio Lower Upper

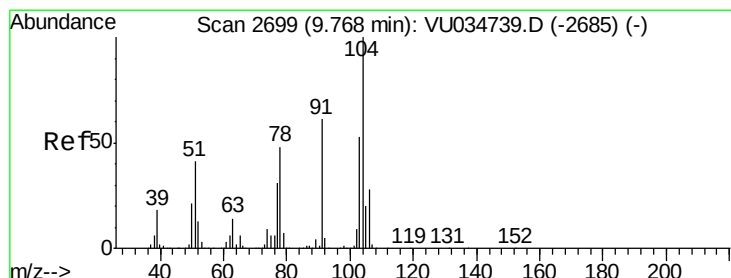
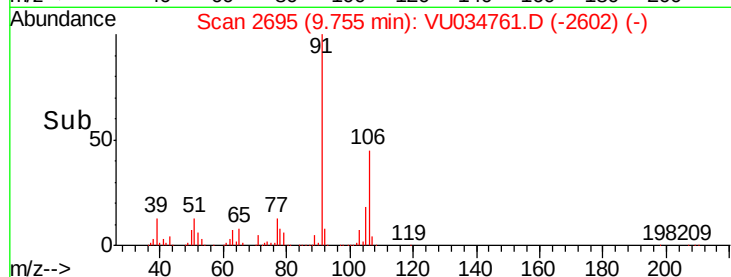
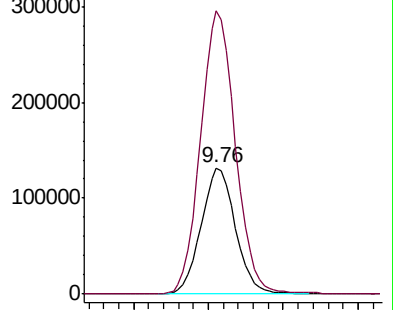
106 100

91 224.3 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 0.905 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.01 min

Lab File: VU034761.D

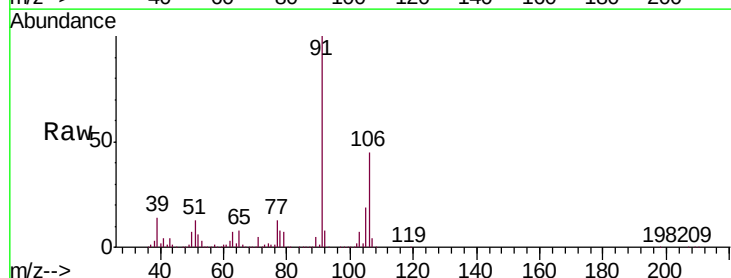
Acq: 24 Sep 2019 02:24

Tgt Ion:104 Resp: 10891

Ion Ratio Lower Upper

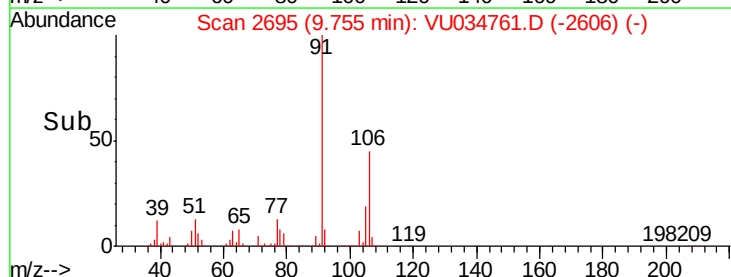
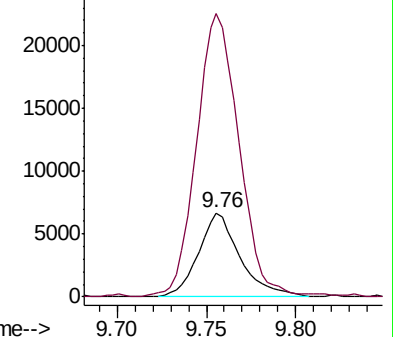
104 100

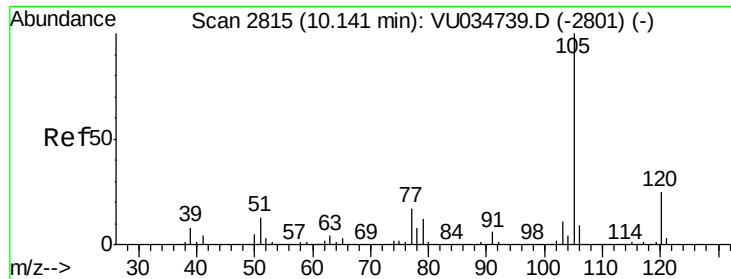
78 335.8 35.1 65.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 2.914 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

Instrument :

MSVOA_U

ClientSampleId :

BFDE9

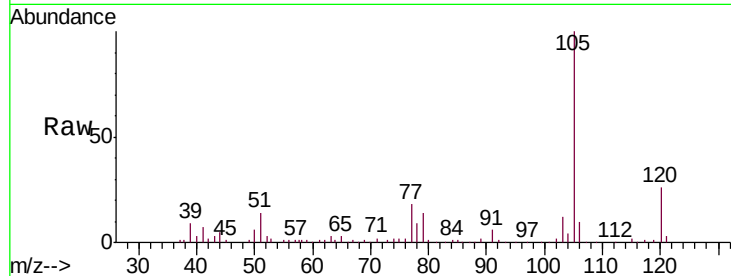
Tgt Ion:105 Resp: 55882

Ion Ratio Lower Upper

105 100

120 26.1 20.4 30.6

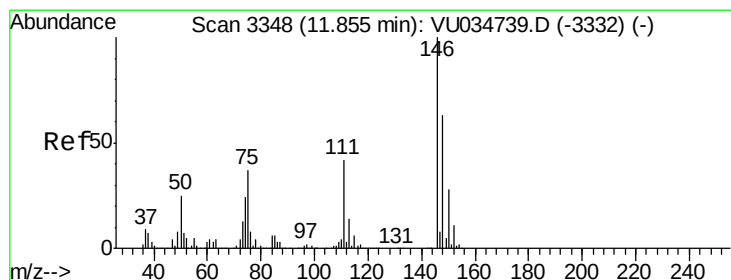
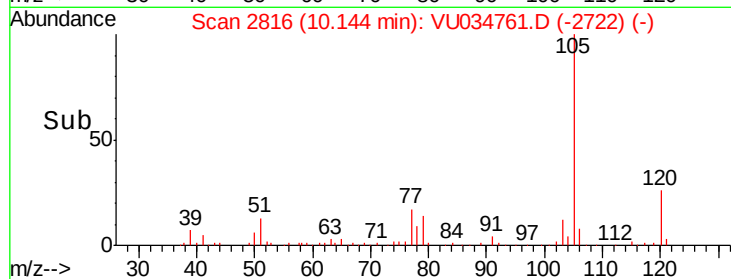
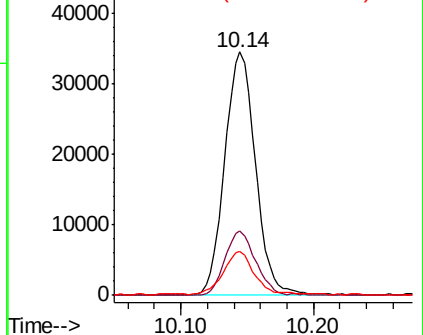
77 17.3 14.2 21.4



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): V



#65

1,2-Dichlorobenzene

Concen: 7.179 ug/L

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

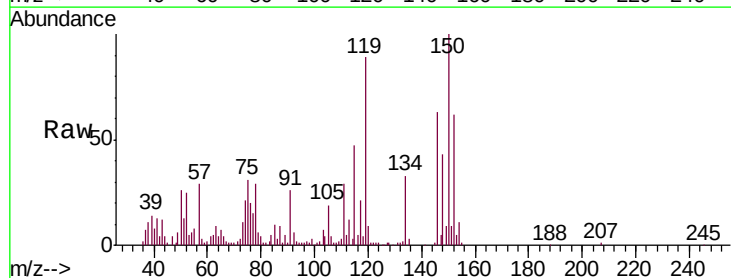
Tgt Ion:146 Resp: 58074

Ion Ratio Lower Upper

146 100

111 46.6 35.2 52.8

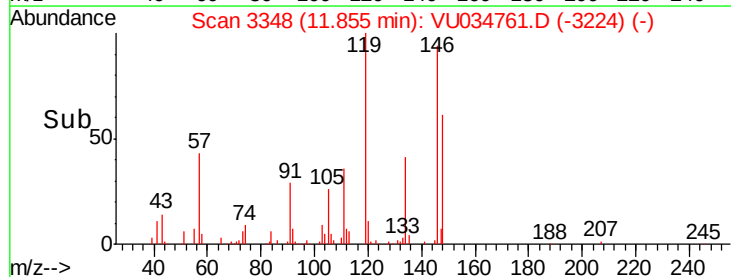
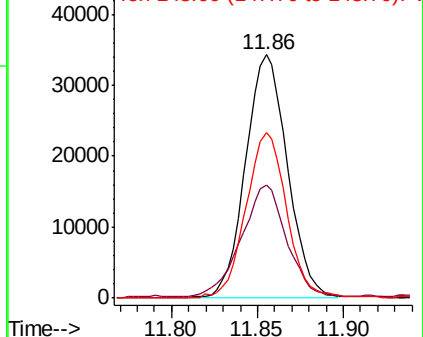
148 67.8 53.0 79.6

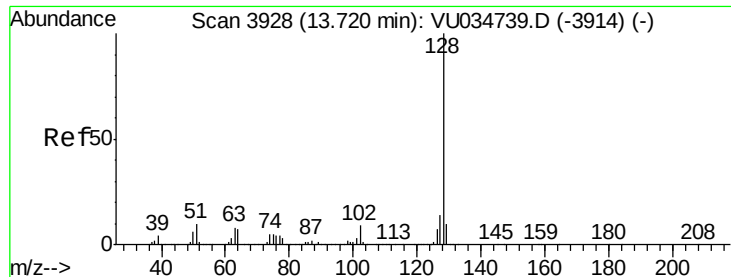


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 22.762 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034761.D

Acq: 24 Sep 2019 02:24

Instrument :

MSVOA_U

ClientSampleId :

BFDE9

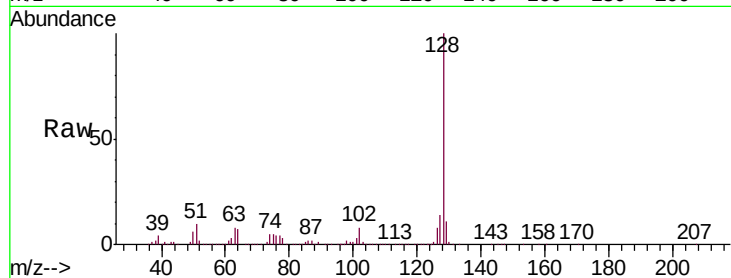
Tgt Ion:128 Resp: 332388

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 10.9 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

