

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042919\
 Data File : VU031621.D
 Acq On : 30 Apr 2019 05:28
 Operator : JC/SP
 Sample : K2593-10 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X74

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:45:04 AM

Quant Time: Apr 30 05:58:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 04:50:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	633816	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	637103	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	230634	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	323405	60.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	121.94%
7) Chloroethane-d5	1.68	69	240065	58.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.12%
11) 1,1-Dichloroethene-d2	2.27	63	449607	42.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.12%
21) 2-Butanone-d5	4.18	46	588421	122.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.43%
24) Chloroform-d	4.64	84	505921	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.16%
26) 1,2-Dichloroethane-d4	5.31	65	360476	56.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.58%
32) Benzene-d6	5.34	84	1009219	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
36) 1,2-Dichloropropane-d6	6.33	67	376268	54.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.34%
41) Toluene-d8	7.56	98	835778	49.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.10%
43) trans-1,3-Dichloropropene-	7.85	79	146182	49.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.96%
47) 2-Hexanone-d5	8.31	63	342259	114.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	456233	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	248981	51.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	1048413	116.653	ug/L	99
16) Methylene chloride	2.70	84	68589	11.753	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	12563	2.438	ug/L	93
20) cis-1,2-Dichloroethene	4.22	96	101604	18.382	ug/L	89
31) Carbon tetrachloride	5.13	117	9349	1.225	ug/L	100
34) Trichloroethene	6.17	95	32295897m	5687.914	ug/L	
40) 4-Methyl-2-pentanone	7.47	43	31416	3.071	ug/L	99
42) Toluene	7.63	91	237383	10.174	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	16004	2.919	ug/L	95
46) Tetrachloroethene	8.22	164	306211	79.106	ug/L	95
52) Ethylbenzene	9.26	91	11303	0.467	ug/L	93
53) m,p-Xylene	9.38	106	16979	2.013	ug/L	91
54) o-xylene	9.78	106	8269	0.989	ug/L	89

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

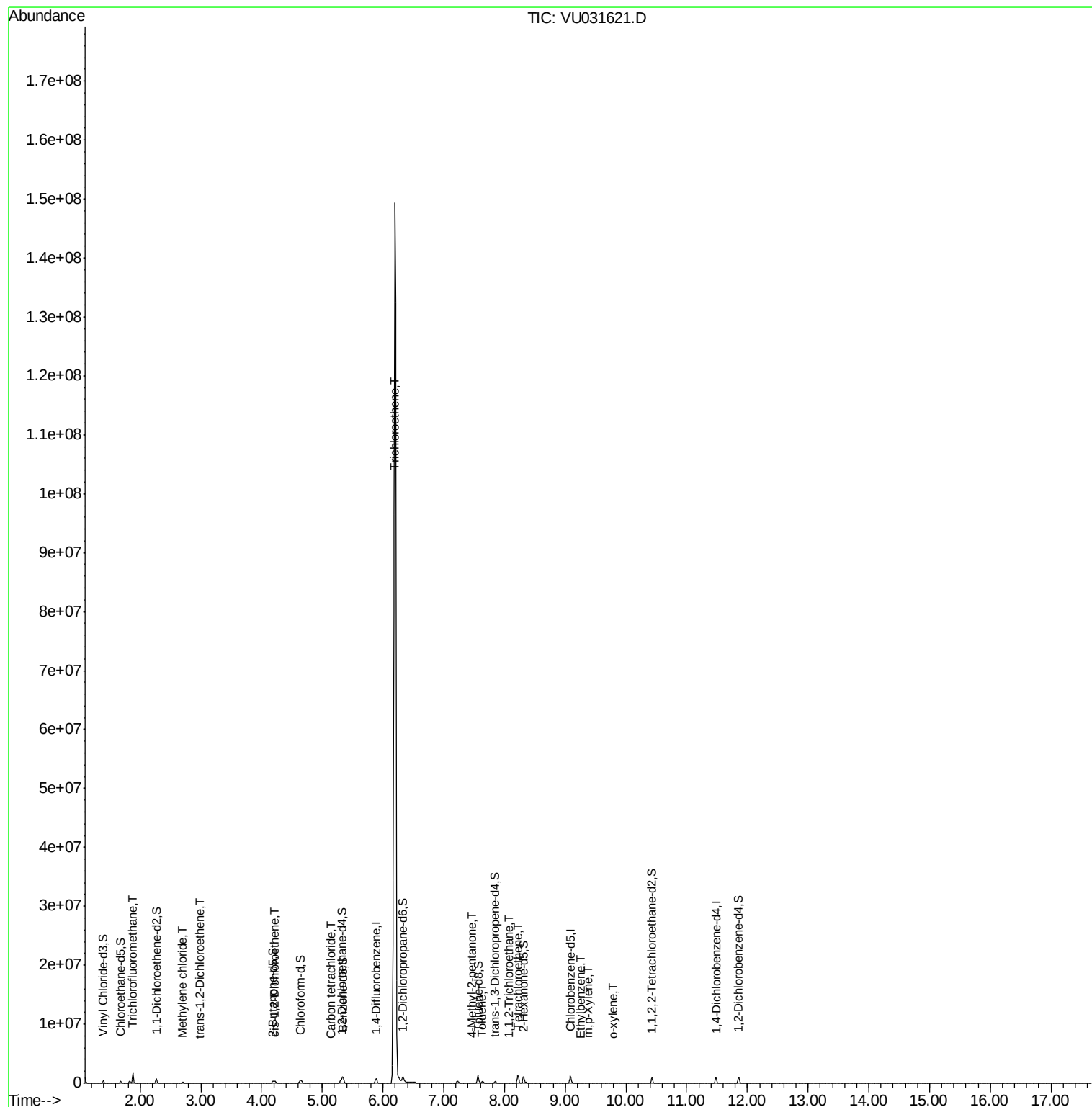
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042919\
Data File : VU031621.D
Acq On : 30 Apr 2019 05:28
Operator : JC/SP
Sample : K2593-10 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 54 Sample Multiplier: 1

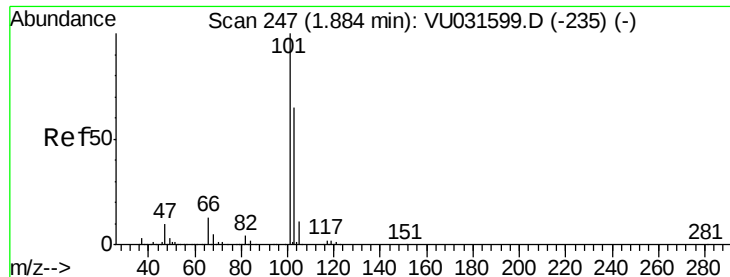
Instrument :
MSVOA_U
ClientSampleId :
C0X74

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Quant Time: Apr 30 05:58:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 04:50:11 2019
Response via : Initial Calibration





#9

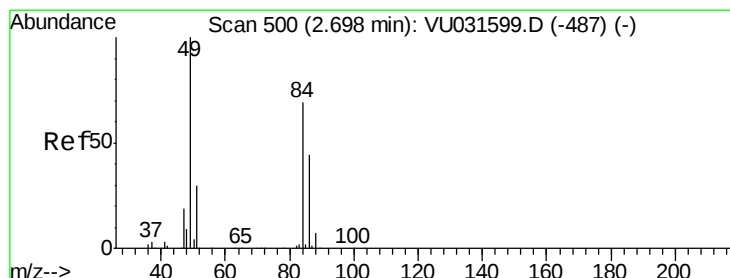
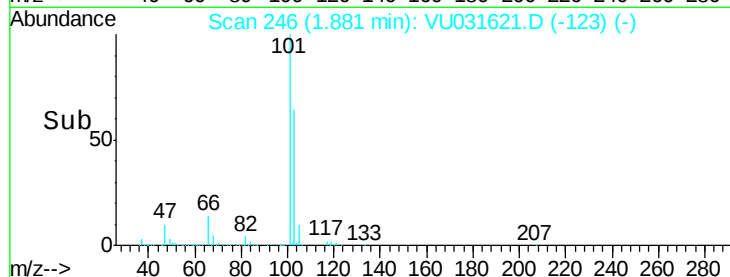
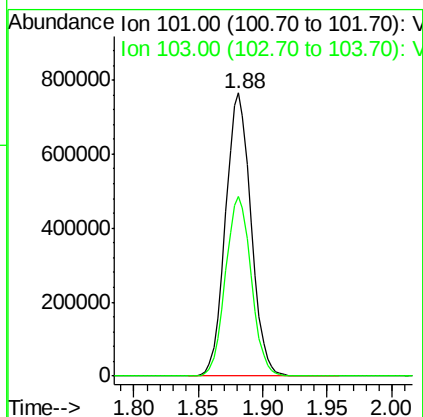
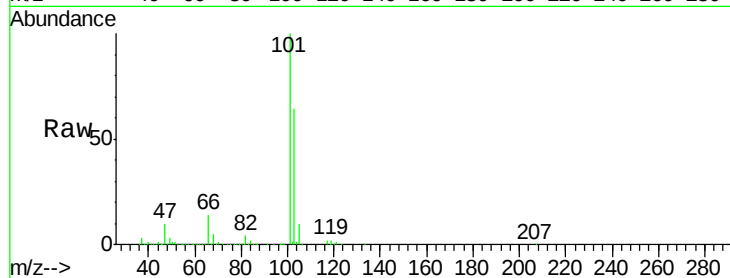
Trichlorofluoromethane
Concen: 116.653 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU031621.D
Acq: 30 Apr 2019 05:28

Instrument :
MSVOA_U
ClientSampled :
C0X74

Tot Ion:101 Resp: 1048413
Ion Ratio Lower Upper
101 100
103 64.0 50.8 76.2

Manual Integrations
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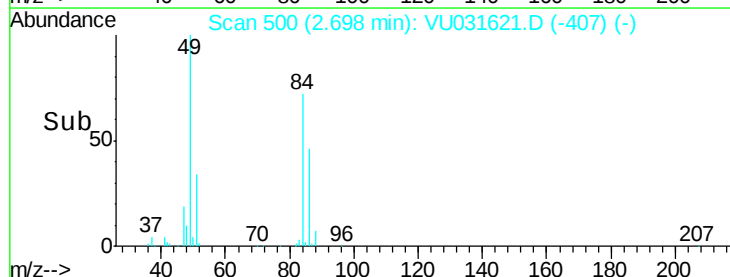
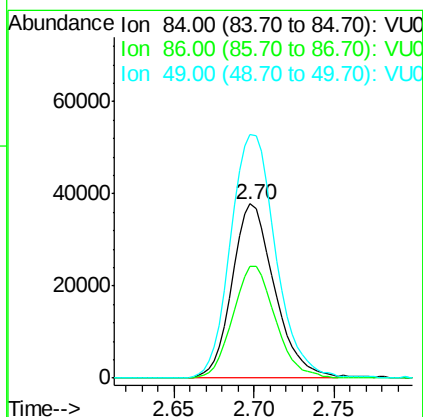
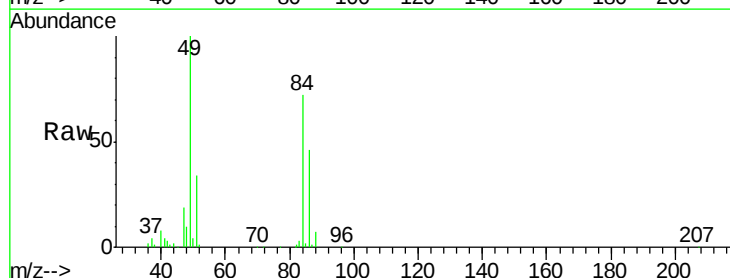
MMDadoda
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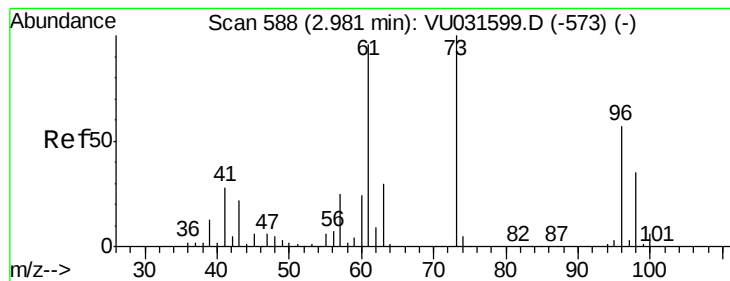


#16

Methylene chloride
Concen: 11.753 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031621.D
Acq: 30 Apr 2019 05:28

Tgt Ion: 84 Resp: 68589
Ion Ratio Lower Upper
84 100
86 64.3 44.7 83.1
49 139.7 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 2.438 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031621.D

Acq: 30 Apr 2019 05:28

Instrument :

MSVOA_U

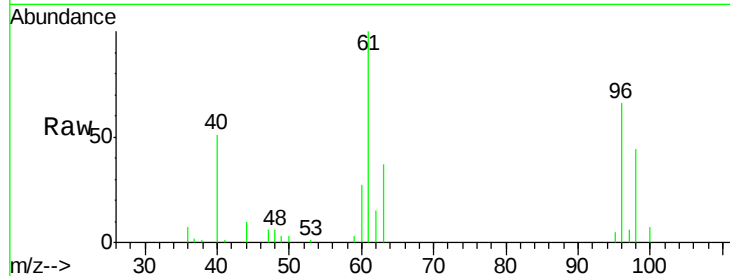
ClientSampled :

C0X74

Tot Ion:	96	Resp:	12563
Ion	Ratio	Lower	Upper
96	100		
61	151.6	114.5	212.7
98	67.3	45.4	84.2

Manual Integrations
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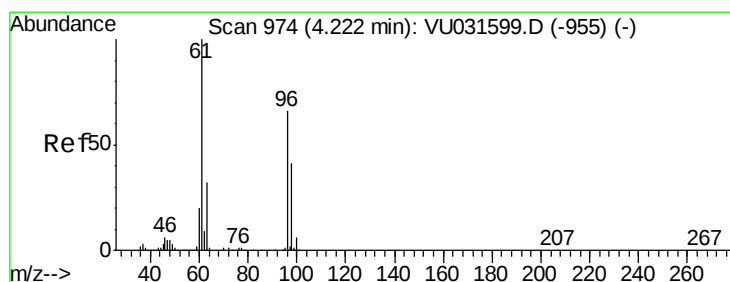
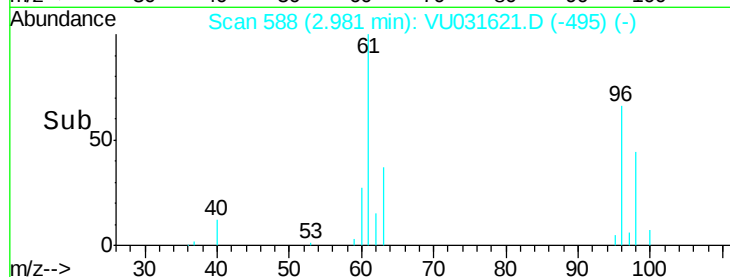
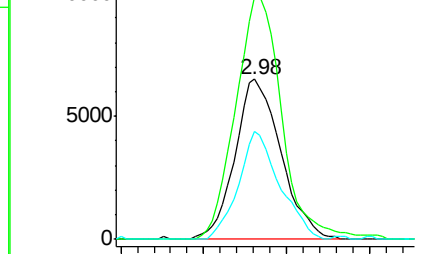
MMDadoda
4/30/2019 11:45:04 AM



Abundance Ion 96.00 (95.70 to 96.70): VU031599.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031599.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031599.D (-573) (-)



#20

cis-1,2-Dichloroethene

Concen: 18.382 ug/L

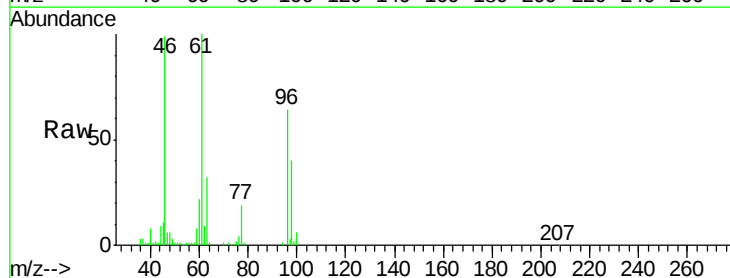
RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031621.D

Acq: 30 Apr 2019 05:28

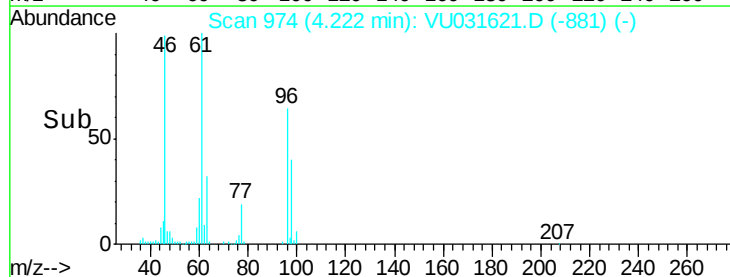
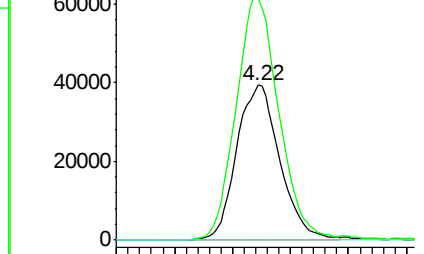
Tgt Ion:	96	Resp:	101604
Ion	Ratio	Lower	Upper
96	100		
61	155.4	99.5	184.7
68	0.0	0.0	0.0

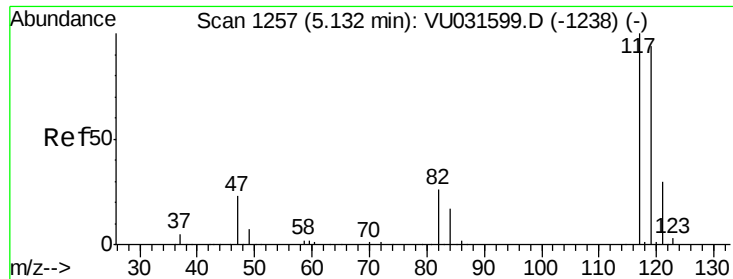


Abundance Ion 96.00 (95.70 to 96.70): VU031599.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU031599.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU031599.D (-955) (-)





#31

Carbon tetrachloride

Concen: 1.225 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031621.D

Acq: 30 Apr 2019 05:28

Instrument :

MSVOA_U

ClientSampleId :

C0X74

Tot Ion:117 Resp: 9349

Ion Ratio Lower Upper

117 100

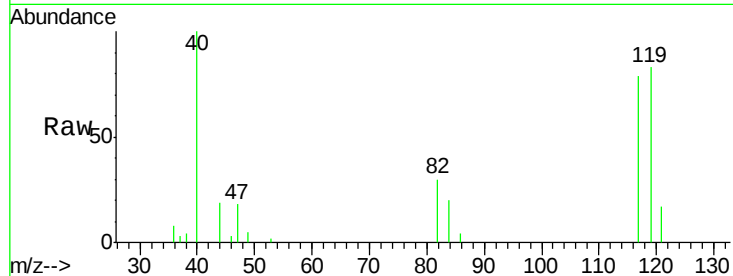
119 95.5 76.6 114.8

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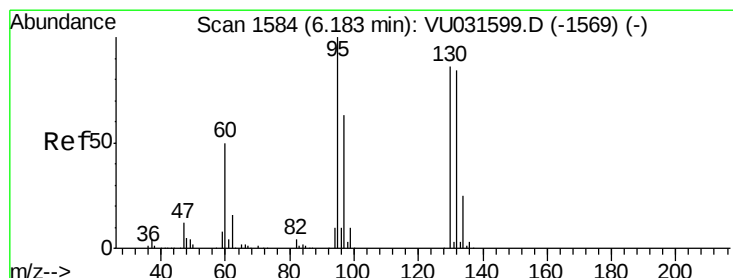
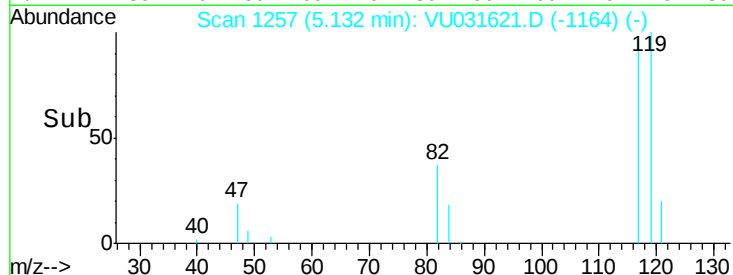
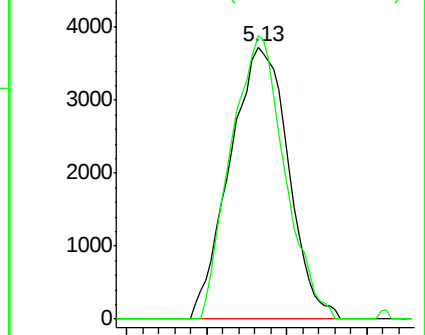
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 5687.914 ug/L m

RT: 6.17 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VU031621.D

Acq: 30 Apr 2019 05:28

Tgt Ion: 95 Resp:32295897

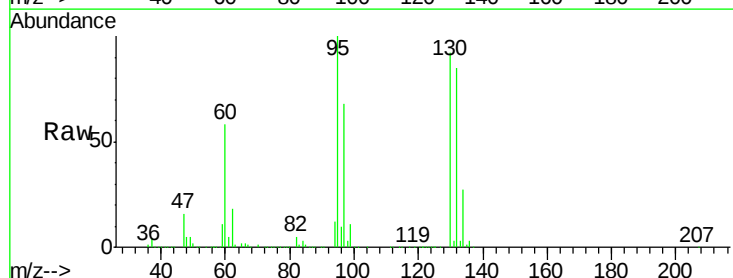
Ion Ratio Lower Upper

95 100

97 68.3 44.8 83.2

132 85.3 63.1 117.1

130 92.1 66.5 123.5

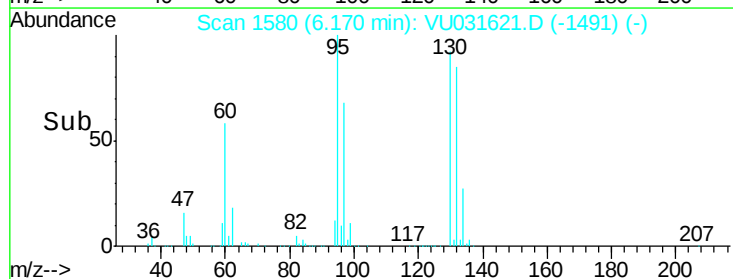
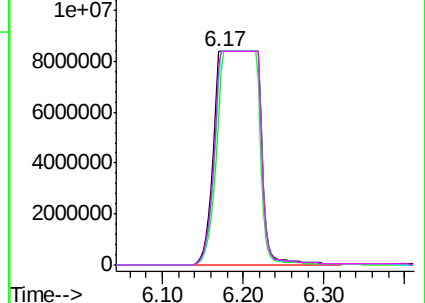


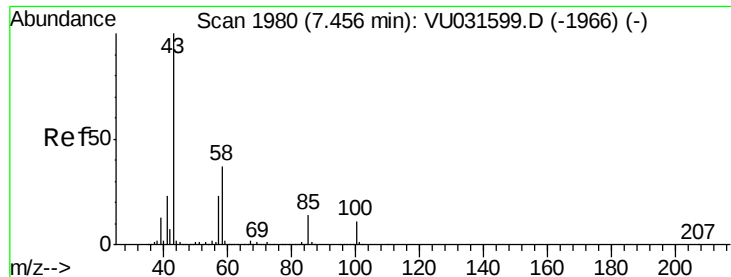
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





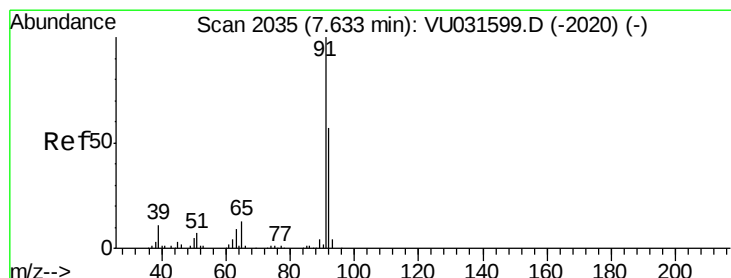
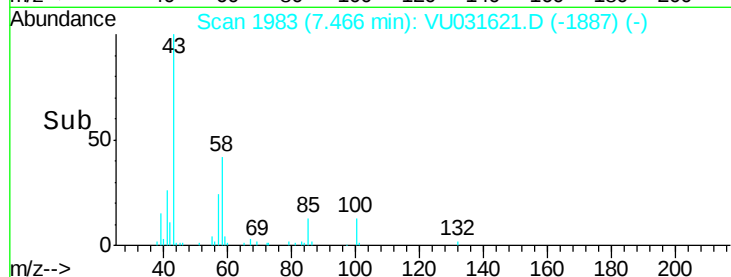
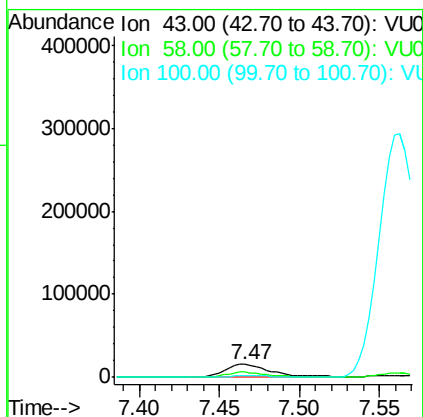
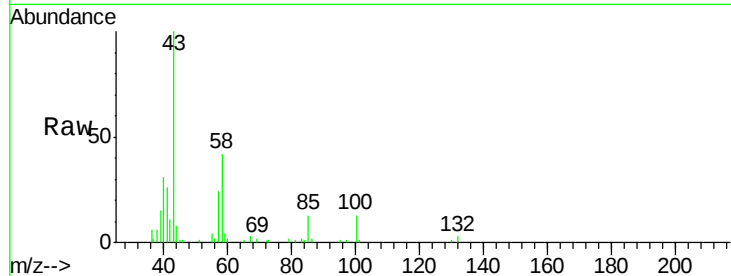
#40
4-Methyl-2-pentanone
Concen: 3.071 ug/L
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU031621.D
Acq: 30 Apr 2019 05:28

Instrument :
MSVOA_U
ClientSampleId :
C0X74

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.1	45.1
100	11.5	9.6	14.4

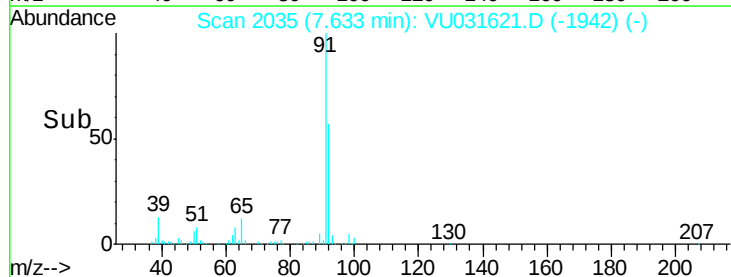
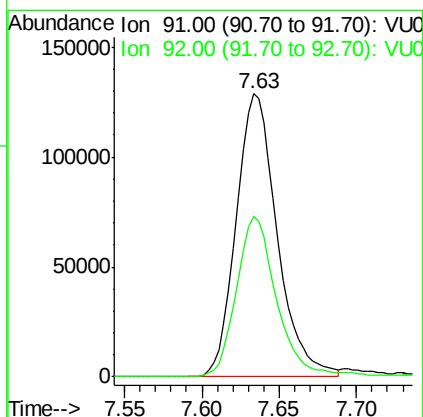
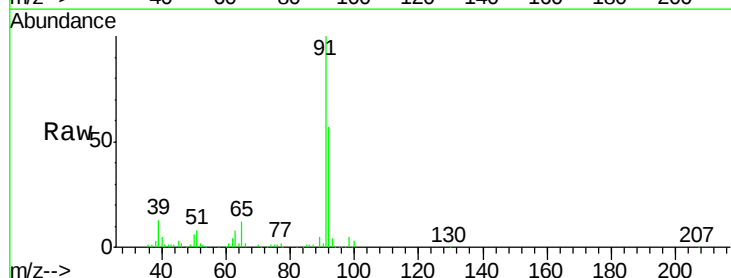
Manual Integrations
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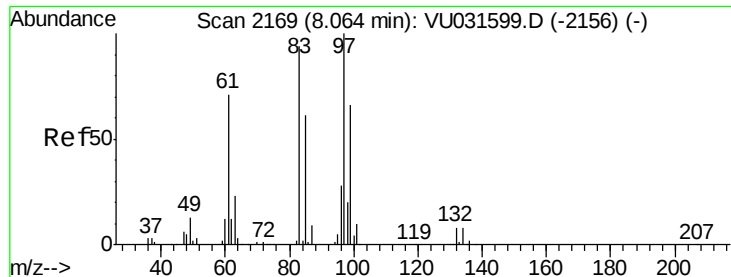
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4/30/2019 11:45:04 AM



#42
Toluene
Concen: 10.174 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU031621.D
Acq: 30 Apr 2019 05:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.6	39.0	72.4





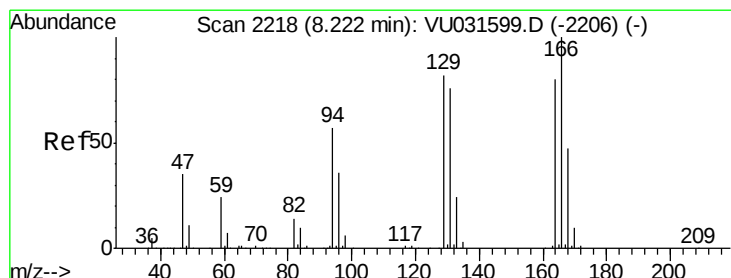
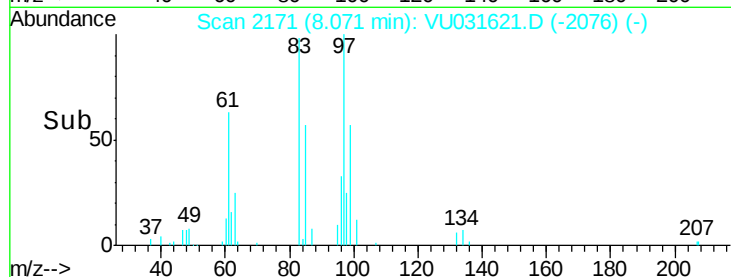
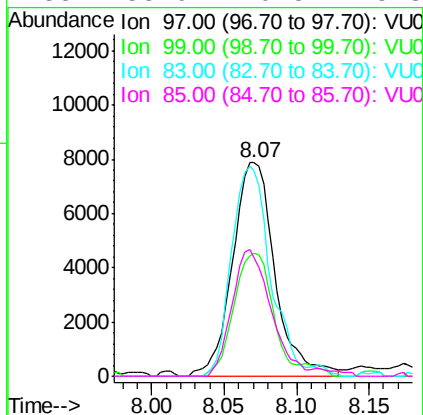
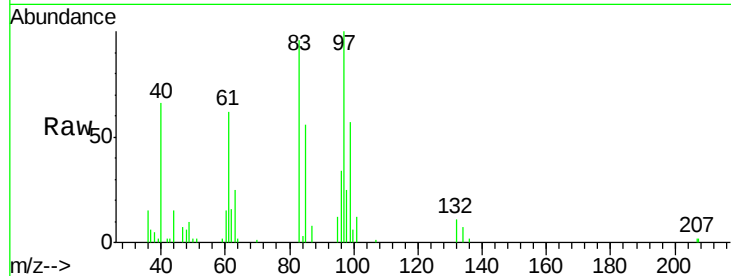
#45
1,1,2-Trichloroethane
Concen: 2.919 ug/L
RT: 8.07 min Scan# 2171
Delta R.T. 0.01 min
Lab File: VU031621.D
Acq: 30 Apr 2019 05:28

Instrument :
MSVOA_U
ClientSampleId :
C0X74

Tot Ion	97	Resp	16004
Ion	Ratio	Lower	Upper
97	100		
99	57.5	43.0	80.0
83	96.4	63.6	118.2
85	55.9	40.5	75.3

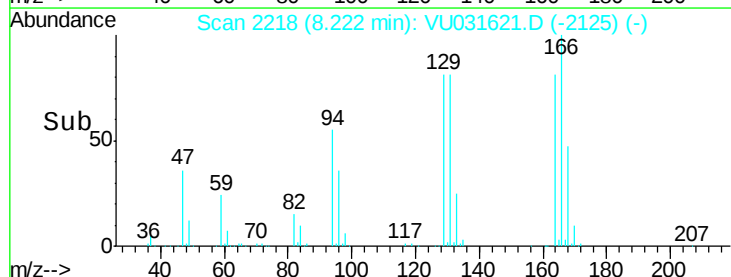
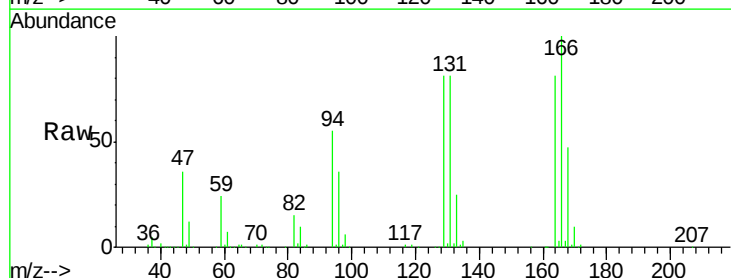
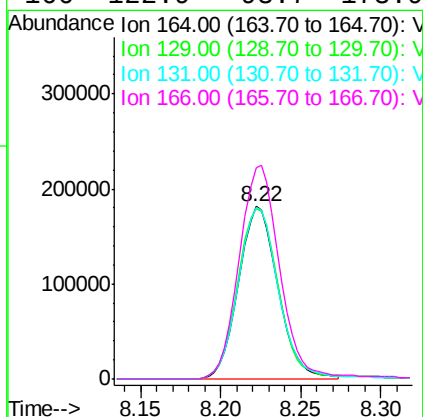
Manual Integrations
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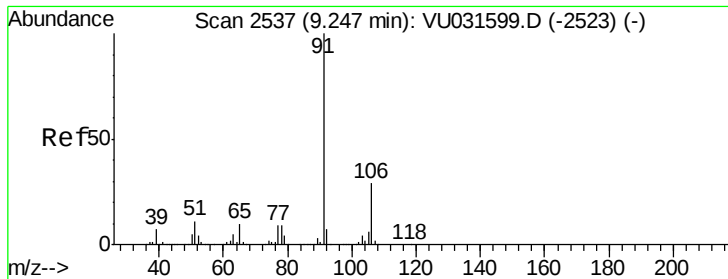
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4/30/2019 11:45:04 AM



#46
Tetrachloroethene
Concen: 79.106 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031621.D
Acq: 30 Apr 2019 05:28

Tgt Ion	164	Resp	306211
Ion	Ratio	Lower	Upper
164	100		
129	99.1	71.5	132.9
131	99.3	69.0	128.2
166	122.9	93.7	173.9





#52

Ethylbenzene

Concen: 0.467 ug/L

RT: 9.26 min Scan# 2540

Delta R.T. 0.01 min

Lab File: VU031621.D

Acq: 30 Apr 2019 05:28

Instrument :

MSVOA_U

ClientSampleId :

C0X74

Tot Ion: 91 Resp: 11303

Ion Ratio Lower Upper

91 100

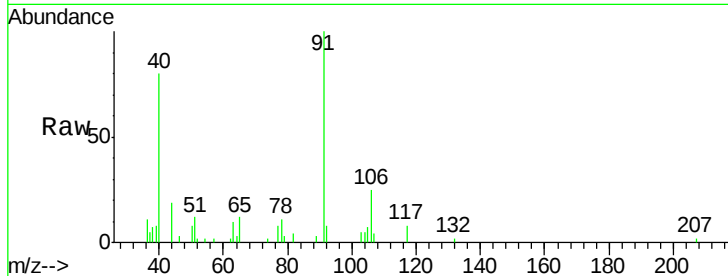
106 25.2 20.4 37.8

Manual Integrations

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4/30/2019 11:45:04 AM



Abundance Ion 91.00 (90.70 to 91.70): VU031599.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU031599.D (-2523) (-)

9.26

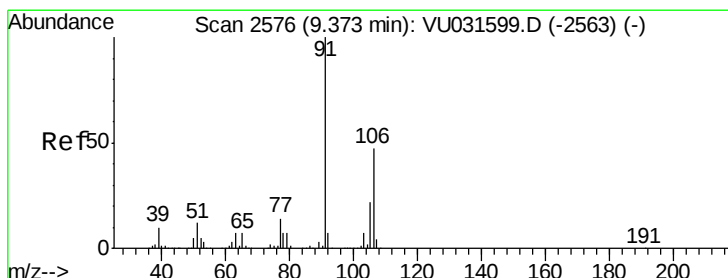
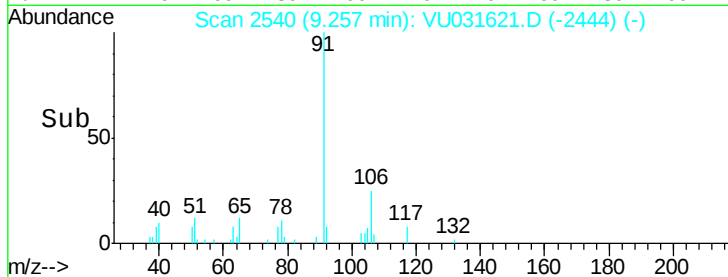
6000

4000

2000

0

Time-->



#53

m,p-Xylene

Concen: 2.013 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU031621.D

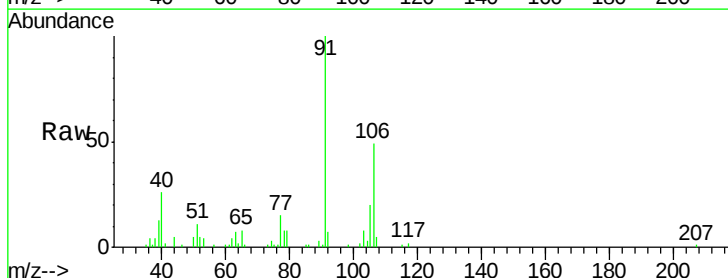
Acq: 30 Apr 2019 05:28

Tgt Ion: 106 Resp: 16979

Ion Ratio Lower Upper

106 100

91 202.5 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): VU031599.D (-2563) (-)

Ion 91.00 (90.70 to 91.70): VU031599.D (-2563) (-)

9.38

20000

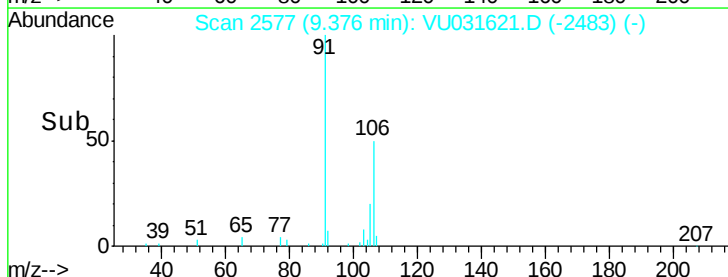
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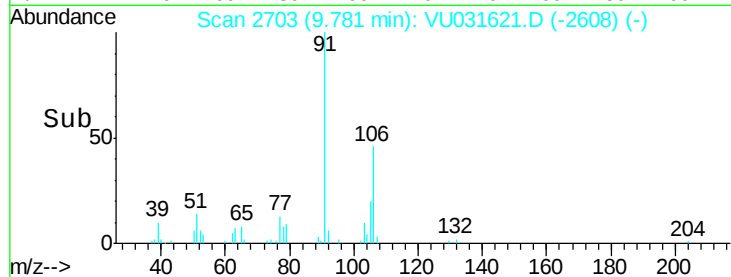
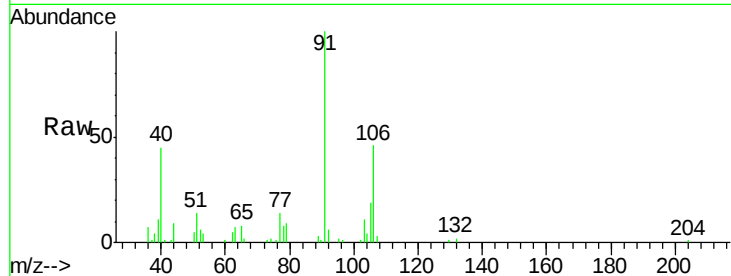
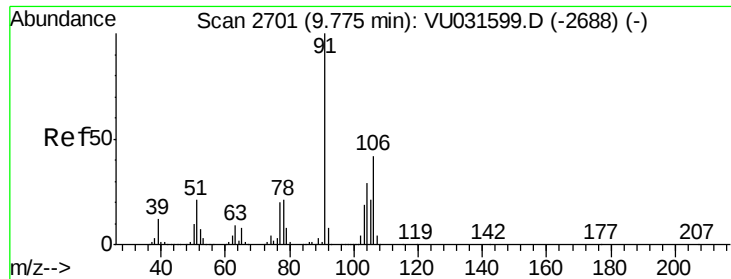
10000

5000

0

Time-->





#54
o-xylene
Concen: 0.989 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU031621.D
Acq: 30 Apr 2019 05:28

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.2	163.2	303.2

Instrument :
MSVOA_U
ClientSampleId :
C0X74

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:45:04 AM

