

Data File : VU028898.D
 Acq On : 22 Dec 2018 01:06
 Operator : MD/SY
 Sample : J6535-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Dec 22 02:00:42 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	170572	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	160298	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65216	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60023	43.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.78%
7) Chloroethane-d5	1.67	69	48767	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.34%
11) 1,1-Dichloroethene-d2	2.27	63	79423	34.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.08%
21) 2-Butanone-d5	4.18	46	102418	106.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.90%
24) Chloroform-d	4.65	84	105056	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
26) 1,2-Dichloroethane-d4	5.31	65	67761	51.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.24%
32) Benzene-d6	5.34	84	230606	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
36) 1,2-Dichloropropane-d6	6.33	67	81120	52.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.46%
41) Toluene-d8	7.56	98	201217	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%
43) trans-1,3-Dichloropropene-	7.85	79	33008	47.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.76%
47) 2-Hexanone-d5	8.31	63	79961	109.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	107324	50.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	69603	52.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.54%

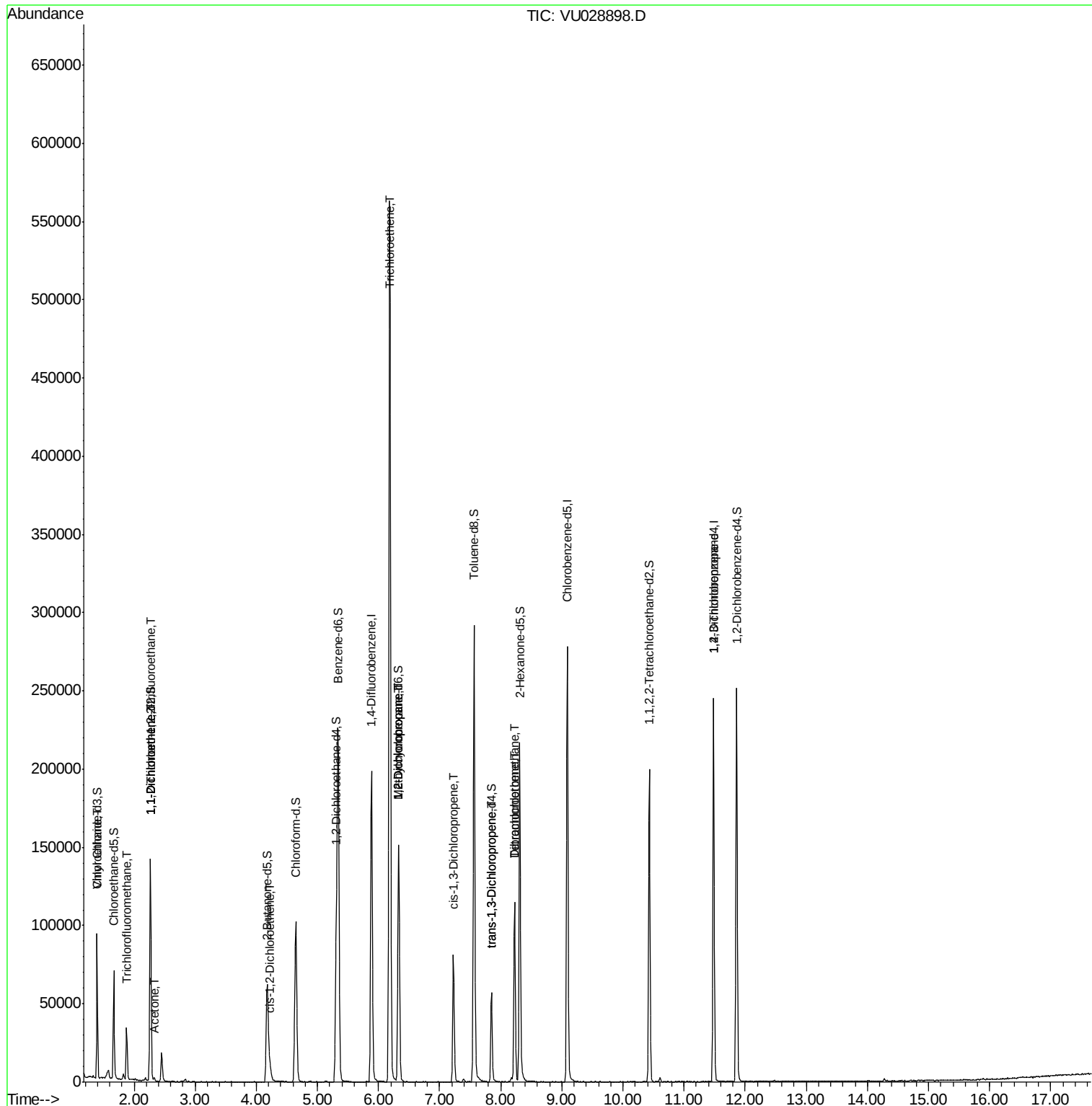
Target Compounds

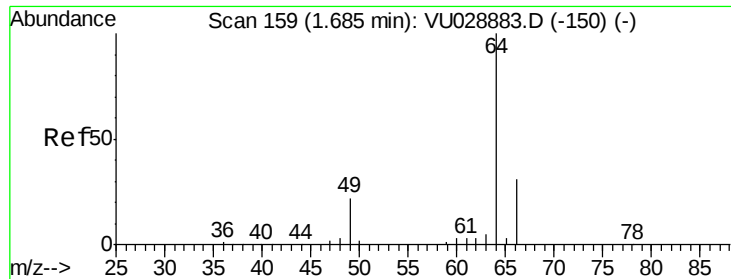
					Qvalue	
8) Chloroethane	1.40	64	815	0.855	ug/L #	1
9) Trichlorofluoromethane	1.88	101	21049	12.320	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	663	0.600	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	680	0.622	ug/L #	1
13) Acetone	2.33	43	1506	1.542	ug/L	90
20) cis-1,2-Dichloroethene	4.23	96	3802	2.833	ug/L	96
34) Trichloroethene	6.18	95	201659	163.676	ug/L	98
35) Methylcyclohexane	6.33	83	16671	8.124	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7477	5.241	ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1673	0.823	ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	1211	0.668	ug/L #	67
46) Tetrachloroethene	8.23	164	28179	29.697	ug/L	93
49) Dibromochloromethane	8.22	129	25447	20.945	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8171	4.800	ug/L	98

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

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ALS Vial : 40 Sample Multiplier: 1

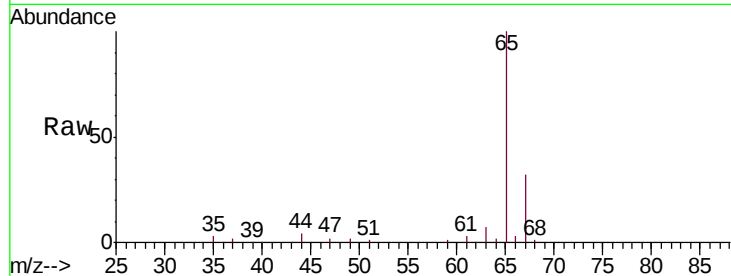
Quant Time: Dec 22 02:00:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 22 01:55:05 2018
Response via : Initial Calibration



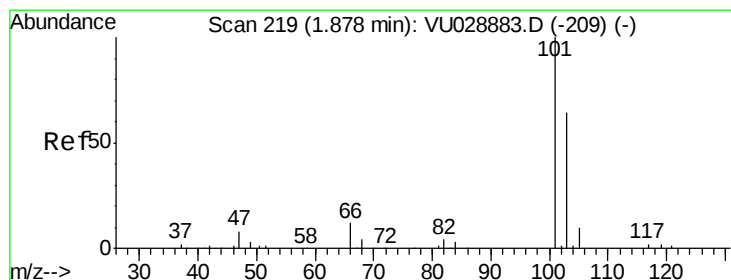
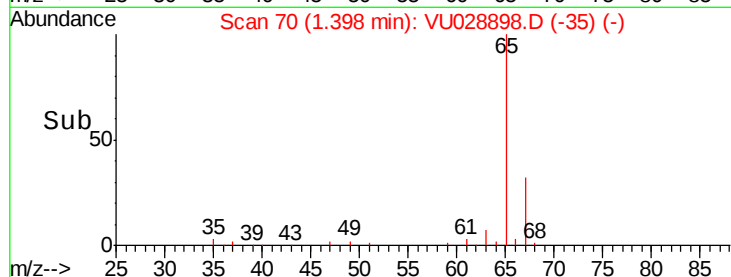
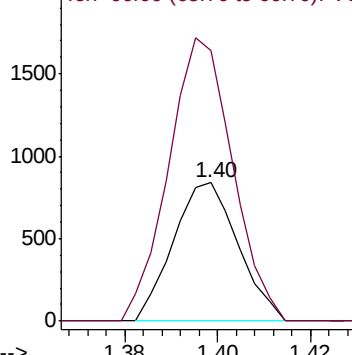


#8
Chloroethane
Concen: 0.855 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU028898.D
Acq: 22 Dec 2018 01:06

Tgt Ion: 64 Resp: 815
Ion Ratio Lower Upper
64 100
66 195.7 21.5 39.9#

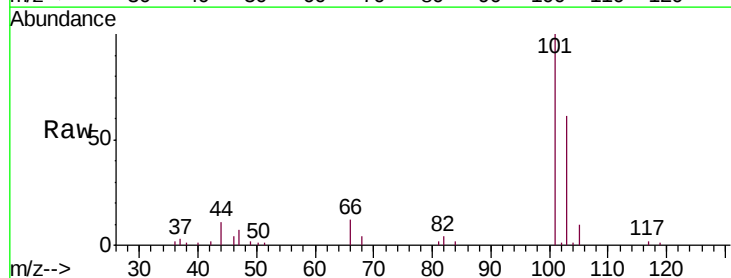


Abundance Ion 64.00 (63.70 to 64.70): VU0
Ion 66.00 (65.70 to 66.70): VU0

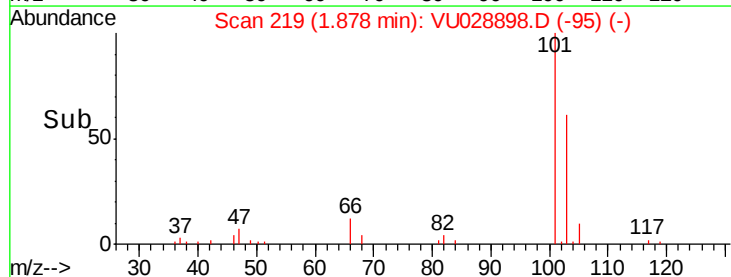
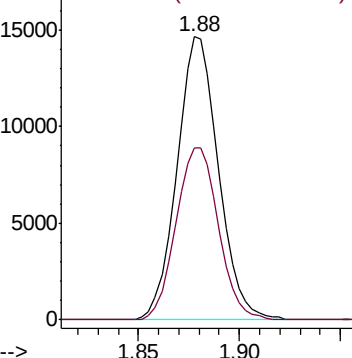


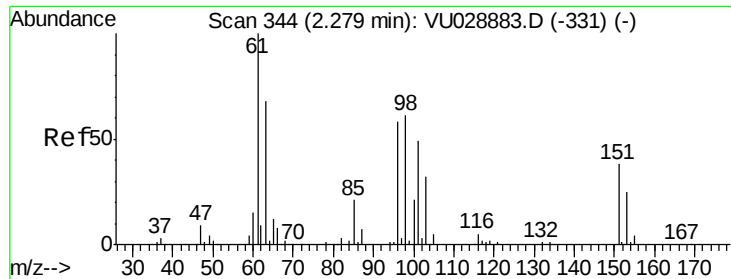
#9
Trichlorofluoromethane
Concen: 12.320 ug/L
RT: 1.88 min Scan# 219
Delta R.T. 0.00 min
Lab File: VU028898.D
Acq: 22 Dec 2018 01:06

Tgt Ion: 101 Resp: 21049
Ion Ratio Lower Upper
101 100
103 62.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.600 ug/L

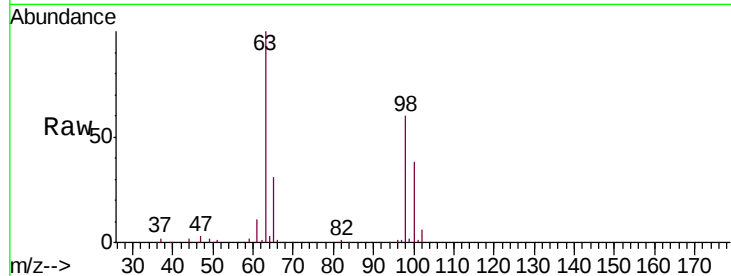
RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

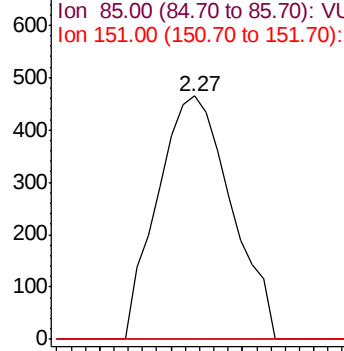
Lab File: VU028898.D

Acq: 22 Dec 2018 01:06

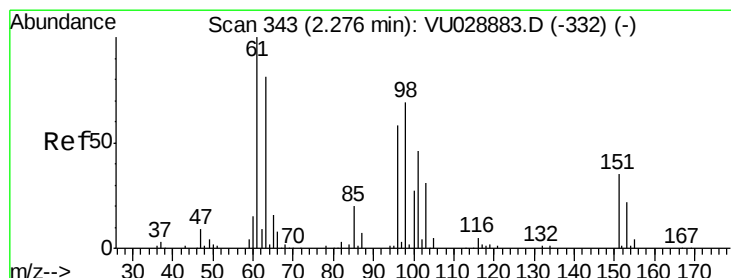
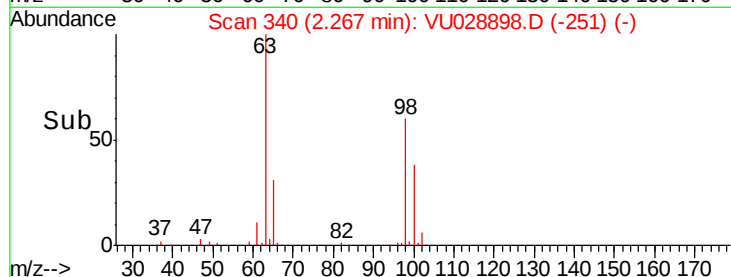
Tgt Ion:	101	Resp:	663
Ion	Ratio	Lower	Upper
101	100		
85	0.0	33.8	50.6#
151	0.0	59.4	89.0#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.622 ug/L

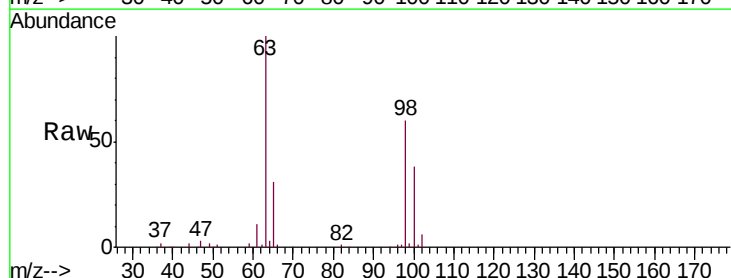
RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

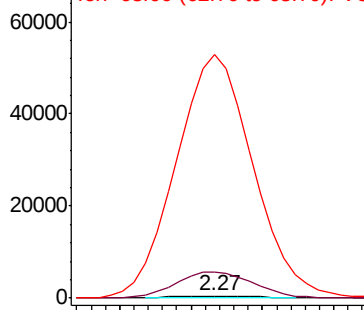
Lab File: VU028898.D

Acq: 22 Dec 2018 01:06

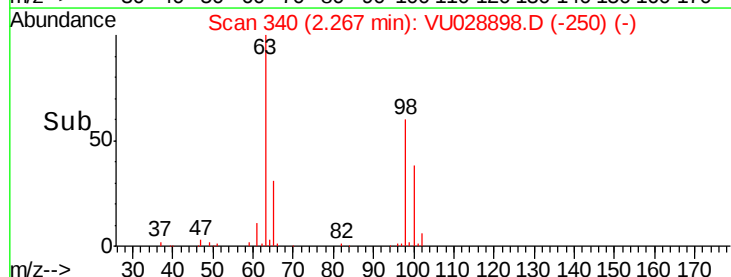
Tgt Ion:	96	Resp:	680
Ion	Ratio	Lower	Upper
96	100		
61	1361.6	119.3	221.5#
63	12446.1	107.4	199.6#

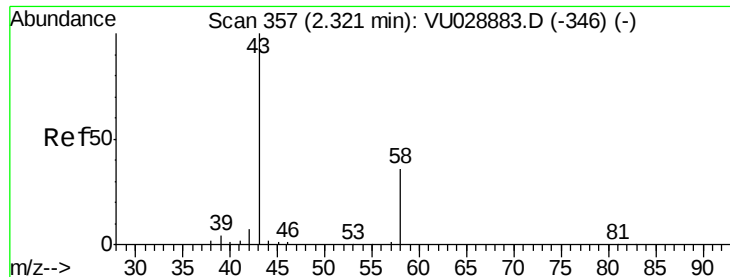


Abundance Ion 96.00 (95.70 to 96.70): VU
Ion 61.00 (60.70 to 61.70): VU
Ion 63.00 (62.70 to 63.70): VU



Time-->





#13

Acetone

Concen: 1.542 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU028898.D

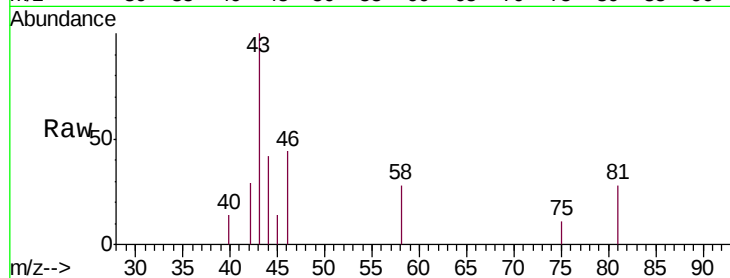
Acq: 22 Dec 2018 01:06

Tgt Ion: 43 Resp: 1506

Ion Ratio Lower Upper

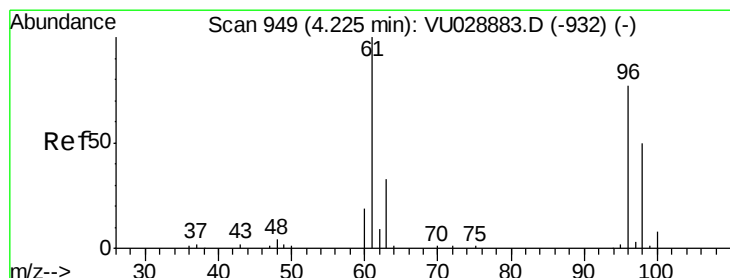
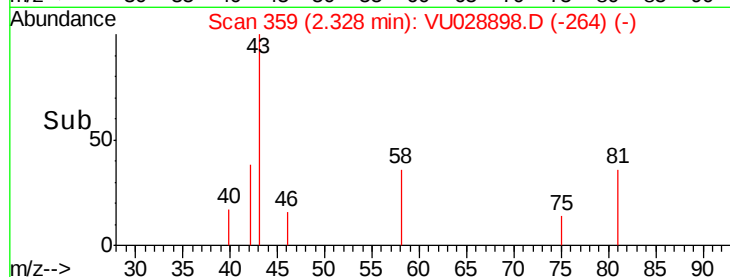
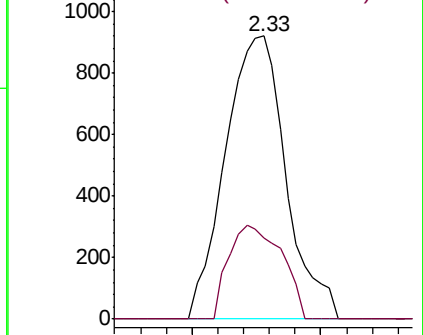
43 100

58 29.1 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU028898.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU028898.D (-264) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.833 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028898.D

Acq: 22 Dec 2018 01:06

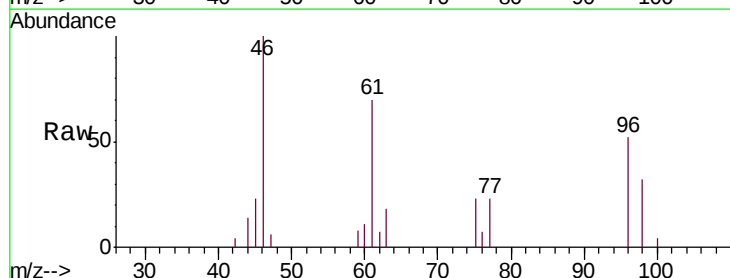
Tgt Ion: 96 Resp: 3802

Ion Ratio Lower Upper

96 100

61 135.9 92.1 171.1

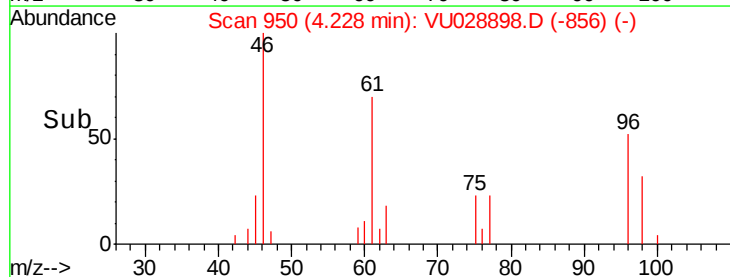
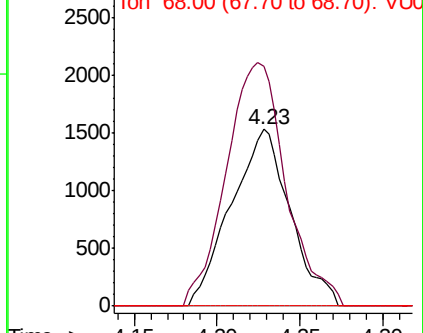
68 0.0 0.0 0.0

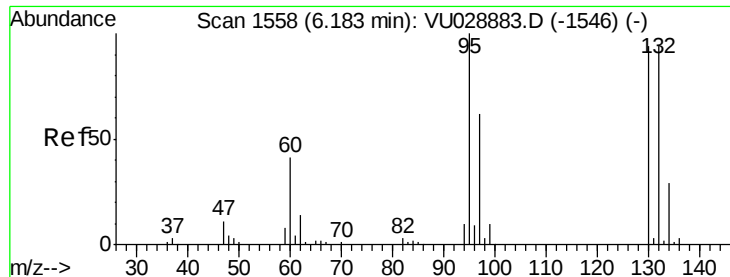


Abundance Ion 96.00 (95.70 to 96.70): VU028898.D (-856) (-)

Ion 61.00 (60.70 to 61.70): VU028898.D (-856) (-)

Ion 68.00 (67.70 to 68.70): VU028898.D (-856) (-)





#34

Trichloroethene

Concen: 163.676 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028898.D

Acq: 22 Dec 2018 01:06

Tgt Ion: 95 Resp: 201659

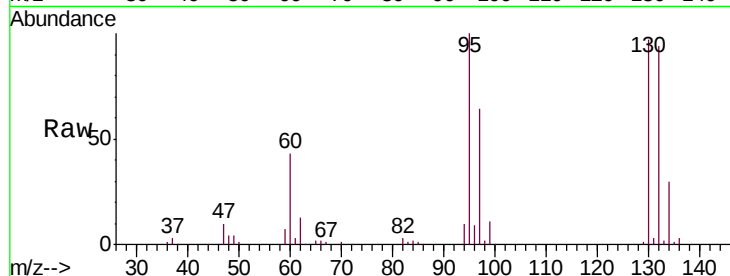
Ion Ratio Lower Upper

95 100

97 63.6 43.3 80.3

132 94.2 64.2 119.2

130 96.9 67.1 124.7

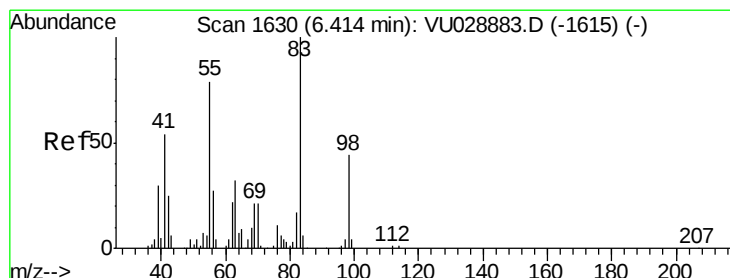
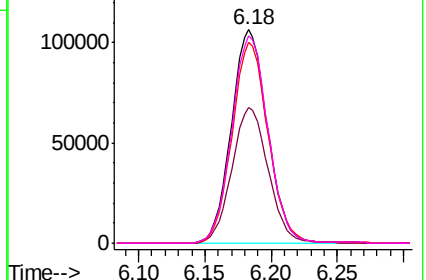
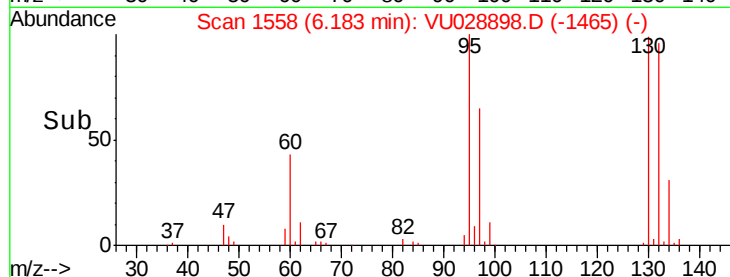


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 8.124 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028898.D

Acq: 22 Dec 2018 01:06

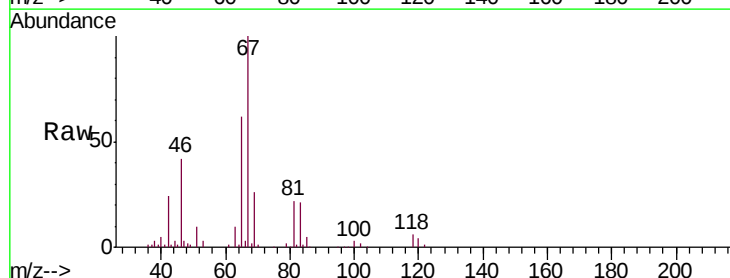
Tgt Ion: 83 Resp: 16671

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

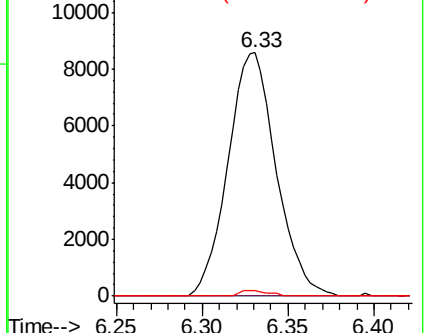
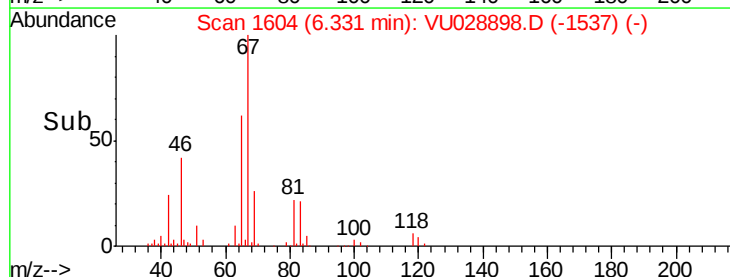
98 1.3 35.6 53.4#

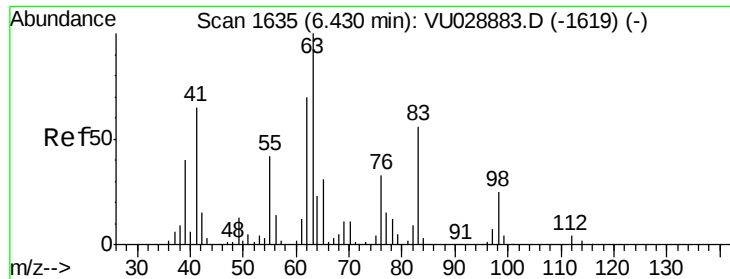


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

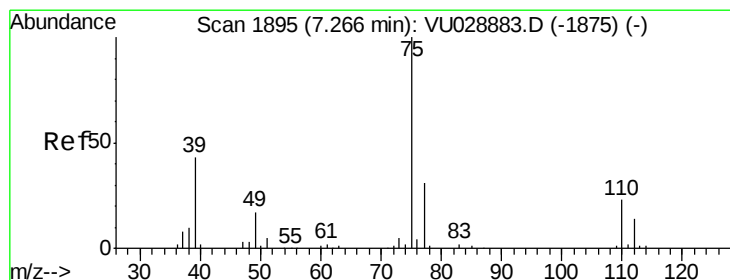
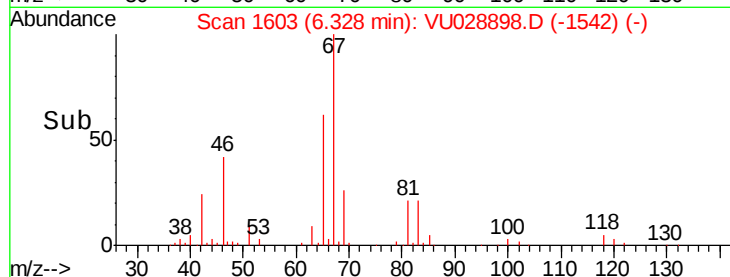
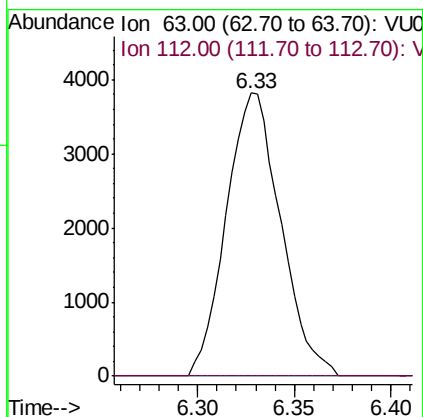
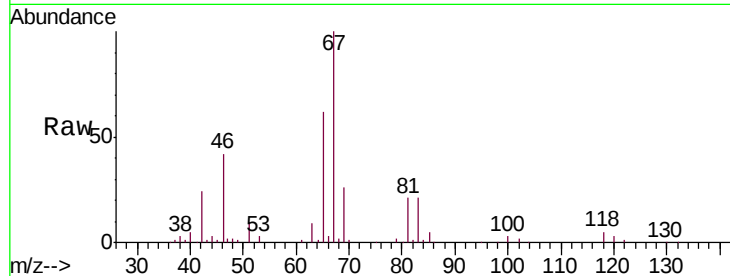
Ion 98.00 (97.70 to 98.70): VU0





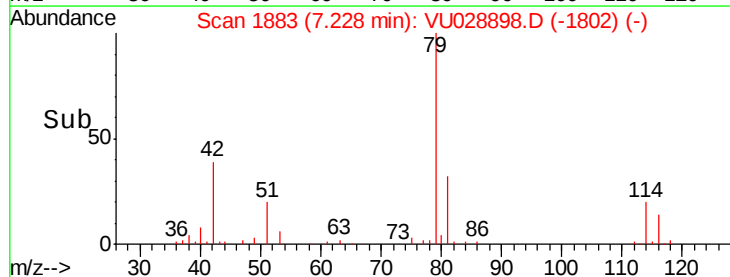
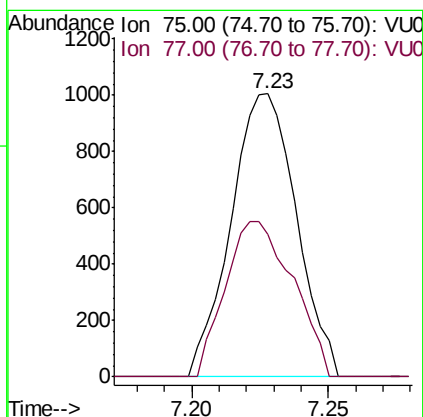
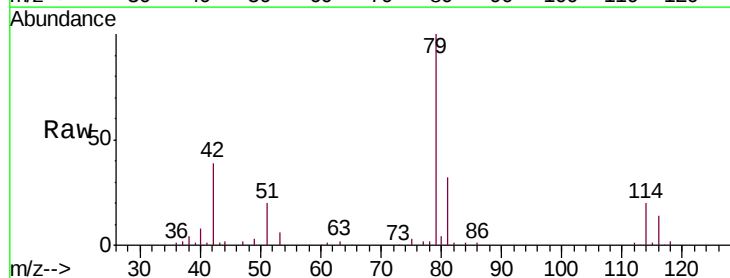
#37
 1,2-Dichloropropane
 Concen: 5.241 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028898.D
 Acq: 22 Dec 2018 01:06

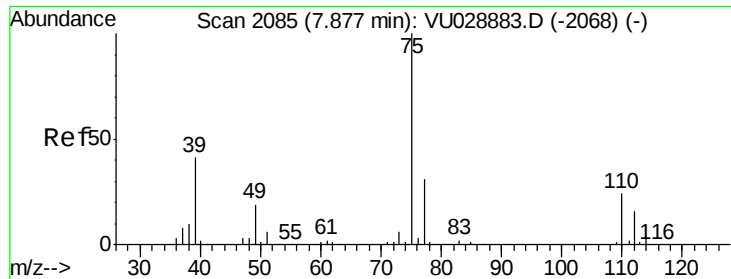
Tgt Ion: 63 Resp: 7477
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.823 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028898.D
 Acq: 22 Dec 2018 01:06

Tgt Ion: 75 Resp: 1673
 Ion Ratio Lower Upper
 75 100
 77 50.3 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.668 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028898.D

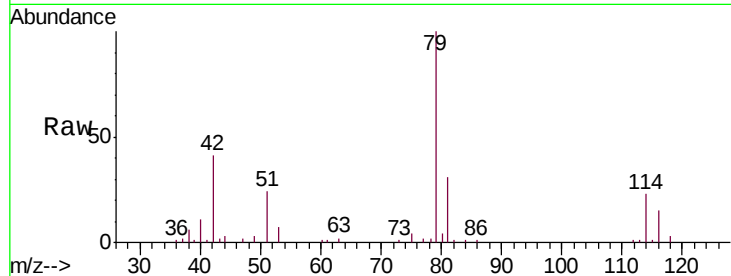
Acq: 22 Dec 2018 01:06

Tgt Ion: 75 Resp: 1211

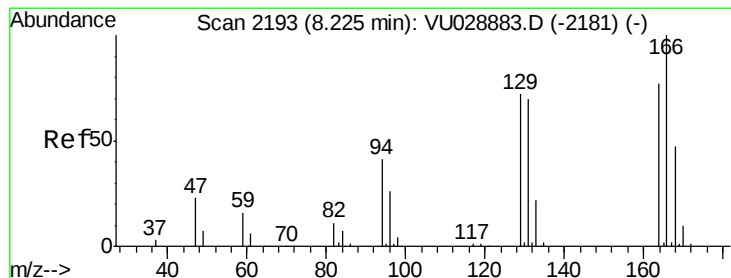
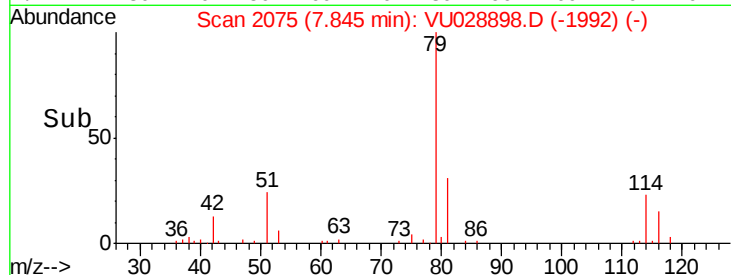
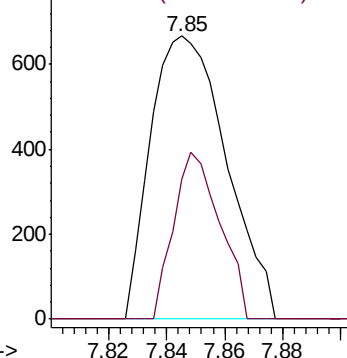
Ion Ratio Lower Upper

75 100

77 49.5 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU028883.D (-2068) (-)



#46

Tetrachloroethene

Concen: 29.697 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028898.D

Acq: 22 Dec 2018 01:06

Tgt Ion: 164 Resp: 28179

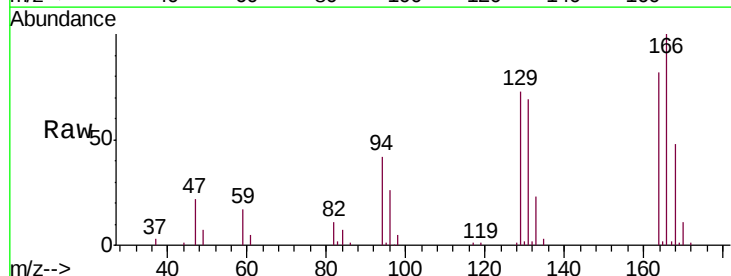
Ion Ratio Lower Upper

164 100

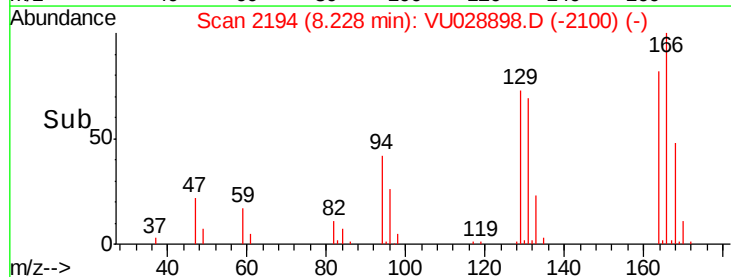
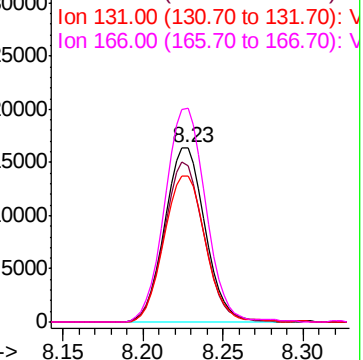
129 89.6 66.8 124.0

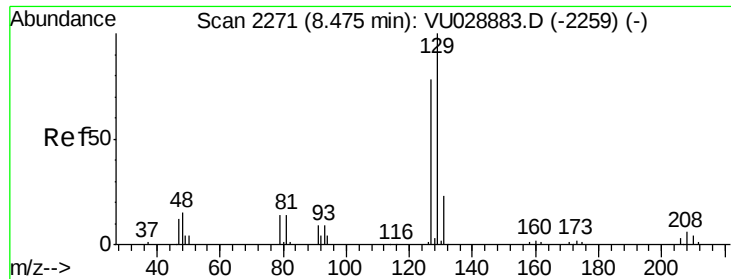
131 84.1 64.2 119.2

166 122.6 90.8 168.6



Abundance Ion 164.00 (163.70 to 164.70): VU028883.D (-2181) (-)





#49

Dibromochloromethane

Concen: 20.945 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028898.D

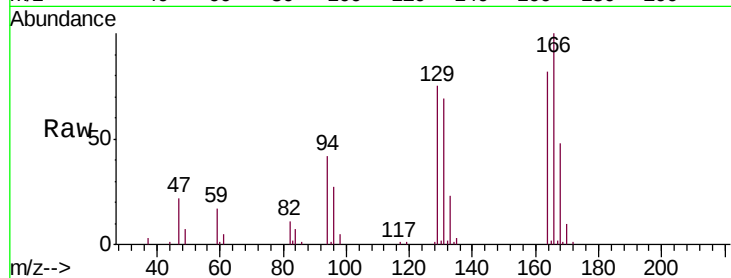
Acq: 22 Dec 2018 01:06

Tgt Ion: 129 Resp: 25447

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15000

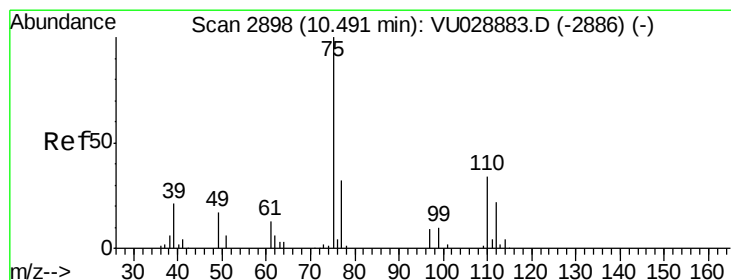
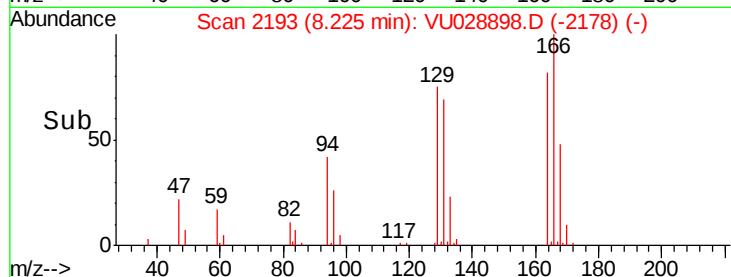
10000

5000

0

8.15 8.20 8.25 8.30

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.800 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028898.D

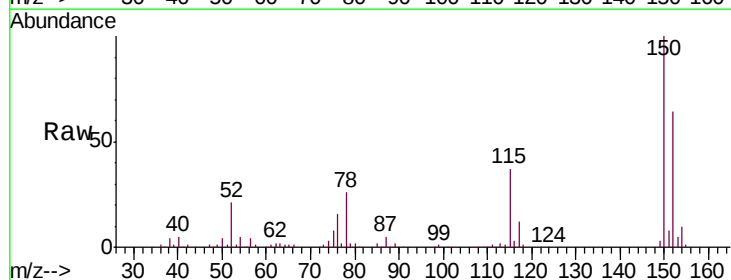
Acq: 22 Dec 2018 01:06

Tgt Ion: 75 Resp: 8171

Ion Ratio Lower Upper

75 100

77 33.1 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

6000

5000

4000

3000

2000

1000

0

11.45 11.50

Time-->

