

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031561.D
 Acq On : 27 Apr 2019 03:22
 Operator : JC/SP
 Sample : K2592-14 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X77

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 10:20:40 AM

Quant Time: Apr 27 04:35:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 03:26:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	873653	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	807993	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	311411	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	373398	51.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.14%
7) Chloroethane-d5	1.68	69	290796	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.92%
11) 1,1-Dichloroethene-d2	2.27	63	533628	36.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.30%
21) 2-Butanone-d5	4.18	46	699676	105.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.61%
24) Chloroform-d	4.64	84	625845	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	5.31	65	418527	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.68%
32) Benzene-d6	5.34	84	1280808	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.24%
36) 1,2-Dichloropropane-d6	6.32	67	449797	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.06%
41) Toluene-d8	7.56	98	1096056	50.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.44%
43) trans-1,3-Dichloropropene-	7.85	79	180331	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.26%
47) 2-Hexanone-d5	8.31	63	440771	116.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	569529	48.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	349907	53.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	486720	39.289	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	10534	1.383	ug/L	98
31) Carbon tetrachloride	5.13	117	15007	1.551	ug/L	90
34) Trichloroethene	6.17	95	20479662m	2844.006	ug/L	
42) Toluene	7.64	91	38938	1.316	ug/L	99
46) Tetrachloroethene	8.22	164	512502	104.397	ug/L	97
53) m,p-Xylene	9.37	106	13420	1.255	ug/L	89
54) o-xylene	9.78	106	9229	0.870	ug/L	94

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

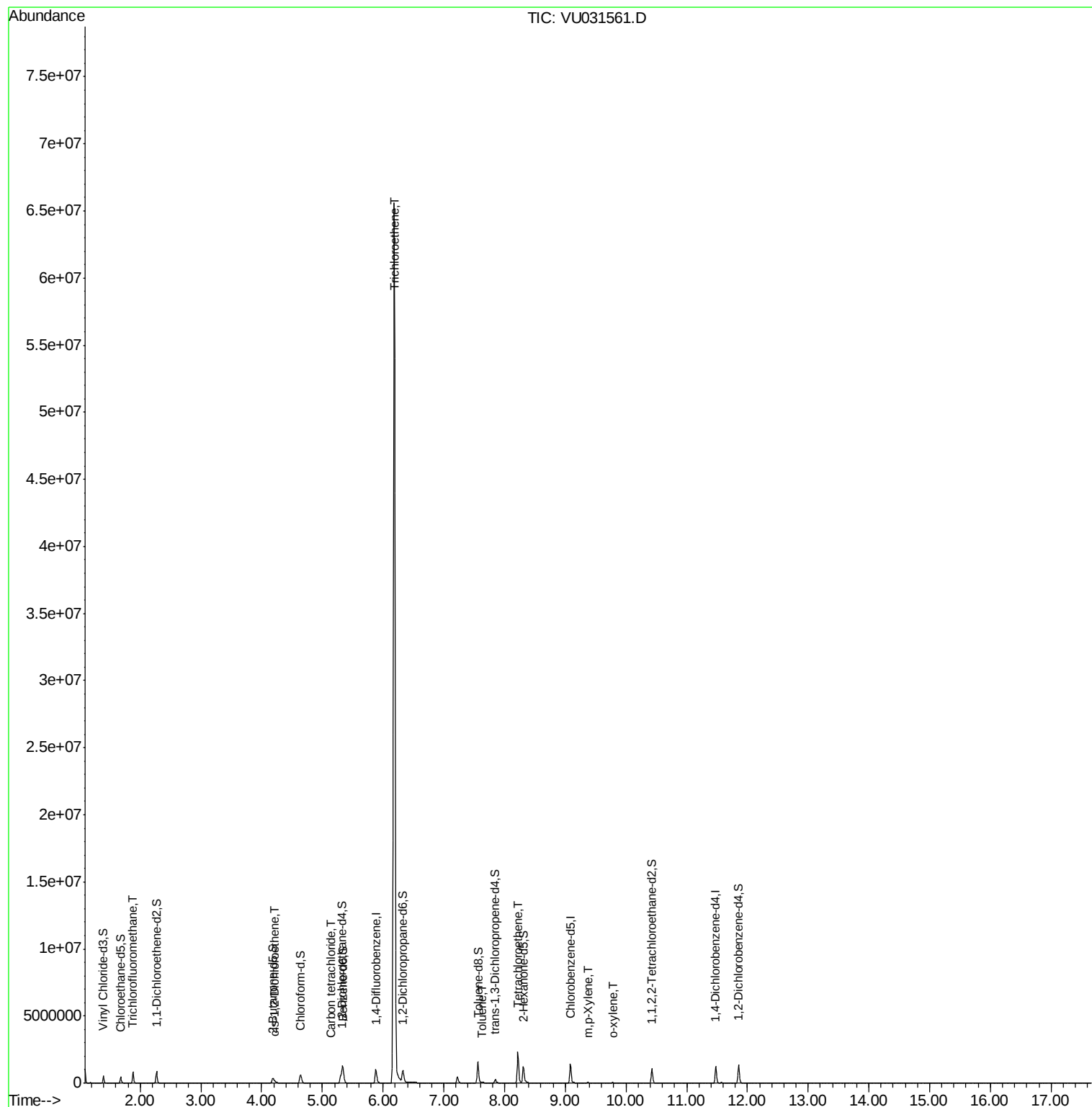
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
Data File : VU031561.D
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Operator : JC/SP
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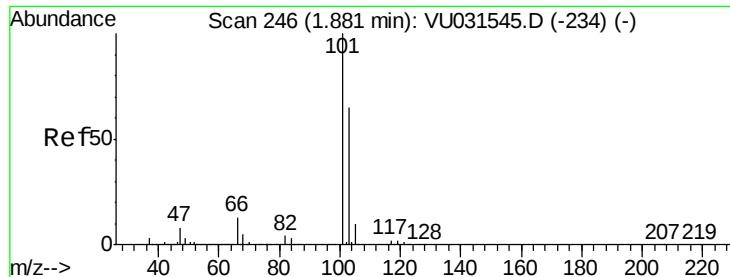
Instrument :
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#9

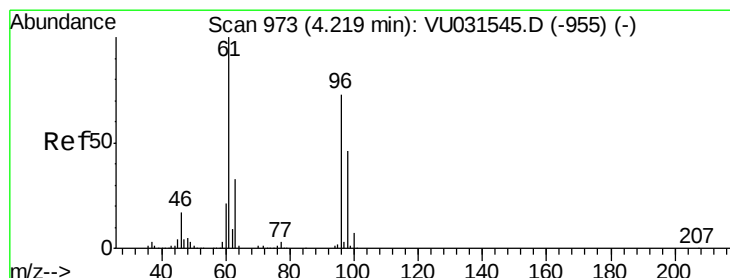
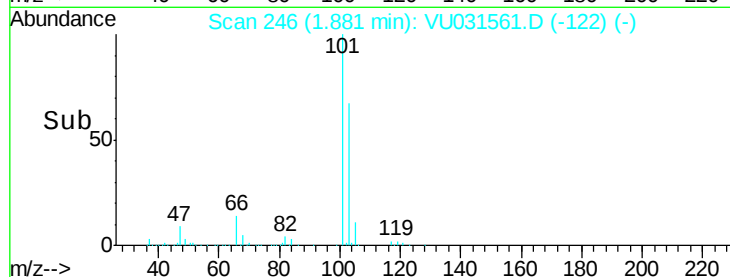
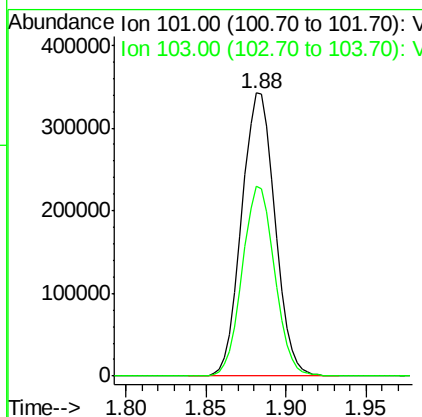
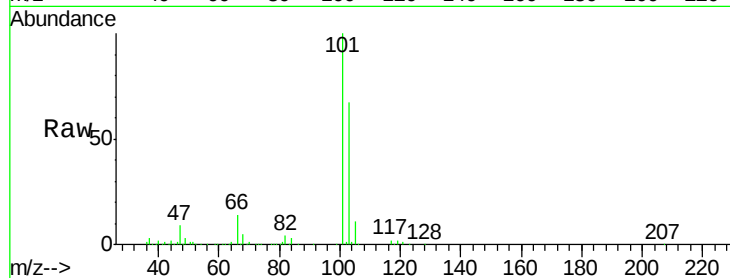
Trichlorofluoromethane
Concen: 39.289 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU031561.D
Acq: 27 Apr 2019 03:22

Instrument :
MSVOA_U
ClientSampleId :
C0X77

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.8	76.2

Manual Integrations
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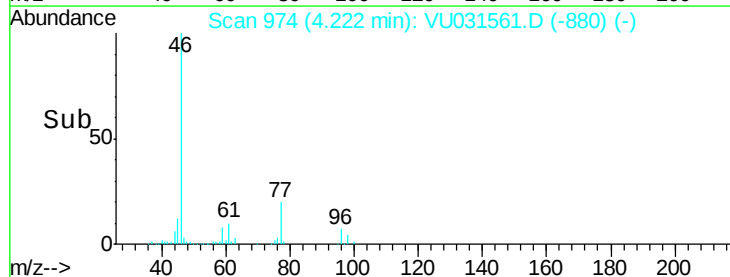
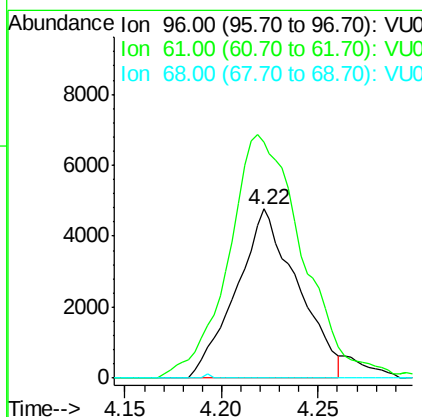
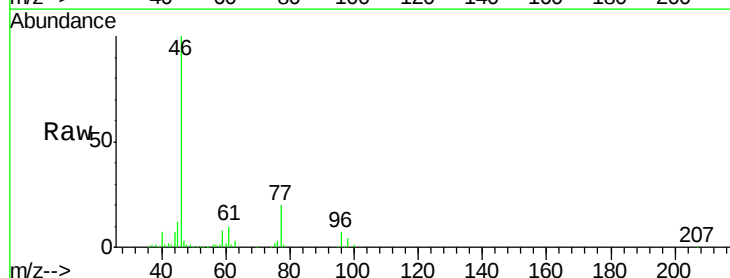
MMDadoda
4/29/2019 10:20:40 AM

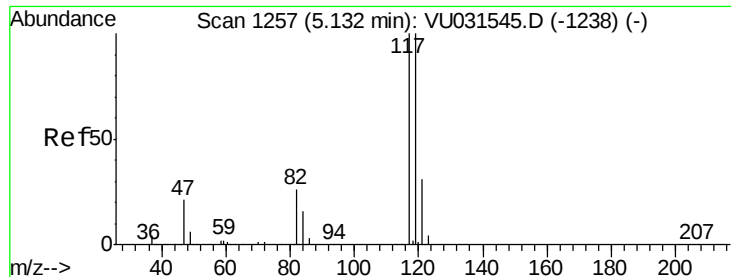


#20

cis-1,2-Dichloroethene
Concen: 1.383 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU031561.D
Acq: 27 Apr 2019 03:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.5	99.5	184.7
68	0.0	0.0	0.0





#31

Carbon tetrachloride

Concen: 1.551 ug/L

RT: 5.13 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

Instrument :

MSVOA_U

ClientSampleId :

C0X77

Tot Ion:117 Resp: 15007

Ion Ratio Lower Upper

117 100

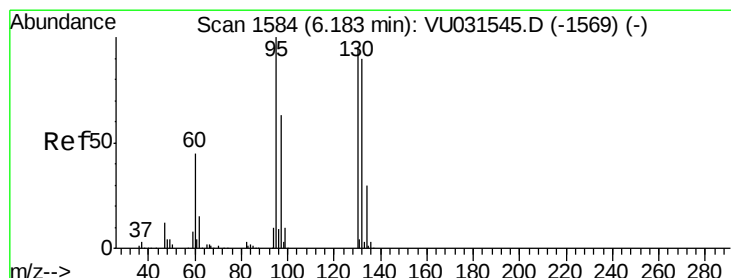
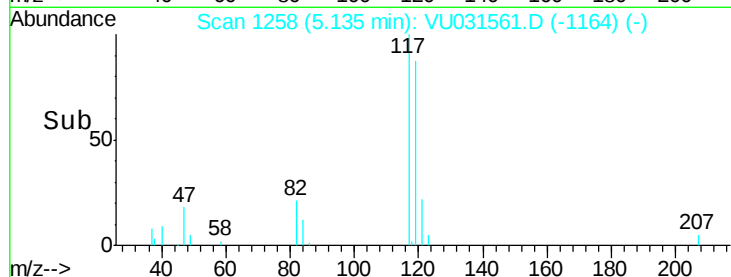
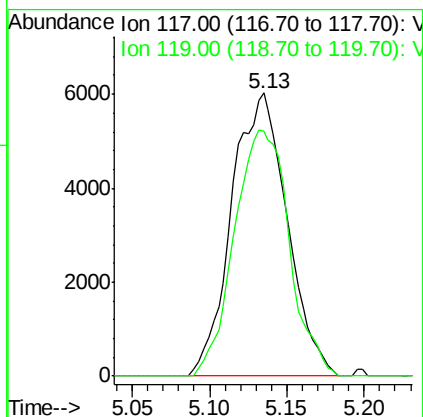
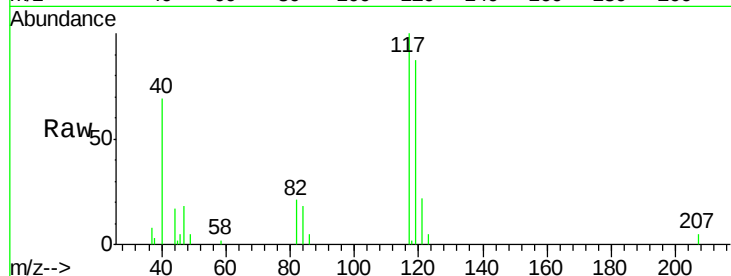
119 85.9 76.6 114.8

Manual Integrations

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#34

Trichloroethene

Concen: 2844.006 ug/L m

RT: 6.17 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

Tgt Ion: 95 Resp:20479662

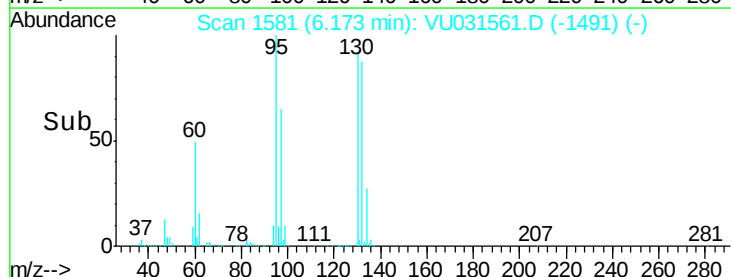
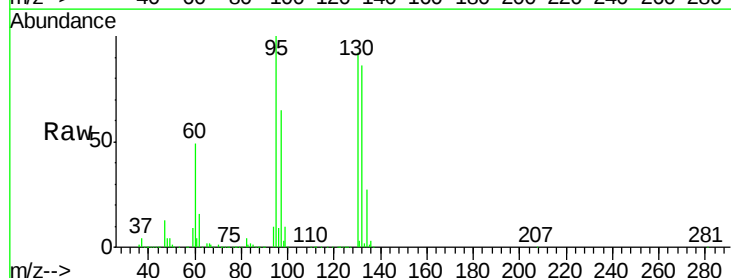
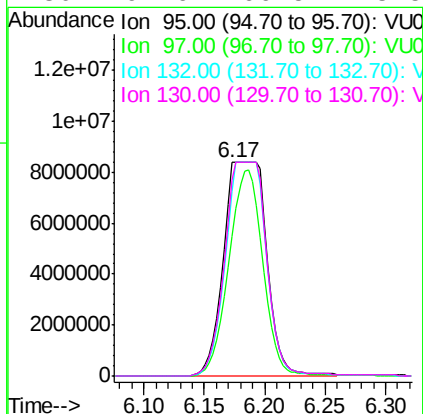
Ion Ratio Lower Upper

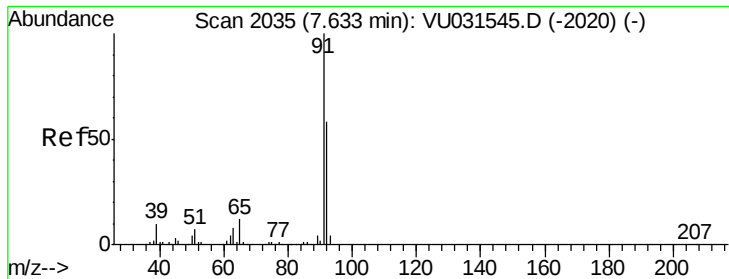
95 100

97 65.1 44.8 83.2

132 86.4 63.1 117.1

130 91.6 66.5 123.5





#42

Toluene

Concen: 1.316 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

Instrument :

MSVOA_U

ClientSampleId :

C0X77

Tot Ion: 91 Resp: 38938

Ion Ratio Lower Upper

91 100

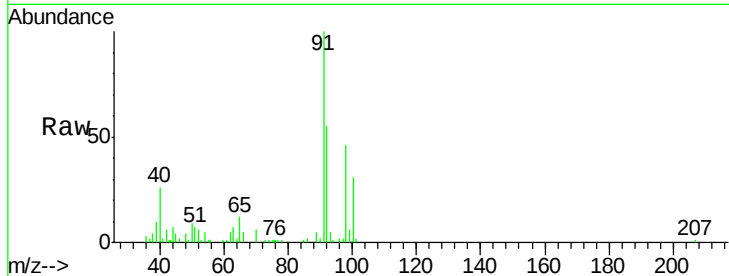
92 55.3 39.0 72.4

Manual Integrations

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4/29/2019 10:20:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VU031545.D (-2020) (-)

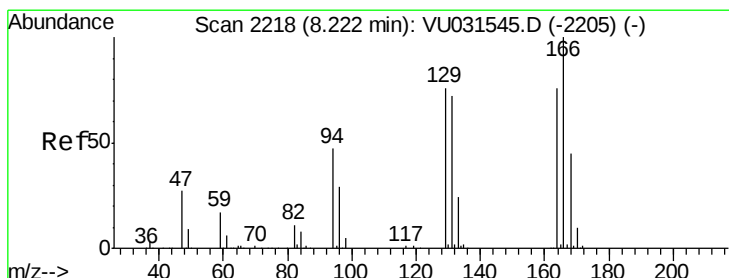
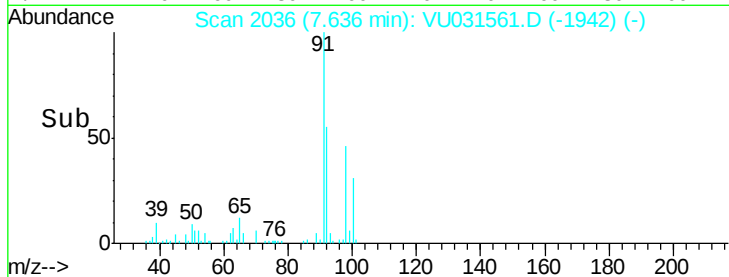
Ion 92.00 (91.70 to 92.70): VU031545.D (-2020) (-)

7.64

7.65

7.70

Time-->



#46

Tetrachloroethene

Concen: 104.397 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

Tgt Ion:164 Resp: 512502

Ion Ratio Lower Upper

164 100

129 101.5 71.5 132.9

131 96.0 69.0 128.2

166 127.8 93.7 173.9

Abundance Ion 164.00 (163.70 to 164.70): VU031545.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU031545.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU031545.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031545.D (-2205) (-)

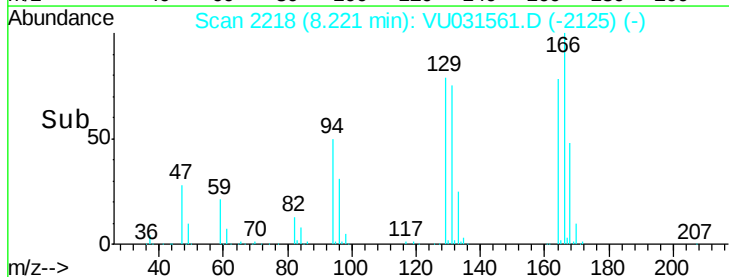
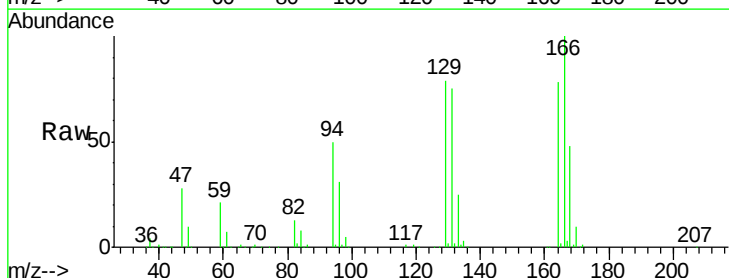
8.22

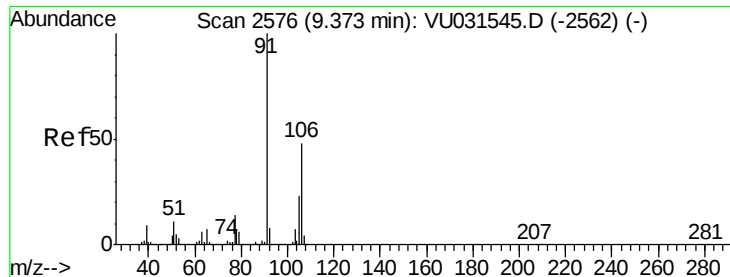
8.25

8.30

8.35

Time-->





#53

m,p-Xylene

Concen: 1.255 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

Instrument :

MSVOA_U

ClientSampleId :

C0X77

Tot Ion:106 Resp: 13420

Ion Ratio Lower Upper

106 100

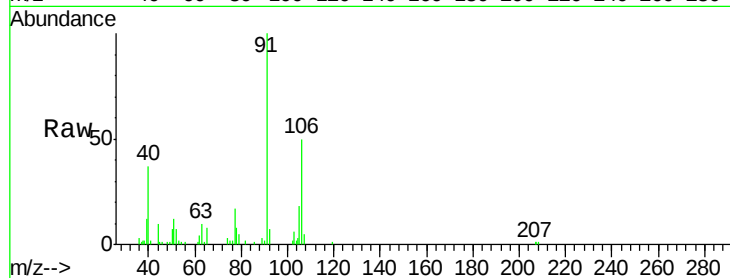
91 199.5 152.2 282.6

Manual Integrations

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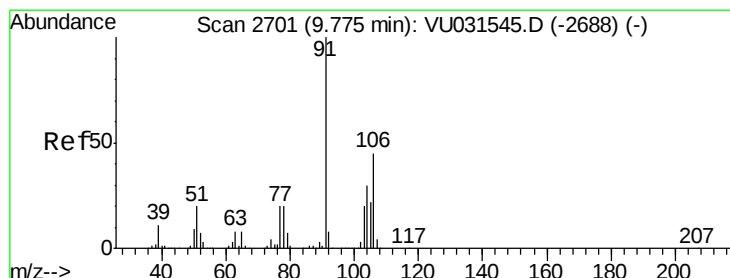
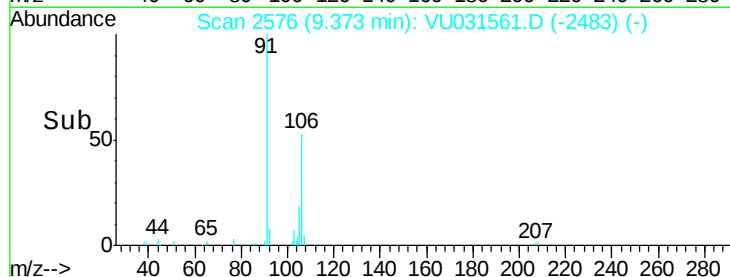
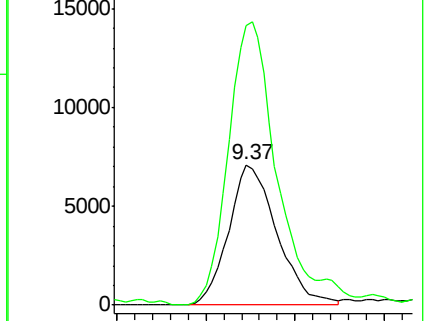
MMDadoda

4/29/2019 10:20:40 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 0.870 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU031561.D

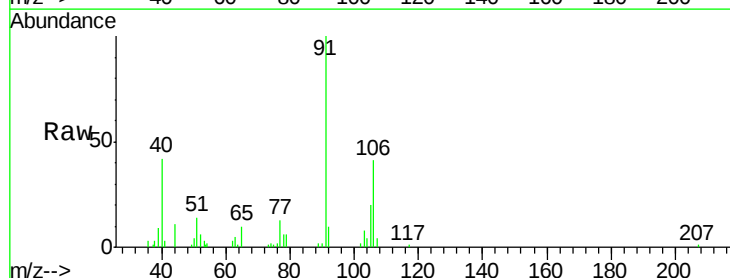
Acq: 27 Apr 2019 03:22

Tgt Ion:106 Resp: 9229

Ion Ratio Lower Upper

106 100

91 243.2 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

