

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034760.D
 Acq On : 24 Sep 2019 02:00
 Operator : JC/SP
 Sample : K4932-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDE8

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 12:48:46 PM

Quant Time: Sep 24 06:32:44 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	498272	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	472400	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	219154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	205667	40.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.64%
7) Chloroethane-d5	1.67	69	168767	42.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.62%
11) 1,1-Dichloroethene-d2	2.26	63	285818	33.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.18%
21) 2-Butanone-d5	0.00	46	0d	0.00	ug/L	
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.00%#
24) Chloroform-d	4.65	84	15502	2.09	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	4.18%#
26) 1,2-Dichloroethane-d4	5.29	65	269063	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
32) Benzene-d6	5.32	84	733258	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
36) 1,2-Dichloropropane-d6	6.31	67	257976	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.82%
41) Toluene-d8	7.54	98	697231	50.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.10%
43) trans-1,3-Dichloropropene-	7.83	79	108015	44.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.14%
47) 2-Hexanone-d5	8.30	63	1851m	0.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.72%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	2401	0.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	0.68%#
64) 1,2-Dichlorobenzene-d4	11.84	152	242445	52.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	6505	1.158	ug/L	# 39
13) Acetone	2.31	43	186797	41.075	ug/L	100
16) Methylene chloride	2.68	84	754130	182.620	ug/L	98
20) cis-1,2-Dichloroethene	4.21	96	16946	4.066	ug/L	76
22) 2-Butanone	4.23	43	482524	89.186	ug/L	100
25) Chloroform	4.65	83	325393	40.413	ug/L	100
34) Trichloroethene	6.16	95	193531	47.829	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	111380	11.958	ug/L	97
42) Toluene	7.62	91	72249	4.080	ug/L	95
48) 2-Hexanone	8.34	43	638703	87.801	ug/L	99
52) Ethylbenzene	9.23	91	24154	1.211	ug/L	99
53) m,p-Xylene	9.35	106	32083	4.543	ug/L	97
54) o-xylene	9.76	106	22639	3.241	ug/L	95

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

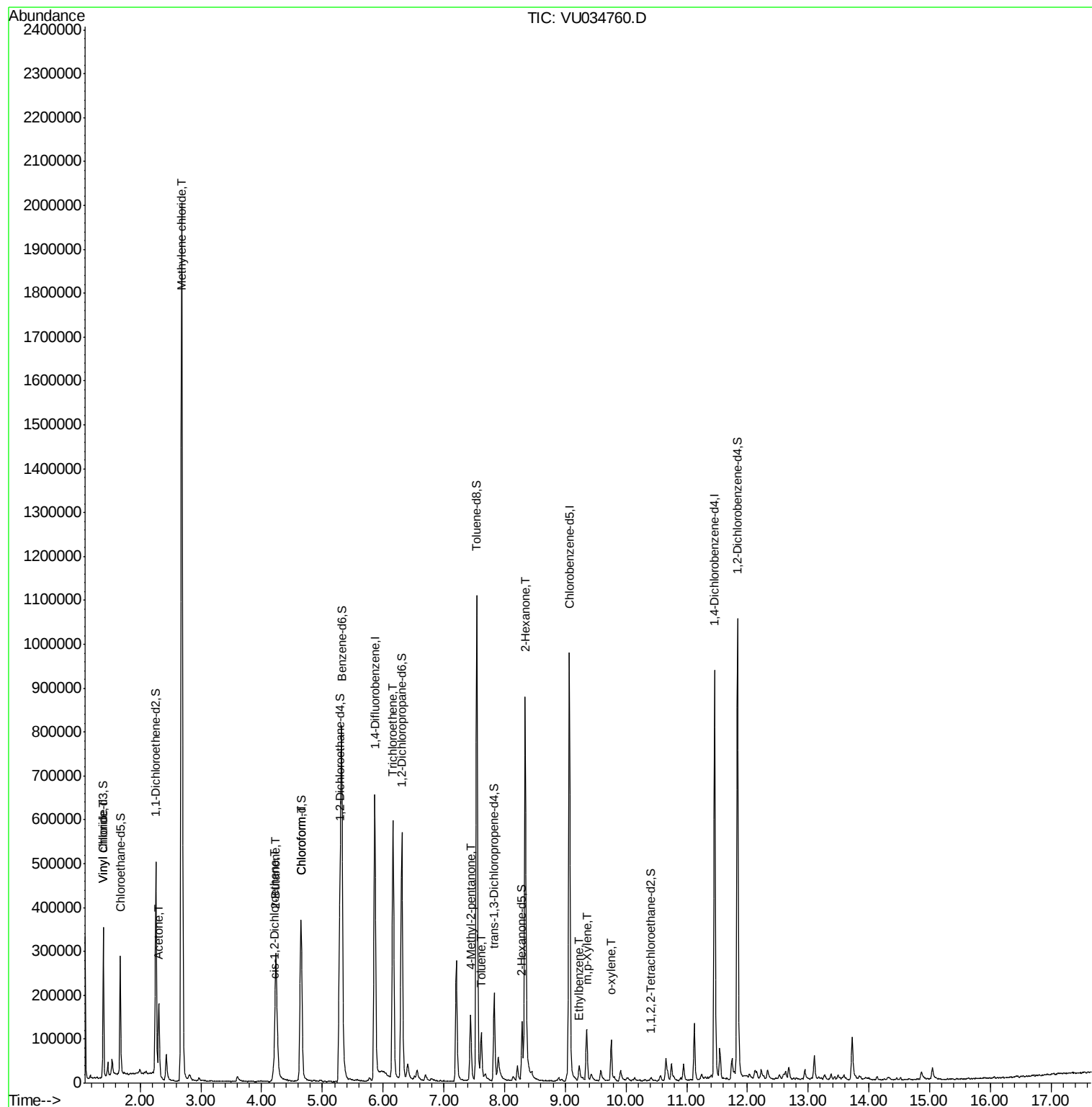
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034760.D
Acq On : 24 Sep 2019 02:00
Operator : JC/SP
Sample : K4932-17
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

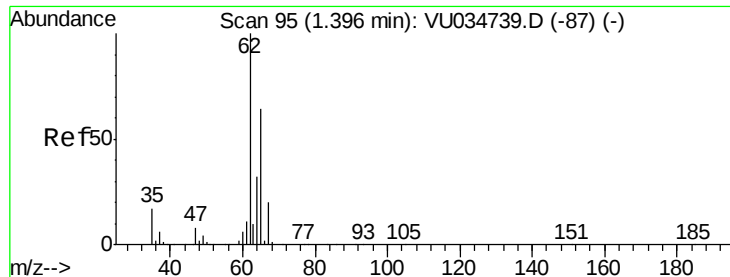
Instrument :
MSVOA_U
ClientSampleId :
BFDE8

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Quant Time: Sep 24 06:32:44 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





#5

Vinyl chloride

Concen: 1.158 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034760.D

Acq: 24 Sep 2019 02:00

Instrument :

MSVOA_U

ClientSampleId :

BFDE8

Tot Ion: 62 Resp: 6505

Ion Ratio Lower Upper

62 100

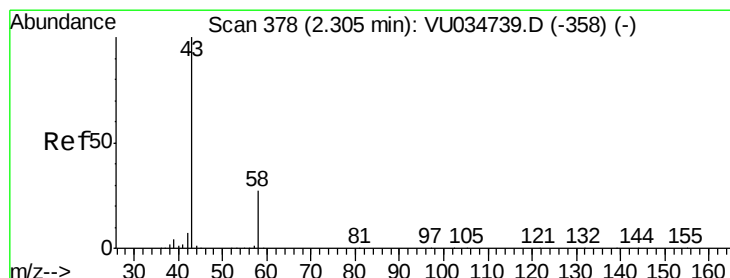
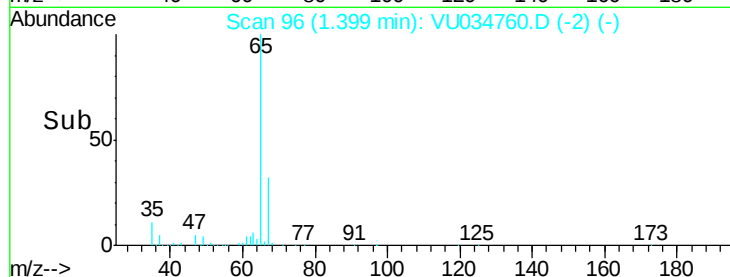
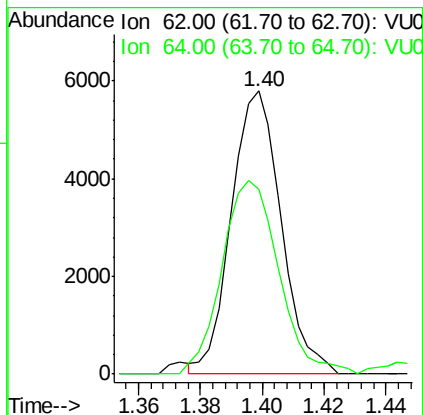
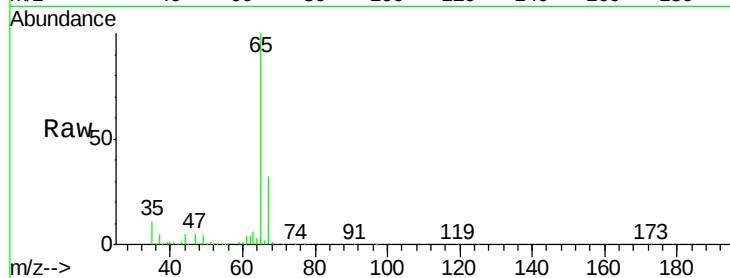
64 65.4 22.2 41.2#

Manual Integrations

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#13

Acetone

Concen: 41.075 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034760.D

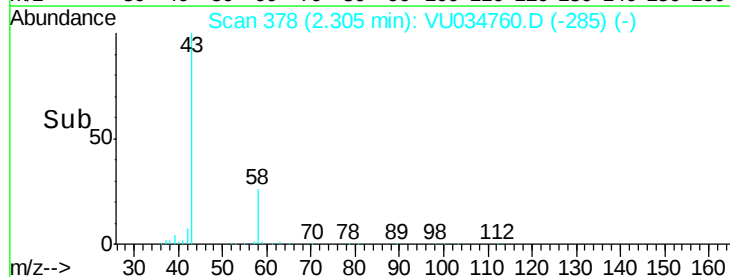
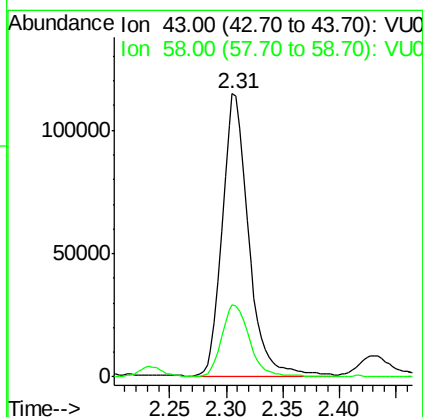
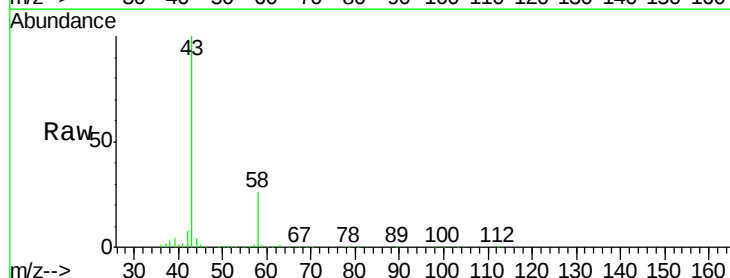
Acq: 24 Sep 2019 02:00

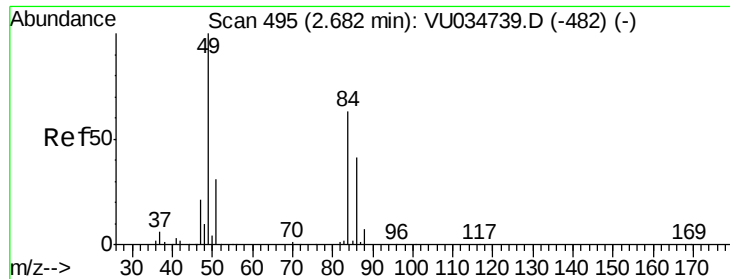
Tgt Ion: 43 Resp: 186797

Ion Ratio Lower Upper

43 100

58 26.5 0.0 53.4





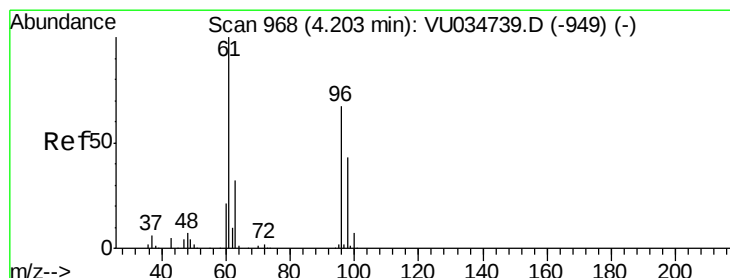
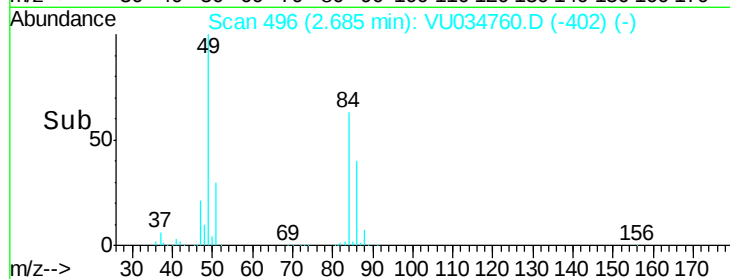
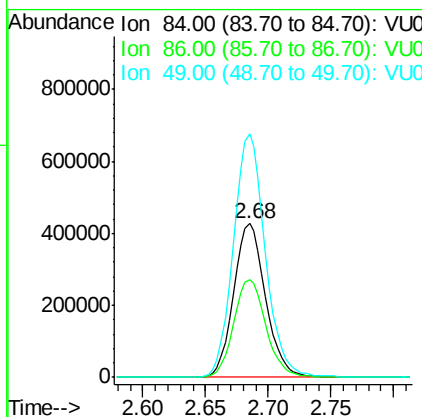
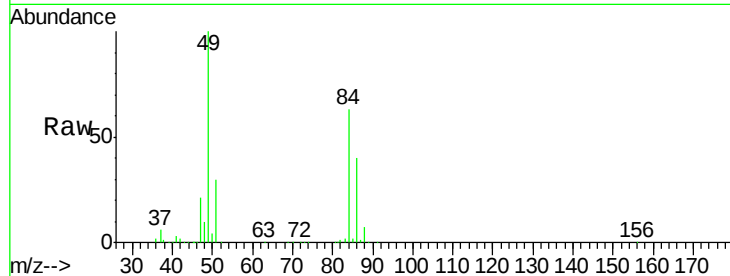
#16
Methvlene chloride
Concen: 182.620 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034760.D
Acq: 24 Sep 2019 02:00

Instrument :
MSVOA_U
ClientSampled :
BFDE8

Tot Ion	Ratio	Lower	Upper
84	100		
86	63.7	43.0	80.0
49	158.2	109.7	203.7

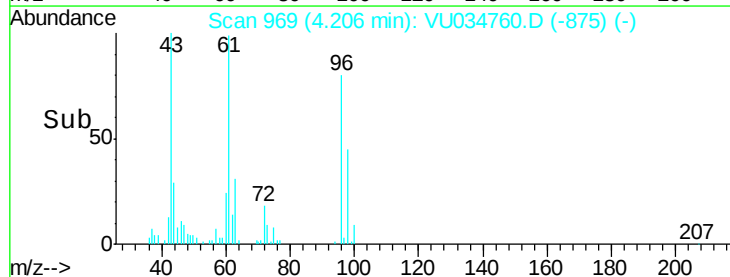
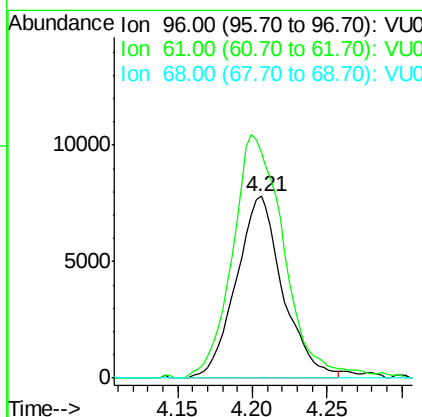
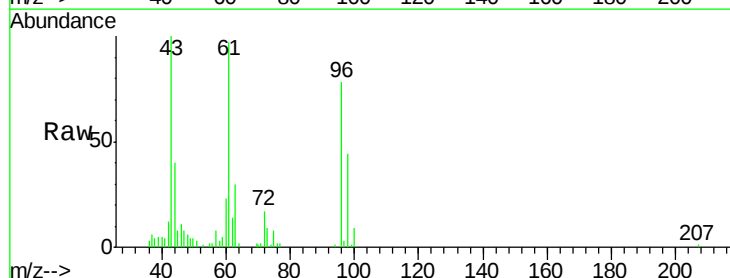
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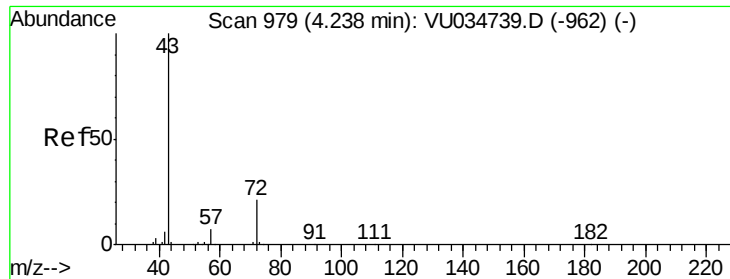
MMDadoda
9/24/2019 12:48:46 PM



#20
cis-1,2-Dichloroethene
Concen: 4.066 ug/L
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034760.D
Acq: 24 Sep 2019 02:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.5	108.8	202.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 89.186 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034760.D

Acq: 24 Sep 2019 02:00

Instrument :

MSVOA_U

ClientSampleId :

BFDE8

Tot Ion: 43 Resp: 482524

Ion Ratio Lower Upper

43 100

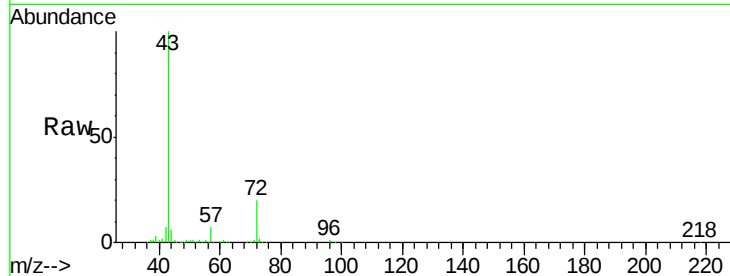
72 20.2 10.2 30.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034760.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VU034760.D (-886) (-)

4.23

200000

150000

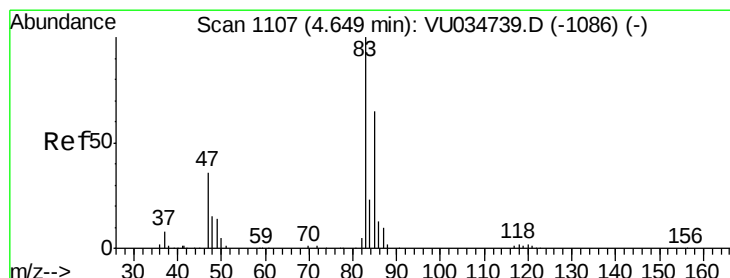
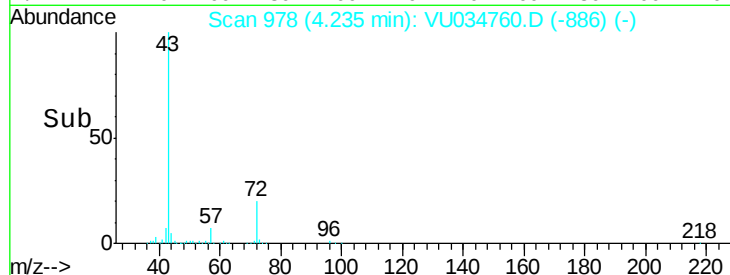
100000

50000

0

4.20 4.30

Time-->



#25

Chloroform

Concen: 40.413 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VU034760.D

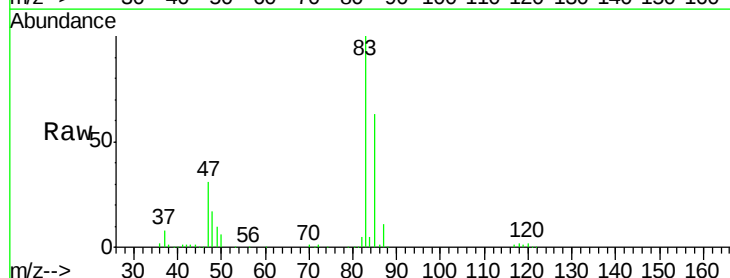
Acq: 24 Sep 2019 02:00

Tgt Ion: 83 Resp: 325393

Ion Ratio Lower Upper

83 100

85 63.1 44.0 81.6



Abundance Ion 83.00 (82.70 to 83.70): VU034760.D (-1014) (-)

Ion 85.00 (84.70 to 85.70): VU034760.D (-1014) (-)

4.65

150000

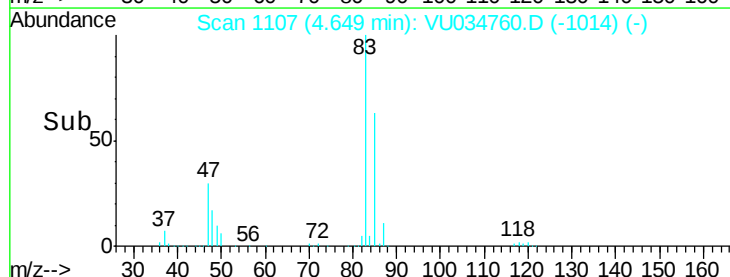
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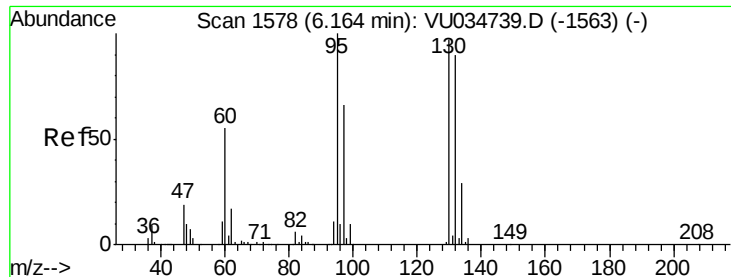
50000

0

4.60 4.70

Time-->





#34

Trichloroethene

Concen: 47.829 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034760.D

Acq: 24 Sep 2019 02:00

Instrument :

MSVOA_U

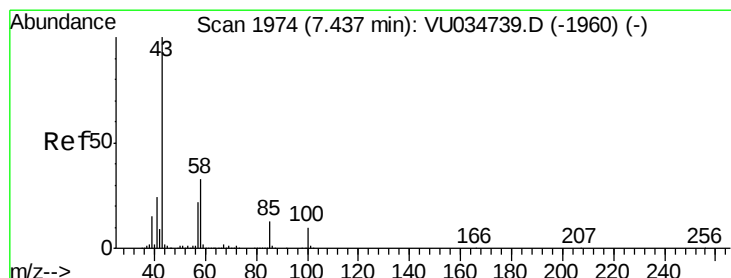
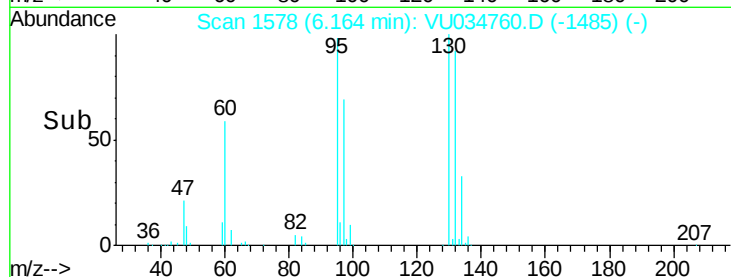
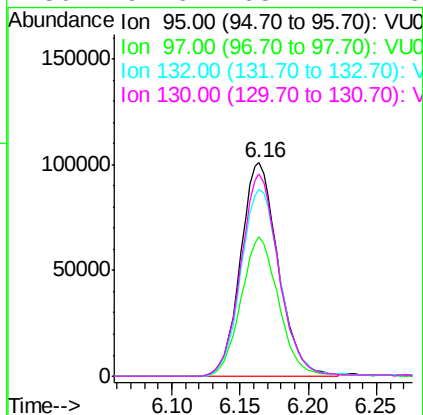
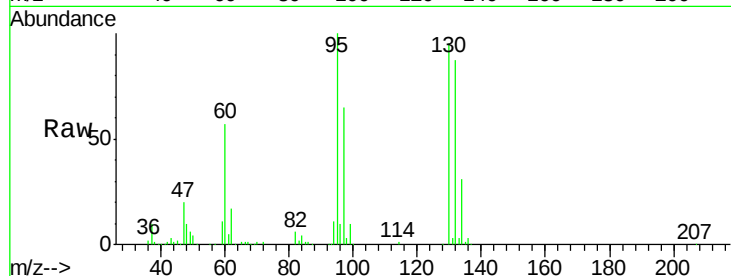
ClientSampleId :

BFDE8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		193531		
97	65.1	43.7	81.1		
132	87.2	61.0	113.2		
130	94.6	65.7	121.9		

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#40

4-Methyl-2-pentanone

Concen: 11.958 ug/L

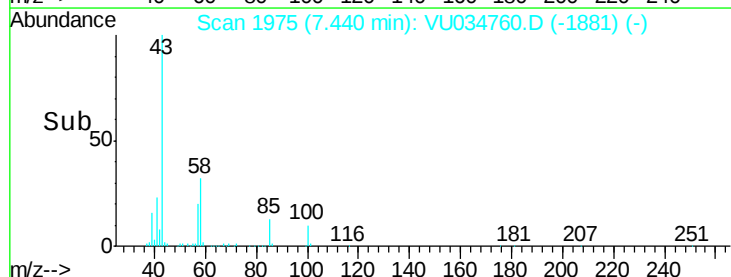
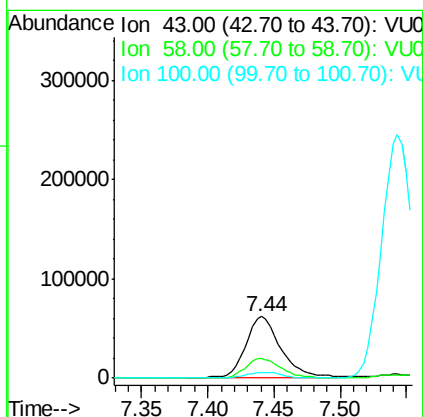
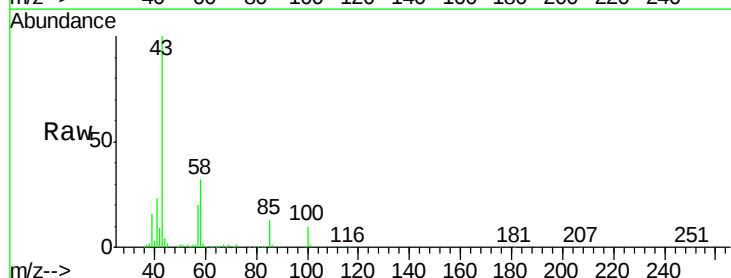
RT: 7.44 min Scan# 1975

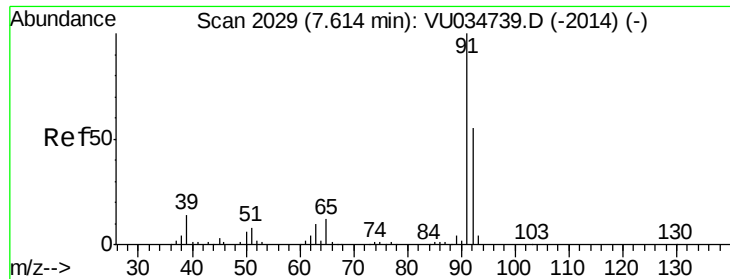
Delta R.T. 0.00 min

Lab File: VU034760.D

Acq: 24 Sep 2019 02:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		111380		
58	33.1	25.2	37.8		
100	10.5	7.7	11.5		





#42

Toluene

Concen: 4.080 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034760.D

Acq: 24 Sep 2019 02:00

Instrument :

MSVOA_U

ClientSampled :

BFDE8

Tot Ion: 91 Resp: 72249

Ion Ratio Lower Upper

91 100

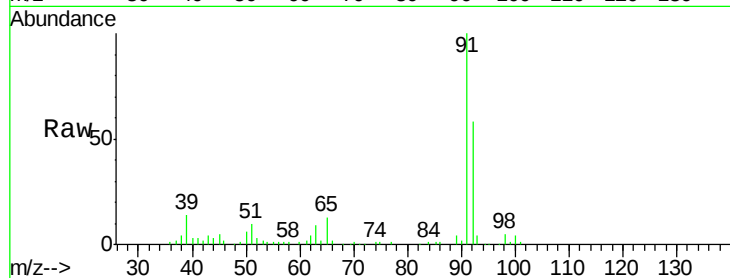
92 58.3 38.2 71.0

Manual Integrations

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9/24/2019 12:48:46 PM



Abundance Ion 91.00 (90.70 to 91.70): VU034739.D (-2014) (-)

Ion 92.00 (91.70 to 92.70): VU034739.D (-2014) (-)

7.62

40000

30000

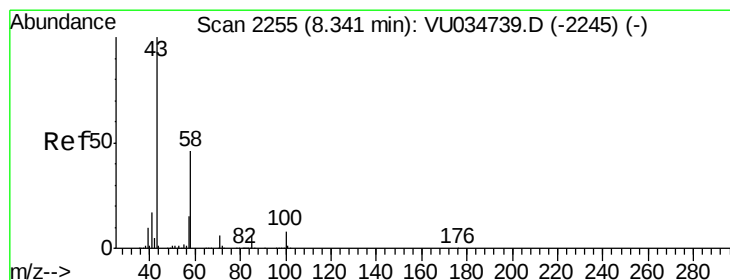
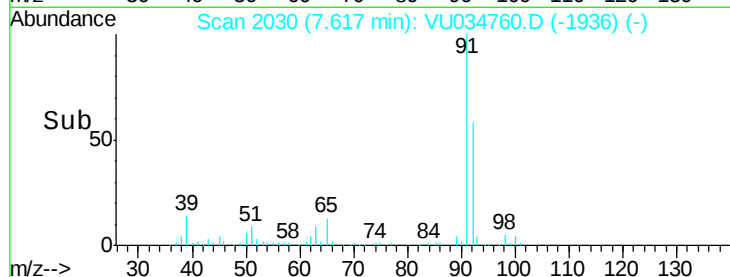
20000

10000

0

7.55 7.60 7.65

Time-->



#48

2-Hexanone

Concen: 87.801 ug/L

RT: 8.34 min Scan# 2255

Delta R.T. -0.00 min

Lab File: VU034760.D

Acq: 24 Sep 2019 02:00

Tgt Ion: 43 Resp: 638703

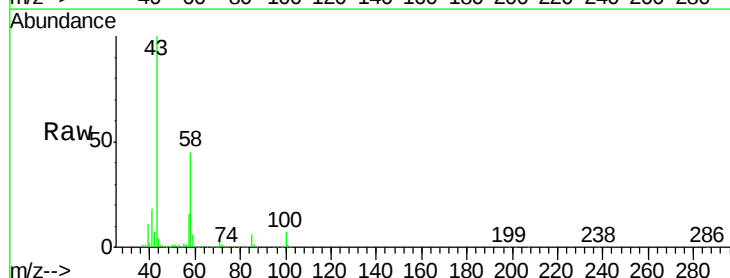
Ion Ratio Lower Upper

43 100

58 44.3 35.3 52.9

57 15.3 12.1 18.1

100 7.0 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VU034739.D (-2245) (-)

Ion 58.00 (57.70 to 58.70): VU034739.D (-2245) (-)

Ion 57.00 (56.70 to 57.70): VU034739.D (-2245) (-)

Ion 100.00 (99.70 to 100.70): VU034739.D (-2245) (-)

8.34

500000

400000

300000

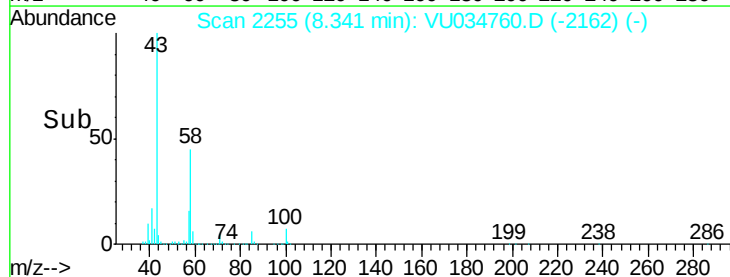
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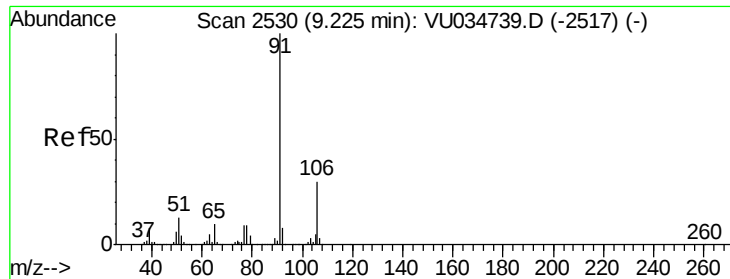
100000

0

8.30 8.35 8.40 8.45

Time-->





#52

Ethylbenzene

Concen: 1.211 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.01 min

Lab File: VU034760.D

Acq: 24 Sep 2019 02:00

Instrument :

MSVOA_U

ClientSampled :

BFDE8

Tot Ion: 91 Resp: 24154

Ion Ratio Lower Upper

91 100

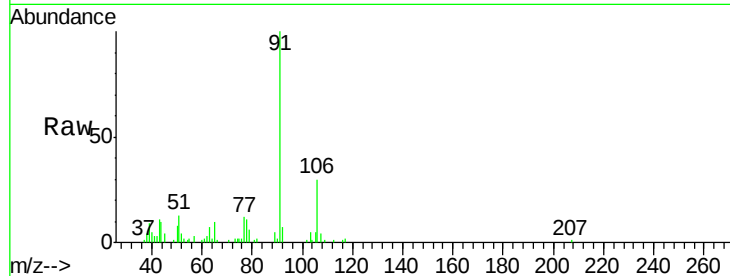
106 30.1 20.6 38.4

Manual Integrations

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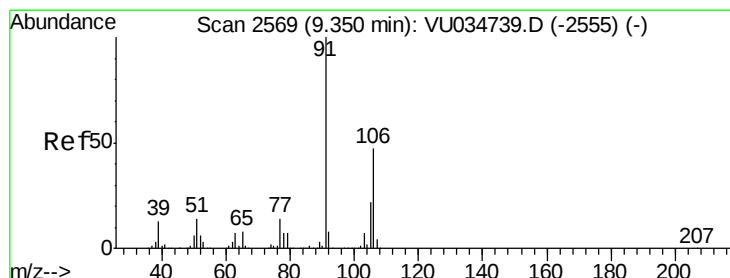
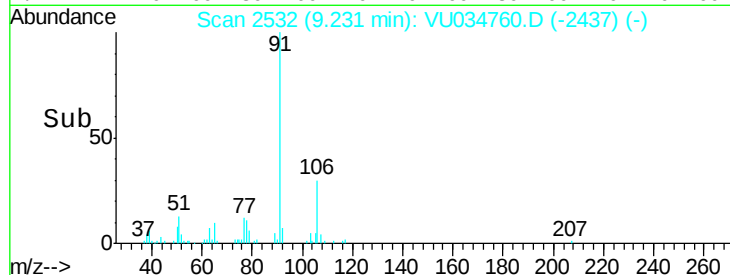
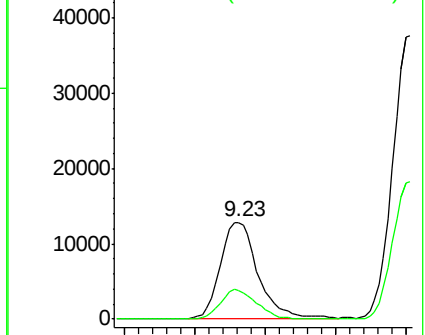
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9/24/2019 12:48:46 PM



Abundance Ion 91.00 (90.70 to 91.70): VU034760.D (-2437) (-)

Ion 106.00 (105.70 to 106.70): VU034760.D (-2437) (-)



#53

m,p-Xylene

Concen: 4.543 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034760.D

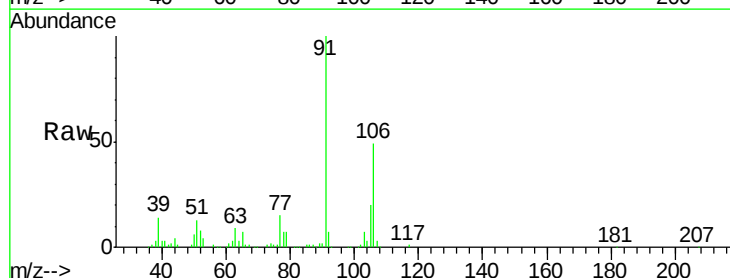
Acq: 24 Sep 2019 02:00

Tgt Ion: 106 Resp: 32083

Ion Ratio Lower Upper

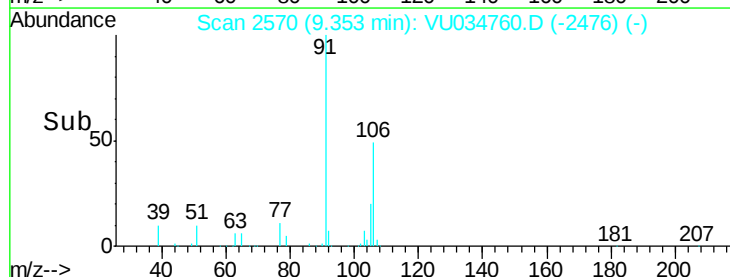
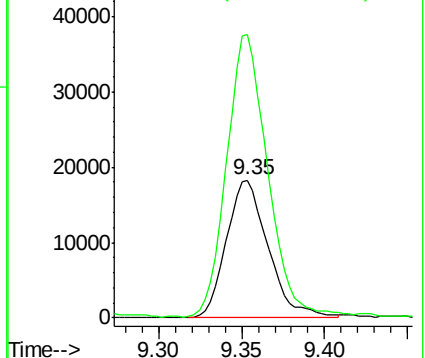
106 100

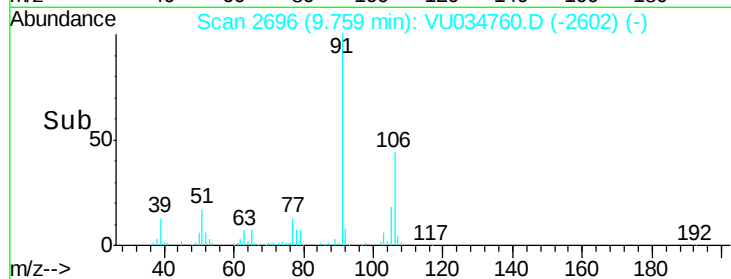
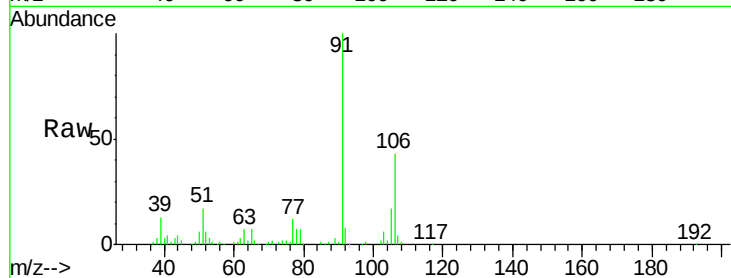
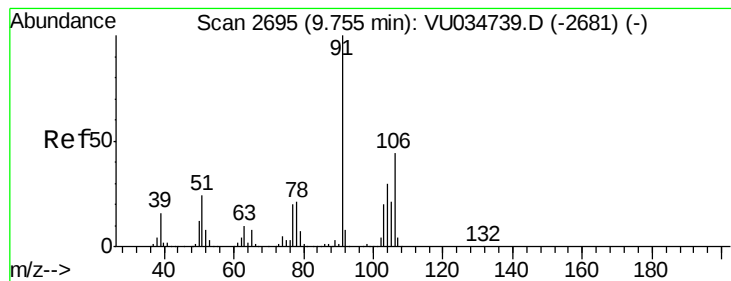
91 205.8 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): VU034760.D (-2476) (-)

Ion 91.00 (90.70 to 91.70): VU034760.D (-2476) (-)





#54

o-xylene

Concen: 3.241 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034760.D

Acq: 24 Sep 2019 02:00

Tot Ion:106 Resp: 22639

Ion Ratio Lower Upper

106 100

91 231.1 155.6 289.0

Instrument :

MSVOA_U

ClientSampleId :

BFDE8

Manual Integrations

APPROVED

MMDadoda

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