

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

Quant Time: Dec 22 01:58:59 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

					Qvalue
3) Chloromethane	1.32	50	1390	0.735 ug/L	98
8) Chloroethane	1.68	64	1079	1.132 ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	682	0.617 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	760	0.695 ug/L #	1
13) Acetone	2.32	43	2180	2.234 ug/L	100
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
39) cis-1,3-Dichloropropene	7.23	75	1800	0.869 ug/L #	69
44) trans-1,3-Dichloropropene	7.85	75	1179	0.638 ug/L	89
45) 1,1,2-Trichloroethane	8.04	97	8204	6.601 ug/L #	19
48) 2-Hexanone	8.31	43	10181	6.349 ug/L #	62
51) Chlorobenzene	9.12	112	28448	8.563 ug/L	98
53) m,p-Xylene	9.38	106	1721	0.822 ug/L	86
56) Isopropylbenzene	10.17	105	31420	5.900 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	10377	5.982 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	5870	2.492 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122118\
Quantitation Report (Not Reviewed)

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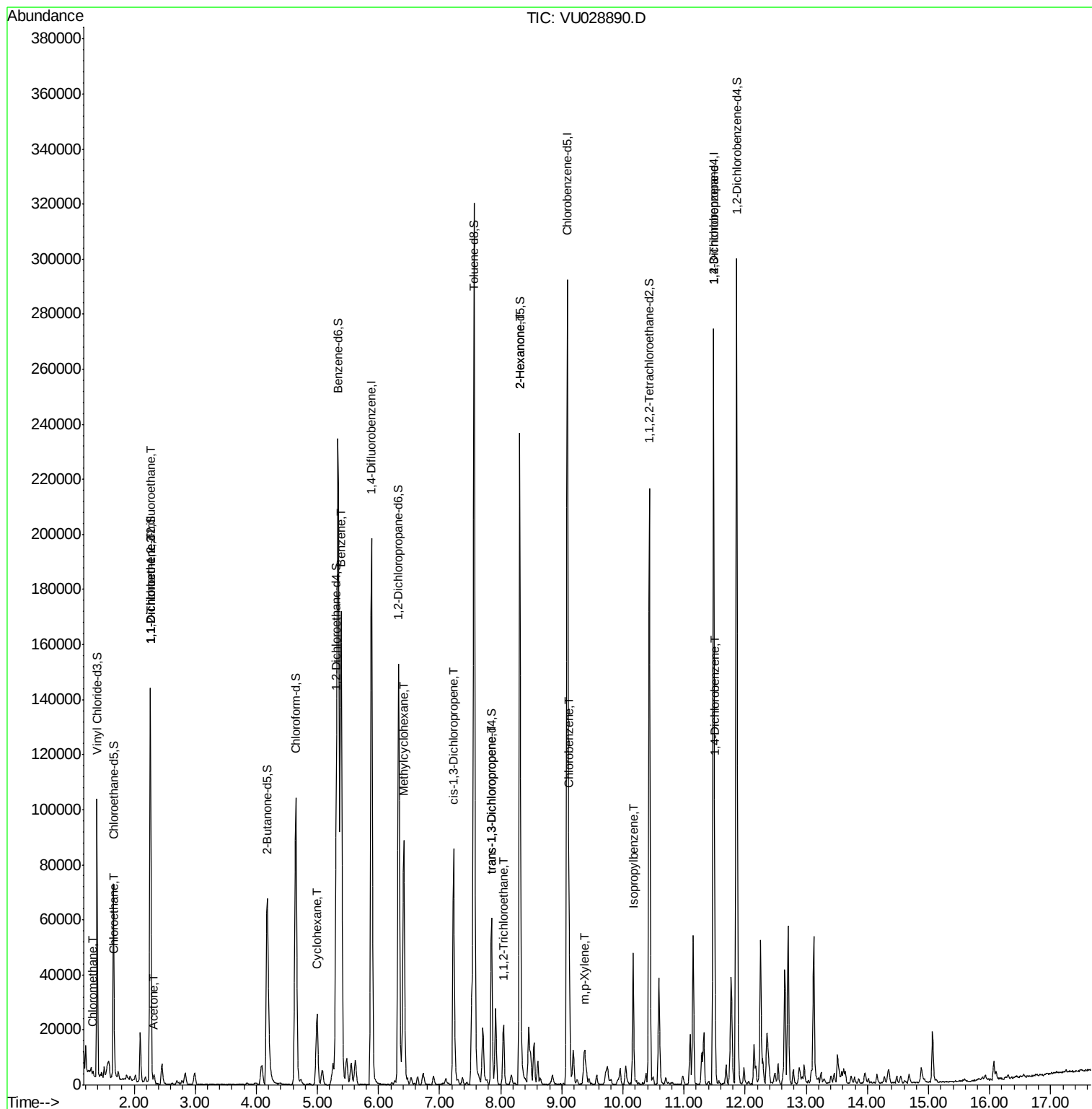
Quant Time: Dec 22 01:58:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 22 01:55:05 2018
Response via : Initial Calibration

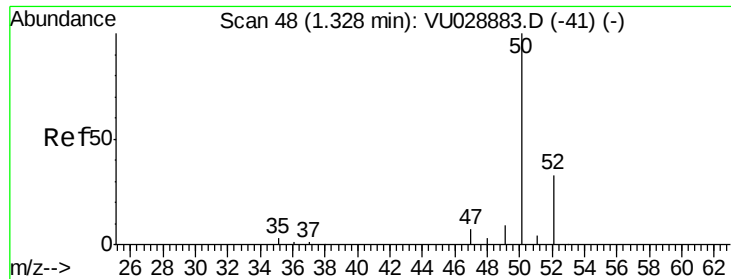
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.735 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028890.D

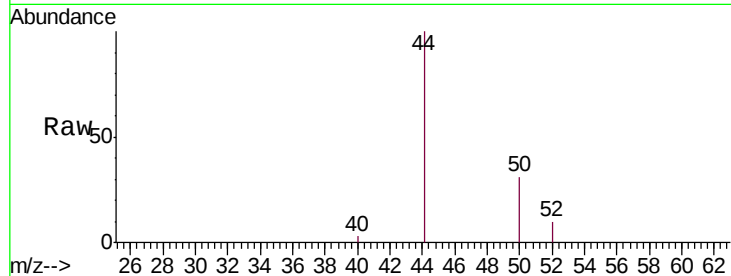
Acq: 21 Dec 2018 21:52

Tgt Ion: 50 Resp: 1390

Ion Ratio Lower Upper

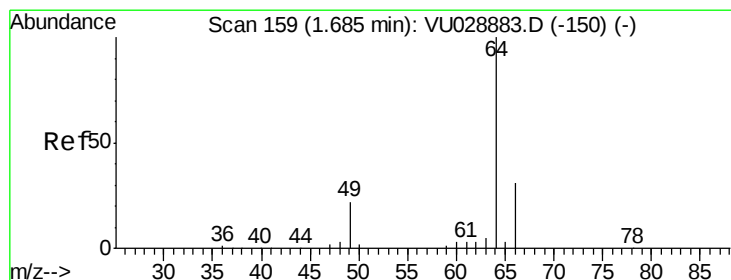
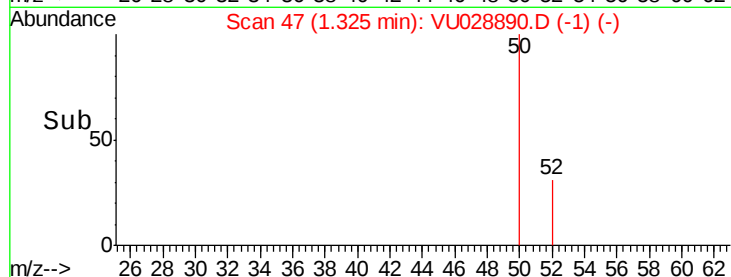
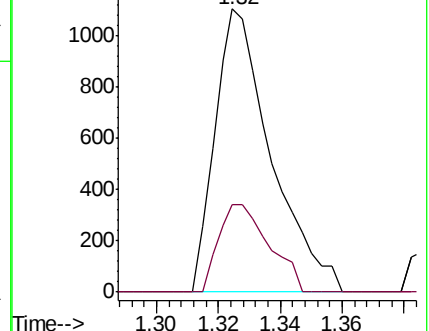
50 100

52 30.7 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#8

Chloroethane

Concen: 1.132 ug/L

RT: 1.68 min Scan# 159

Delta R.T. 0.00 min

Lab File: VU028890.D

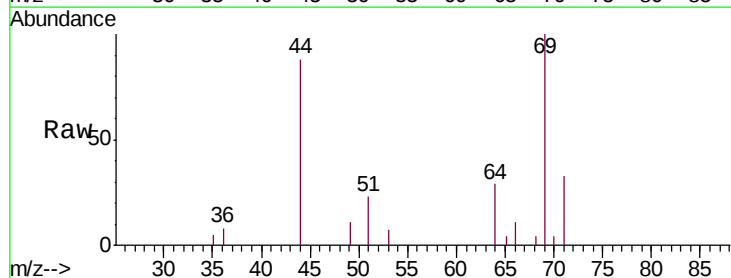
Acq: 21 Dec 2018 21:52

Tgt Ion: 64 Resp: 1079

Ion Ratio Lower Upper

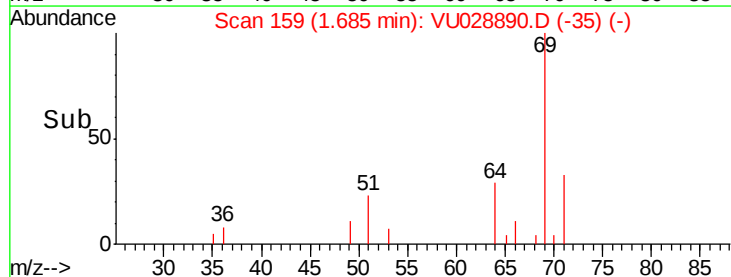
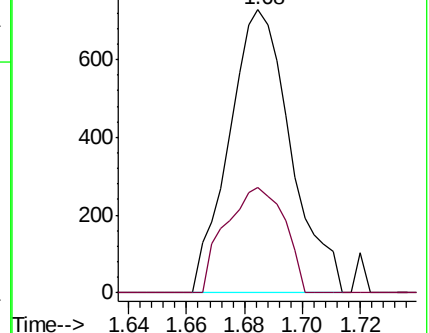
64 100

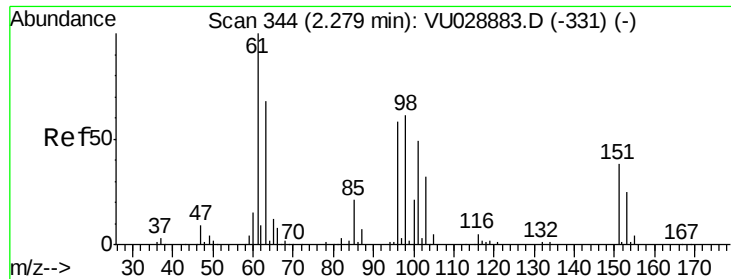
66 37.2 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.617 ug/L

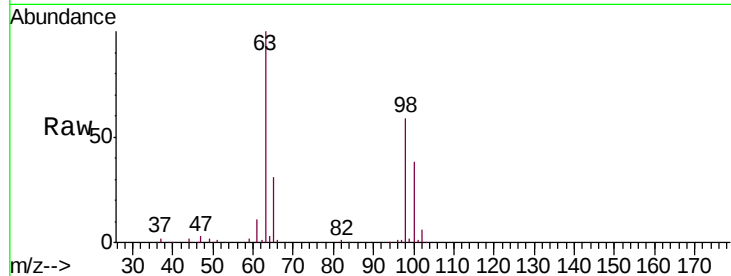
RT: 2.26 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU028890.D

Acq: 21 Dec 2018 21:52

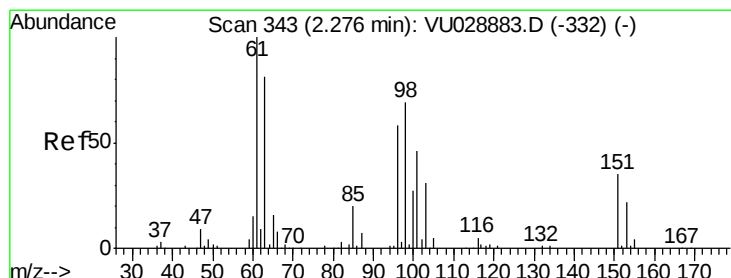
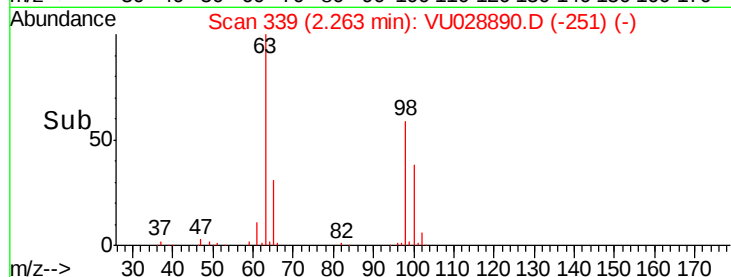
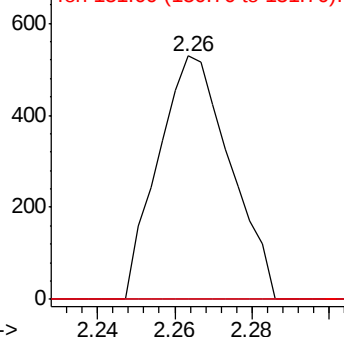
Tgt Ion:	101	Resp:	682
Ion	Ratio	Lower	Upper
101	100		
85	0.0	33.8	50.6#
151	0.0	59.4	89.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.695 ug/L

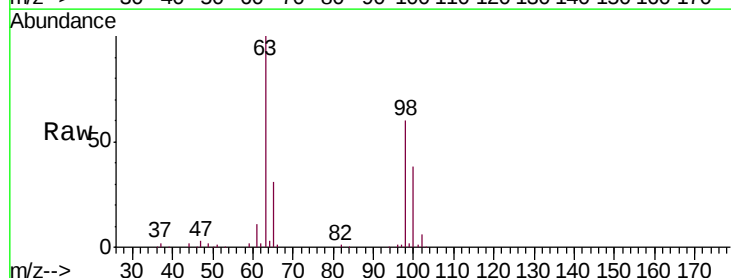
RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU028890.D

Acq: 21 Dec 2018 21:52

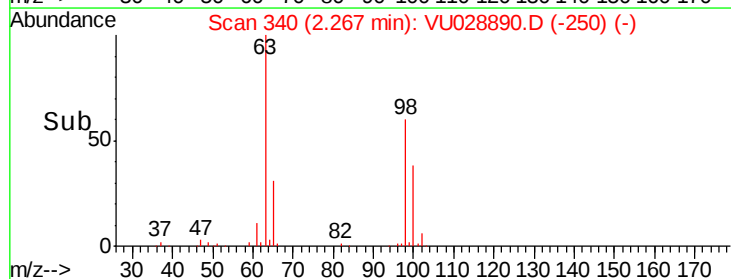
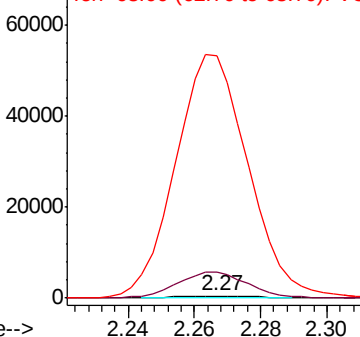
Tgt Ion:	96	Resp:	760
Ion	Ratio	Lower	Upper
96	100		
61	1272.1	119.3	221.5#
63	11887.5	107.4	199.6#

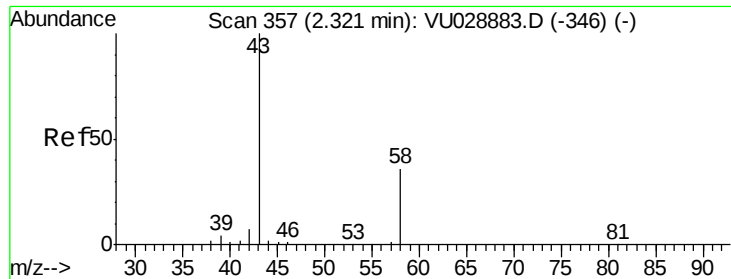


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.234 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028890.D

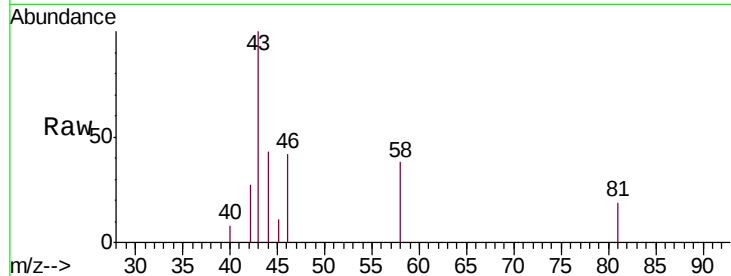
Acq: 21 Dec 2018 21:52

Tgt Ion: 43 Resp: 2180

Ion Ratio Lower Upper

43 100

58 35.0 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU028883.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VU028883.D (-346) (-)

2.32

1500

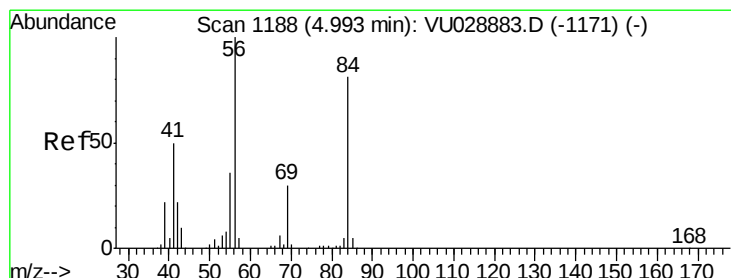
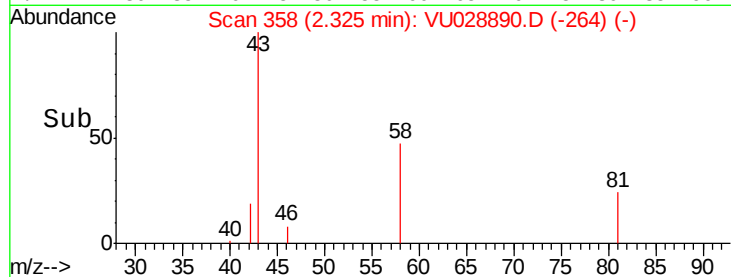
1000

500

0

Time-->

2.30 2.35



#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

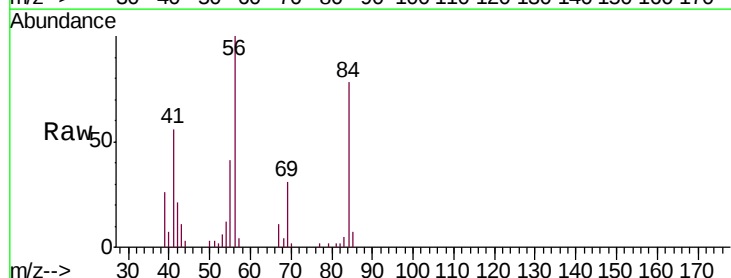
Tgt Ion: 56 Resp: 14451

Ion Ratio Lower Upper

56 100

69 28.9 23.8 35.8

84 81.2 63.8 95.8



Abundance Ion 56.00 (55.70 to 56.70): VU028883.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU028883.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU028883.D (-1171) (-)

8000

6000

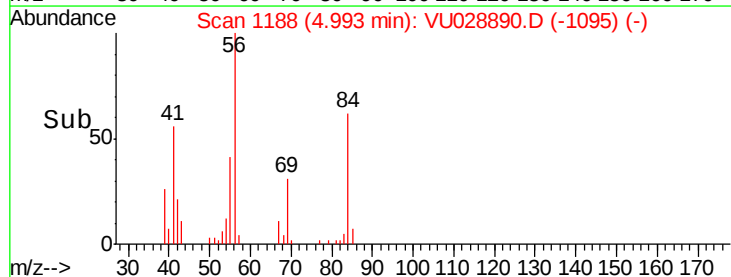
4000

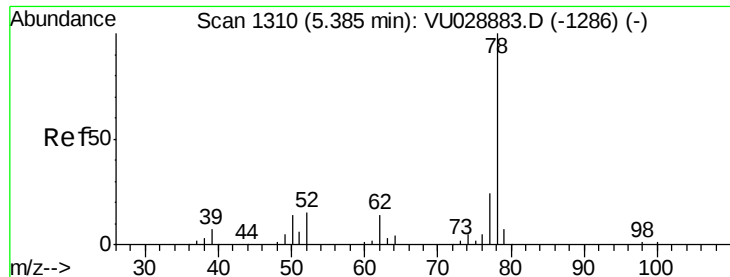
2000

0

Time-->

4.90 4.95 5.00 5.05





#33

Benzene

Concen: 33.705 ug/L

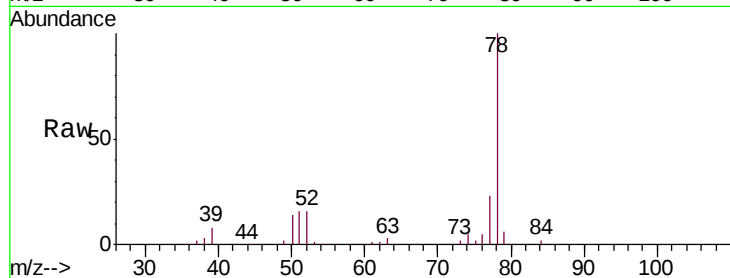
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

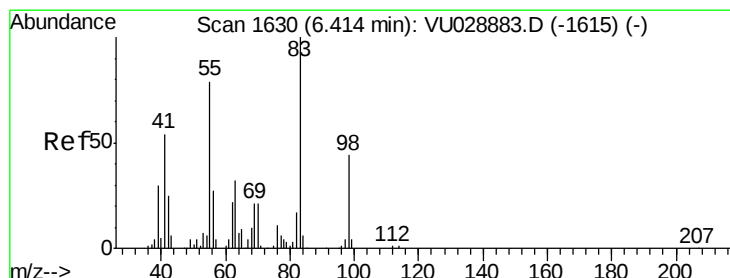
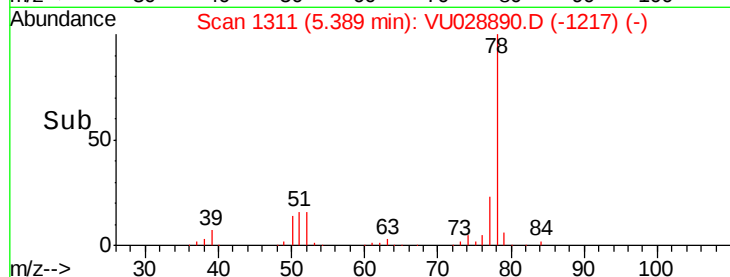
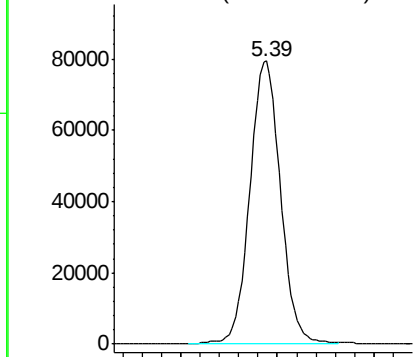
Lab File: VU028890.D

Acq: 21 Dec 2018 21:52

Tgt Ion: 78 Resp: 175275



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 18.261 ug/L

RT: 6.41 min Scan# 1630

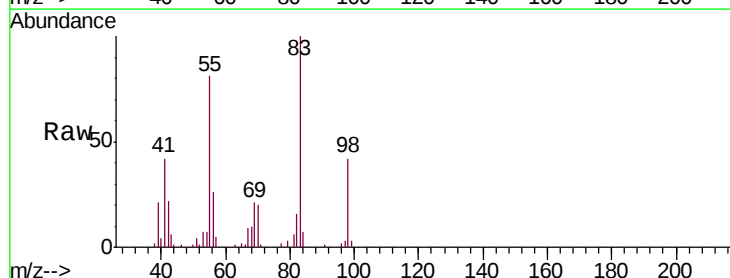
Delta R.T. 0.00 min

Lab File: VU028890.D

Acq: 21 Dec 2018 21:52

Tgt Ion: 83 Resp: 38183

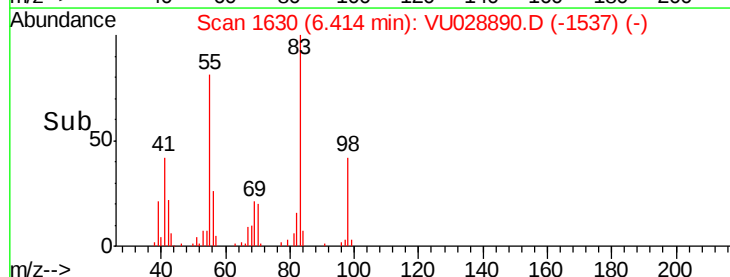
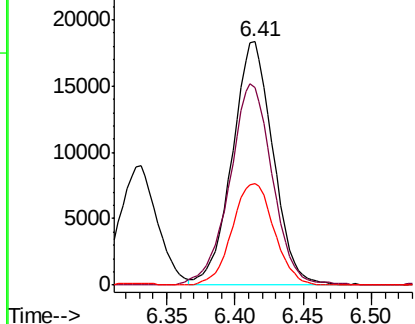
Ion	Ratio	Lower	Upper
83	100		
55	86.6	63.7	95.5
98	42.7	35.6	53.4

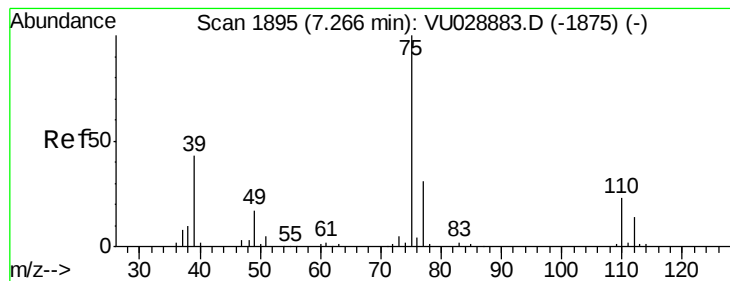


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

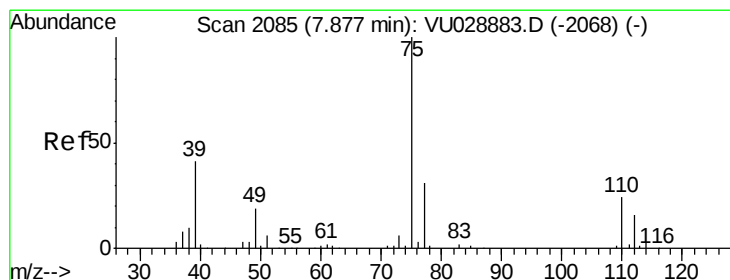
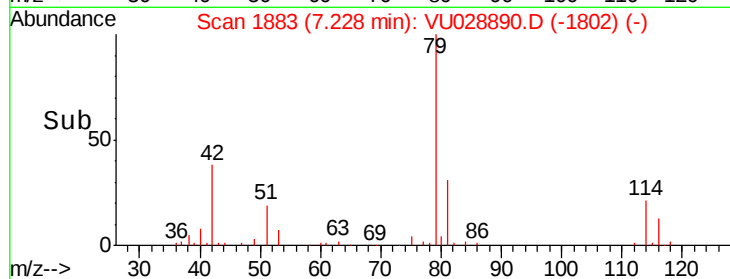
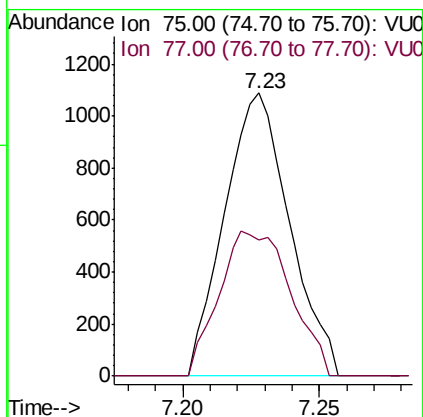
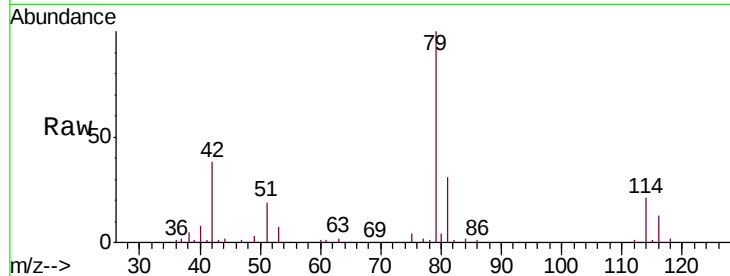




#39

cis-1,3-Dichloropropene
Concen: 0.869 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU028890.D
Acq: 21 Dec 2018 21:52

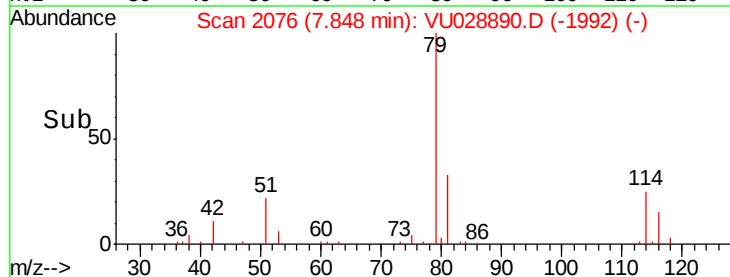
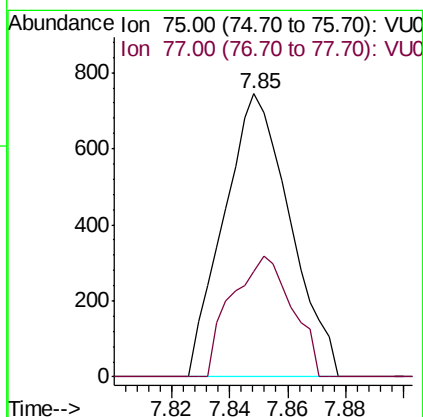
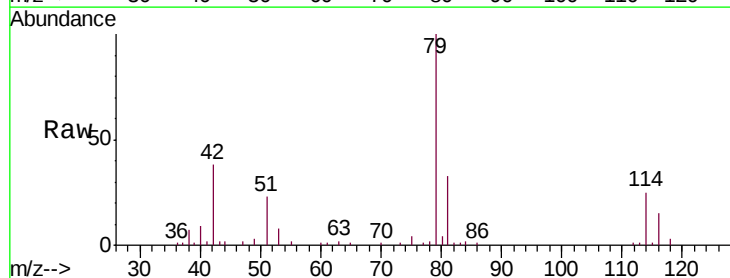
Tgt Ion: 75 Resp: 1800
Ion Ratio Lower Upper
75 100
77 48.3 21.8 40.6#

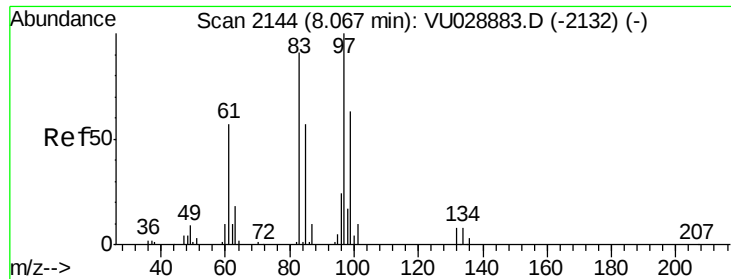


#44

trans-1,3-Dichloropropene
Concen: 0.638 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU028890.D
Acq: 21 Dec 2018 21:52

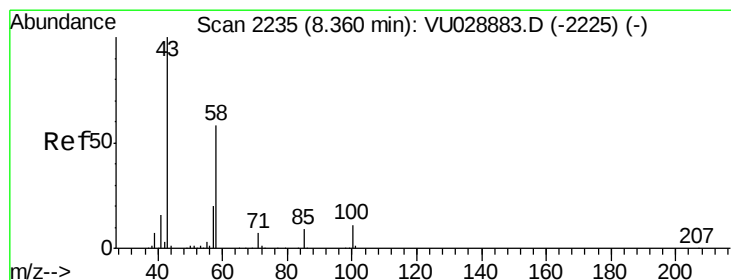
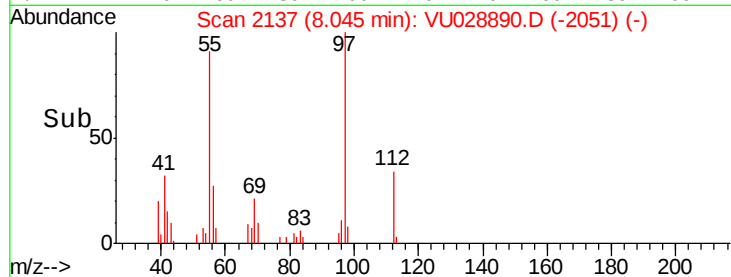
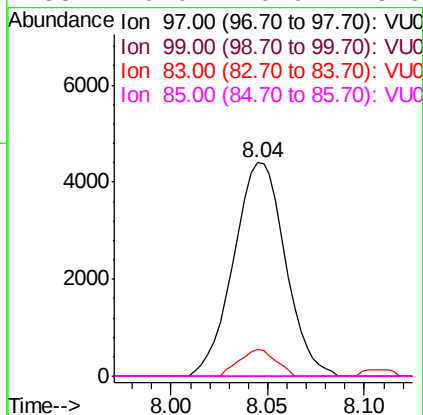
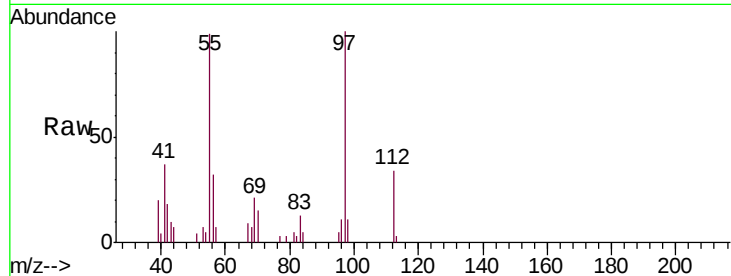
Tgt Ion: 75 Resp: 1179
Ion Ratio Lower Upper
75 100
77 37.5 21.8 40.6





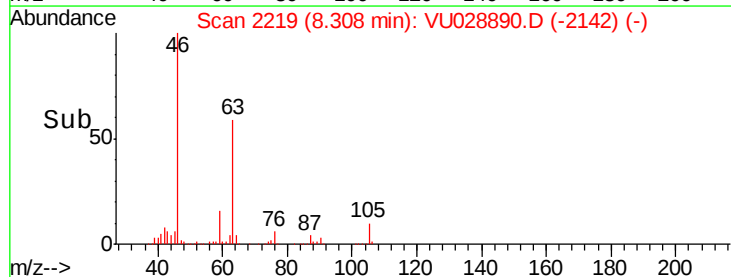
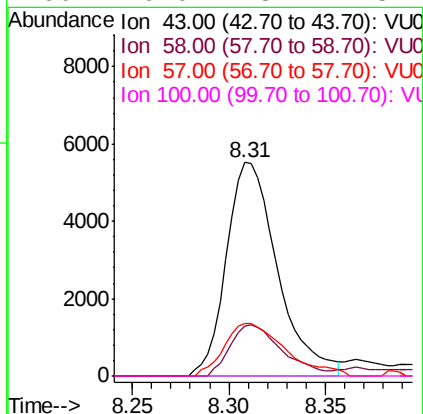
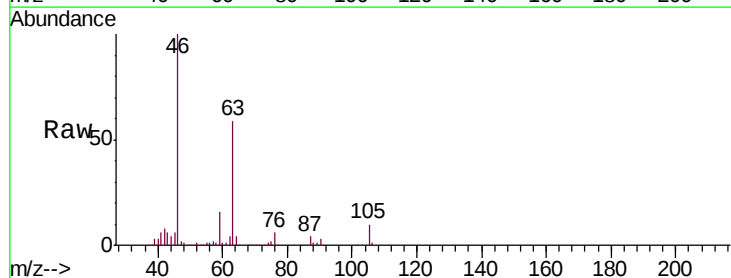
#45
 1,1,2-Trichloroethane
 Concen: 6.601 ug/L
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028890.D
 Acq: 21 Dec 2018 21:52

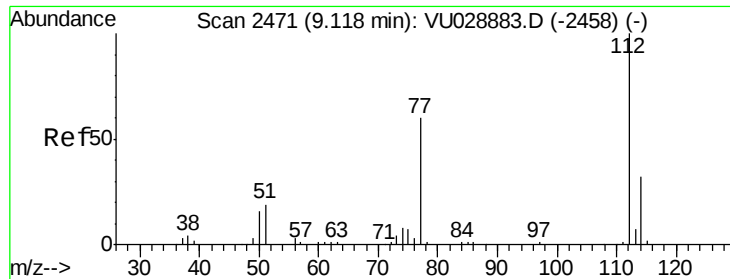
Tgt Ion:	97	Resp:	8204
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.2	82.2#
83	12.8	64.5	119.9#
85	0.0	40.9	75.9#



#48
 2-Hexanone
 Concen: 6.349 ug/L
 RT: 8.31 min Scan# 2219
 Delta R.T. -0.05 min
 Lab File: VU028890.D
 Acq: 21 Dec 2018 21:52

Tgt Ion:	43	Resp:	10181
Ion	Ratio	Lower	Upper
43	100		
58	24.3	45.9	68.9#
57	29.2	15.0	22.4#
100	0.0	8.7	13.1#





#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

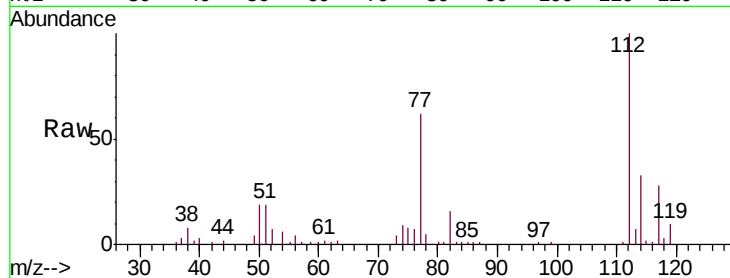
Tgt Ion:112 Resp: 28448

Ion Ratio Lower Upper

112 100

114 33.2 22.2 41.2

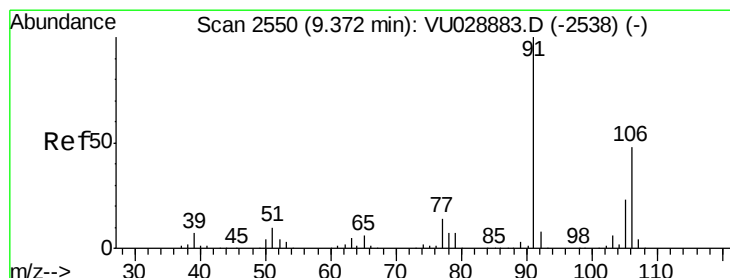
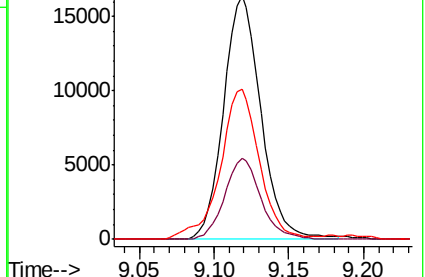
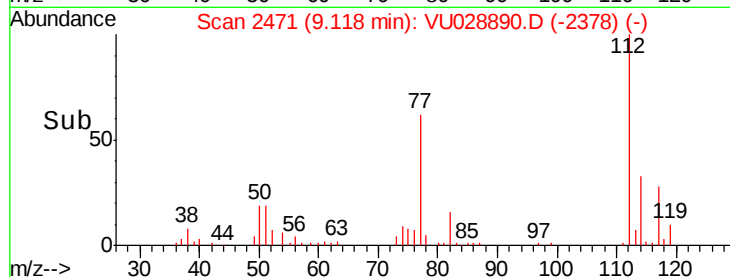
77 61.5 47.8 71.8



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



#53

m,p-Xylene

Concen: 0.822 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VU028890.D

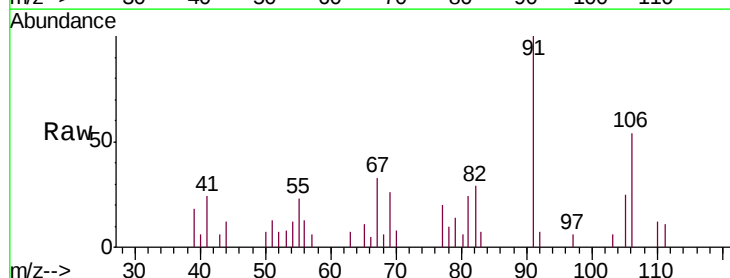
Acq: 21 Dec 2018 21:52

Tgt Ion:106 Resp: 1721

Ion Ratio Lower Upper

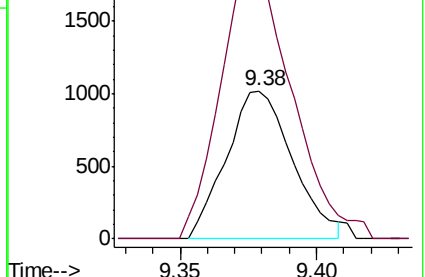
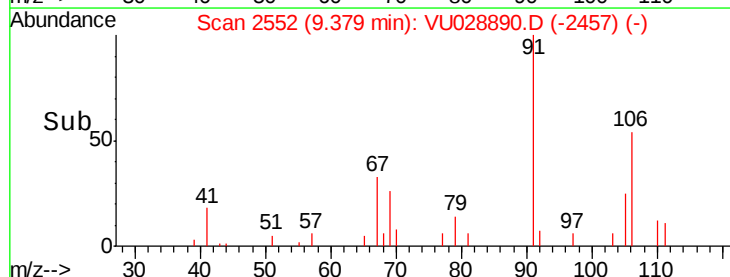
106 100

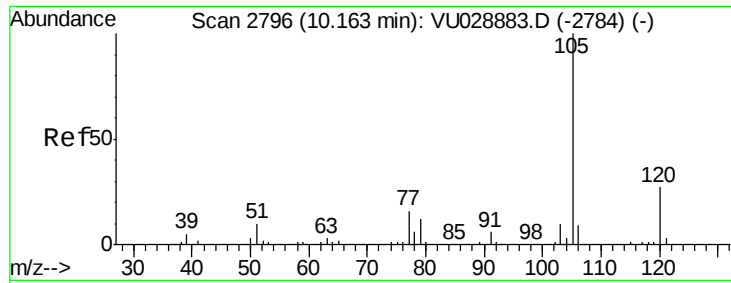
91 184.8 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

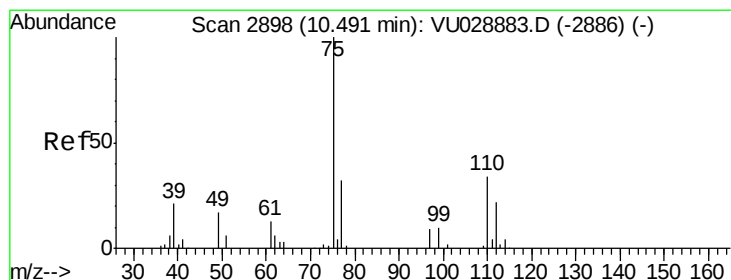
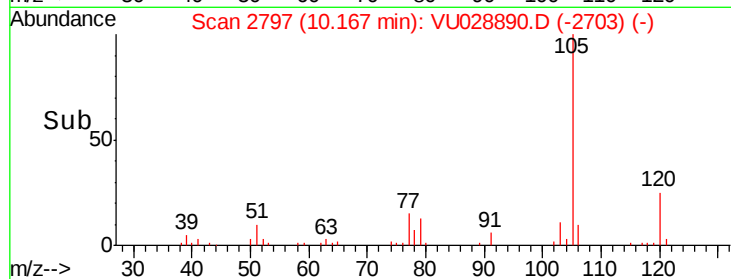
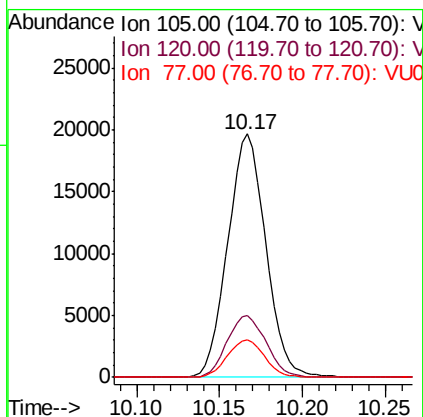
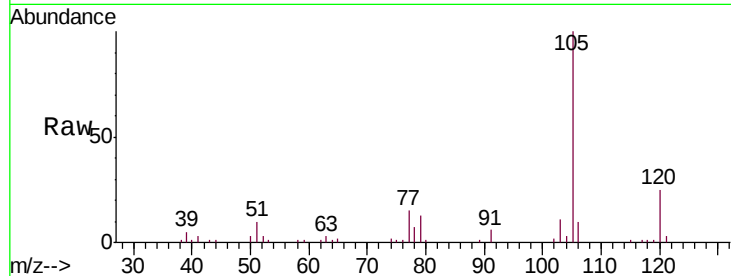
Ion 91.00 (90.70 to 91.70): VU0





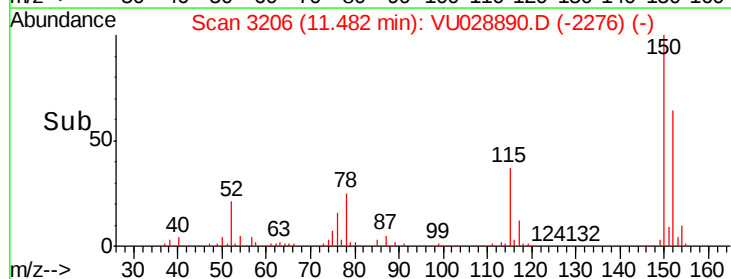
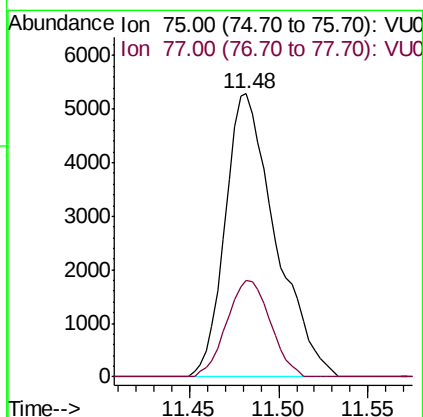
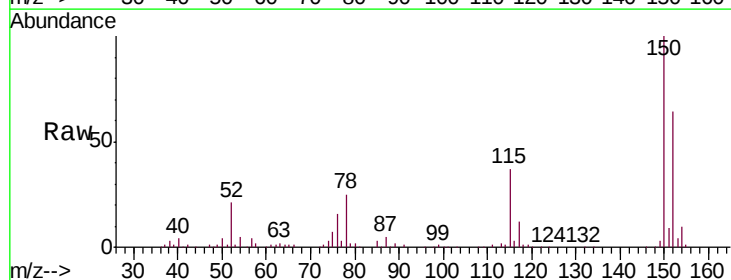
#56
Isopropylbenzene
Concen: 5.900 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028890.D
Acq: 21 Dec 2018 21:52

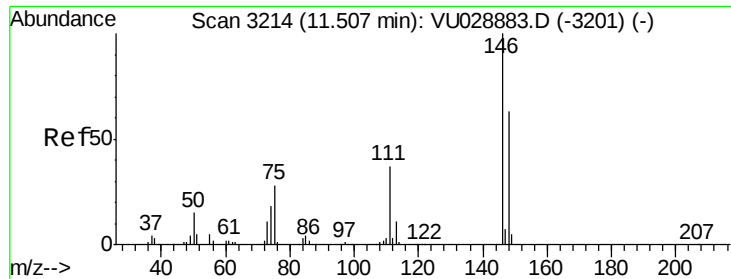
Tgt Ion: 105 Resp: 31420
Ion Ratio Lower Upper
105 100
120 25.8 21.4 32.2
77 14.8 12.3 18.5



#59
1,2,3-Trichloropropane
Concen: 5.982 ug/L
RT: 11.48 min Scan# 3206
Delta R.T. 0.99 min
Lab File: VU028890.D
Acq: 21 Dec 2018 21:52

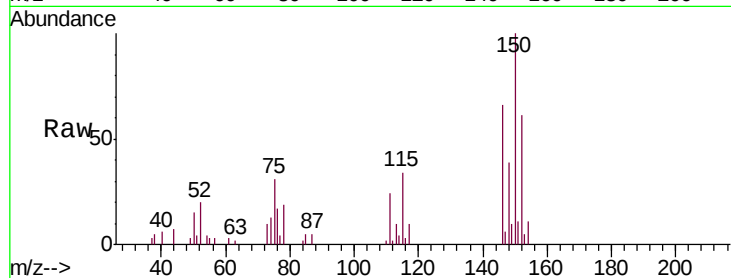
Tgt Ion: 75 Resp: 10377
Ion Ratio Lower Upper
75 100
77 29.5 25.5 38.3





#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

