

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122018\
 Data File : VU028823.D
 Acq On : 20 Dec 2018 14:42
 Operator : MD/SY
 Sample : J6468-15
 Misc : 6.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JH1

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 10:10:56 AM

Quant Time: Dec 21 13:58:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 03:50:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	228866	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	227248	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	118124	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67430	36.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.50%
7) Chloroethane-d5	1.64	69	39814m	28.09	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	56.18%#
11) 1,1-Dichloroethene-d2	2.23	63	86627	28.07	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.14%#
21) 2-Butanone-d5	4.19	46	112588	87.58	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.58%
24) Chloroform-d	4.64	84	112799	39.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.20%
26) 1,2-Dichloroethane-d4	5.30	65	72278	40.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.28%
32) Benzene-d6	5.33	84	250145	38.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.92%
36) 1,2-Dichloropropane-d6	6.32	67	86998	39.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.78%
41) Toluene-d8	7.56	98	232234	39.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.84%#
43) trans-1,3-Dichloropropene-	7.85	79	40239	41.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.34%
47) 2-Hexanone-d5	8.32	63	99887	96.43	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	135641	44.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	99873	41.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.60%

Target Compounds

					Qvalue
19) 1,1-Dichloroethane	3.43	63	13717	4.438 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	10751	5.970 ug/L	94
34) Trichloroethene	6.18	95	5550	3.178 ug/L #	86
42) Toluene	7.64	91	123604	16.854 ug/L	100
46) Tetrachloroethene	8.22	164	3602	2.678 ug/L	81
52) Ethylbenzene	9.25	91	2555448	324.286 ug/L	98
53) m,p-Xylene	9.38	106	3624270	1243.738 ug/L	97
54) o-xylene	9.78	106	1334166	456.814 ug/L	100
56) Isopropylbenzene	10.17	105	45159	6.095 ug/L	99

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

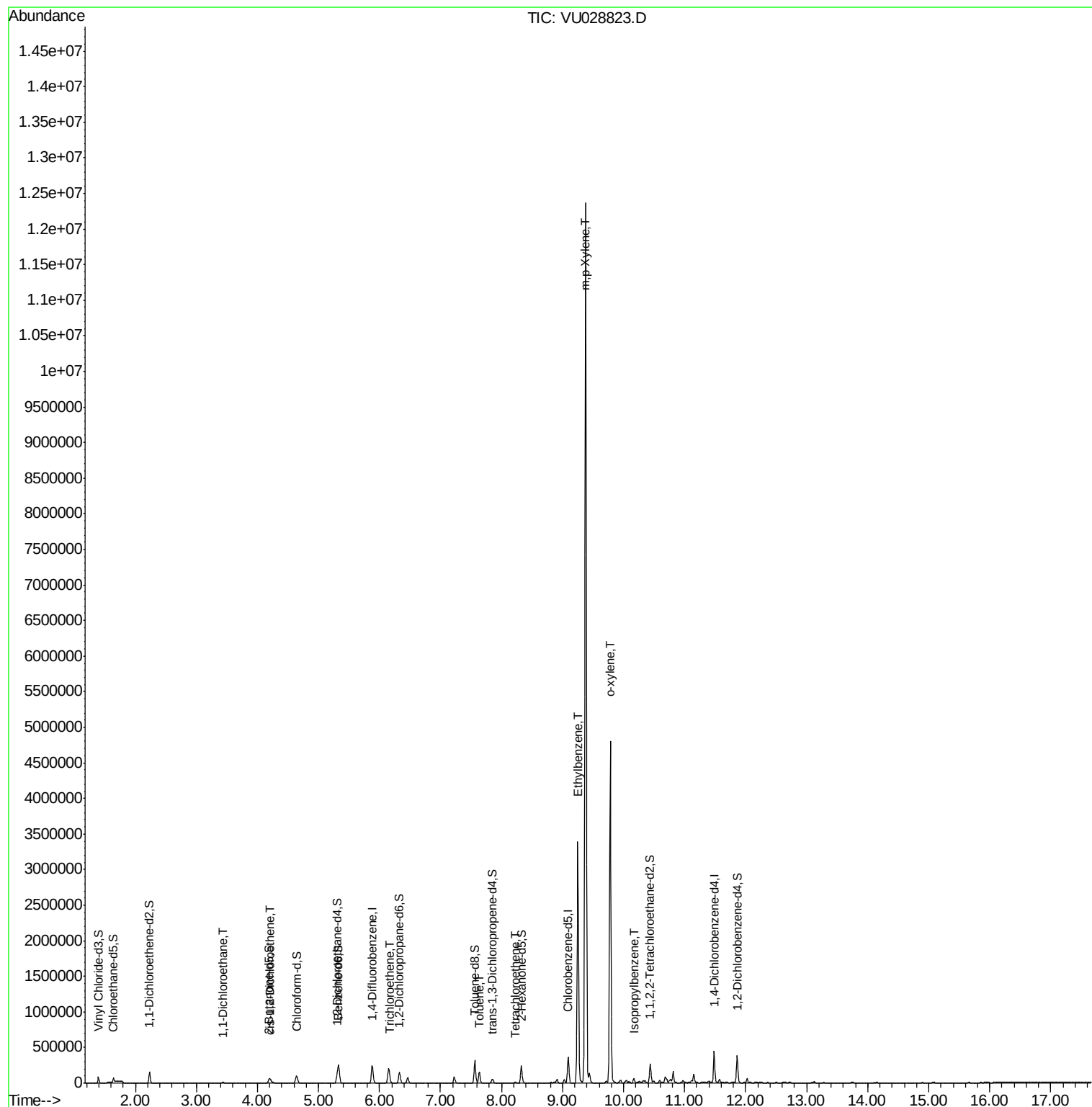
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Data File : VU028823.D
Acq On : 20 Dec 2018 14:42
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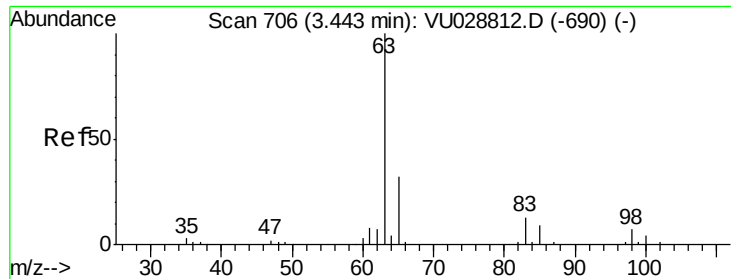
Instrument :
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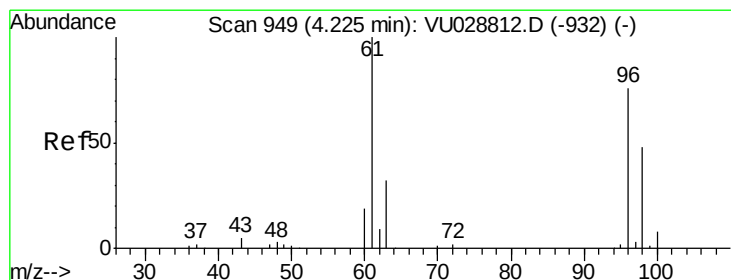
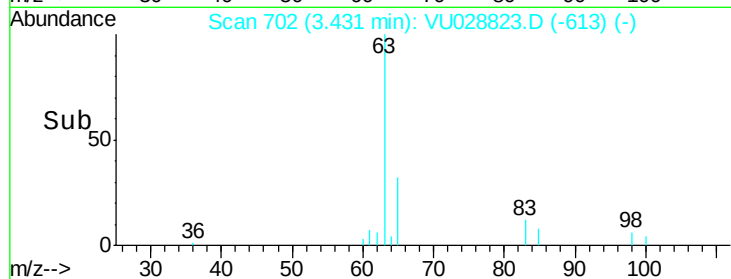
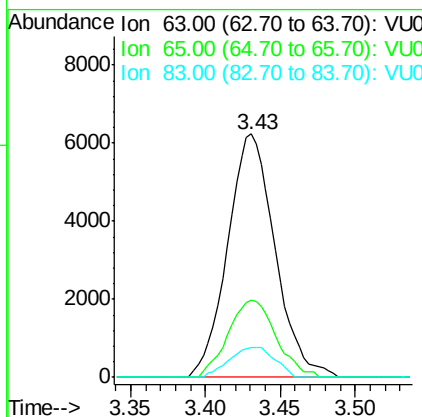
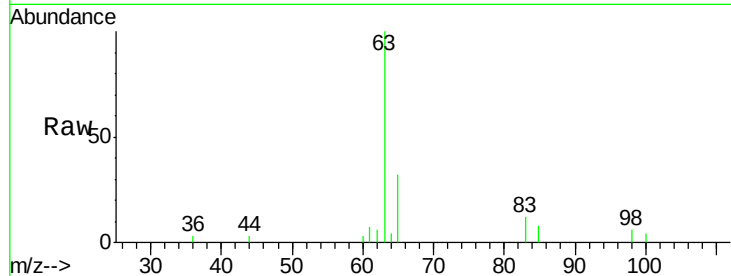
#19
 1,1-Dichloroethane
 Concen: 4.438 ug/L
 RT: 3.43 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VU028823.D
 Acq: 20 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JH1

Tgt Ion:	63	Resp:	13717
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.7	42.1
83	12.1	9.0	16.8

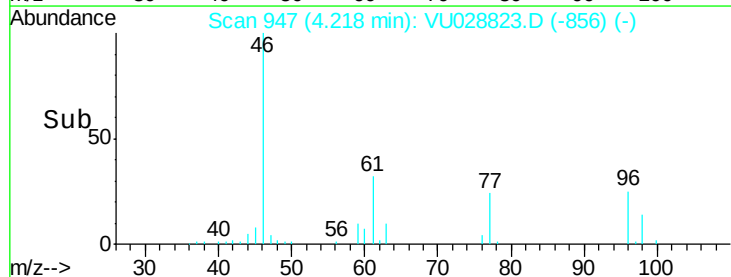
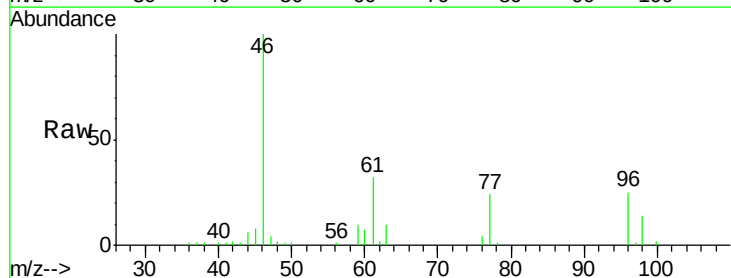
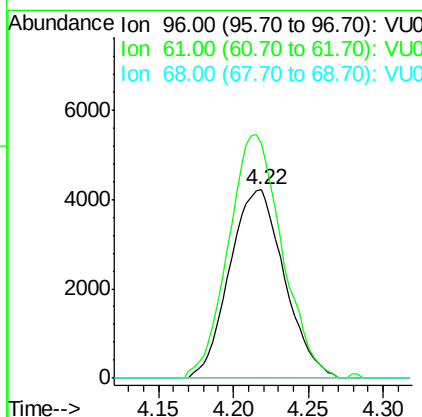
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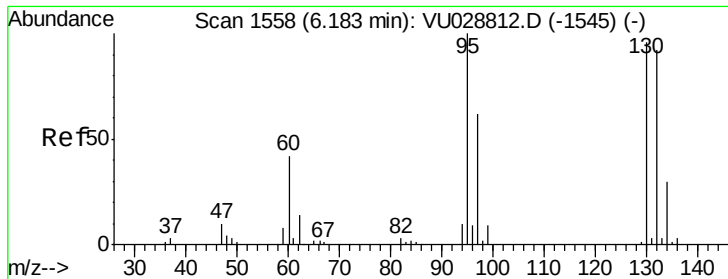
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#20
 cis-1,2-Dichloroethene
 Concen: 5.970 ug/L
 RT: 4.22 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: VU028823.D
 Acq: 20 Dec 2018 14:42

Tgt Ion:	96	Resp:	10751
Ion	Ratio	Lower	Upper
96	100		
61	125.0	92.1	171.1
68	0.0	0.0	0.0





#34

Trichloroethene

Concen: 3.178 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028823.D

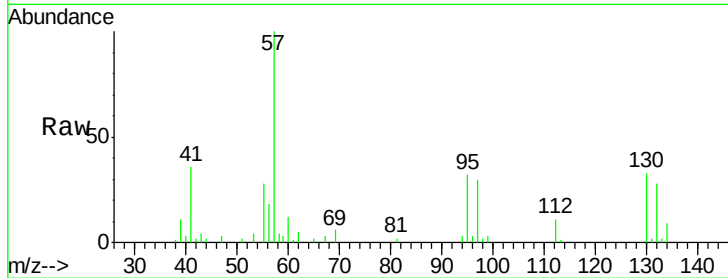
Acq: 20 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

C0JH1



Tgt Ion: 95 Resp: 5550

Ion Ratio Lower Upper

95 100

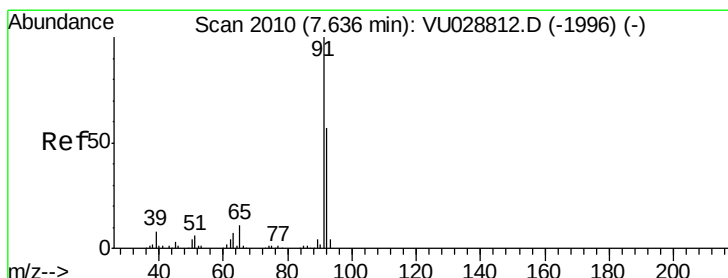
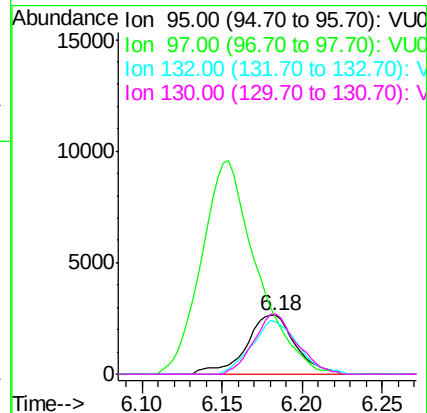
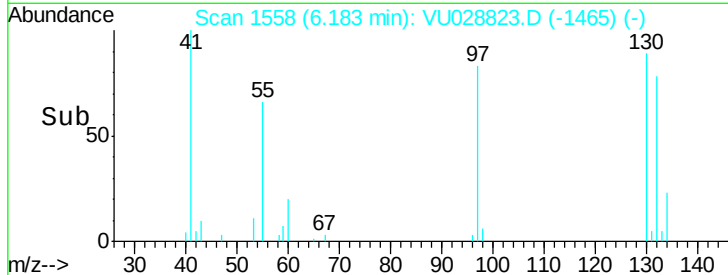
97 95.6 43.3 80.3#

132 90.0 64.2 119.2

130 103.2 67.1 124.7

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#42

Toluene

Concen: 16.854 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028823.D

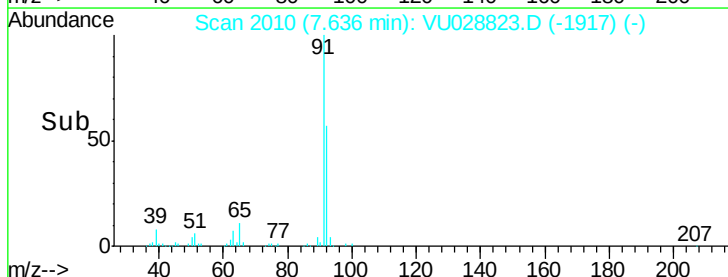
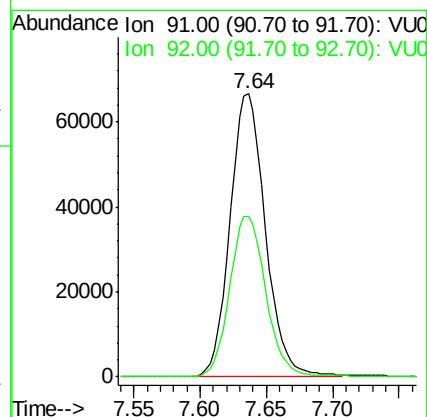
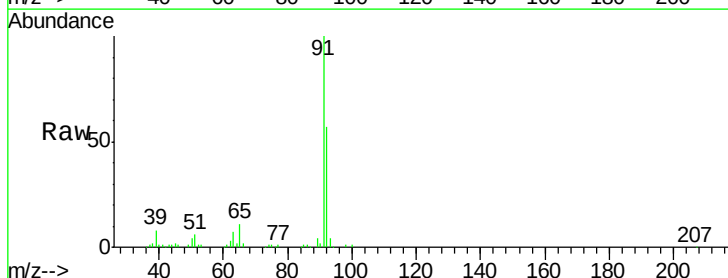
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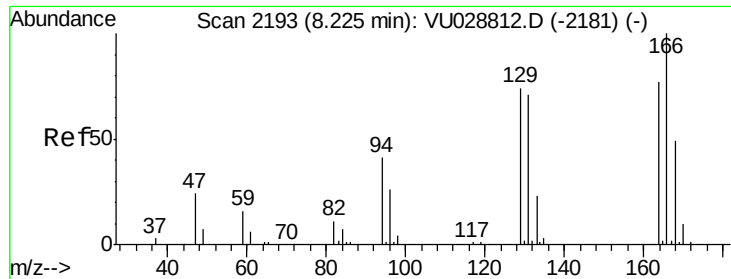
Tgt Ion: 91 Resp: 123604

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1





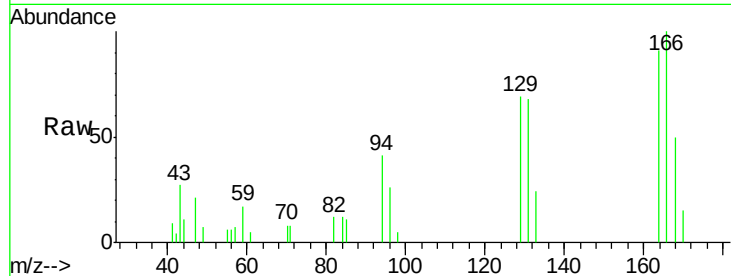
#46
Tetrachloroethene
Concen: 2.678 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028823.D
Acq: 20 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
C0JH1

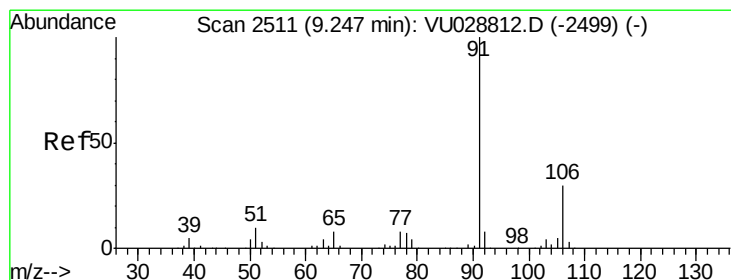
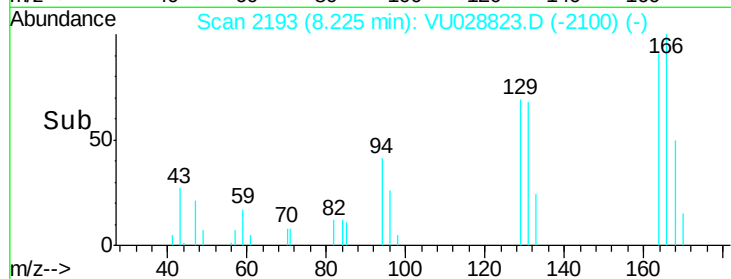
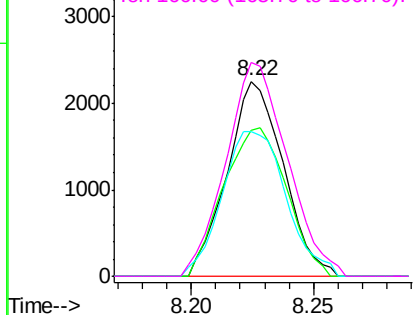
Tgt Ion: 164 Resp: 3602
Ion Ratio Lower Upper
164 100
129 75.1 66.8 124.0
131 74.6 64.2 119.2
166 109.7 90.8 168.6

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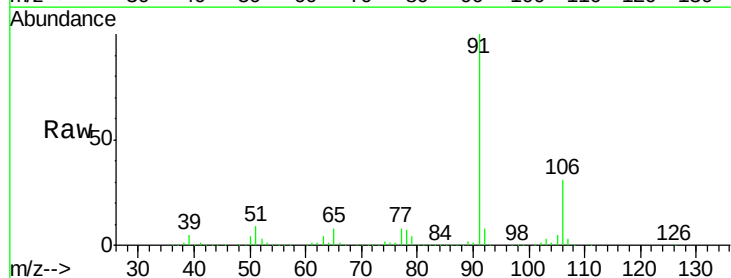


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

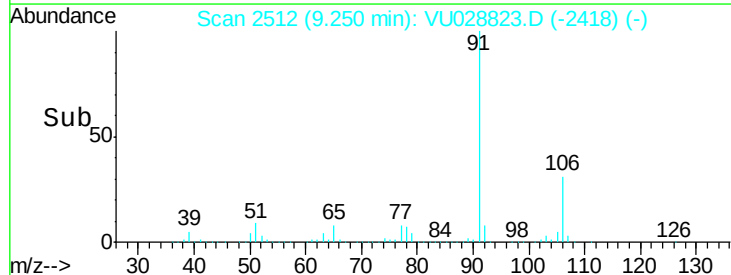
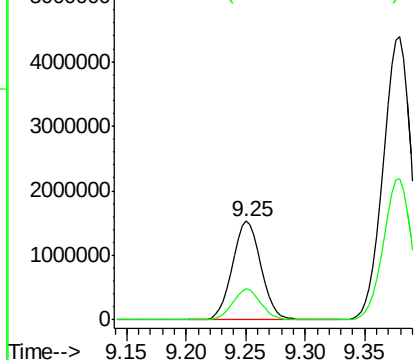


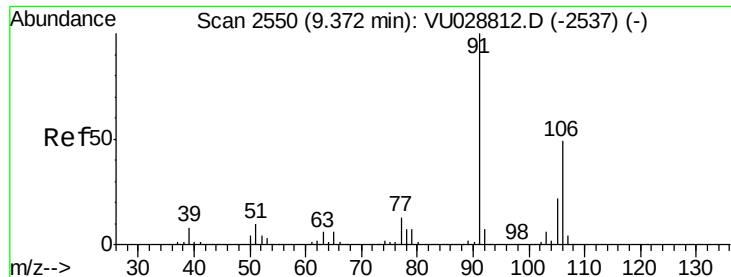
#52
Ethylbenzene
Concen: 324.286 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028823.D
Acq: 20 Dec 2018 14:42

Tgt Ion: 91 Resp: 2555448
Ion Ratio Lower Upper
91 100
106 31.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1243.738 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VU028823.D

Acq: 20 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

C0JH1

Tgt Ion:106 Resp: 3624270

Ion Ratio Lower Upper

106 100

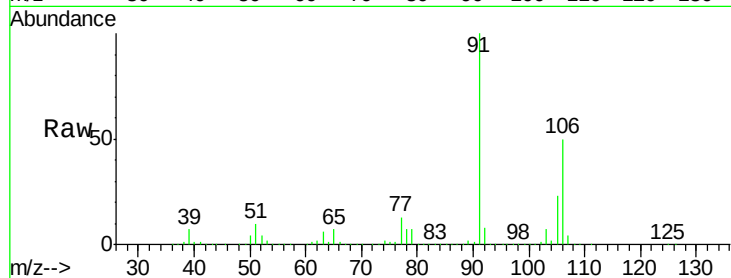
91 200.9 144.1 267.5

Manual Integrations

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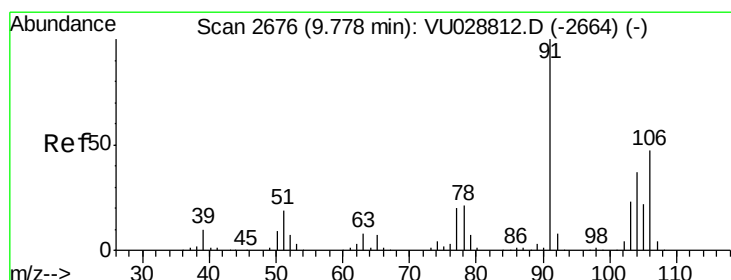
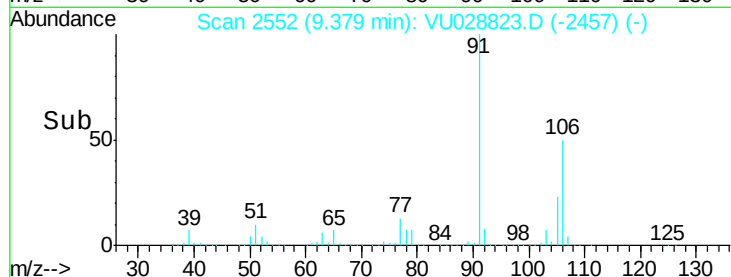
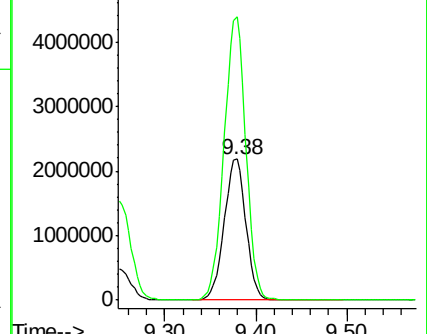
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 456.814 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028823.D

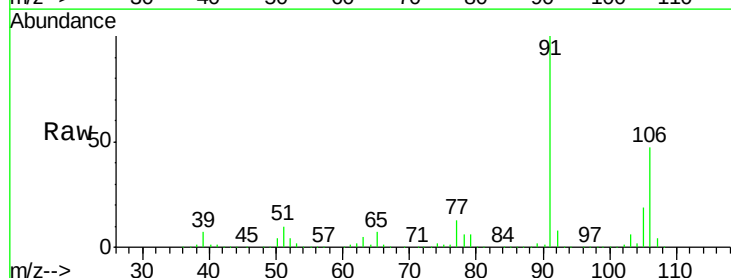
Acq: 20 Dec 2018 14:42

Tgt Ion:106 Resp: 1334166

Ion Ratio Lower Upper

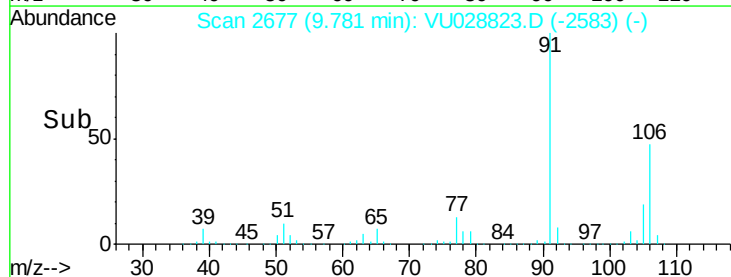
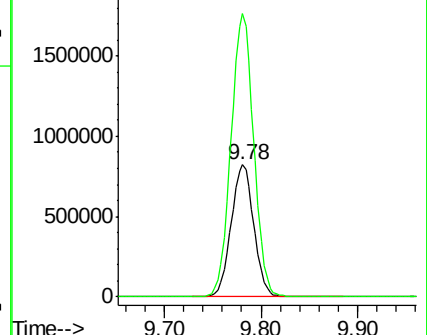
106 100

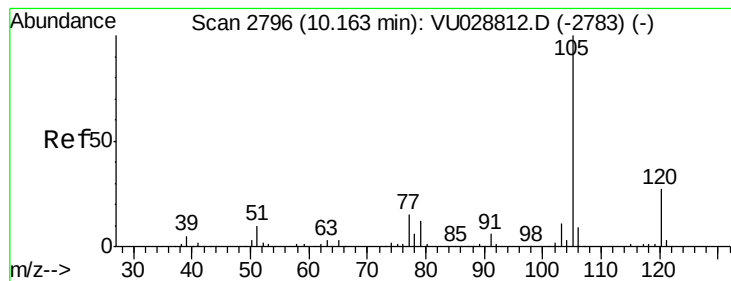
91 214.7 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 6.095 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028823.D

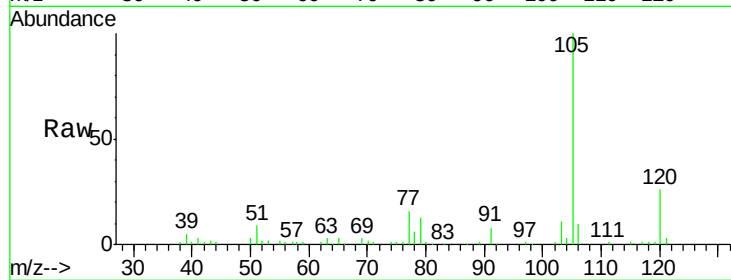
Acq: 20 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:	105	Resp:	45159
Ion Ratio	Lower	Upper	
105	100		
120	26.3	21.4	32.2
77	15.2	12.3	18.5

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