

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032298.D
 Acq On : 24 May 2019 09:04
 Operator : JC/SP
 Sample : K3018-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XJ2

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 11:16:34 AM

Quant Time: May 24 10:05:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 07:24:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	786076	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	782284	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	338569	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	234988	57.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.38%
7) Chloroethane-d5	1.67	69	210201	53.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.27	63	338788m	41.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.14%
21) 2-Butanone-d5	4.17	46	357630	91.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.23%
24) Chloroform-d	4.64	84	478010	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
26) 1,2-Dichloroethane-d4	5.30	65	296648	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.18%
32) Benzene-d6	5.33	84	993057	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
36) 1,2-Dichloropropane-d6	6.32	67	304019	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.90%
41) Toluene-d8	7.56	98	899867	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%
43) trans-1,3-Dichloropropene-	7.85	79	134818	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
47) 2-Hexanone-d5	8.31	63	235596	88.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	458869	43.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	351827	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

					Ovalue
9) Trichlorofluoromethane	1.88	101	83942	11.798	ug/L 100
13) Acetone	2.32	43	4289	1.357	ug/L 88
20) cis-1,2-Dichloroethene	4.22	96	5911	0.922	ug/L 95
34) Trichloroethene	6.18	95	176087	31.815	ug/L 97
42) Toluene	7.64	91	46289	1.965	ug/L 99
46) Tetrachloroethene	8.22	164	193577	46.562	ug/L 98

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

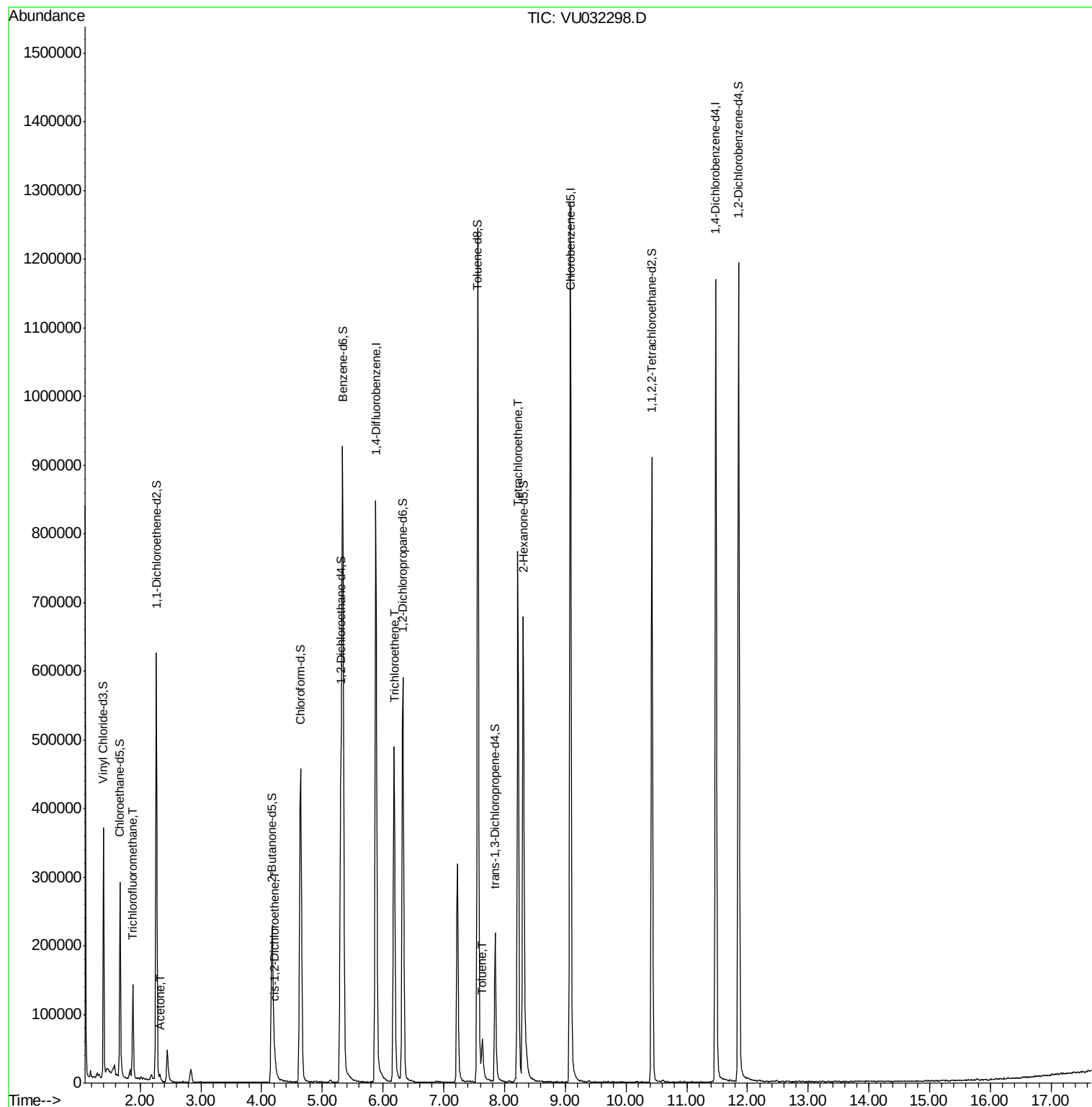
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052419\
Data File : VU032298.D
Acq On : 24 May 2019 09:04
Operator : JC/SP
Sample : K3018-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 53 Sample Multiplier: 1

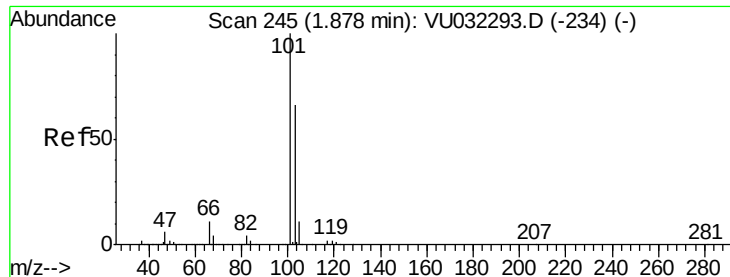
Instrument :
MSVOA_U
ClientSampleId :
C0XJ2

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
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QLast Update : Fri May 24 07:24:18 2019
Response via : Initial Calibration





#9

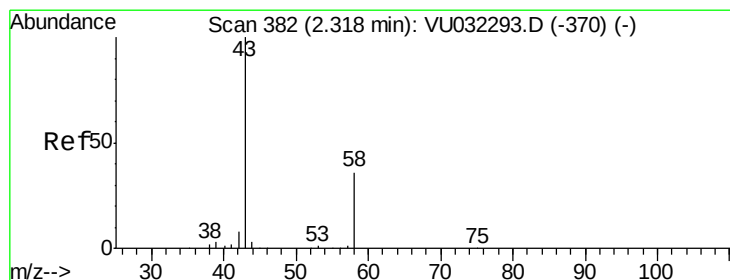
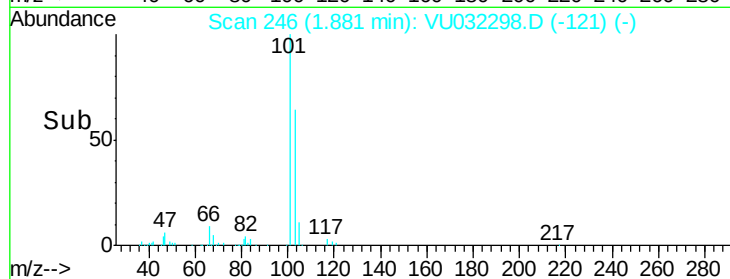
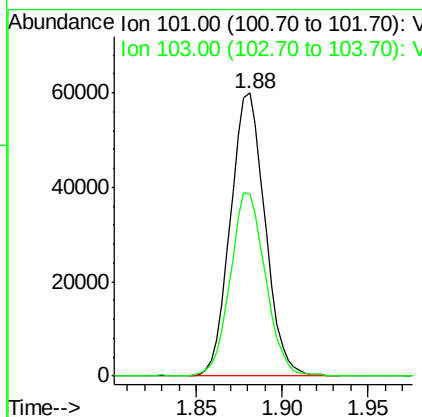
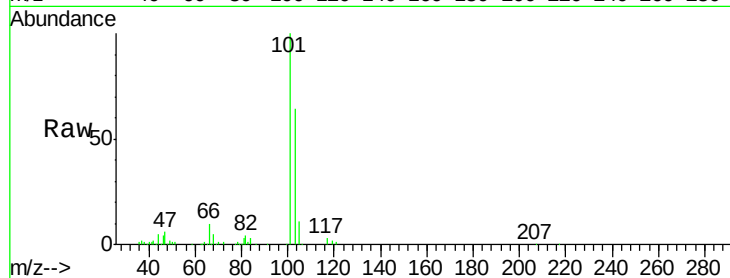
Trichlorofluoromethane
 Concen: 11.798 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU032298.D
 Acq: 24 May 2019 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XJ2

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.6	79.0

Manual Integrations
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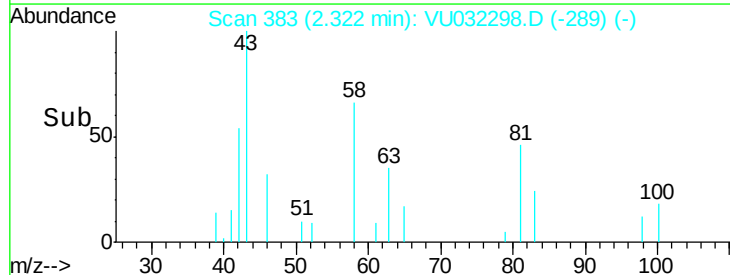
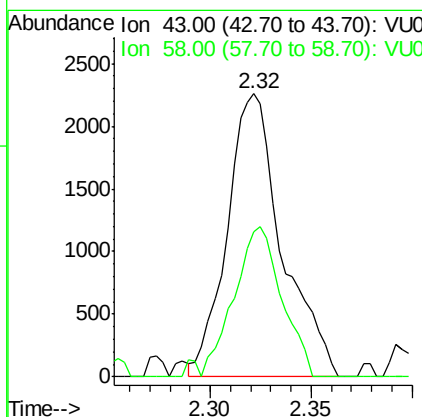
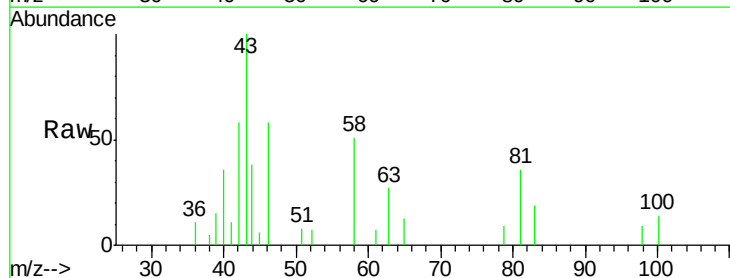
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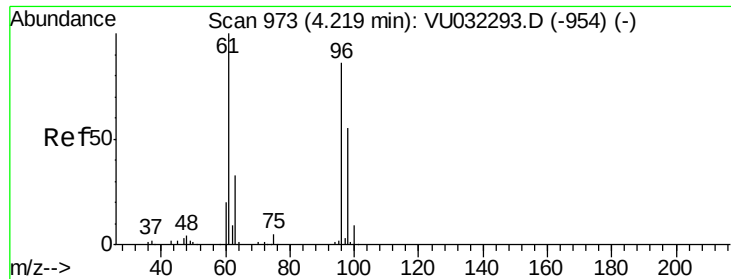


#13

Acetone
 Concen: 1.357 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU032298.D
 Acq: 24 May 2019 09:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.2	0.0	77.2





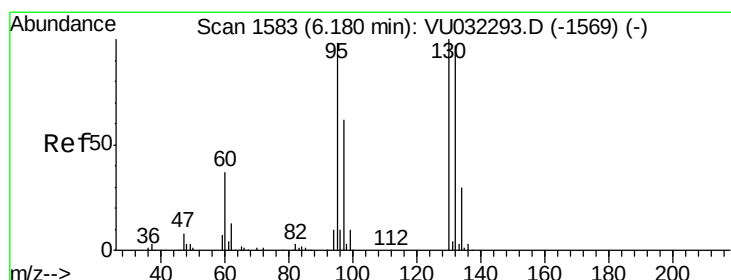
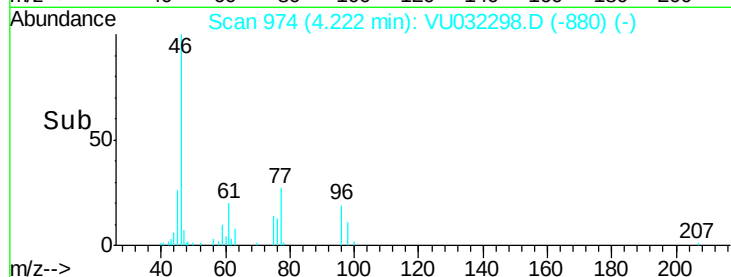
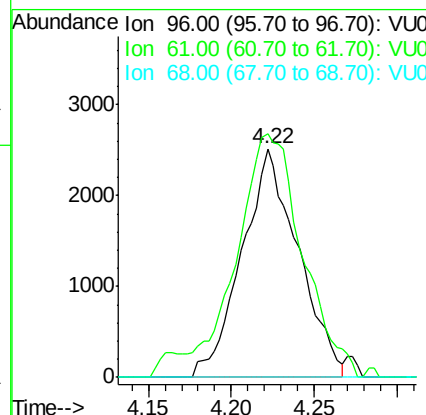
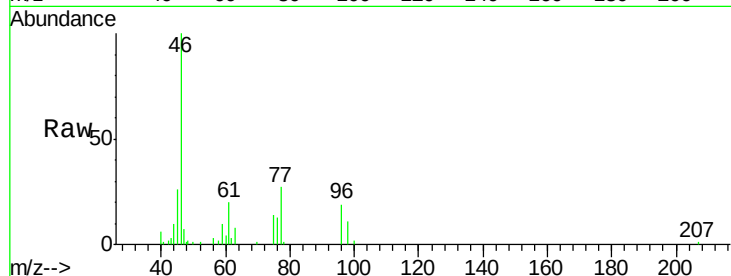
#20
 cis-1,2-Dichloroethene
 Concen: 0.922 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU032298.D
 Acq: 24 May 2019 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XJ2

Tot Ion	Ratio	Lower	Upper
96	100		
61	106.6	78.5	145.9
68	0.0	0.0	0.0

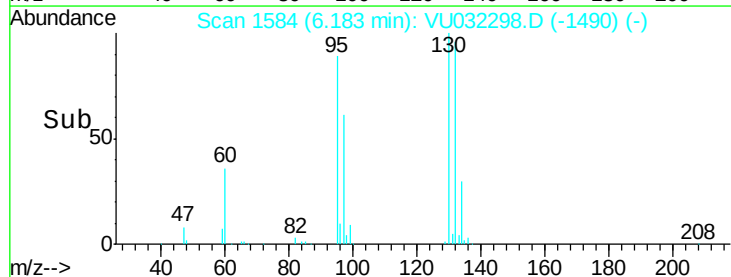
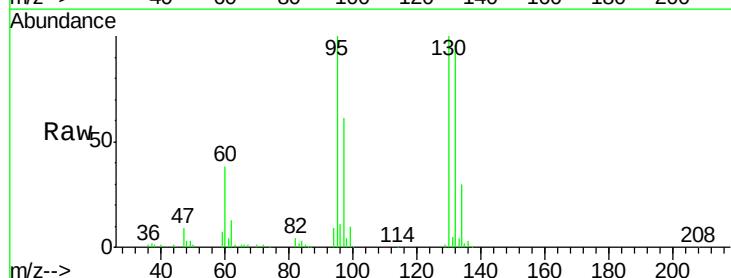
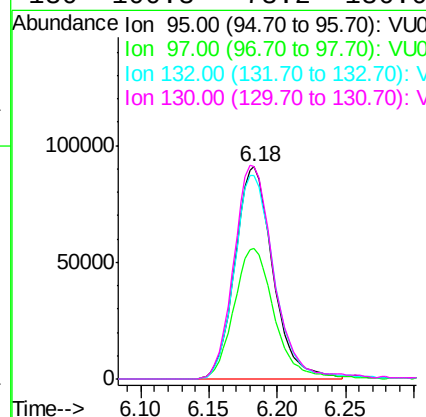
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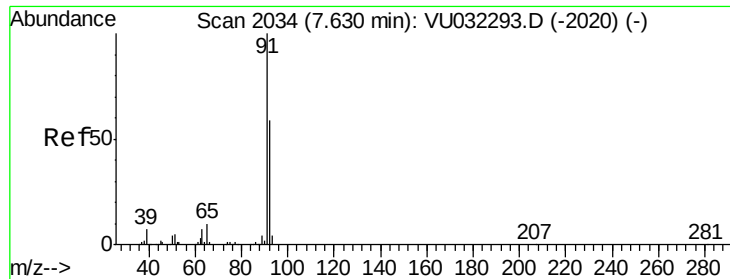
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 5/28/2019 11:16:34 AM



#34
 Trichloroethene
 Concen: 31.815 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU032298.D
 Acq: 24 May 2019 09:04

Tgt Ion	Ratio	Lower	Upper
95	100		
97	61.6	45.3	84.1
132	95.9	68.0	126.2
130	100.3	73.2	136.0





#42

Toluene

Concen: 1.965 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU032298.D

Acq: 24 May 2019 09:04

Instrument :

MSVOA_U

ClientSampled :

C0XJ2

Tot Ion: 91 Resp: 46289

Ion Ratio Lower Upper

91 100

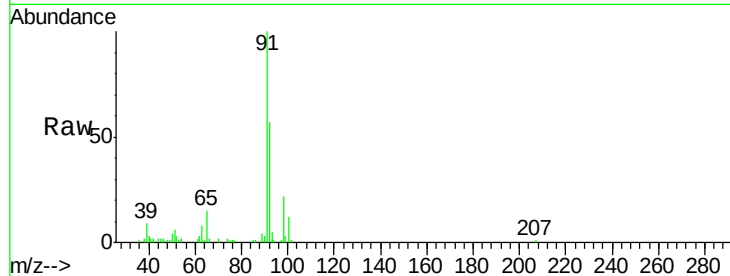
92 56.8 40.3 74.9

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU032298.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU032298.D (-1942) (-)

7.64

25000

20000

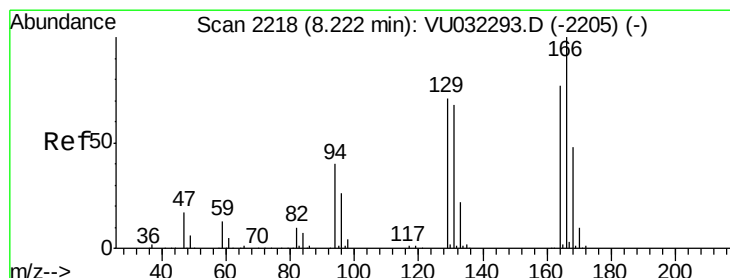
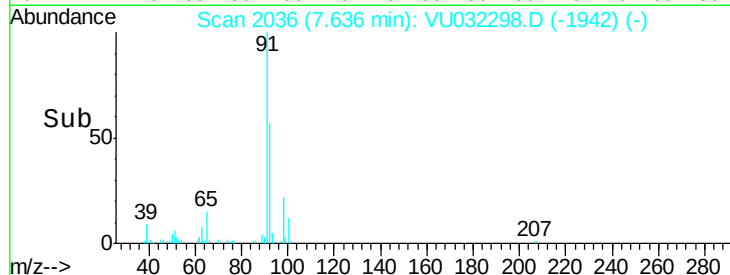
15000

10000

5000

0

Time-->



#46

Tetrachloroethene

Concen: 46.562 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032298.D

Acq: 24 May 2019 09:04

Tgt Ion: 164 Resp: 193577

Ion Ratio Lower Upper

164 100

129 91.8 66.2 123.0

131 88.9 61.9 114.9

166 128.2 91.8 170.4

Abundance Ion 164.00 (163.70 to 164.70): VU032298.D (-2126) (-)

Ion 129.00 (128.70 to 129.70): VU032298.D (-2126) (-)

Ion 131.00 (130.70 to 131.70): VU032298.D (-2126) (-)

Ion 166.00 (165.70 to 166.70): VU032298.D (-2126) (-)

200000

150000

100000

50000

0

Time-->

