

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028882.D
 Acq On : 21 Dec 2018 18:38
 Operator : MD/SY
 Sample : J6441-11DL2 100X
 Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 21 23:33:09 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	177495	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	170417	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	75733	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41763	29.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.70%#
7) Chloroethane-d5	1.67	69	36531	33.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	66.48%#
11) 1,1-Dichloroethene-d2	2.27	63	56826	23.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.50%#
21) 2-Butanone-d5	4.18	46	101952	102.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.26%
24) Chloroform-d	4.65	84	86723	38.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.52%
26) 1,2-Dichloroethane-d4	5.31	65	54645	39.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.24%
32) Benzene-d6	5.34	84	175663	36.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.98%
36) 1,2-Dichloropropane-d6	6.33	67	65028	39.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.52%
41) Toluene-d8	7.57	98	151440	34.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.42%#
43) trans-1,3-Dichloropropene-	7.85	79	27041	36.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.80%
47) 2-Hexanone-d5	8.31	63	79121	101.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100639	44.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	62569	40.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.70%

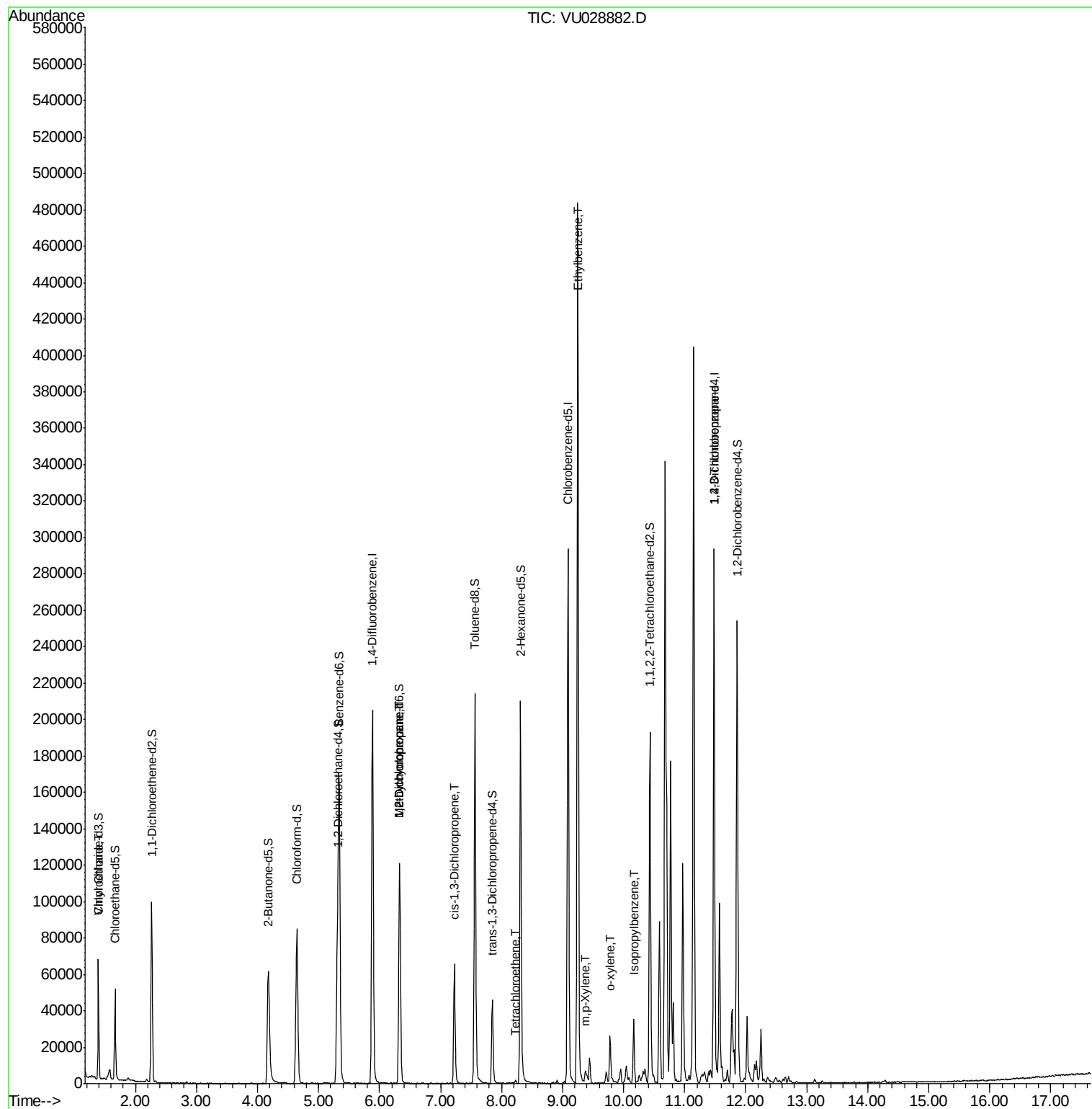
Target Compounds

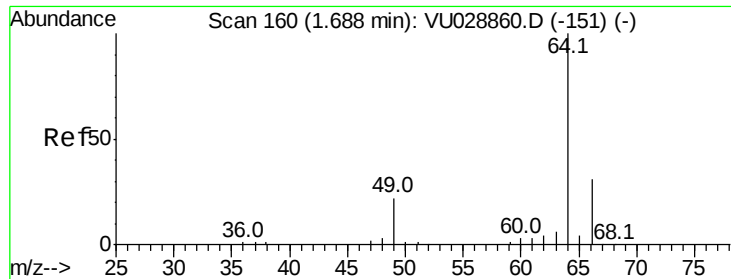
					Ovalue
8) Chloroethane	1.40	64	709	0.714 ug/L #	1
35) Methylcyclohexane	6.33	83	13510	6.193 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6286	4.145 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1344	0.622 ug/L #	62
46) Tetrachloroethene	8.23	164	455	0.451 ug/L	80
52) Ethylbenzene	9.25	91	348491	58.971 ug/L	98
53) m,p-Xylene	9.37	106	2156	0.987 ug/L	84
54) o-xylene	9.78	106	7291	3.329 ug/L	97
56) Isopropylbenzene	10.17	105	22484	4.047 ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	9430	5.210 ug/L	91

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

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ALS Vial : 24 Sample Multiplier: 1

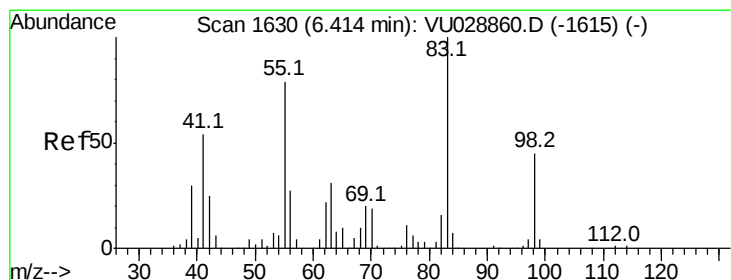
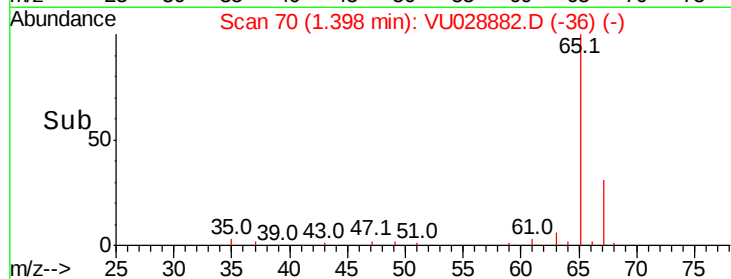
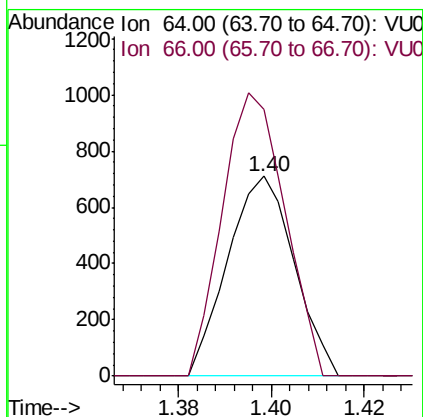
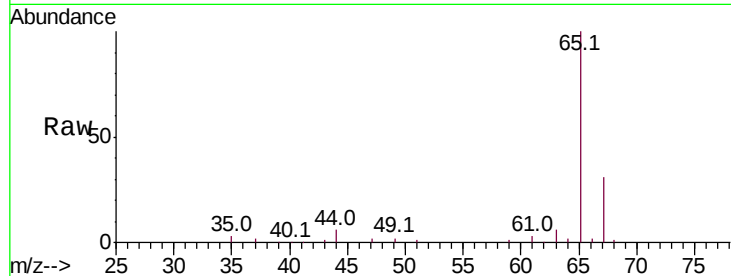
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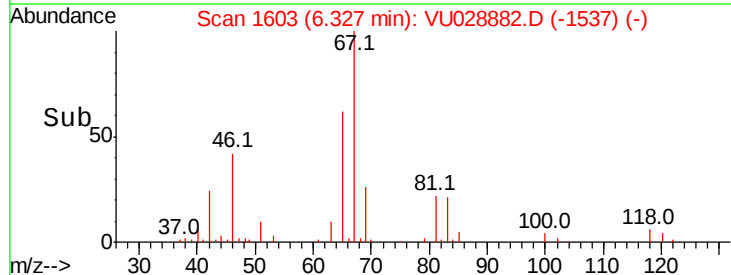
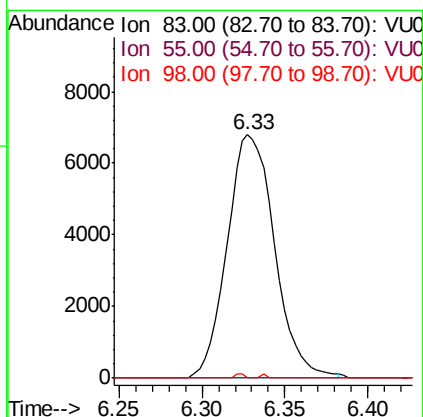
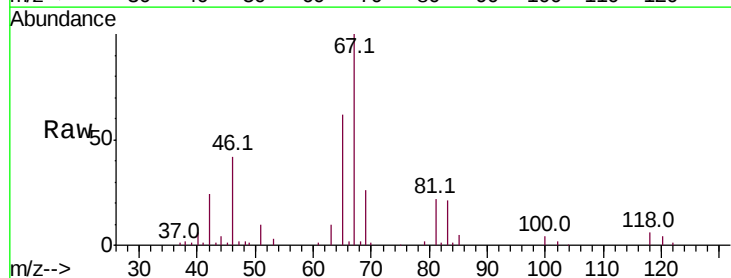
#8
Chloroethane
Concen: 0.714 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU028882.D
Acq: 21 Dec 2018 18:38

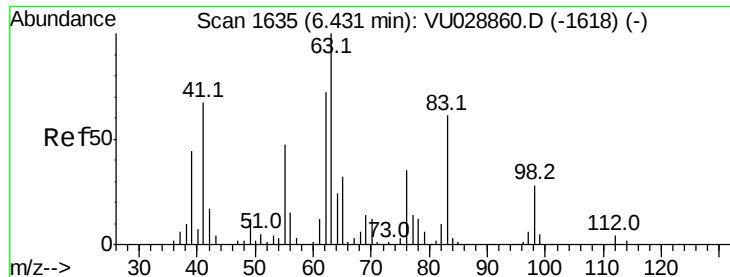
Tot Ion: 64 Resp: 709
Ion Ratio Lower Upper
64 100
66 133.4 21.5 39.9#



#35
Methylcyclohexane
Concen: 6.193 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.09 min
Lab File: VU028882.D
Acq: 21 Dec 2018 18:38

Tgt Ion: 83 Resp: 13510
Ion Ratio Lower Upper
83 100
55 0.0 63.7 95.5#
98 0.3 35.6 53.4#





#37

1,2-Dichloropropane

Concen: 4.145 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028882.D

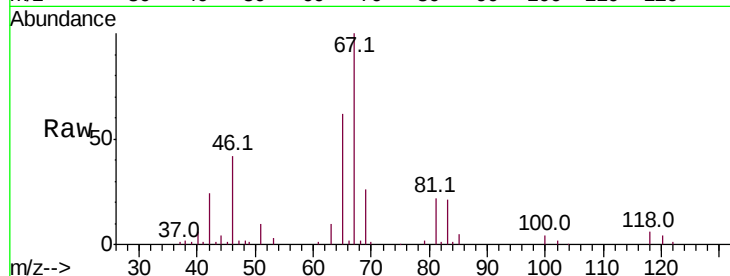
Acq: 21 Dec 2018 18:38

Tot Ion: 63 Resp: 6286

Ion Ratio Lower Upper

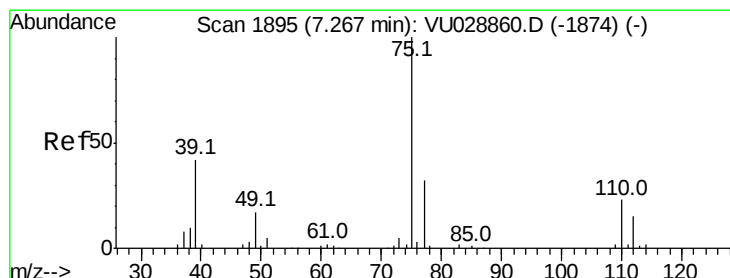
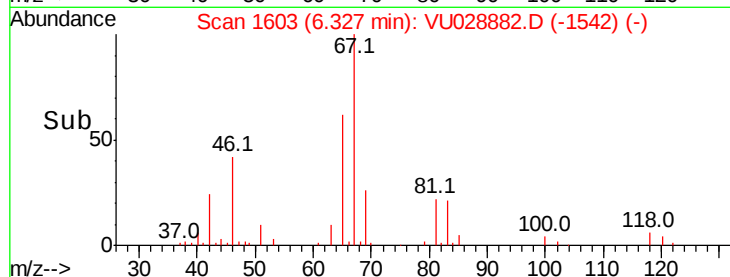
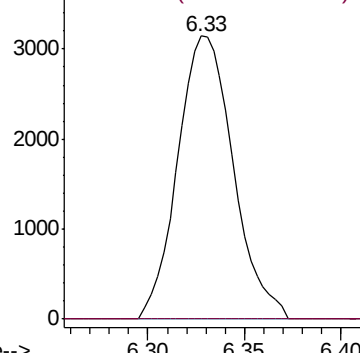
63 100

112 0.0 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: 0.622 ug/L

RT: 7.22 min Scan# 1881

Delta R.T. -0.05 min

Lab File: VU028882.D

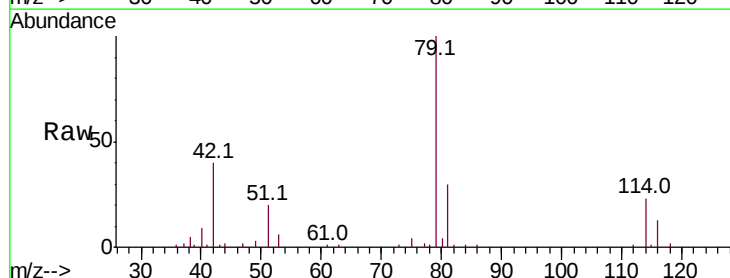
Acq: 21 Dec 2018 18:38

Tgt Ion: 75 Resp: 1344

Ion Ratio Lower Upper

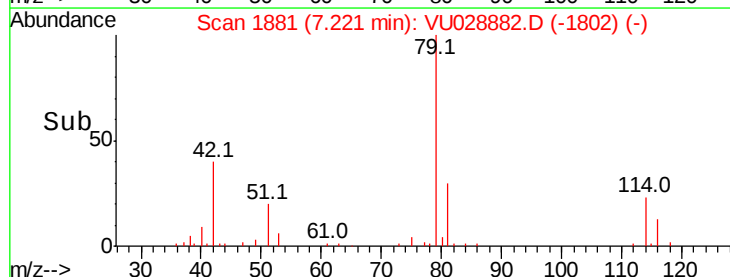
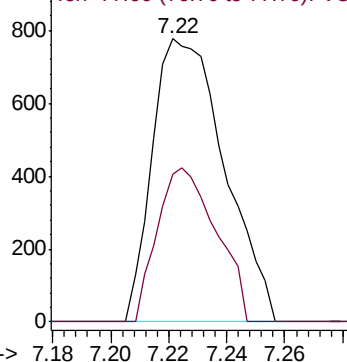
75 100

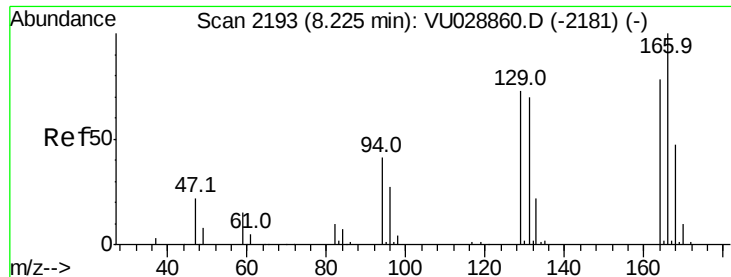
77 52.0 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 0.451 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VU028882.D

Acq: 21 Dec 2018 18:38

Tot Ion:164 Resp: 455

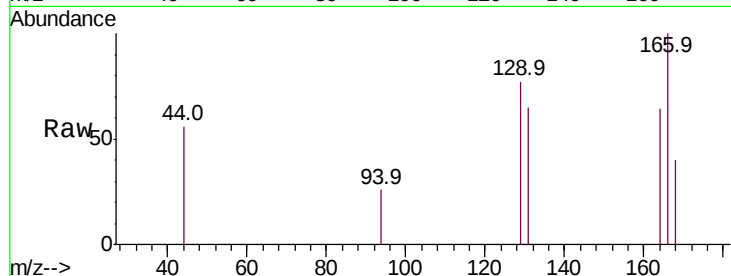
Ion Ratio Lower Upper

164 100

129 119.8 66.8 124.0

131 101.4 64.2 119.2

166 155.4 90.8 168.6

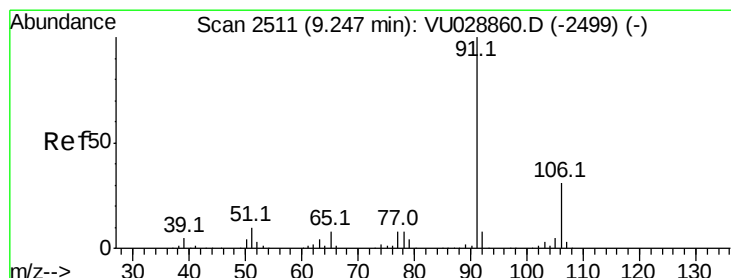
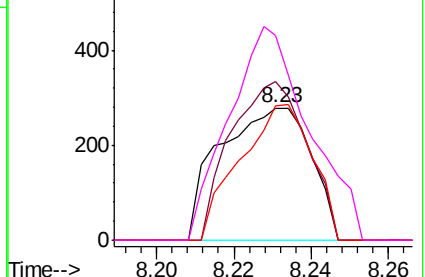
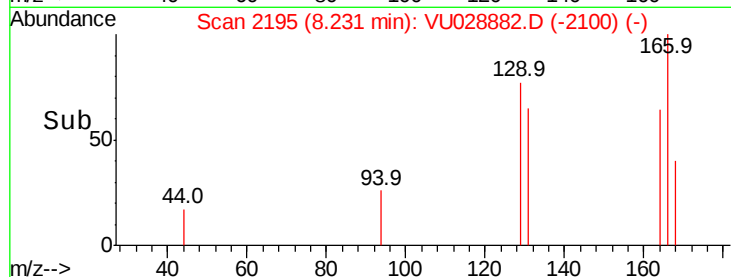


Abundance Ion 164.00 (163.70 to 164.70): V

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: 58.971 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028882.D

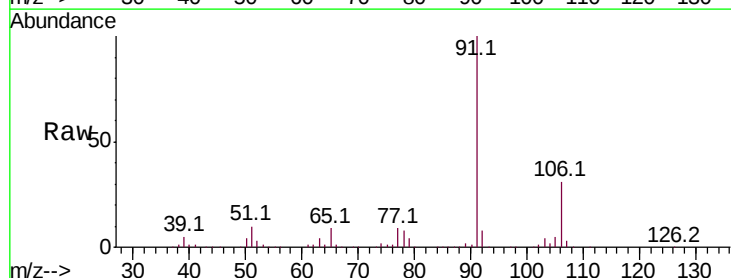
Acq: 21 Dec 2018 18:38

Tgt Ion: 91 Resp: 348491

Ion Ratio Lower Upper

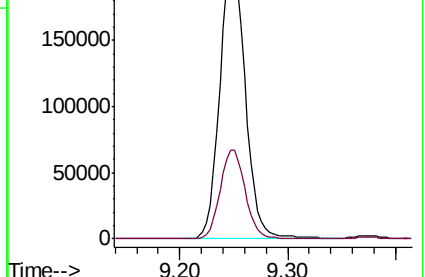
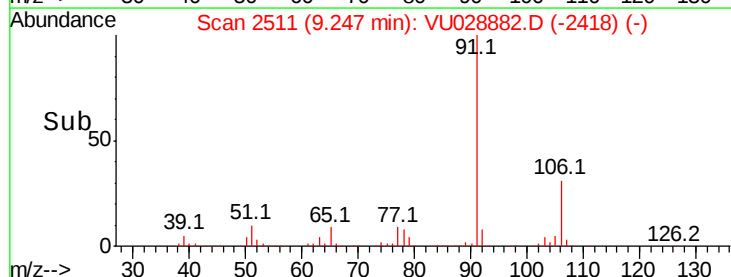
91 100

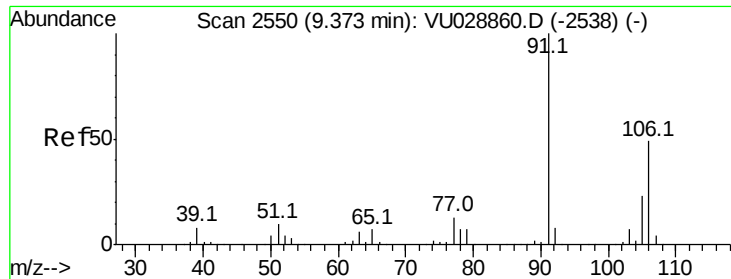
106 31.2 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 0.987 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028882.D

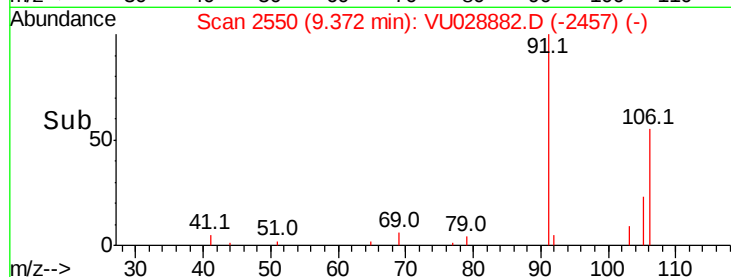
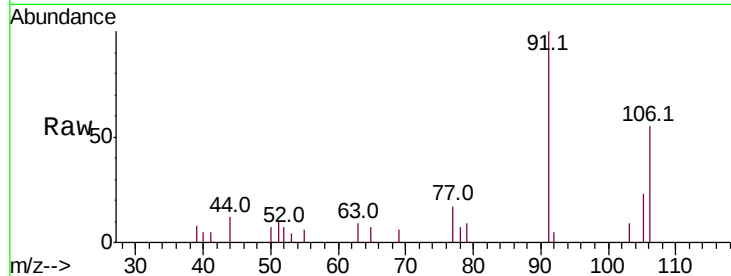
Acq: 21 Dec 2018 18:38

Tot Ion:106 Resp: 2156

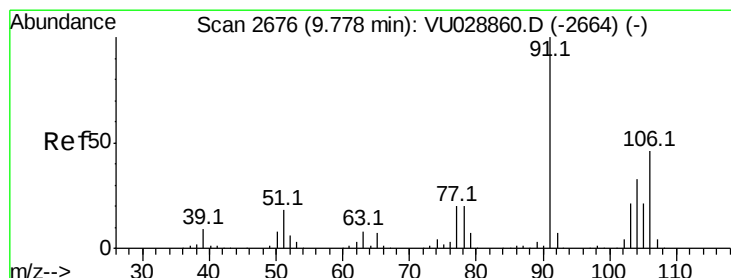
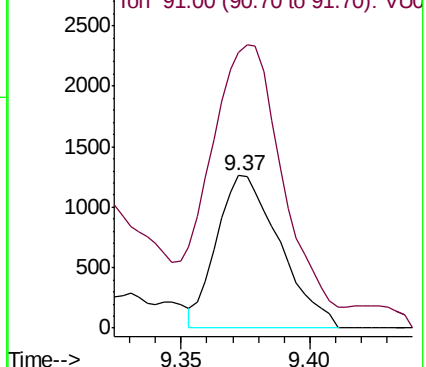
Ion Ratio Lower Upper

106 100

91 180.5 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V



#54

o-xylene

Concen: 3.329 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028882.D

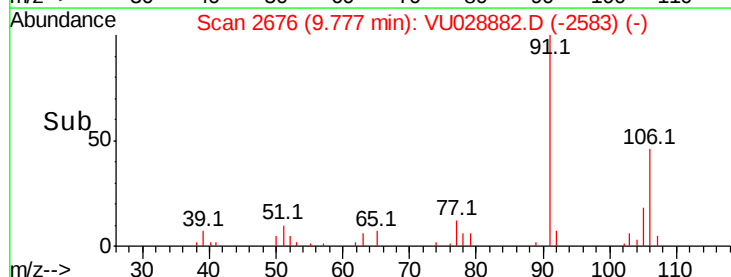
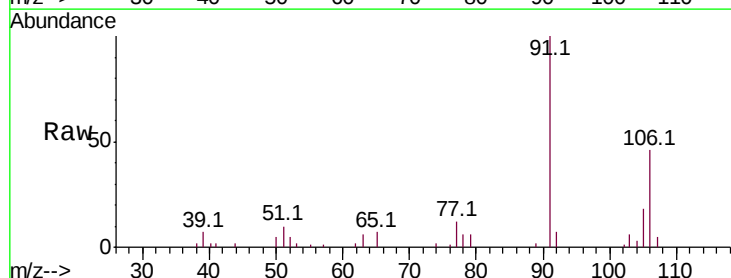
Acq: 21 Dec 2018 18:38

Tgt Ion:106 Resp: 7291

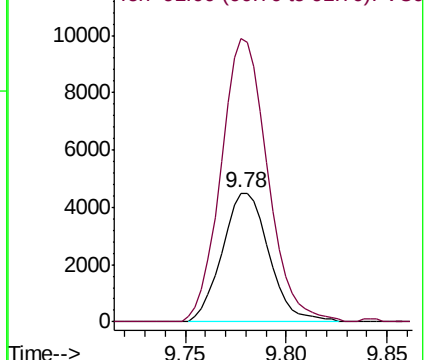
Ion Ratio Lower Upper

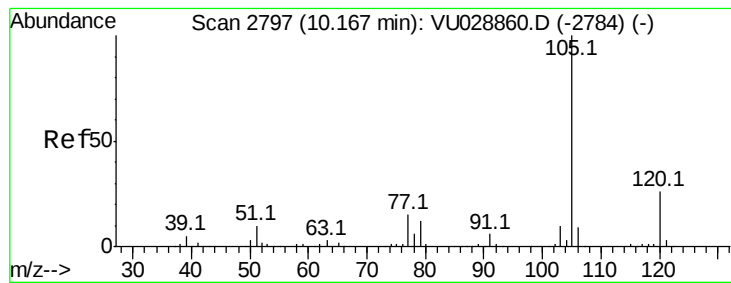
106 100

91 219.5 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V





#56

Isopropylbenzene

Concen: 4.047 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028882.D

Acq: 21 Dec 2018 18:38

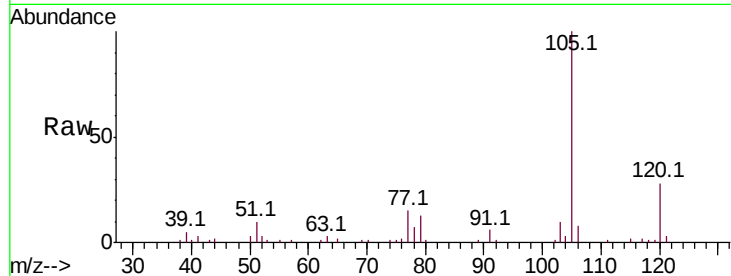
Tot Ion:105 Resp: 22484

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

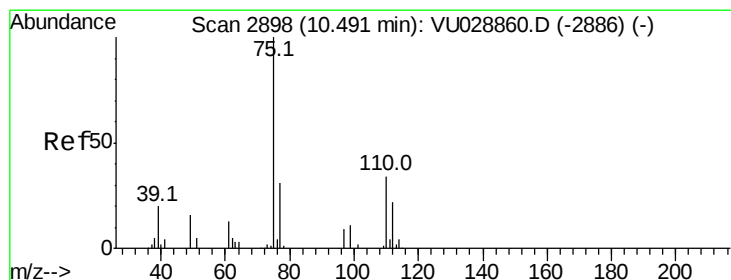
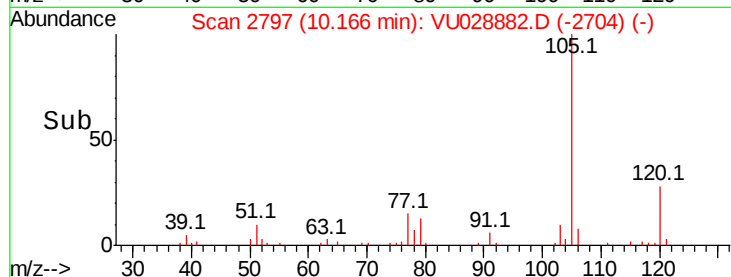
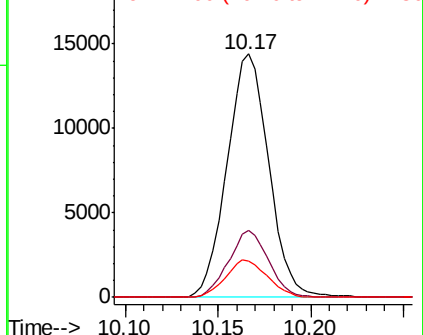
77 15.3 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 5.210 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028882.D

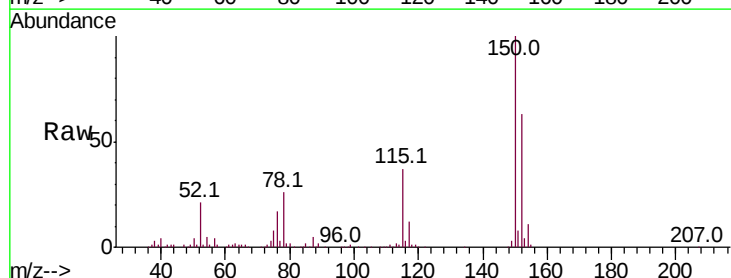
Acq: 21 Dec 2018 18:38

Tgt Ion: 75 Resp: 9430

Ion Ratio Lower Upper

75 100

77 36.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

