

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028872.D
 Acq On : 21 Dec 2018 14:34
 Operator : MD/SY
 Sample : J6468-15DL 20X
 Misc : 6.35uL/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 21 23:31:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 23:27:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	199731	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	186538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	79941	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58069	36.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.54%
7) Chloroethane-d5	1.66	69	48329	39.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.16%
11) 1,1-Dichloroethene-d2	2.26	63	76287	28.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.66%#
21) 2-Butanone-d5	4.18	46	107927	96.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.20%
24) Chloroform-d	4.65	84	101406	40.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.54%
26) 1,2-Dichloroethane-d4	5.31	65	65863	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.88%
32) Benzene-d6	5.34	84	220914	41.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.84%
36) 1,2-Dichloropropane-d6	6.33	67	77999	43.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.14%
41) Toluene-d8	7.56	98	190637	39.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.84%#
43) trans-1,3-Dichloropropene-	7.85	79	31898	39.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.52%
47) 2-Hexanone-d5	8.31	63	83375	98.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	107635	43.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	71008	43.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.84%

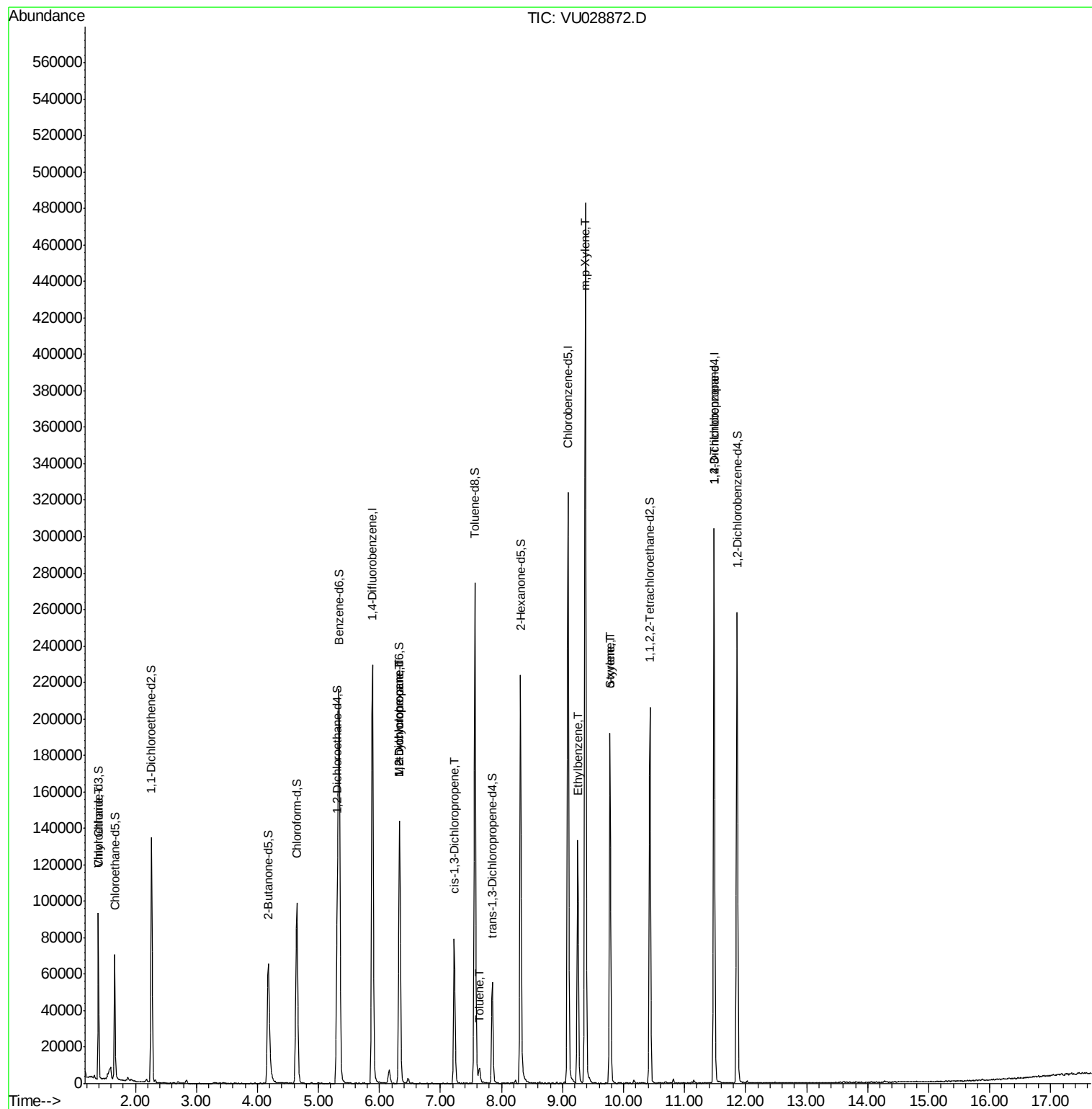
Target Compounds

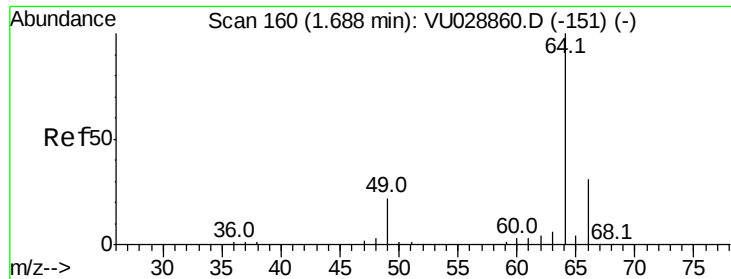
					Ovalue
8) Chloroethane	1.40	64	870	0.779	ug/L # 1
35) Methylcyclohexane	6.33	83	16362	6.852	ug/L # 24
37) 1,2-Dichloropropane	6.33	63	7299	4.397	ug/L # 98
39) cis-1,3-Dichloropropene	7.22	75	1594	0.674	ug/L # 70
42) Toluene	7.64	91	5995	0.996	ug/L 92
52) Ethylbenzene	9.25	91	97447	15.065	ug/L 97
53) m,p-Xylene	9.37	106	139789	58.441	ug/L 96
54) o-xylene	9.78	106	53255	22.214	ug/L 94
55) Styrene	9.78	104	2715	0.669	ug/L # 1
59) 1,2,3-Trichloropropane	11.48	75	9710	4.901	ug/L 94

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

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.779 ug/L

RT: 1.40 min Scan# 69

Delta R.T. -0.29 min

Lab File: VU028872.D

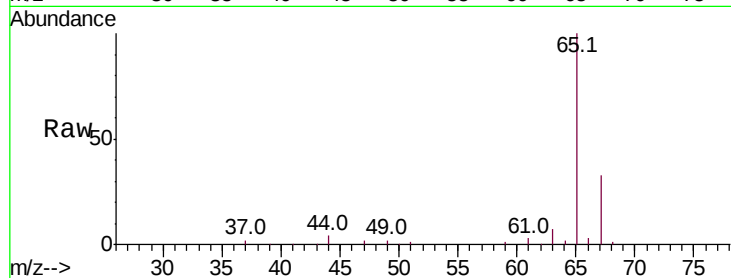
Acq: 21 Dec 2018 14:34

Tot Ion: 64 Resp: 870

Ion Ratio Lower Upper

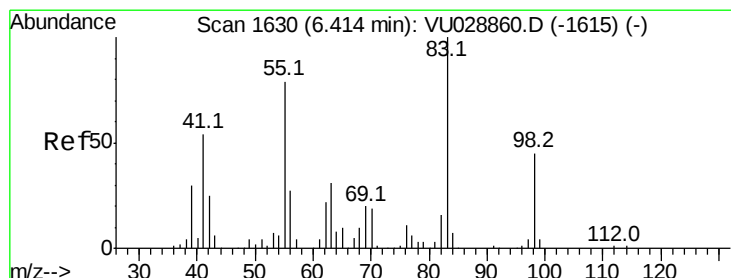
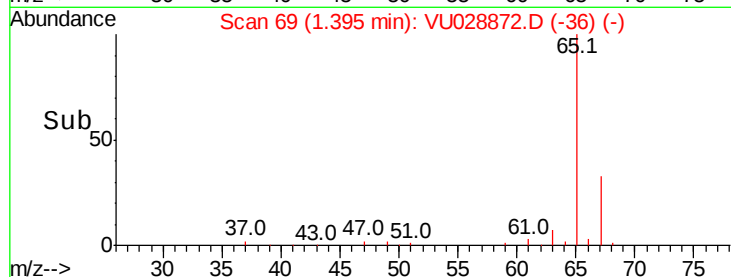
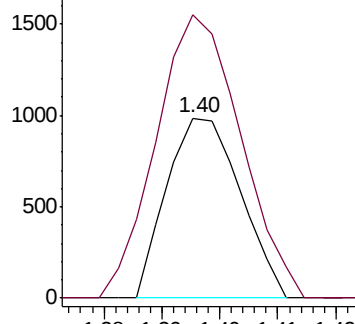
64 100

66 157.4 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#35

Methylcyclohexane

Concen: 6.852 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.09 min

Lab File: VU028872.D

Acq: 21 Dec 2018 14:34

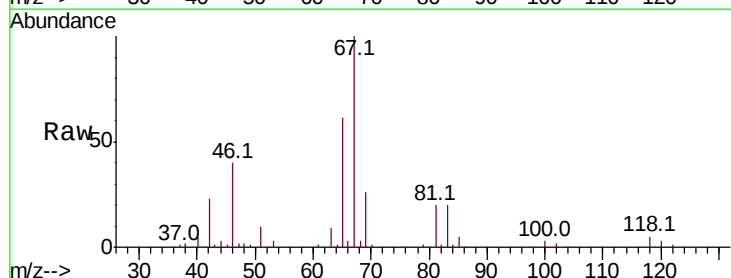
Tgt Ion: 83 Resp: 16362

Ion Ratio Lower Upper

83 100

55 8.9 63.7 95.5#

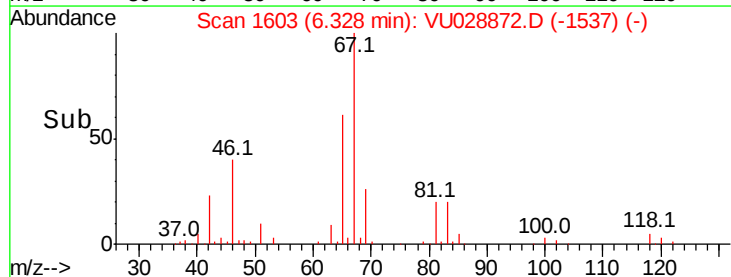
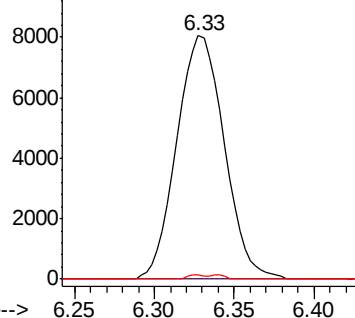
98 0.7 35.6 53.4#

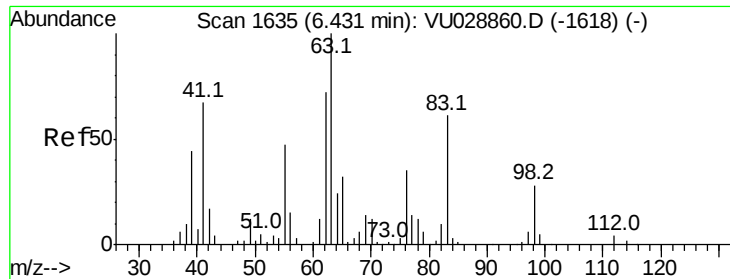


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 4.397 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028872.D

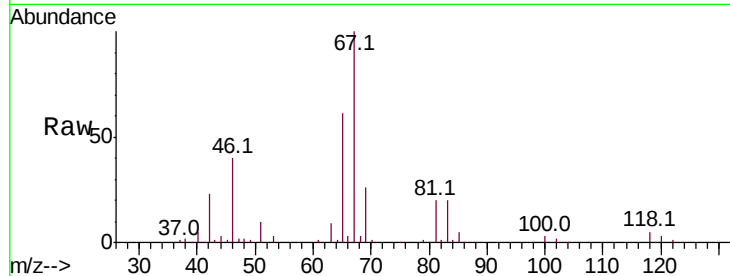
Acq: 21 Dec 2018 14:34

Tot Ion: 63 Resp: 7299

Ion Ratio Lower Upper

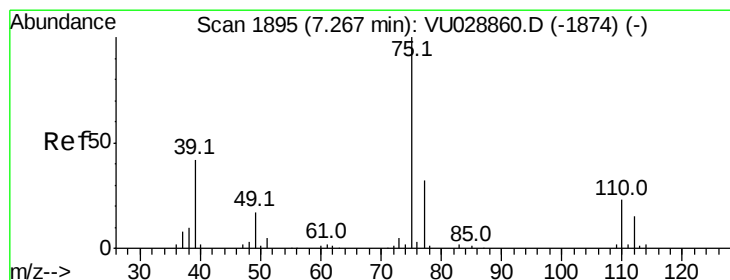
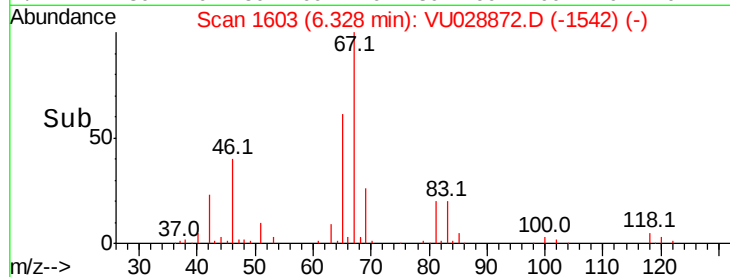
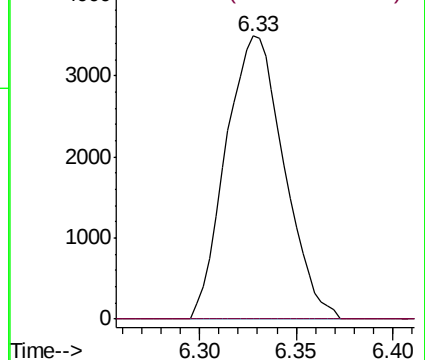
63 100

112 2.6 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#39

cis-1,3-Dichloropropene

Concen: 0.674 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.04 min

Lab File: VU028872.D

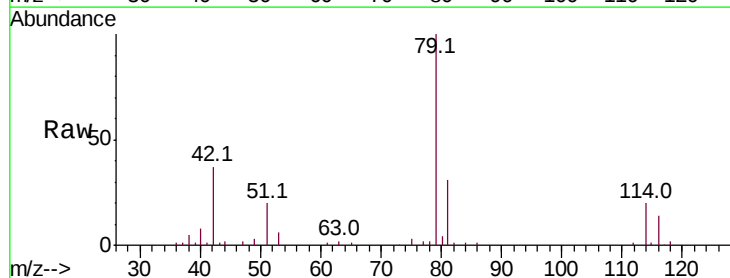
Acq: 21 Dec 2018 14:34

Tgt Ion: 75 Resp: 1594

Ion Ratio Lower Upper

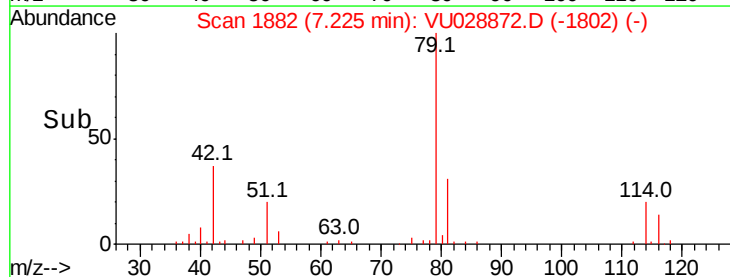
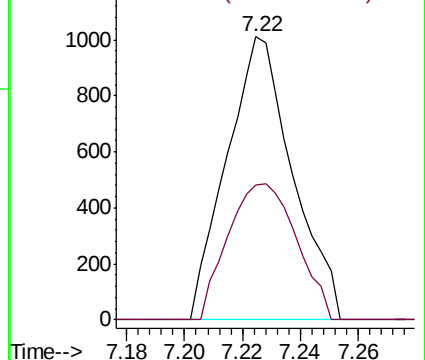
75 100

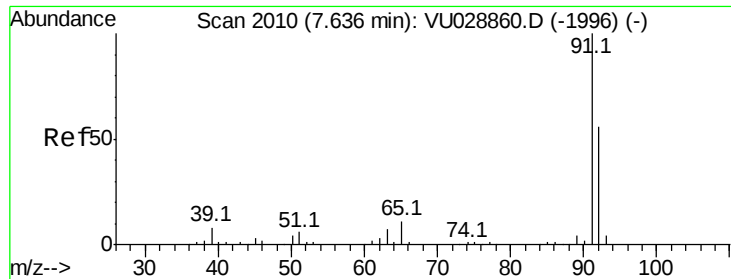
77 47.5 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 0.996 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028872.D

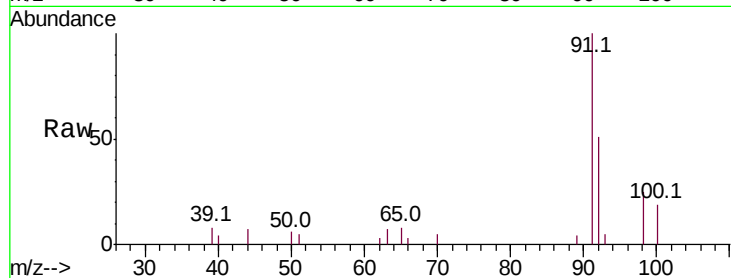
Acq: 21 Dec 2018 14:34

Tot Ion: 91 Resp: 5995

Ion Ratio Lower Upper

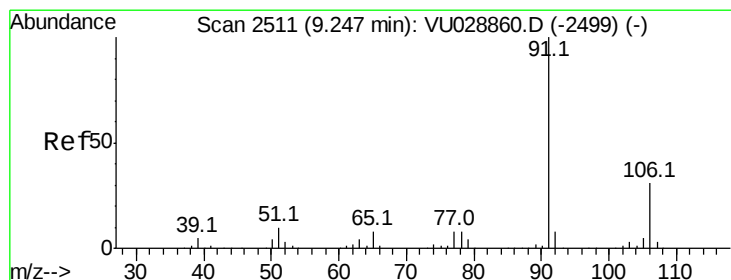
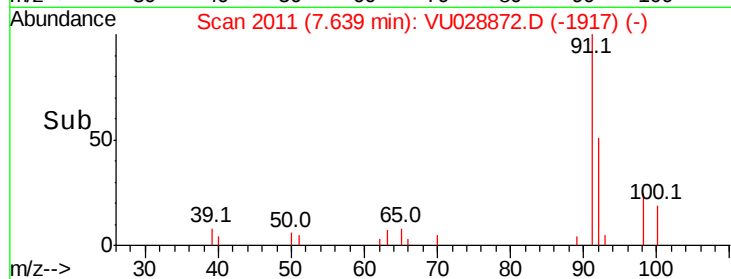
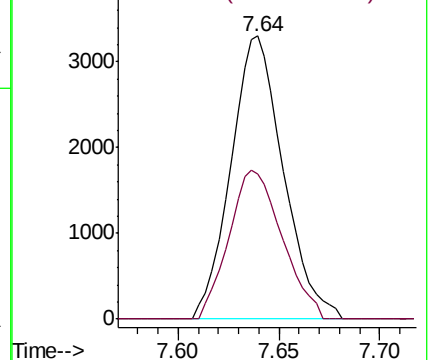
91 100

92 51.2 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#52

Ethylbenzene

Concen: 15.065 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028872.D

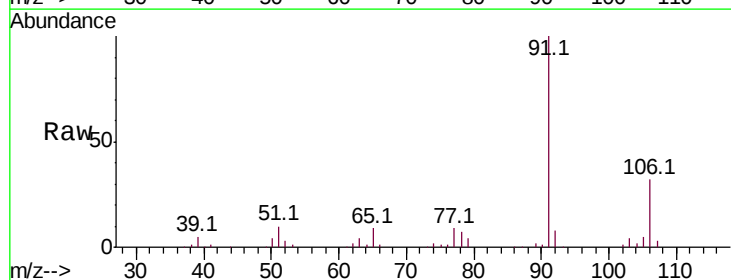
Acq: 21 Dec 2018 14:34

Tgt Ion: 91 Resp: 97447

Ion Ratio Lower Upper

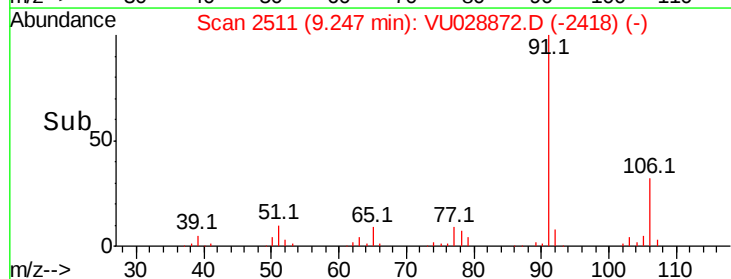
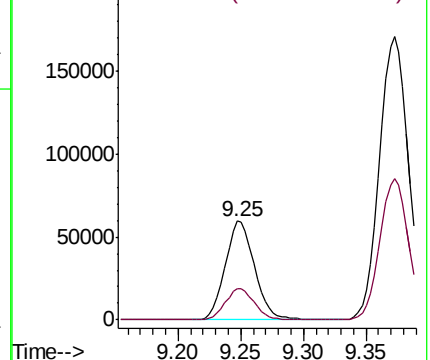
91 100

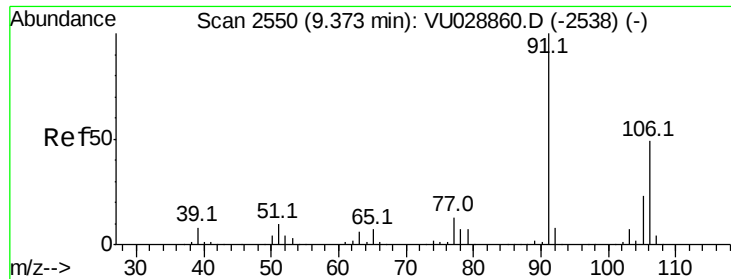
106 31.7 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 58.441 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028872.D

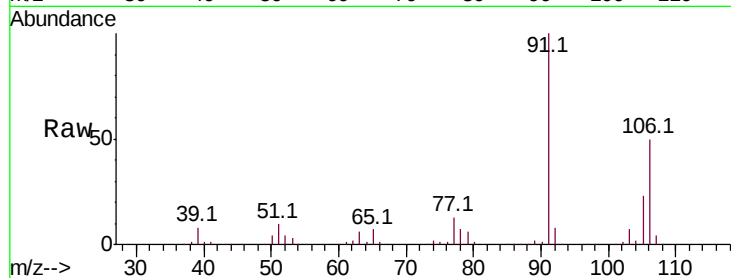
Acq: 21 Dec 2018 14:34

Tot Ion:106 Resp: 139789

Ion Ratio Lower Upper

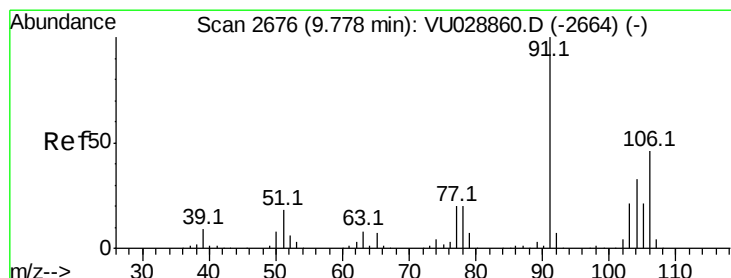
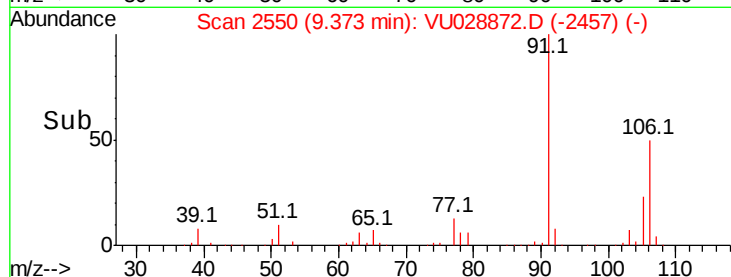
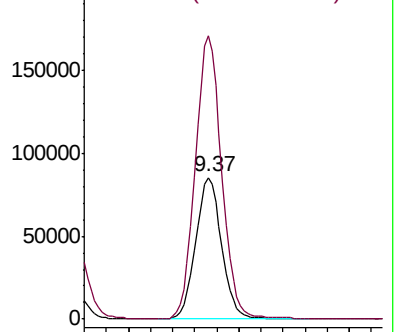
106 100

91 200.0 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 22.214 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028872.D

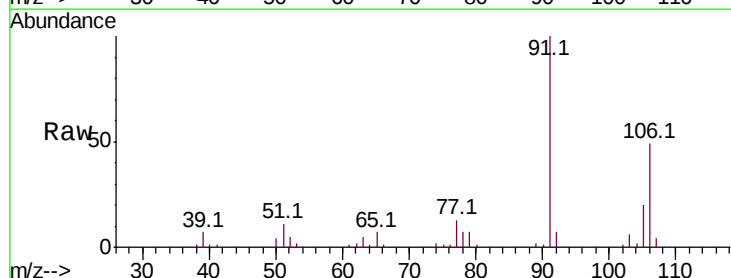
Acq: 21 Dec 2018 14:34

Tgt Ion:106 Resp: 53255

Ion Ratio Lower Upper

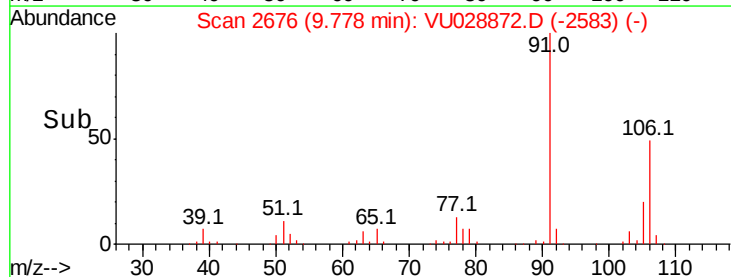
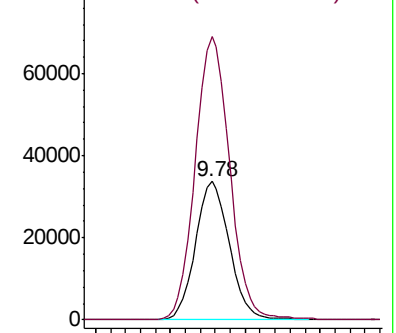
106 100

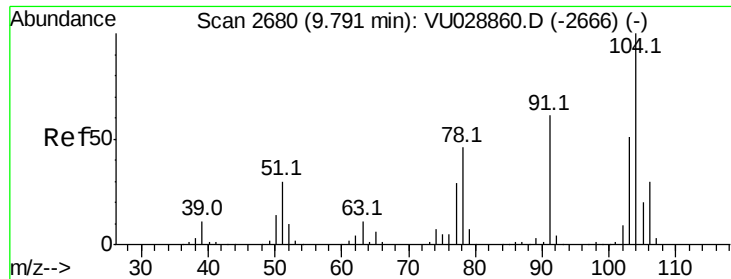
91 204.6 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Stvrene

Concen: 0.669 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.01 min

Lab File: VU028872.D

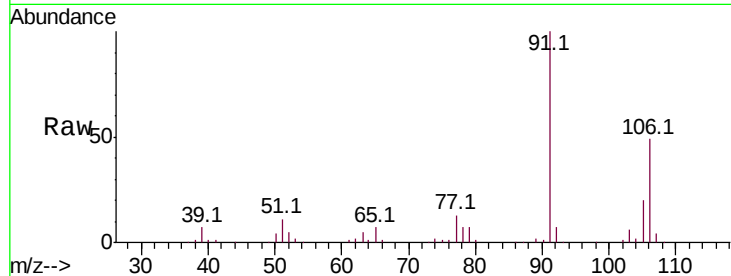
Acq: 21 Dec 2018 14:34

Tot Ion:104 Resp: 2715

Ion Ratio Lower Upper

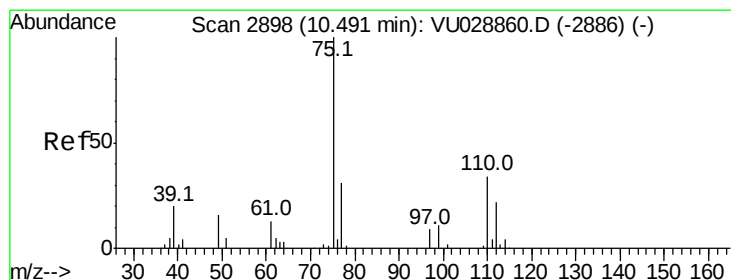
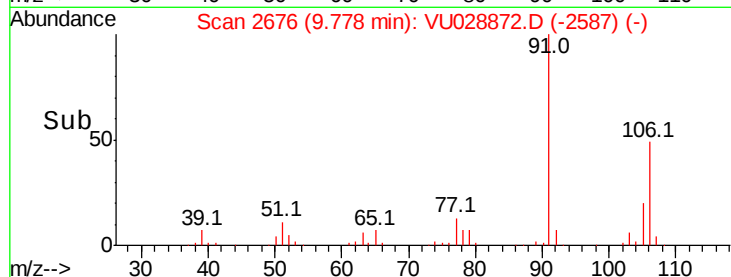
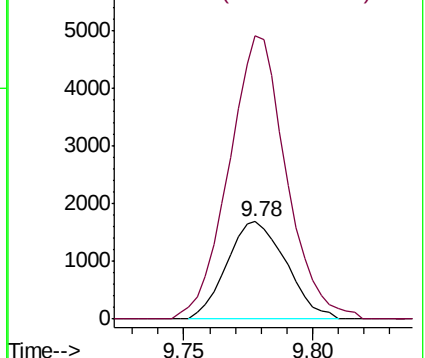
104 100

78 290.2 31.3 58.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#59

1,2,3-Trichloropropane

Concen: 4.901 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028872.D

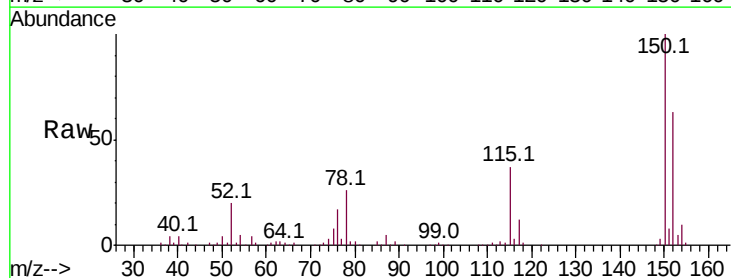
Acq: 21 Dec 2018 14:34

Tgt Ion: 75 Resp: 9710

Ion Ratio Lower Upper

75 100

77 35.3 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

