

Data File : VU028899.D
Acq On : 22 Dec 2018 01:31
Operator : MD/SY
Sample : J6535-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Dec 22 02:00:57 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	173206	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	162936	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	66644	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59236	42.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.32%
7) Chloroethane-d5	1.67	69	48520	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	2.27	63	79365	33.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.98%
21) 2-Butanone-d5	4.18	46	106401	109.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.37%
24) Chloroform-d	4.65	84	104759	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	5.30	65	66940	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
32) Benzene-d6	5.34	84	229704	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.33	67	80359	51.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.78%
41) Toluene-d8	7.56	98	201605	48.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.66%
43) trans-1,3-Dichloropropene-	7.85	79	32272	46.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.12%
47) 2-Hexanone-d5	8.31	63	80831	108.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.83%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	106917	49.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	70119	52.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.04%

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1284	0.669	ug/L	92
8) Chloroethane	1.40	64	913	0.943	ug/L #	1
9) Trichlorofluoromethane	1.88	101	34708	20.005	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	723	0.644	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	644	0.580	ug/L #	1
13) Acetone	2.32	43	1764	1.779	ug/L	95
27) 1,2-Dichloroethane	5.34	62	1024	0.619	ug/L #	74
34) Trichloroethene	6.19	95	4783	3.819	ug/L	92
35) Methylcyclohexane	6.33	83	16724	8.018	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7162	4.939	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1510	0.730	ug/L #	24
40) 4-Methyl-2-pentanone	7.39	43	926	0.475	ug/L #	42
44) trans-1,3-Dichloropropene	7.85	75	1256	0.682	ug/L	99
46) Tetrachloroethene	8.22	164	75351	78.124	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	7845	4.534	ug/L	95

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

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ALS Vial : 41 Sample Multiplier: 1

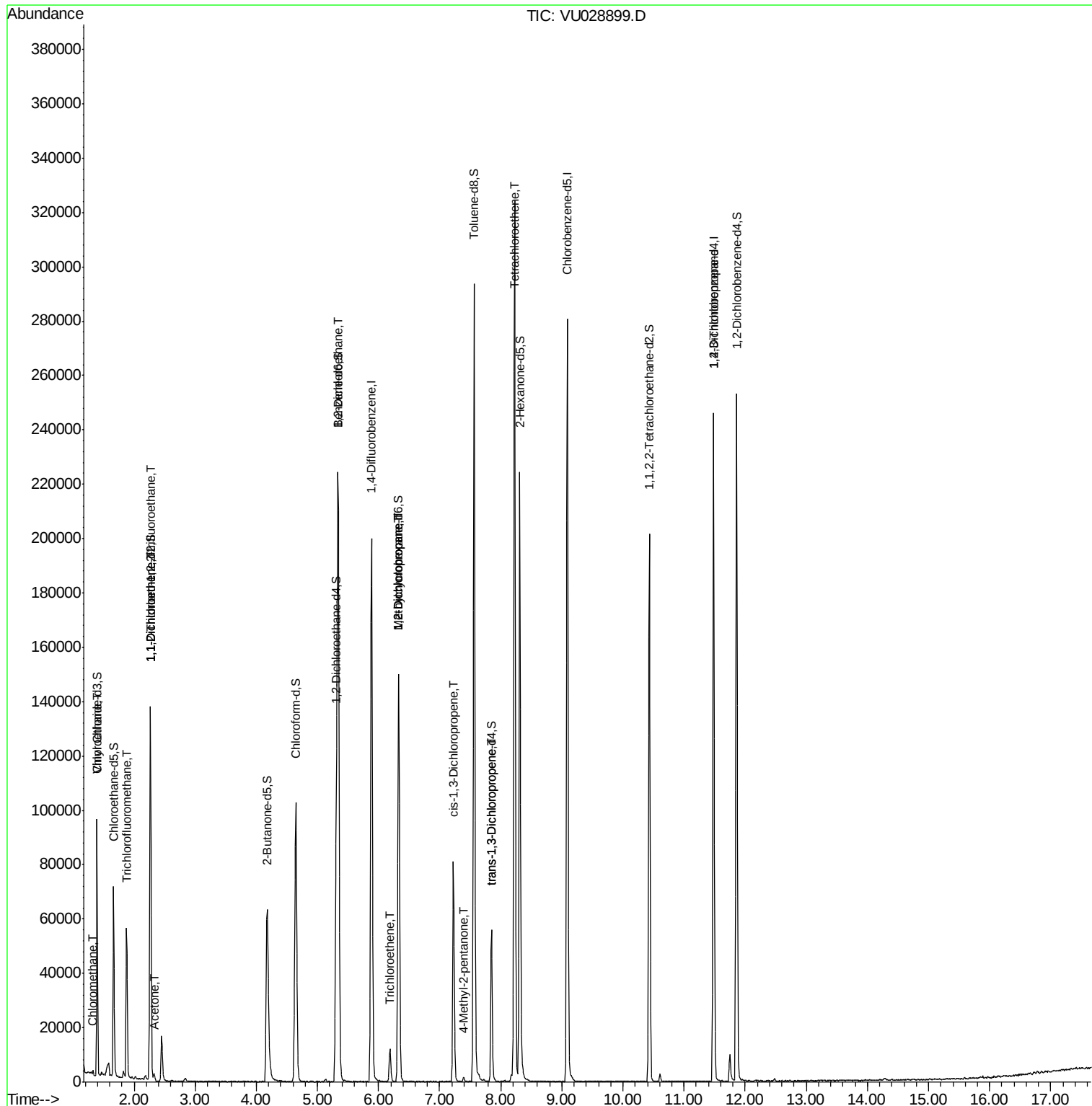
Quant Time: Dec 22 02:00:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 22 01:55:05 2018
Response via : Initial Calibration

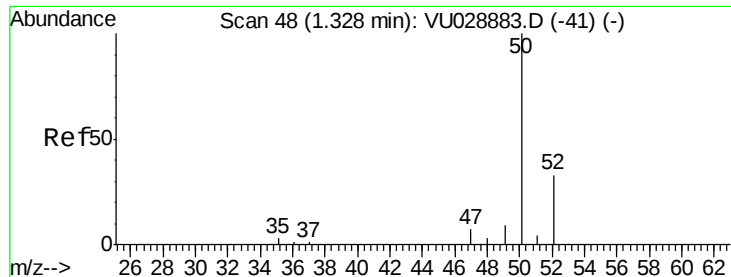
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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#3

Chloromethane

Concen: 0.669 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028899.D

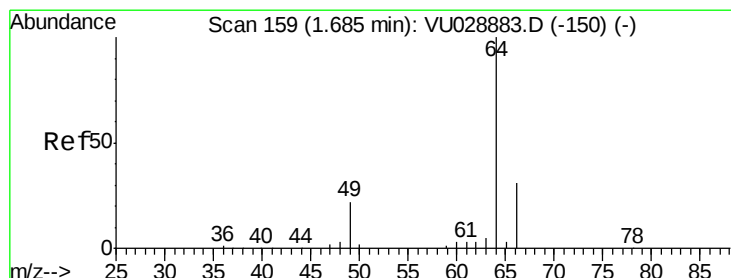
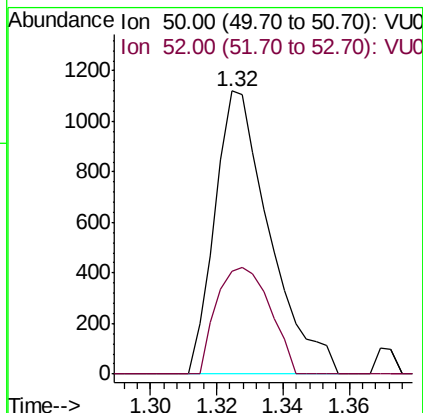
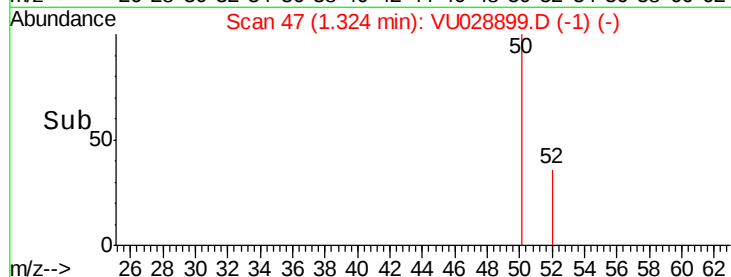
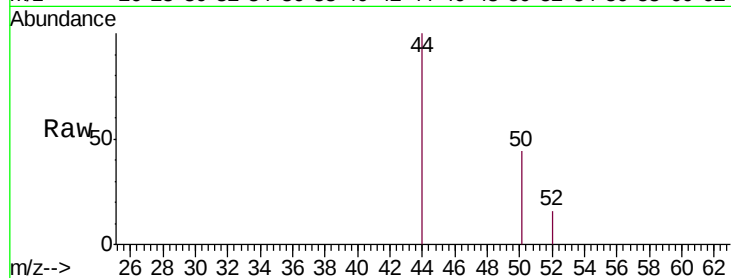
Acq: 22 Dec 2018 01:31

Tgt Ion: 50 Resp: 1284

Ion Ratio Lower Upper

50 100

52 36.4 22.3 41.3



#8

Chloroethane

Concen: 0.943 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028899.D

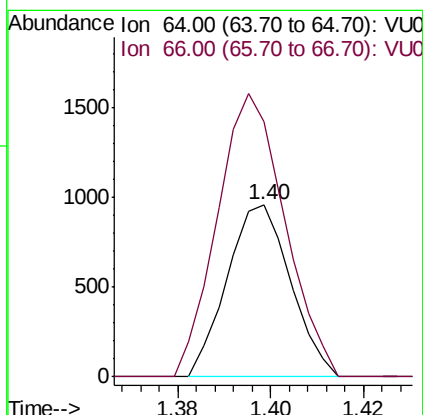
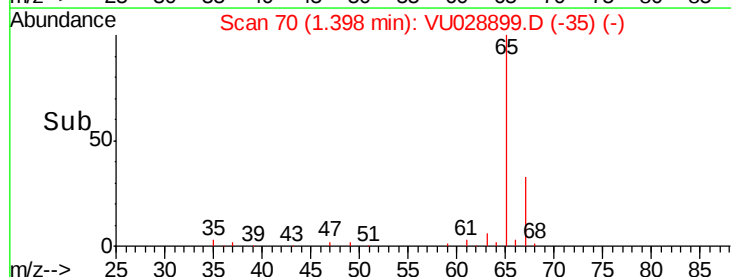
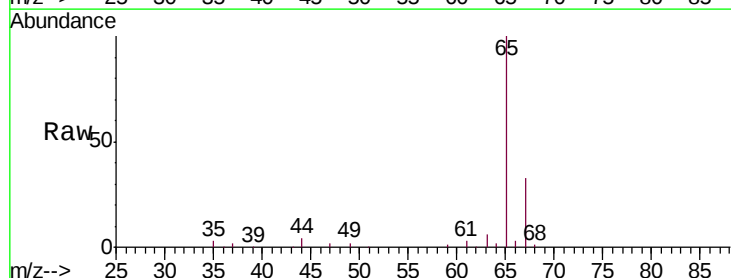
Acq: 22 Dec 2018 01:31

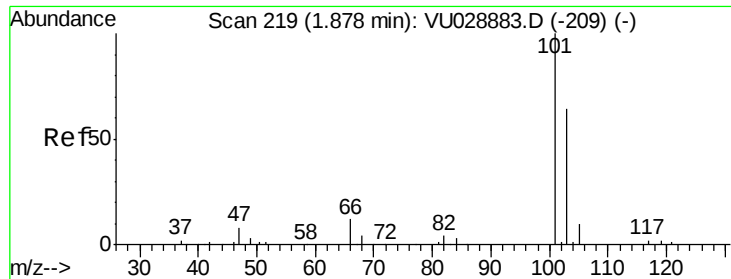
Tgt Ion: 64 Resp: 913

Ion Ratio Lower Upper

64 100

66 147.7 21.5 39.9#

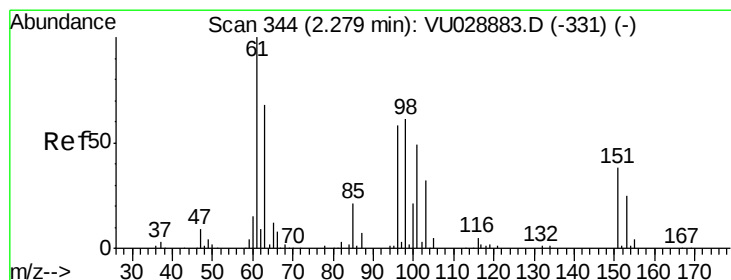
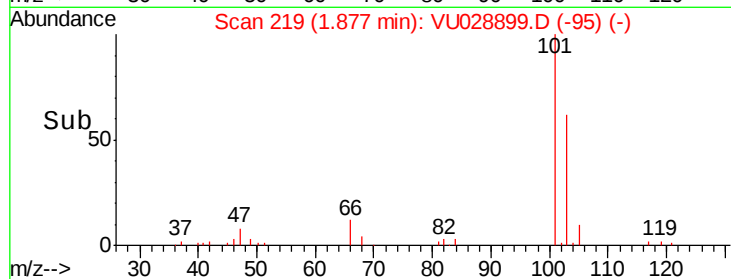
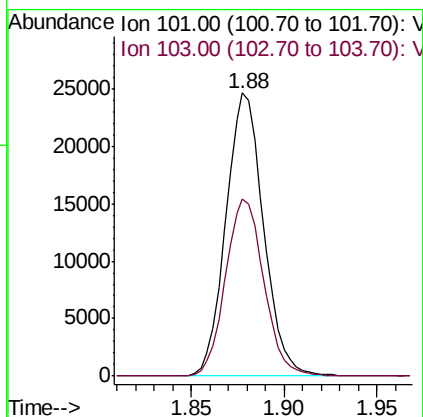
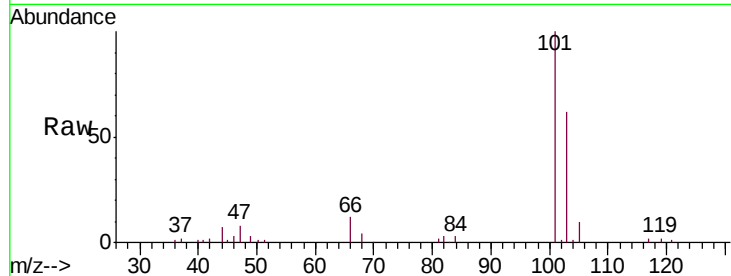




#9

Trichlorofluoromethane
 Concen: 20.005 ug/L
 RT: 1.88 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VU028899.D
 Acq: 22 Dec 2018 01:31

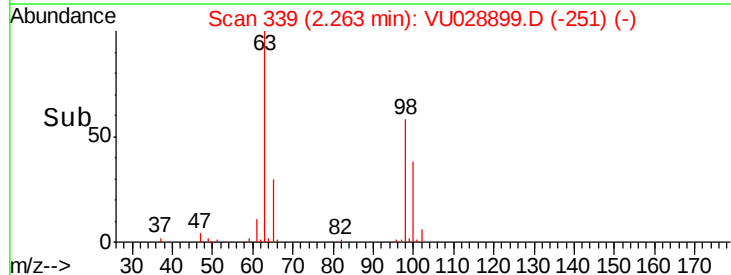
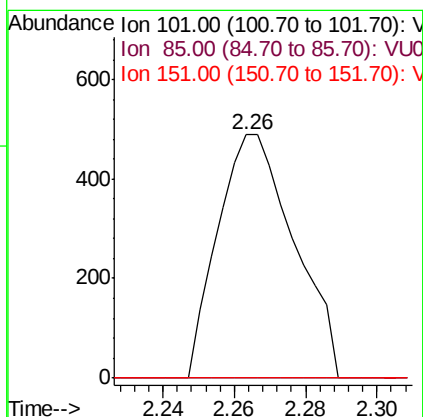
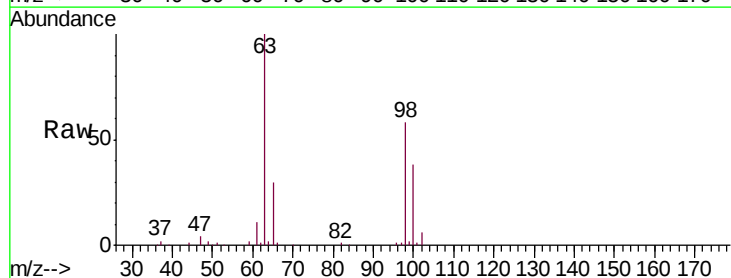
Tgt Ion:101 Resp: 34708
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.4 77.0

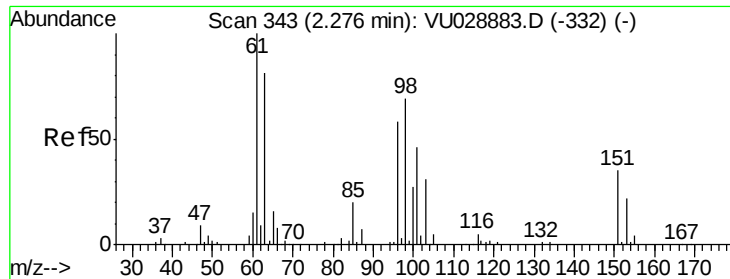


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.644 ug/L
 RT: 2.26 min Scan# 339
 Delta R.T. -0.02 min
 Lab File: VU028899.D
 Acq: 22 Dec 2018 01:31

Tgt Ion:101 Resp: 723
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 59.4 89.0#





#12

1,1-Dichloroethene

Concen: 0.580 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU028899.D

Acq: 22 Dec 2018 01:31

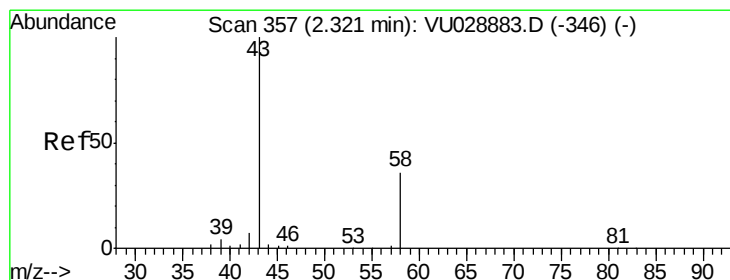
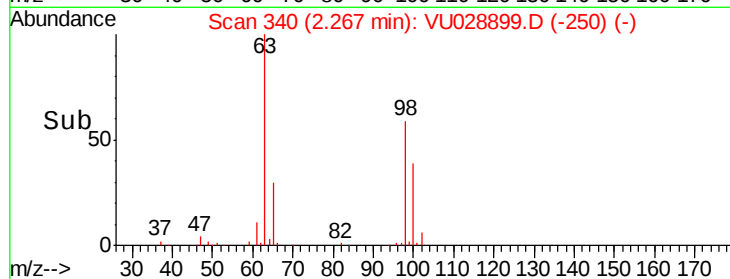
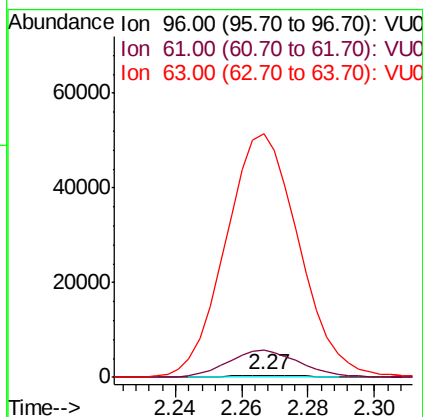
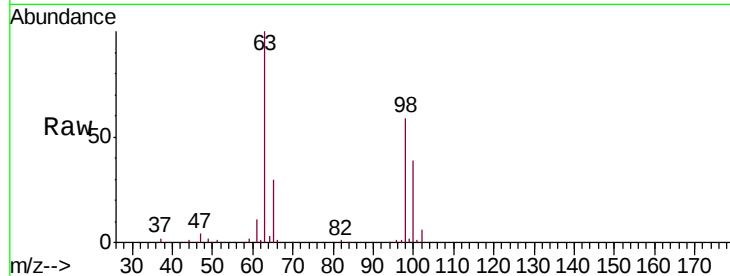
Tgt Ion: 96 Resp: 644

Ion Ratio Lower Upper

96 100

61 1464.1 119.3 221.5#

63 13181.5 107.4 199.6#



#13

Acetone

Concen: 1.779 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028899.D

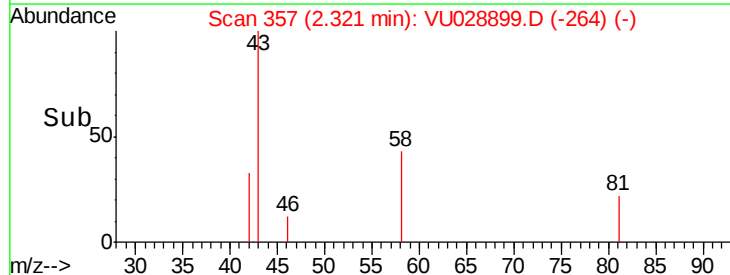
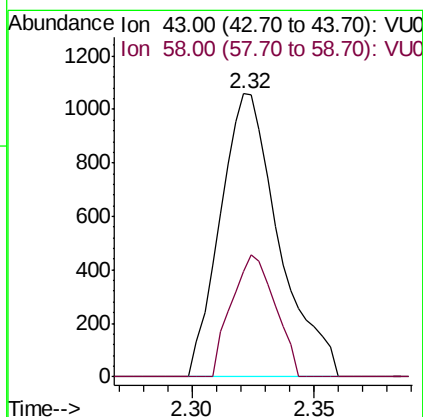
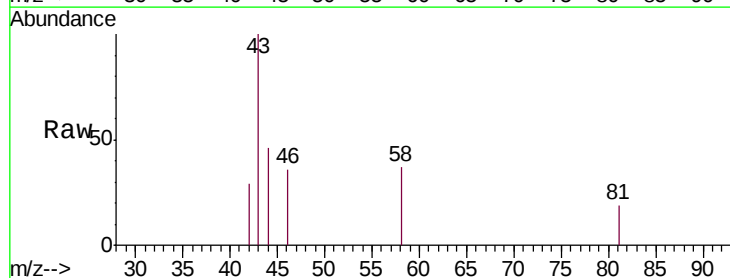
Acq: 22 Dec 2018 01:31

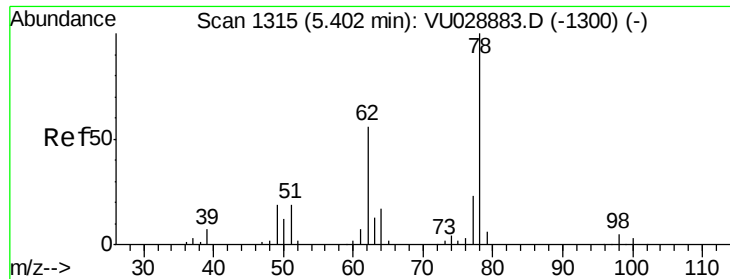
Tgt Ion: 43 Resp: 1764

Ion Ratio Lower Upper

43 100

58 32.0 0.0 70.2





#27

1,2-Dichloroethane

Concen: 0.619 ug/L

RT: 5.34 min Scan# 1295

Delta R.T. -0.06 min

Lab File: VU028899.D

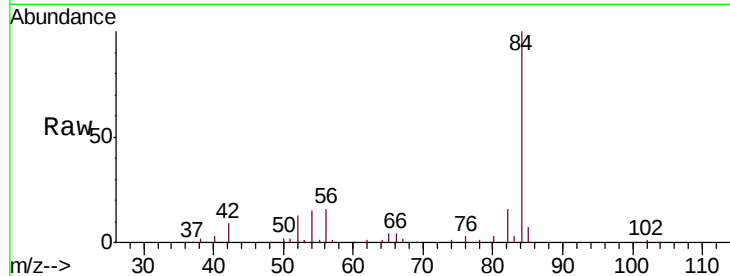
Acq: 22 Dec 2018 01:31

Tgt Ion: 62 Resp: 1024

Ion Ratio Lower Upper

62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.34

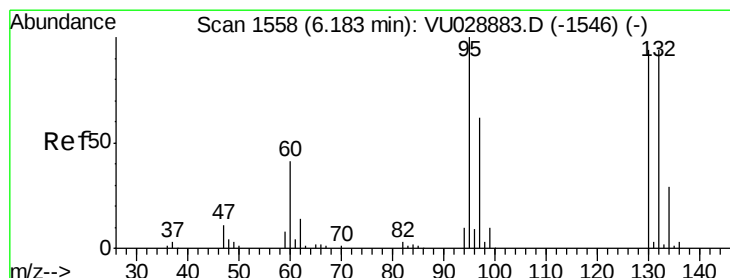
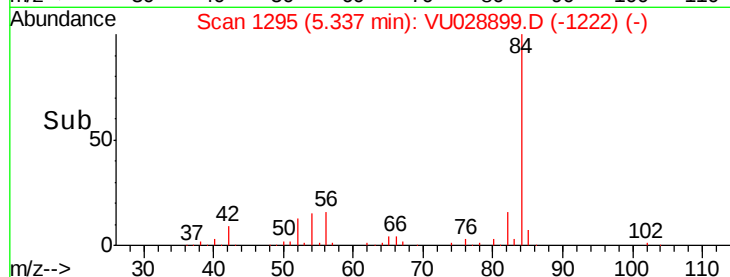
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 3.819 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028899.D

Acq: 22 Dec 2018 01:31

Tgt Ion: 95 Resp: 4783

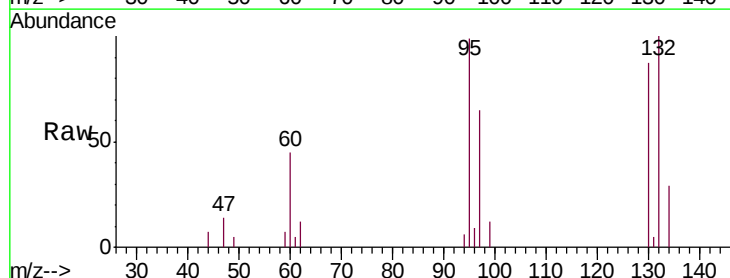
Ion Ratio Lower Upper

95 100

97 65.0 43.3 80.3

132 100.7 64.2 119.2

130 87.5 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

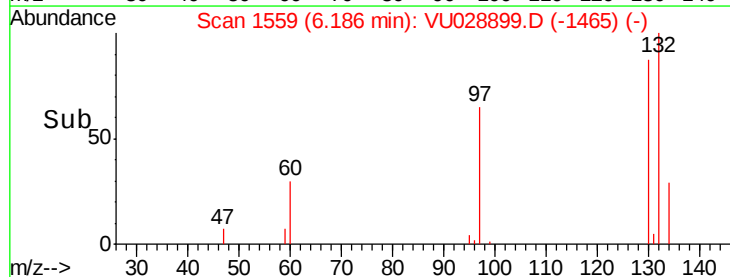
3000

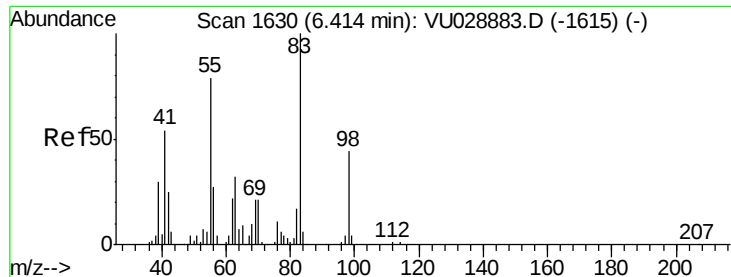
2000

1000

0

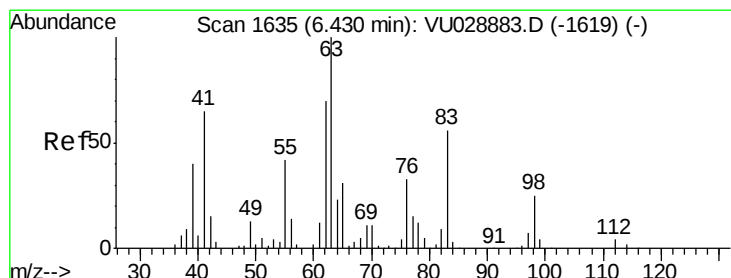
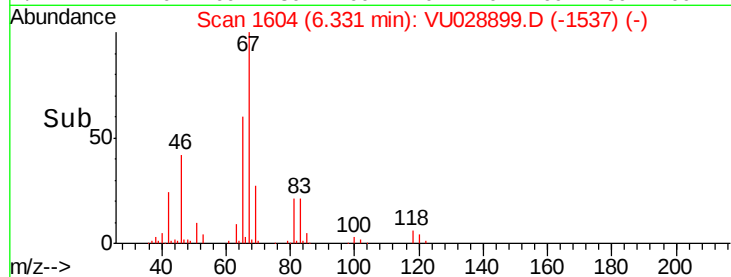
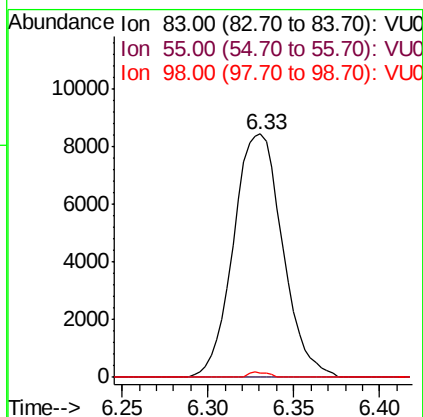
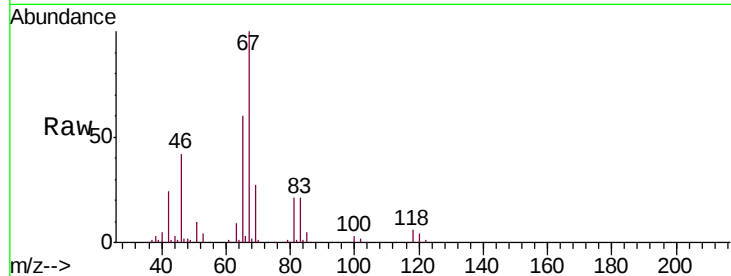
Time-->





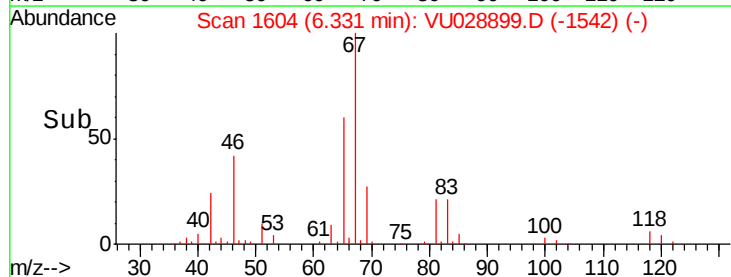
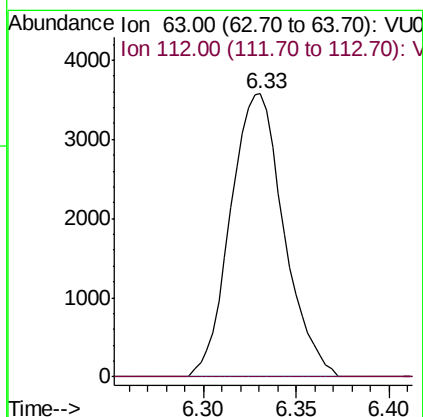
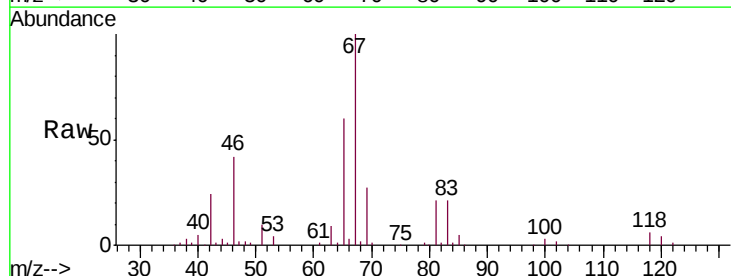
#35
Methylcyclohexane
Concen: 8.018 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028899.D
Acq: 22 Dec 2018 01:31

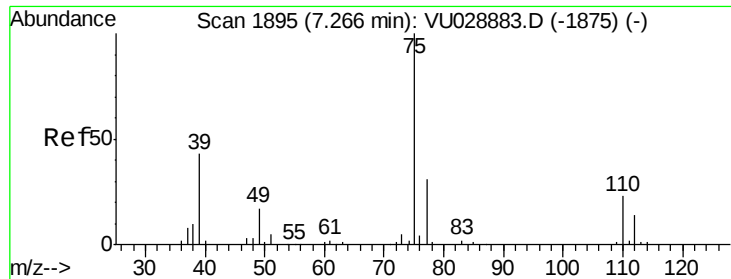
Tgt Ion: 83 Resp: 16724
Ion Ratio Lower Upper
83 100
55 0.0 63.7 95.5#
98 0.9 35.6 53.4#



#37
1,2-Dichloropropane
Concen: 4.939 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU028899.D
Acq: 22 Dec 2018 01:31

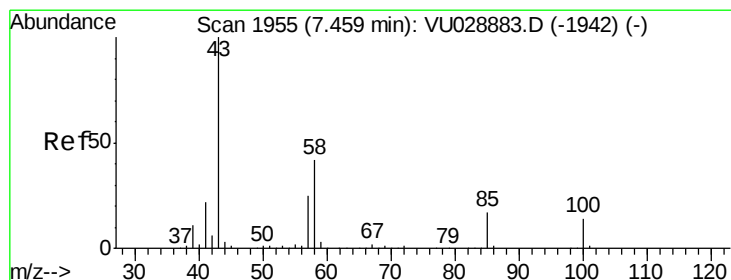
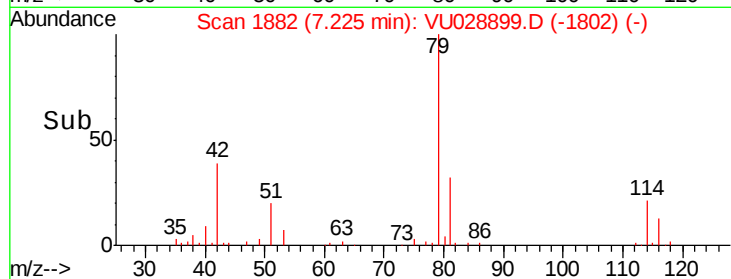
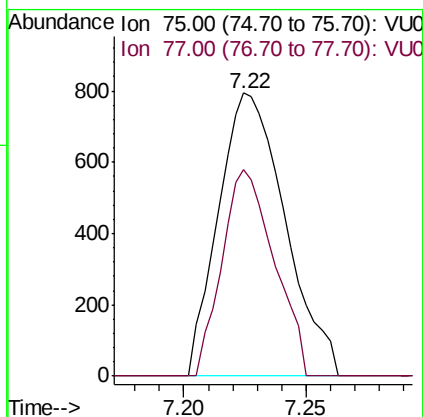
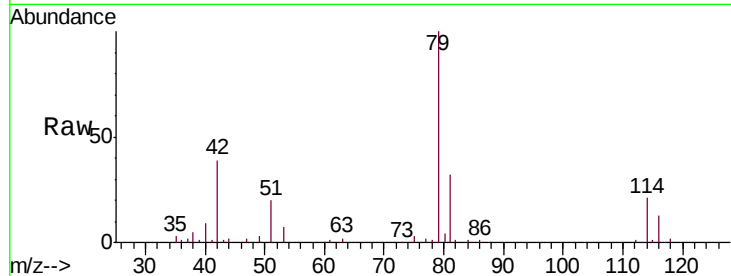
Tgt Ion: 63 Resp: 7162
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#





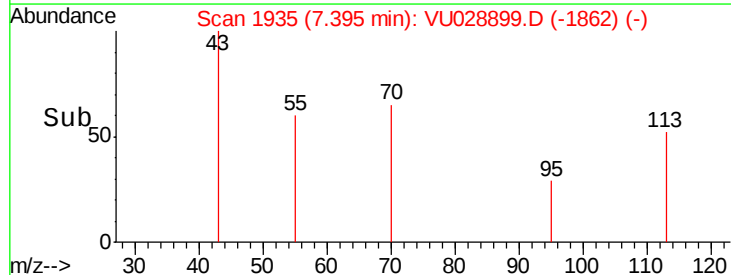
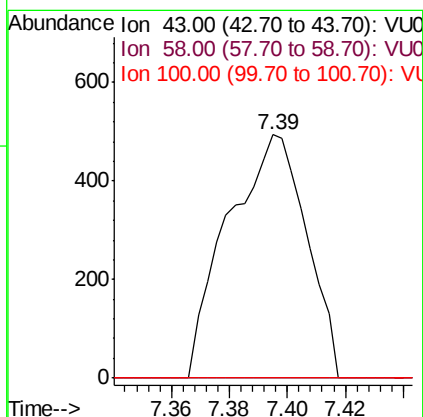
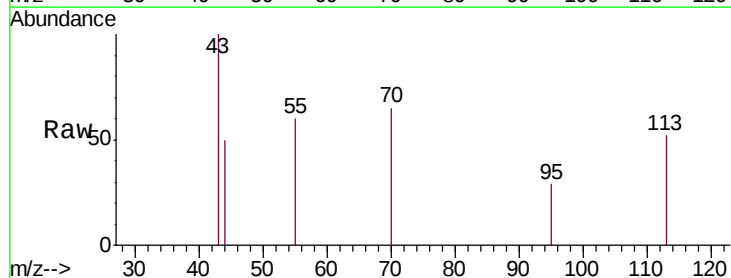
#39
 cis-1,3-Dichloropropene
 Concen: 0.730 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028899.D
 Acq: 22 Dec 2018 01:31

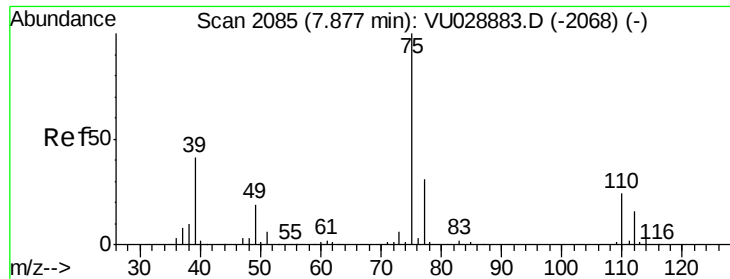
Tgt Ion: 75 Resp: 1510
 Ion Ratio Lower Upper
 75 100
 77 72.9 21.8 40.6#



#40
 4-Methyl-2-pentanone
 Concen: 0.475 ug/L
 RT: 7.39 min Scan# 1935
 Delta R.T. -0.06 min
 Lab File: VU028899.D
 Acq: 22 Dec 2018 01:31

Tgt Ion: 43 Resp: 926
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.1 49.7#
 100 0.0 11.5 17.3#





#44

trans-1,3-Dichloropropene

Concen: 0.682 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028899.D

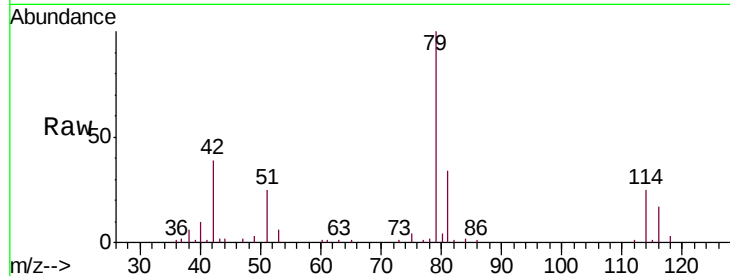
Acq: 22 Dec 2018 01:31

Tgt Ion: 75 Resp: 1256

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6



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

Ion 77.00 (76.70 to 77.70): VU028883.D (-2068) (-)

7.85

800

600

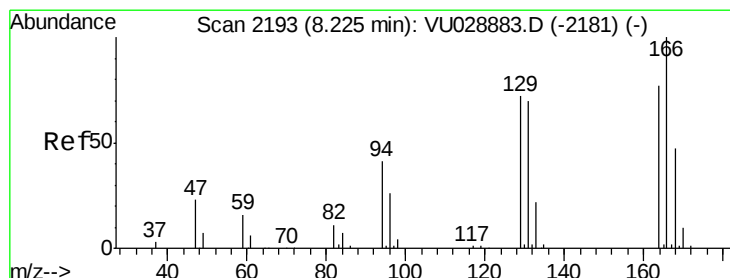
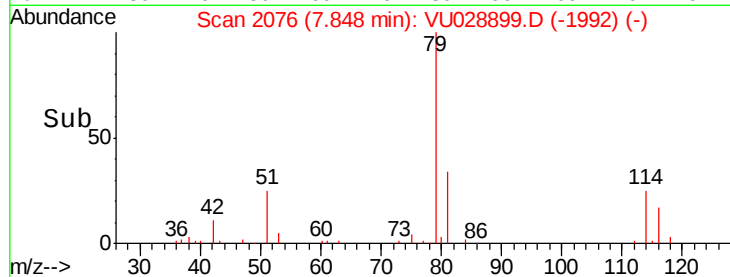
400

200

0

7.82 7.84 7.86 7.88

Time-->



#46

Tetrachloroethene

Concen: 78.124 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028899.D

Acq: 22 Dec 2018 01:31

Tgt Ion: 164 Resp: 75351

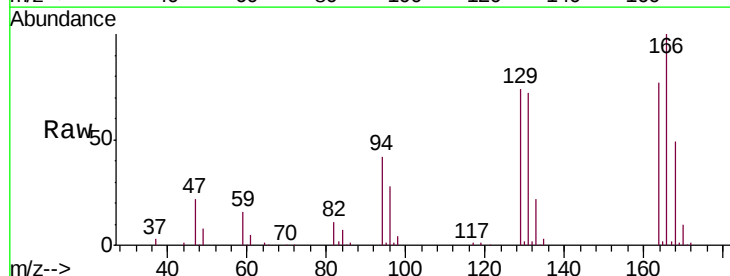
Ion Ratio Lower Upper

164 100

129 96.2 66.8 124.0

131 92.6 64.2 119.2

166 129.2 90.8 168.6



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

Ion 129.00 (128.70 to 129.70): VU028883.D (-2181) (-)

Ion 131.00 (130.70 to 131.70): VU028883.D (-2181) (-)

Ion 166.00 (165.70 to 166.70): VU028883.D (-2181) (-)

8.22

80000

60000

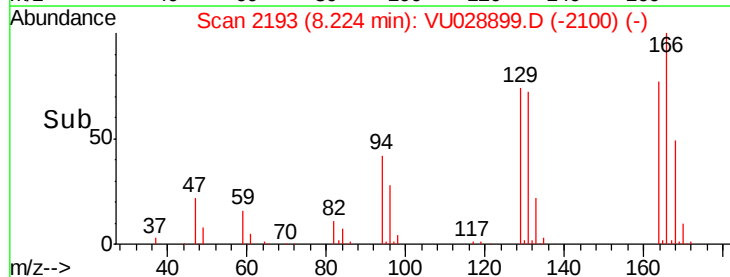
40000

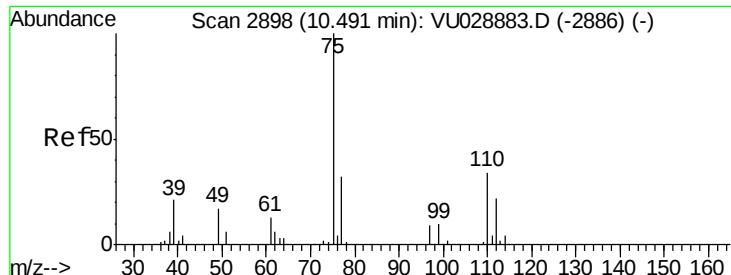
20000

0

8.15 8.20 8.25 8.30

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.534 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028899.D

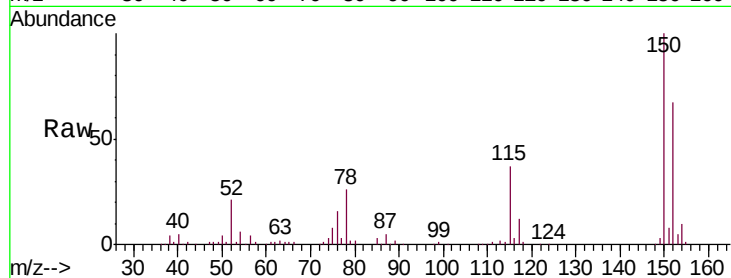
Acq: 22 Dec 2018 01:31

Tgt Ion: 75 Resp: 7845

Ion Ratio Lower Upper

75 100

77 34.4 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

