

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122118\
 Data File : VU028890.D
 Acq On : 21 Dec 2018 21:52
 Operator : MD/SY
 Sample : J6509-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETO85

Quant Time: Dec 22 03:25:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 22 01:55:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	170482	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	163343	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71962	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62423	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.34%
7) Chloroethane-d5	1.67	69	48845	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.54%
11) 1,1-Dichloroethene-d2	2.26	63	81828	35.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.20%
21) 2-Butanone-d5	4.18	46	111066	115.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.99%
24) Chloroform-d	4.65	84	105822	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.48%
26) 1,2-Dichloroethane-d4	5.31	65	68172	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
32) Benzene-d6	5.34	84	236634	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
36) 1,2-Dichloropropane-d6	6.33	67	81638	52.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.16%
41) Toluene-d8	7.56	98	212951	50.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.84%
43) trans-1,3-Dichloropropene-	7.85	79	34346	48.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.78%
47) 2-Hexanone-d5	8.31	63	87644	117.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112785	51.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	76608	52.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.28%

Target Compounds

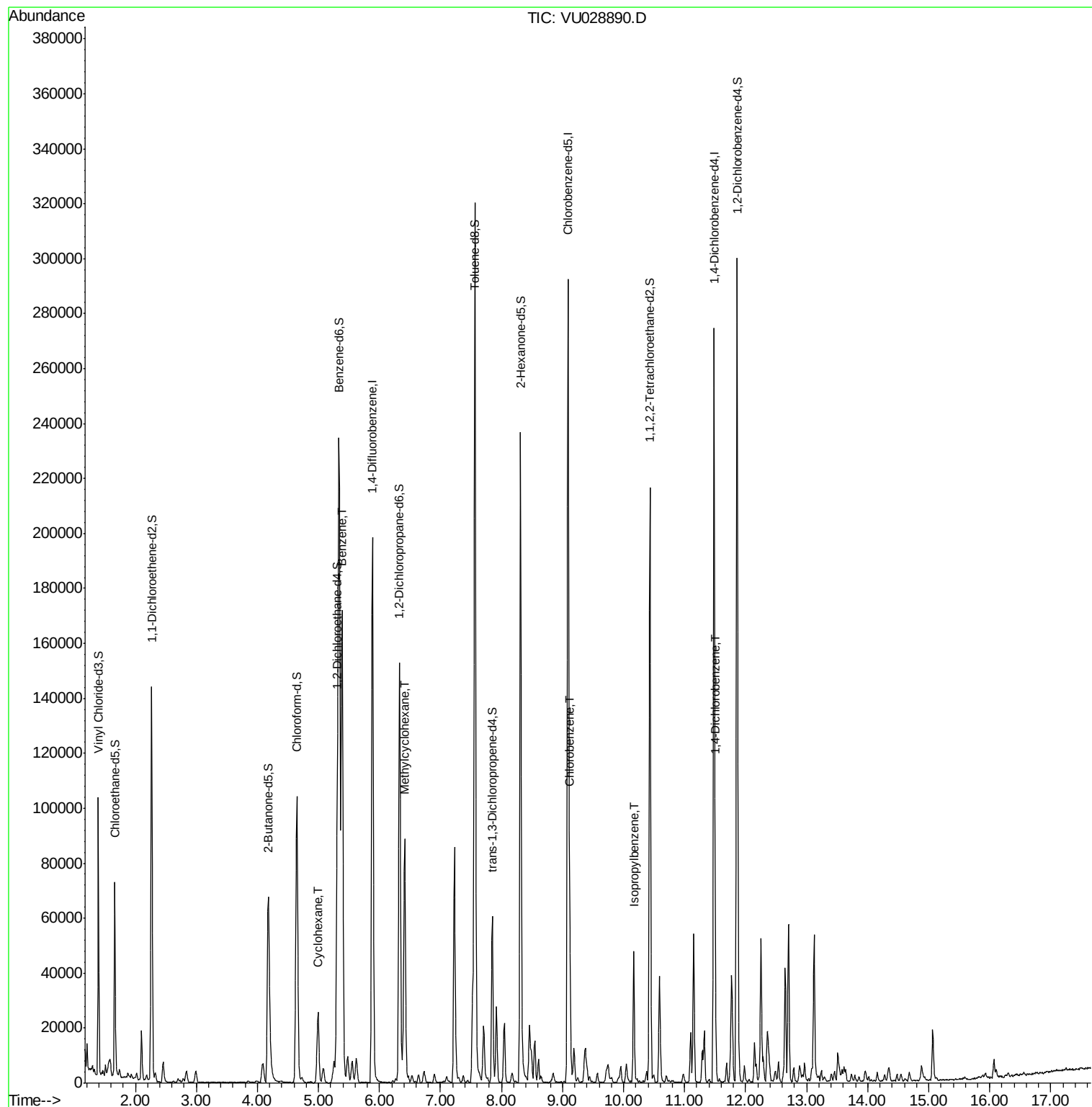
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.99	56	14451	6.647	ug/L	98
33) Benzene	5.39	78	175275	33.705	ug/L	100
35) Methylcyclohexane	6.41	83	38183	18.261	ug/L	94
51) Chlorobenzene	9.12	112	28448	8.563	ug/L	98
56) Isopropylbenzene	10.17	105	31420	5.900	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	5870	2.492	ug/L	95

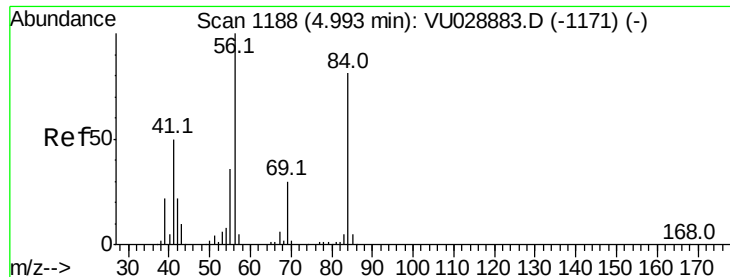
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#29

Cyclohexane

Concen: 6.647 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU028890.D

Acq: 21 Dec 2018 21:52

Instrument :

MSVOA_U

ClientSampled :

ETO85

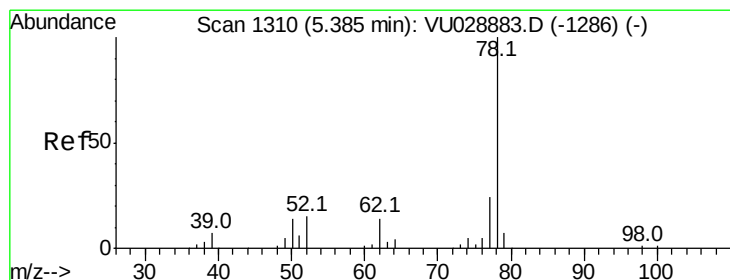
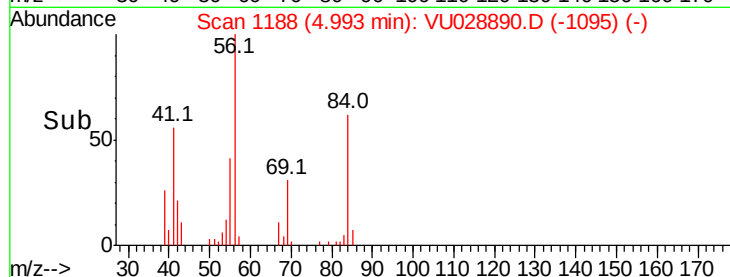
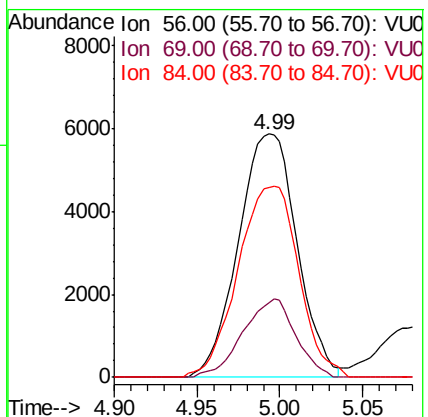
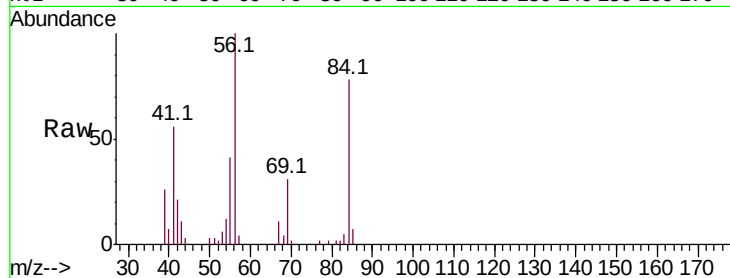
Tot Ion: 56 Resp: 14451

Ion Ratio Lower Upper

56 100

69 28.9 23.8 35.8

84 81.2 63.8 95.8



#33

Benzene

Concen: 33.705 ug/L

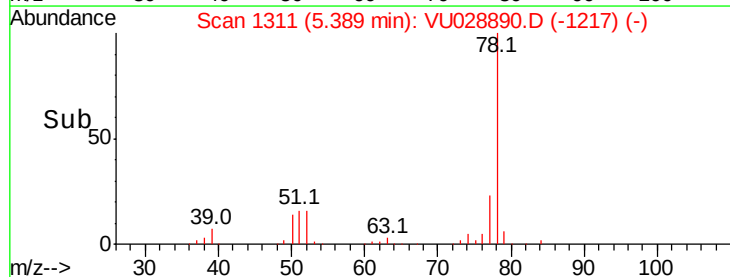
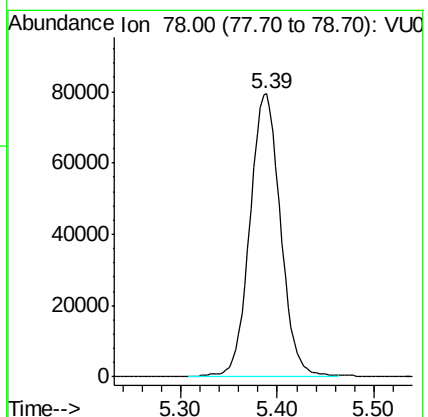
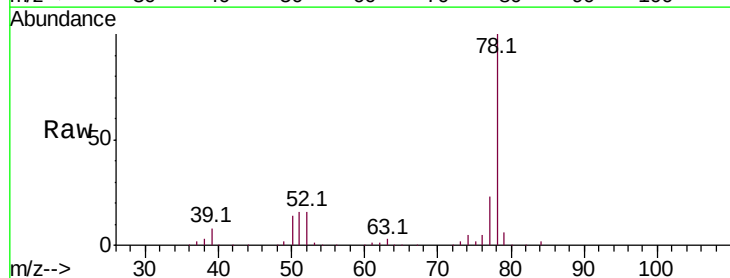
RT: 5.39 min Scan# 1311

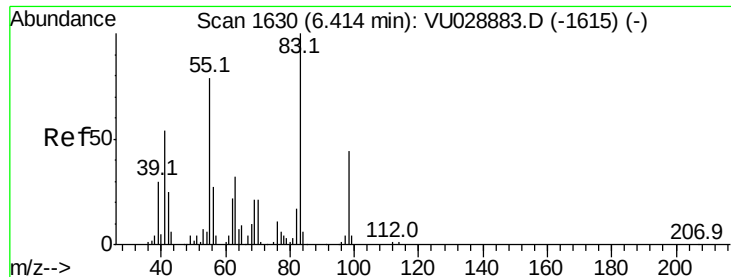
Delta R.T. 0.00 min

Lab File: VU028890.D

Acq: 21 Dec 2018 21:52

Tgt Ion: 78 Resp: 175275

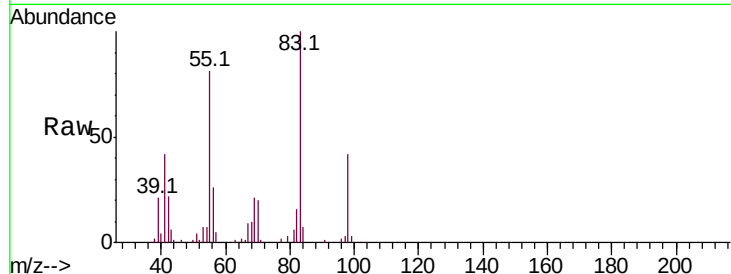




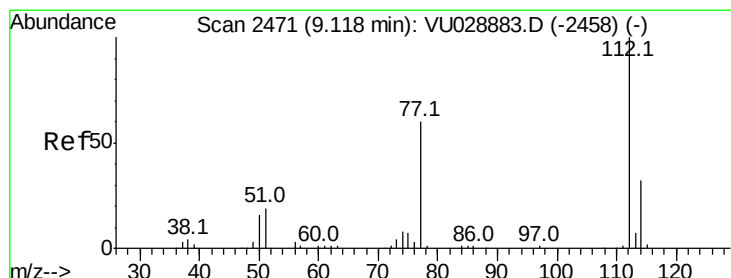
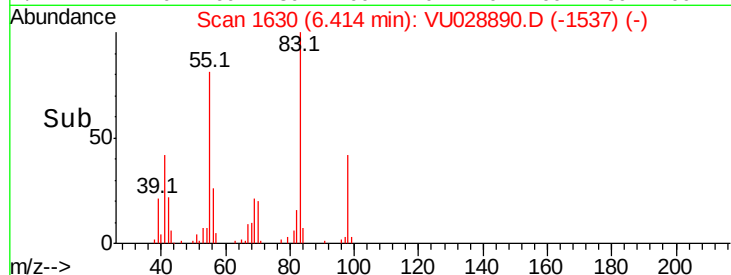
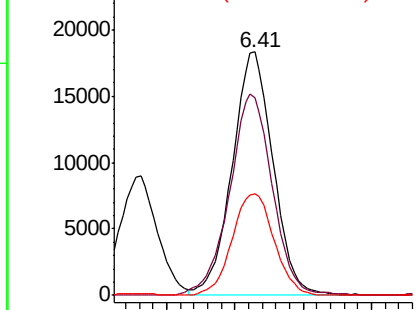
#35
Methylvlcyclohexane
Concen: 18.261 ug/L
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028890.D
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Instrument :
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ClientSampleId :
ETO85

Tot Ion: 83 Resp: 38183
Ion Ratio Lower Upper
83 100
55 86.6 63.7 95.5
98 42.7 35.6 53.4

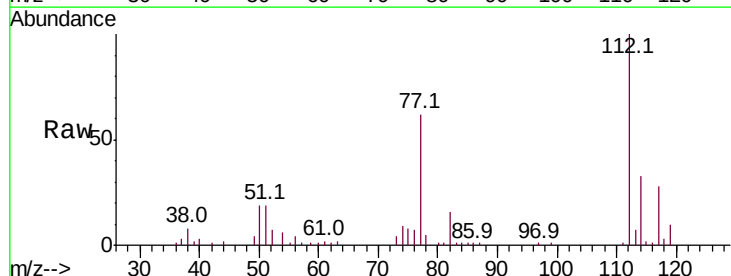


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

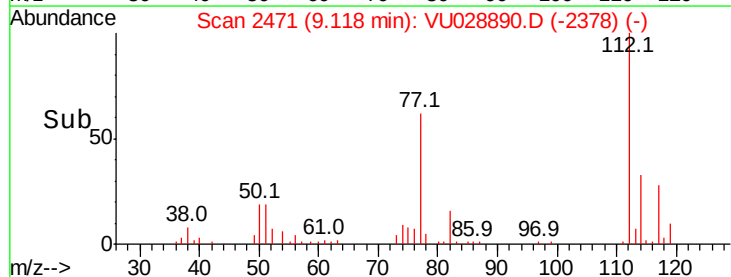
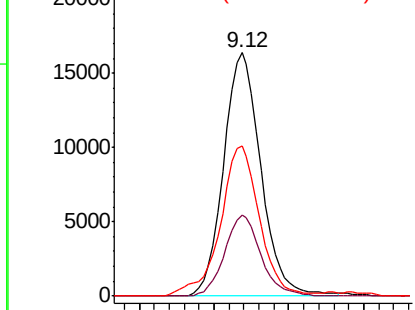


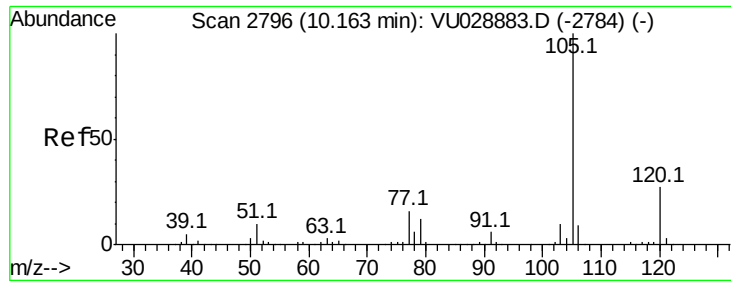
#51
Chlorobenzene
Concen: 8.563 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028890.D
Acq: 21 Dec 2018 21:52

Tgt Ion: 112 Resp: 28448
Ion Ratio Lower Upper
112 100
114 33.2 22.2 41.2
77 61.5 47.8 71.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0





#56

Isopropylbenzene

Concen: 5.900 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028890.D

Acq: 21 Dec 2018 21:52

Instrument :

MSVOA_U

ClientSampled :

ETO85

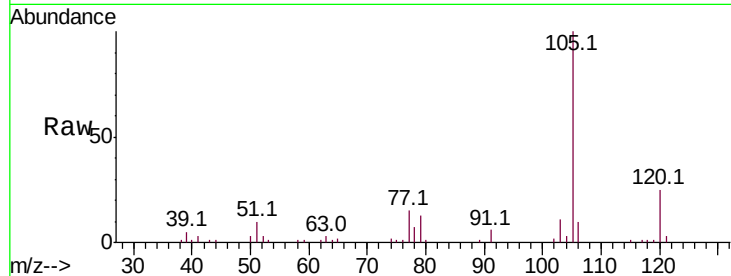
Tot Ion:105 Resp: 31420

Ion Ratio Lower Upper

105 100

120 25.8 21.4 32.2

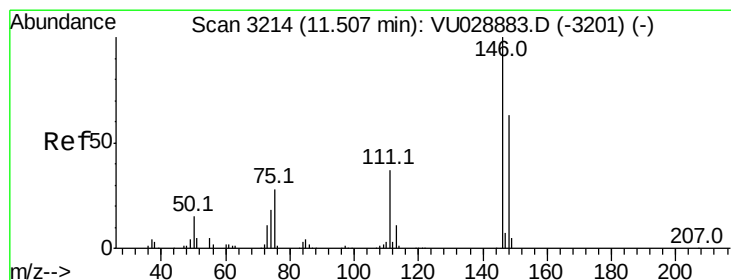
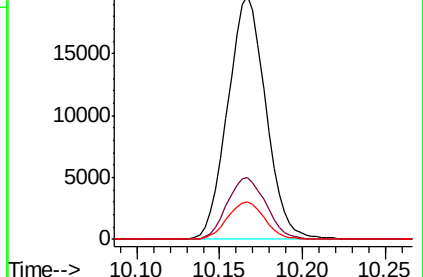
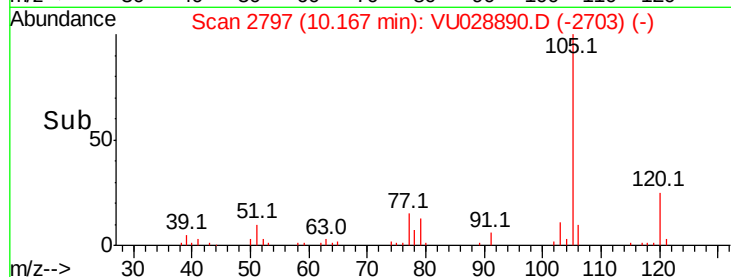
77 14.8 12.3 18.5



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): VU



#63

1,4-Dichlorobenzene

Concen: 2.492 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028890.D

Acq: 21 Dec 2018 21:52

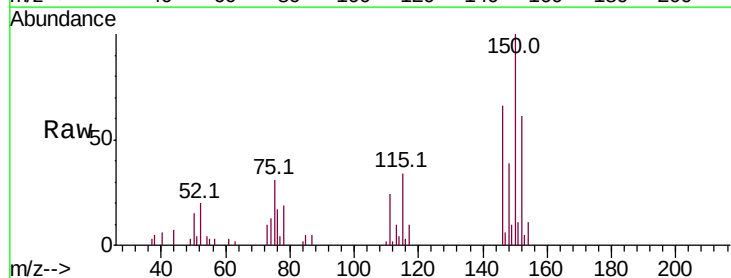
Tgt Ion:146 Resp: 5870

Ion Ratio Lower Upper

146 100

111 37.0 26.5 49.1

148 58.9 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

