

Data File : VU028887.D
Acq On : 21 Dec 2018 20:39
Operator : MD/SY
Sample : J6509-02MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 22 01:58:33 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	176113	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	165345	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68043	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62244	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.18%
7) Chloroethane-d5	1.66	69	50702	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.98%
11) 1,1-Dichloroethene-d2	2.27	63	91722	38.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.26%
21) 2-Butanone-d5	4.18	46	115985	117.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.25%
24) Chloroform-d	4.65	84	108547	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
26) 1,2-Dichloroethane-d4	5.31	65	69657	50.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.80%
32) Benzene-d6	5.34	84	240042	51.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.78%
36) 1,2-Dichloropropane-d6	6.33	67	84546	53.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.56%
41) Toluene-d8	7.56	98	209919	49.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.18%
43) trans-1,3-Dichloropropene-	7.85	79	35713	50.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.44%
47) 2-Hexanone-d5	8.31	63	89904	119.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112756	51.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	75028	54.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.04%

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1372	0.703	ug/L	92
8) Chloroethane	1.40	64	941	0.956	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	790	0.692	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	17648	15.629	ug/L #	40
13) Acetone	2.32	43	3242	3.216	ug/L	93
27) 1,2-Dichloroethane	5.39	62	933	0.555	ug/L #	74
33) Benzene	5.39	78	111769	21.233	ug/L	100
34) Trichloroethene	6.19	95	25384	19.974	ug/L	98
35) Methylcyclohexane	6.33	83	17433	8.236	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7860	5.342	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1672	0.797	ug/L #	47
42) Toluene	7.64	91	119049	22.310	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	1240	0.663	ug/L	94
48) 2-Hexanone	8.31	43	9537	5.875	ug/L #	65
51) Chlorobenzene	9.12	112	84427	25.105	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	8254	4.700	ug/L	96

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

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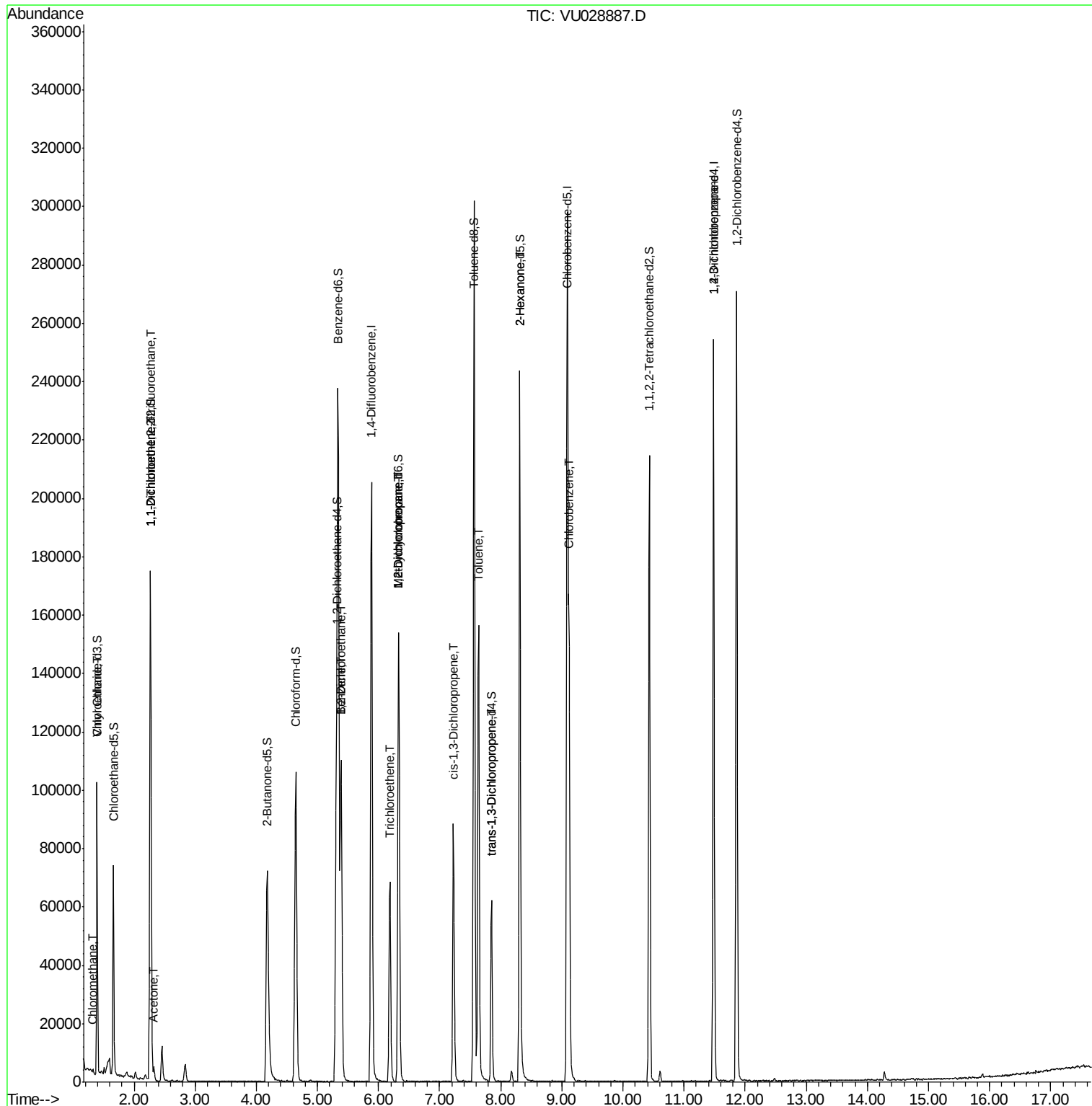
Quant Time: Dec 22 01:58:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 22 01:55:05 2018
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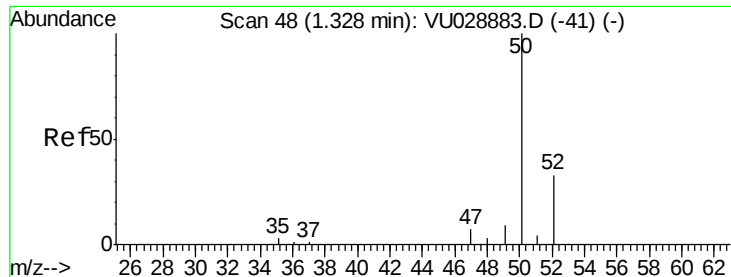
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.703 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028887.D

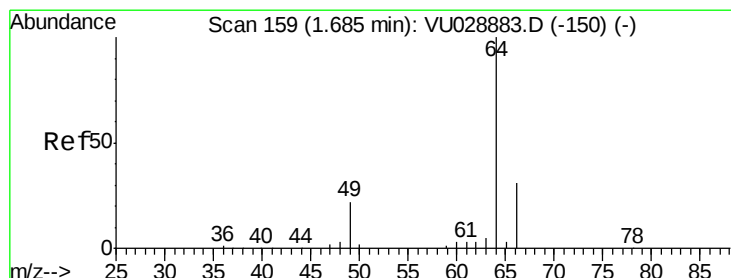
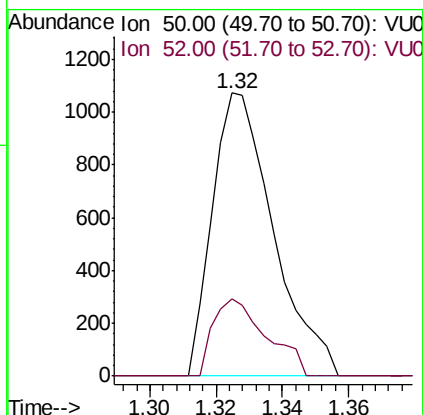
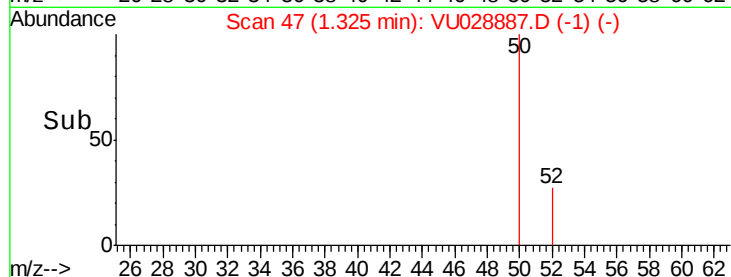
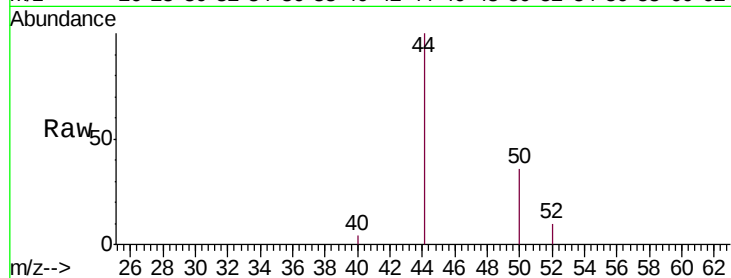
Acq: 21 Dec 2018 20:39

Tgt Ion: 50 Resp: 1372

Ion Ratio Lower Upper

50 100

52 27.1 22.3 41.3



#8

Chloroethane

Concen: 0.956 ug/L

RT: 1.40 min Scan# 69

Delta R.T. -0.29 min

Lab File: VU028887.D

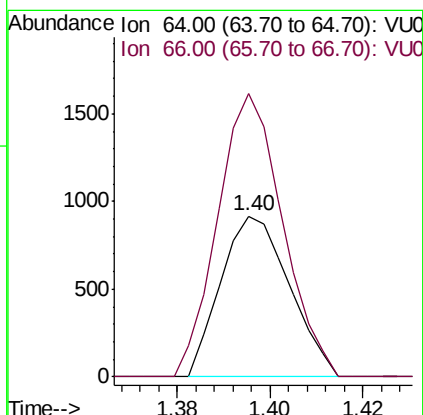
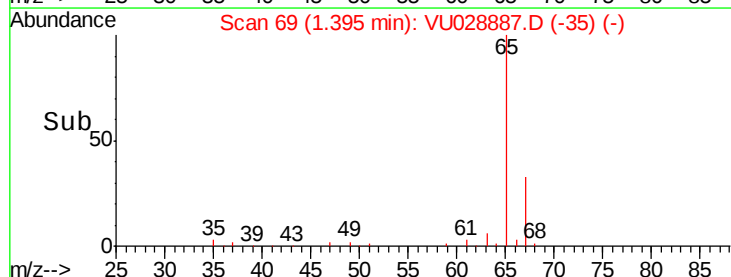
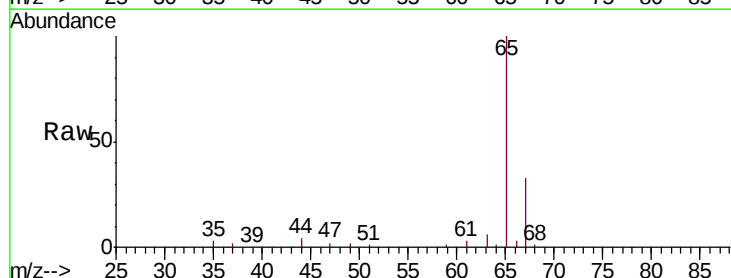
Acq: 21 Dec 2018 20:39

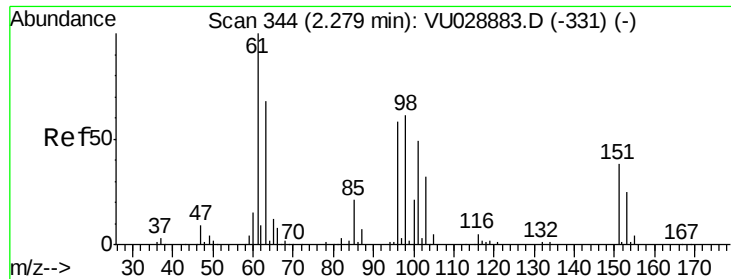
Tgt Ion: 64 Resp: 941

Ion Ratio Lower Upper

64 100

66 176.1 21.5 39.9#





#10

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

Concen: 0.692 ug/L

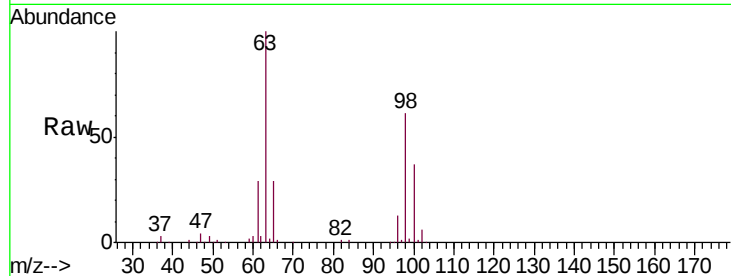
RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

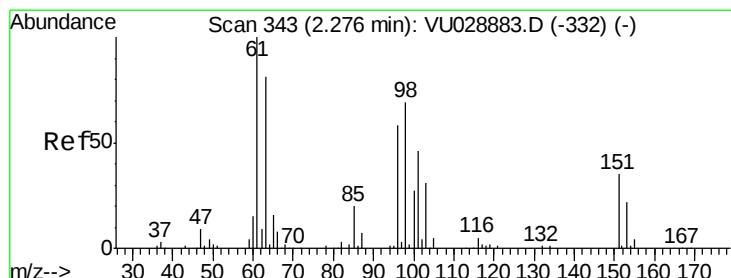
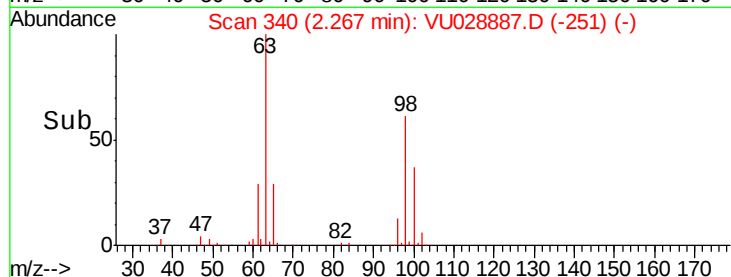
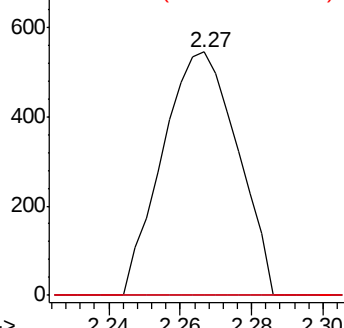
Lab File: VU028887.D

Acq: 21 Dec 2018 20:39

Tgt Ion:	101	Resp:	790
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: 15.629 ug/L

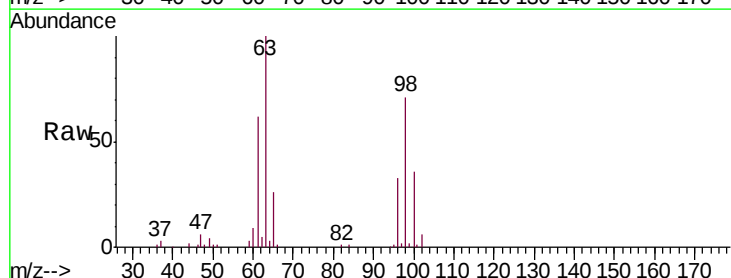
RT: 2.28 min Scan# 343

Delta R.T. 0.00 min

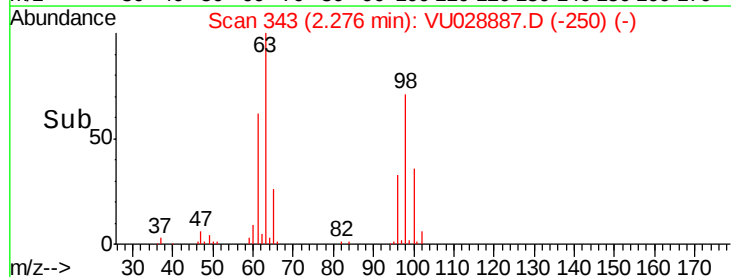
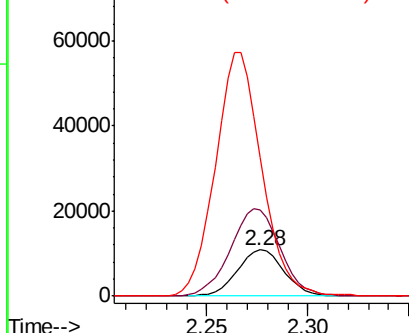
Lab File: VU028887.D

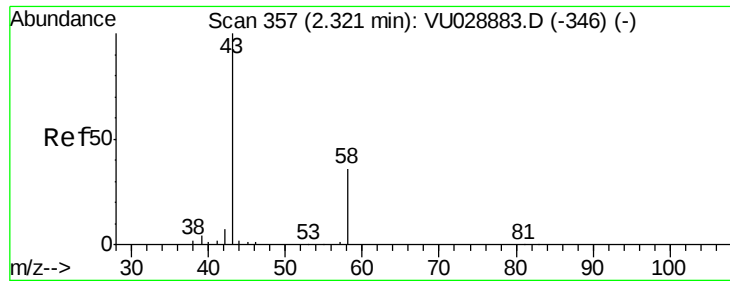
Acq: 21 Dec 2018 20:39

Tgt Ion:	96	Resp:	17648
Ion	Ratio	Lower	Upper
96	100		
61	186.4	119.3	221.5
63	298.6	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: 3.216 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028887.D

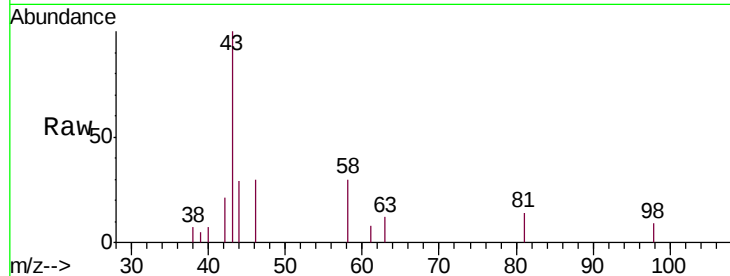
Acq: 21 Dec 2018 20:39

Tgt Ion: 43 Resp: 3242

Ion Ratio Lower Upper

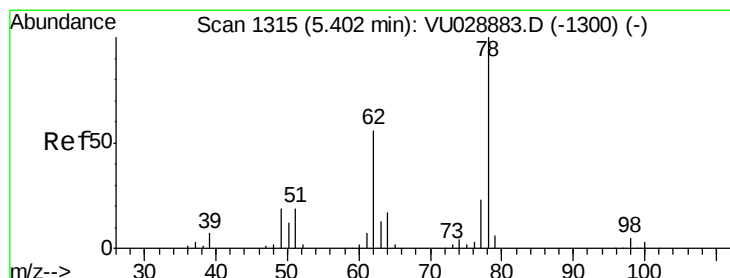
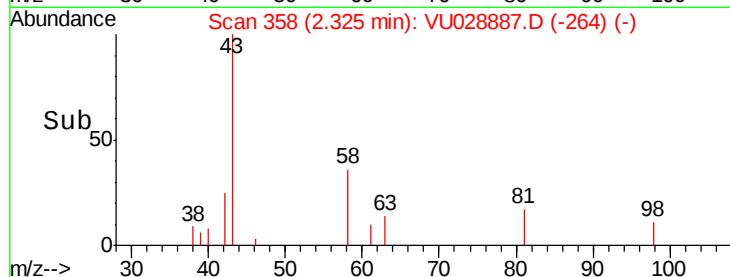
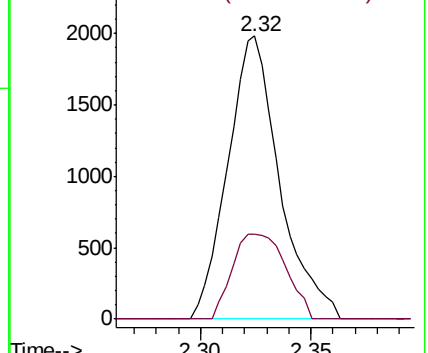
43 100

58 30.9 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) (-)



#27

1,2-Dichloroethane

Concen: 0.555 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VU028887.D

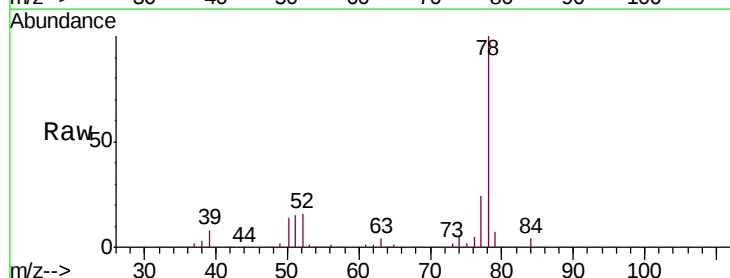
Acq: 21 Dec 2018 20:39

Tgt Ion: 62 Resp: 933

Ion Ratio Lower Upper

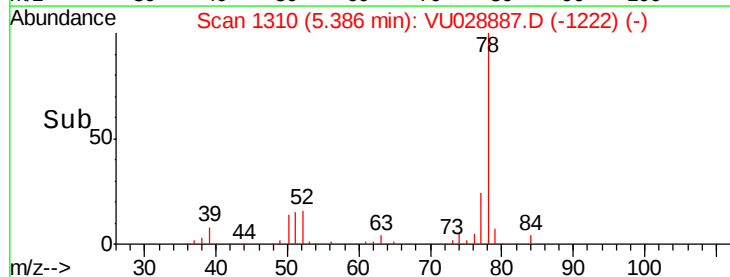
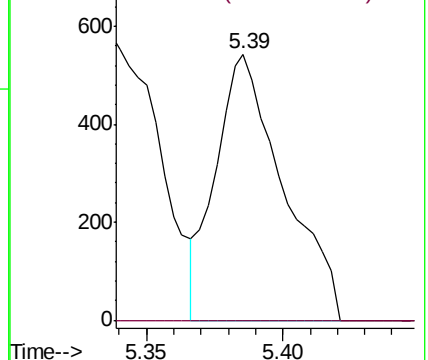
62 100

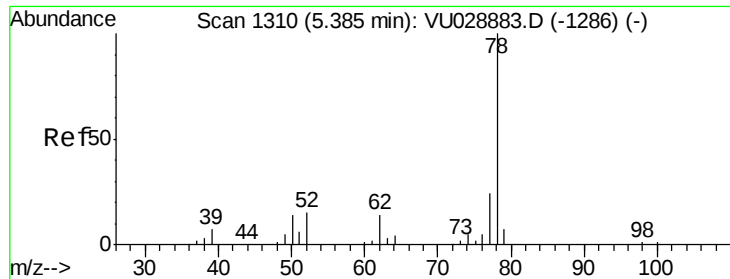
98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU028883.D (-1300) (-)

Ion 98.00 (97.70 to 98.70): VU028883.D (-1300) (-)





#33

Benzene

Concen: 21.233 ug/L

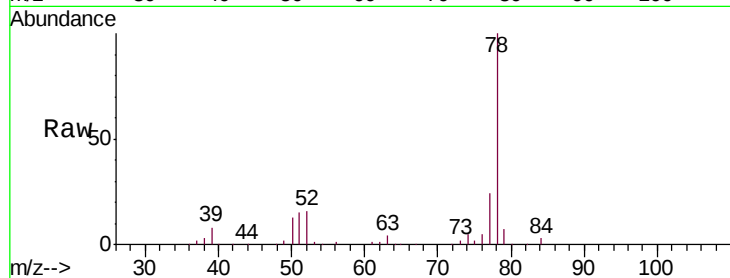
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

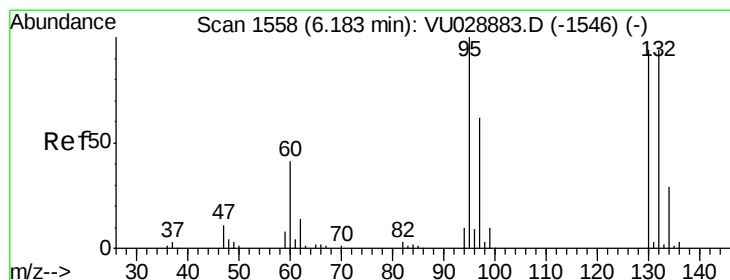
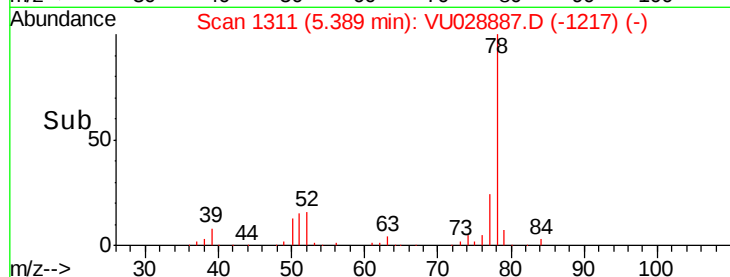
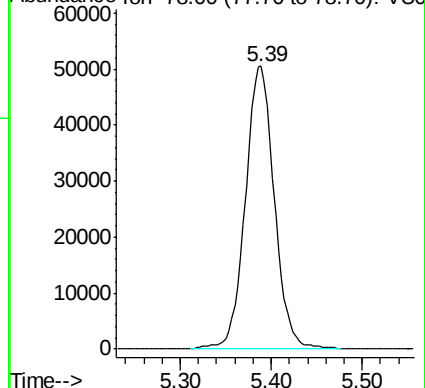
Lab File: VU028887.D

Acq: 21 Dec 2018 20:39

Tgt Ion: 78 Resp: 111769



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 19.974 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028887.D

Acq: 21 Dec 2018 20:39

Tgt Ion: 95 Resp: 25384

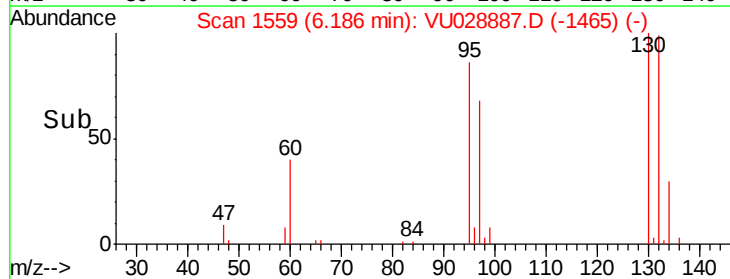
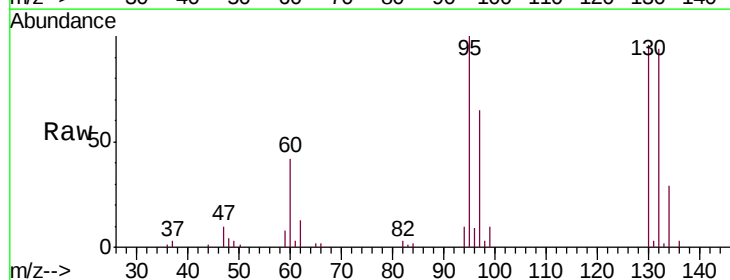
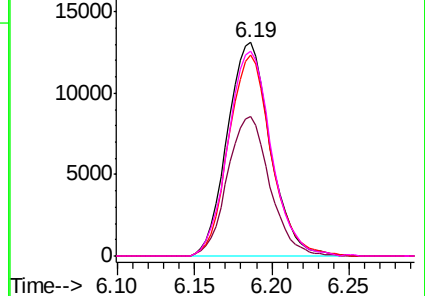
Ion	Ratio	Lower	Upper
95	100		
97	65.2	43.3	80.3
132	94.2	64.2	119.2
130	95.7	67.1	124.7

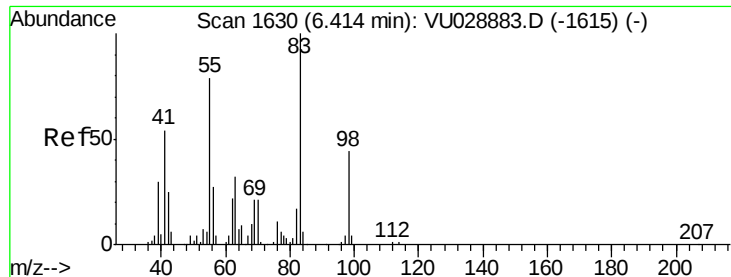
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#35

Methylcyclohexane

Concen: 8.236 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028887.D

Acq: 21 Dec 2018 20:39

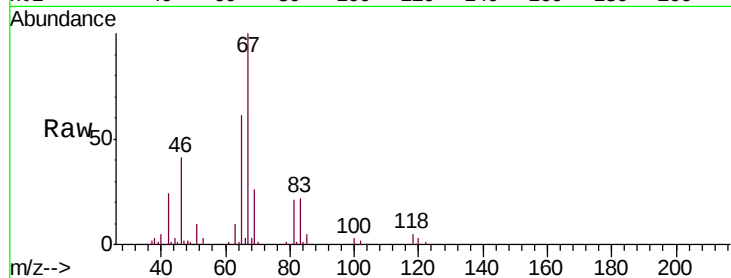
Tgt Ion: 83 Resp: 17433

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

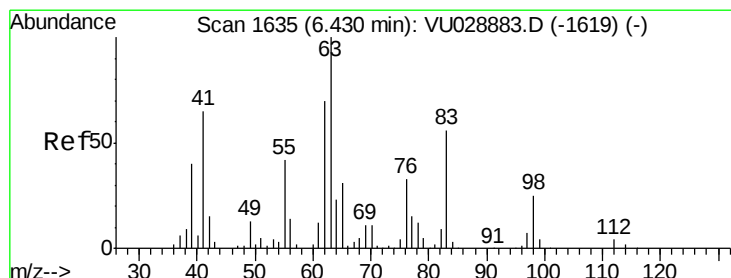
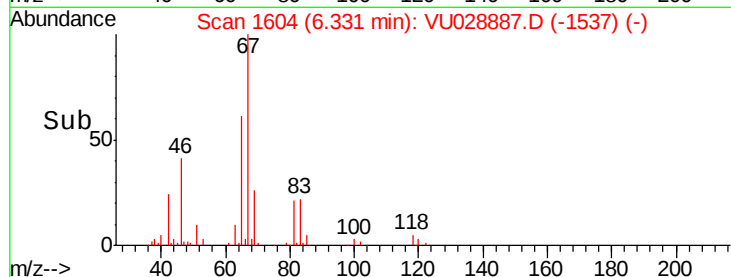
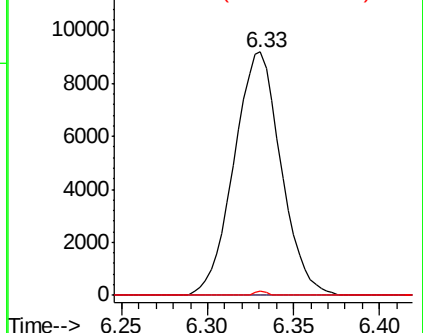
98 0.4 35.6 53.4#



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: 5.342 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU028887.D

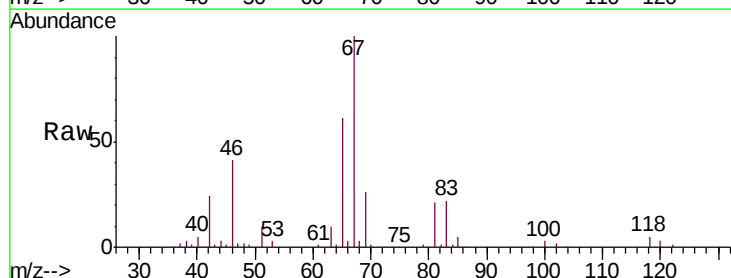
Acq: 21 Dec 2018 20:39

Tgt Ion: 63 Resp: 7860

Ion Ratio Lower Upper

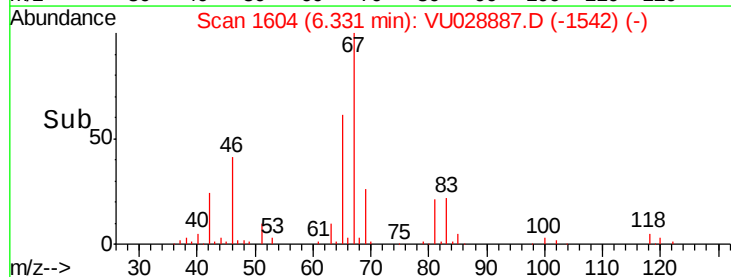
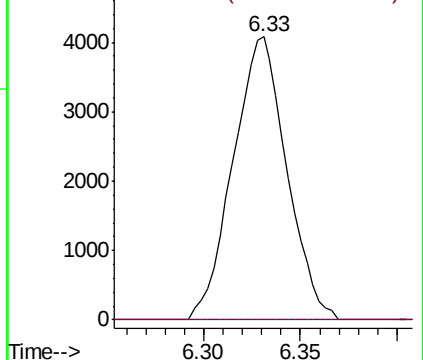
63 100

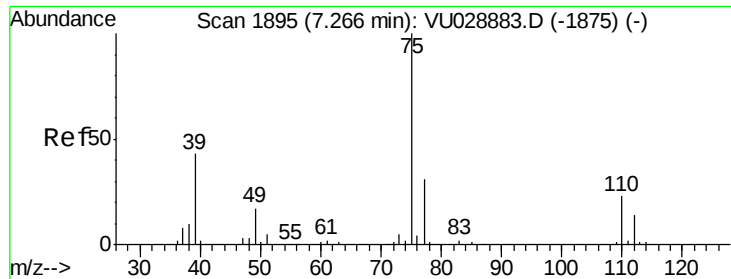
112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

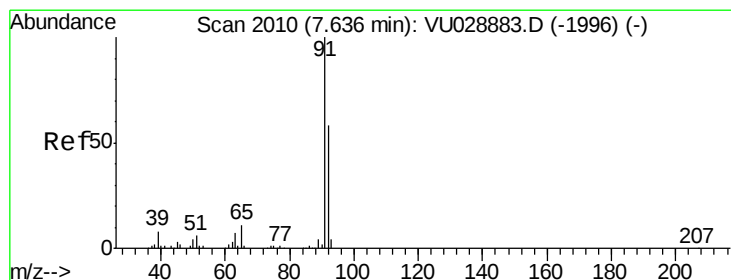
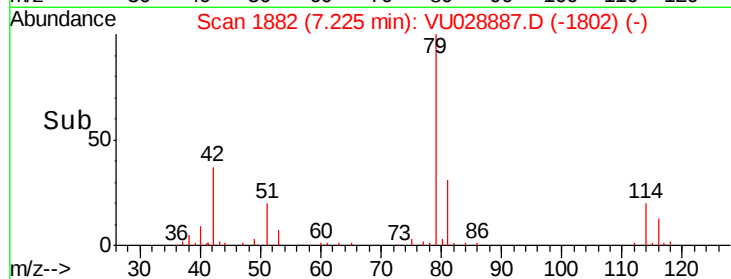
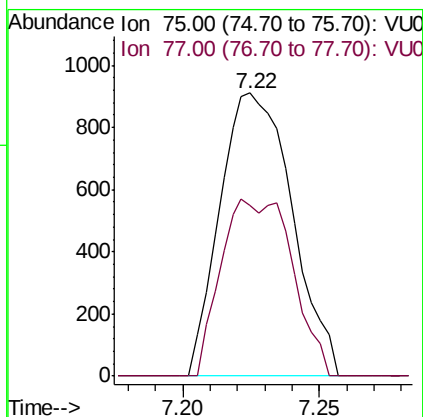
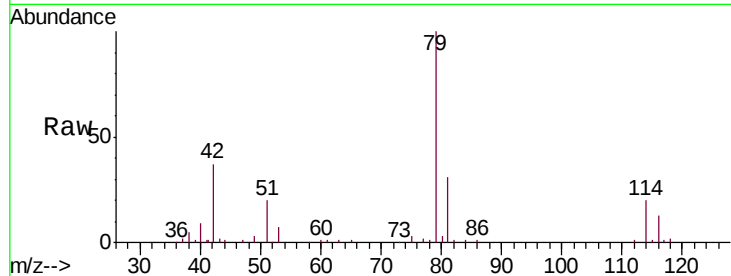




#39

cis-1,3-Dichloropropene
Concen: 0.797 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.04 min
Lab File: VU028887.D
Acq: 21 Dec 2018 20:39

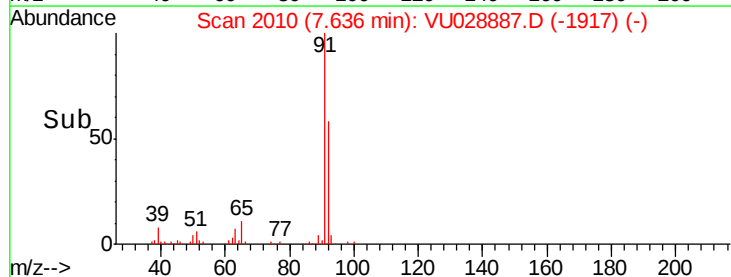
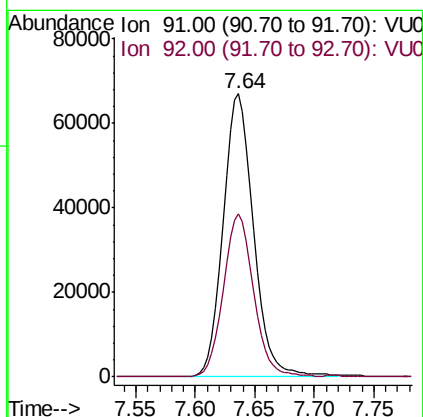
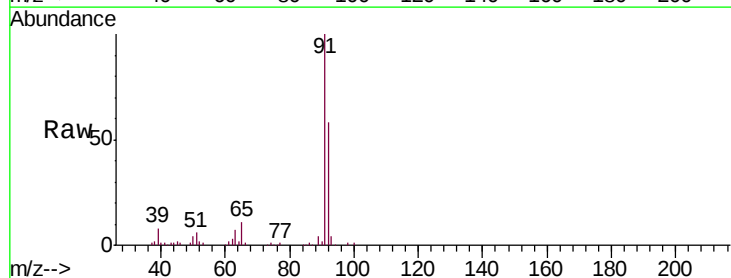
Tgt Ion: 75 Resp: 1672
Ion Ratio Lower Upper
75 100
77 60.4 21.8 40.6#

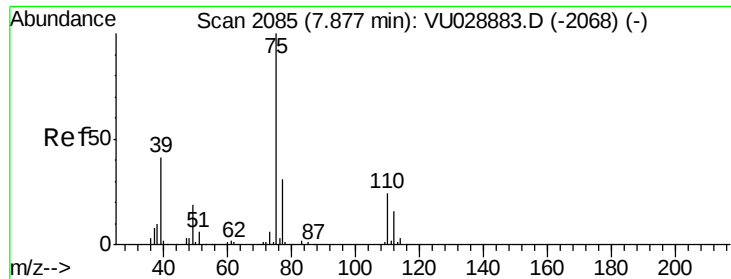


#42

Toluene
Concen: 22.310 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU028887.D
Acq: 21 Dec 2018 20:39

Tgt Ion: 91 Resp: 119049
Ion Ratio Lower Upper
91 100
92 57.6 39.9 74.1





#44

trans-1,3-Dichloropropene

Concen: 0.663 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028887.D

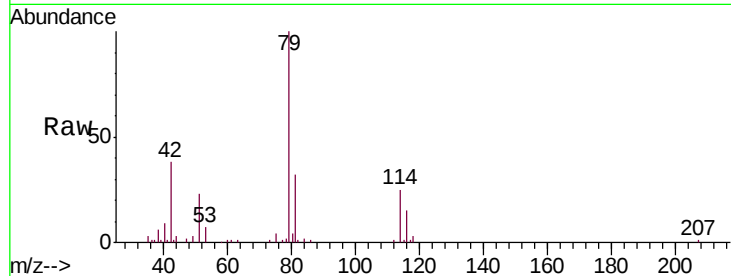
Acq: 21 Dec 2018 20:39

Tgt Ion: 75 Resp: 1240

Ion Ratio Lower Upper

75 100

77 28.1 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

1000

800

600

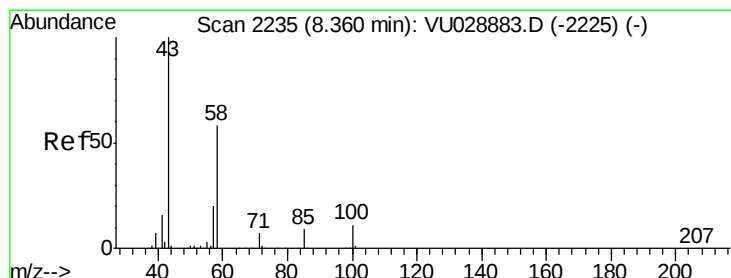
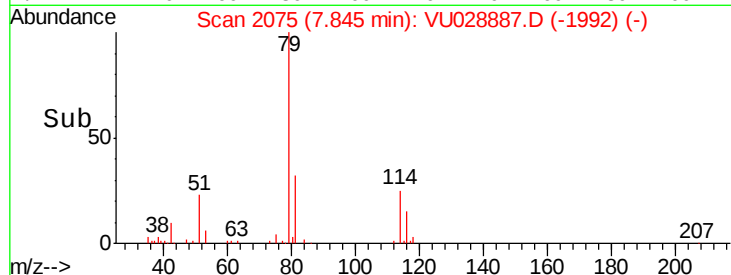
400

200

0

7.82 7.84 7.86 7.88

Time-->



#48

2-Hexanone

Concen: 5.875 ug/L

RT: 8.31 min Scan# 2219

Delta R.T. -0.05 min

Lab File: VU028887.D

Acq: 21 Dec 2018 20:39

Tgt Ion: 43 Resp: 9537

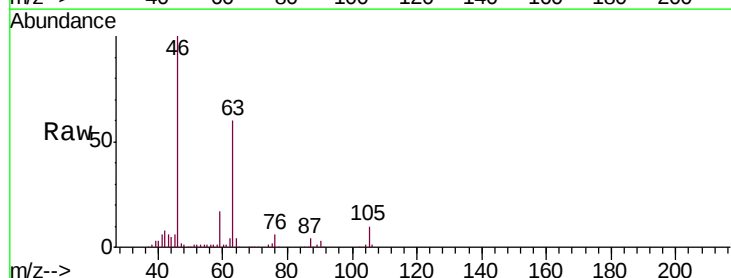
Ion Ratio Lower Upper

43 100

58 23.9 45.9 68.9#

57 22.1 15.0 22.4

100 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

8000

6000

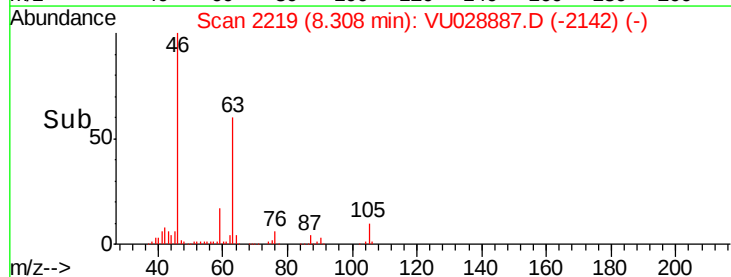
4000

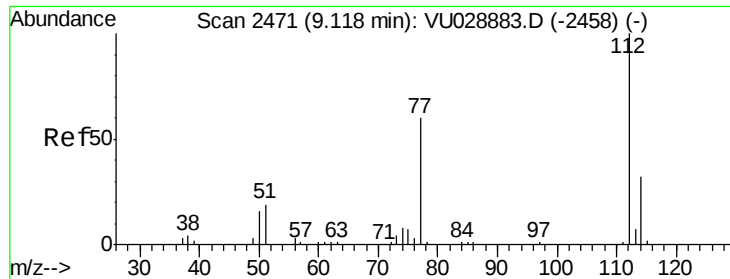
2000

0

8.25 8.30 8.35

Time-->





#51

Chlorobenzene

Concen: 25.105 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028887.D

Acq: 21 Dec 2018 20:39

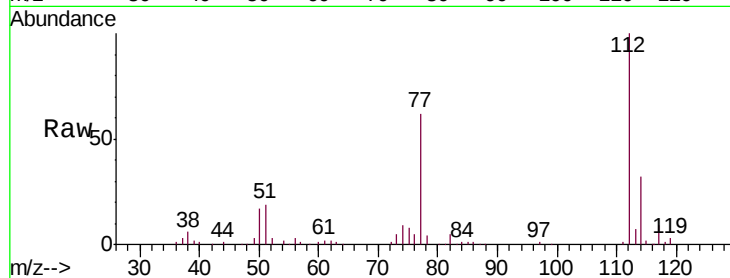
Tgt Ion: 112 Resp: 84427

Ion Ratio Lower Upper

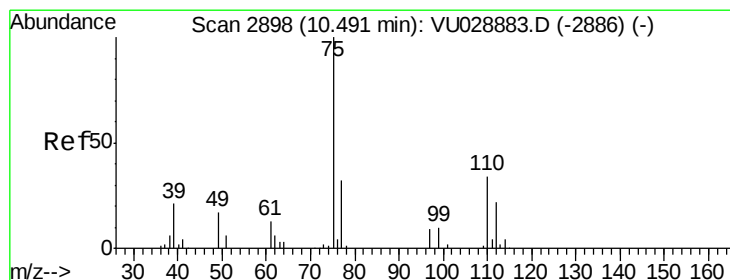
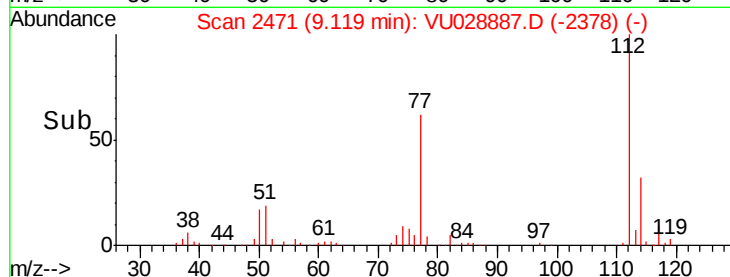
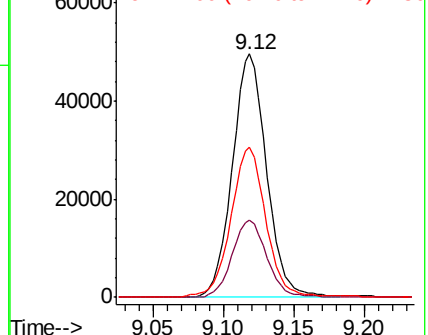
112 100

114 31.6 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): V



#59

1,2,3-Trichloropropane

Concen: 4.700 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028887.D

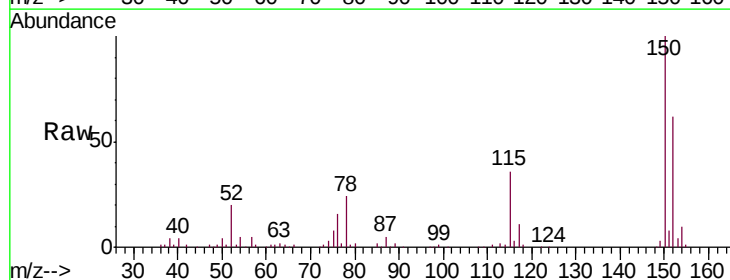
Acq: 21 Dec 2018 20:39

Tgt Ion: 75 Resp: 8254

Ion Ratio Lower Upper

75 100

77 34.3 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 77.00 (76.70 to 77.70): V

