

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028867.D
 Acq On : 21 Dec 2018 12:33
 Operator : MD/SY
 Sample : J6419-08ME
 Misc : 4.95g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 21 23:31:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 23:27:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	322795	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	313558	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	149737	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	83427	32.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.48%
7) Chloroethane-d5	1.64	69	51692	25.86	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	51.72%#
11) 1,1-Dichloroethene-d2	2.23	63	112419	25.83	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.66%#
21) 2-Butanone-d5	4.19	46	178153	98.26	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.26%
24) Chloroform-d	4.64	84	161866	39.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.56%
26) 1,2-Dichloroethane-d4	5.30	65	106588	42.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.98%
32) Benzene-d6	5.33	84	348942	39.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.78%
36) 1,2-Dichloropropane-d6	6.33	67	126276	41.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.92%
41) Toluene-d8	7.56	98	308379	38.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.84%#
43) trans-1,3-Dichloropropene-	7.85	79	56790	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.24%
47) 2-Hexanone-d5	8.32	63	155091	108.51	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	204929	49.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	133264	44.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.00%

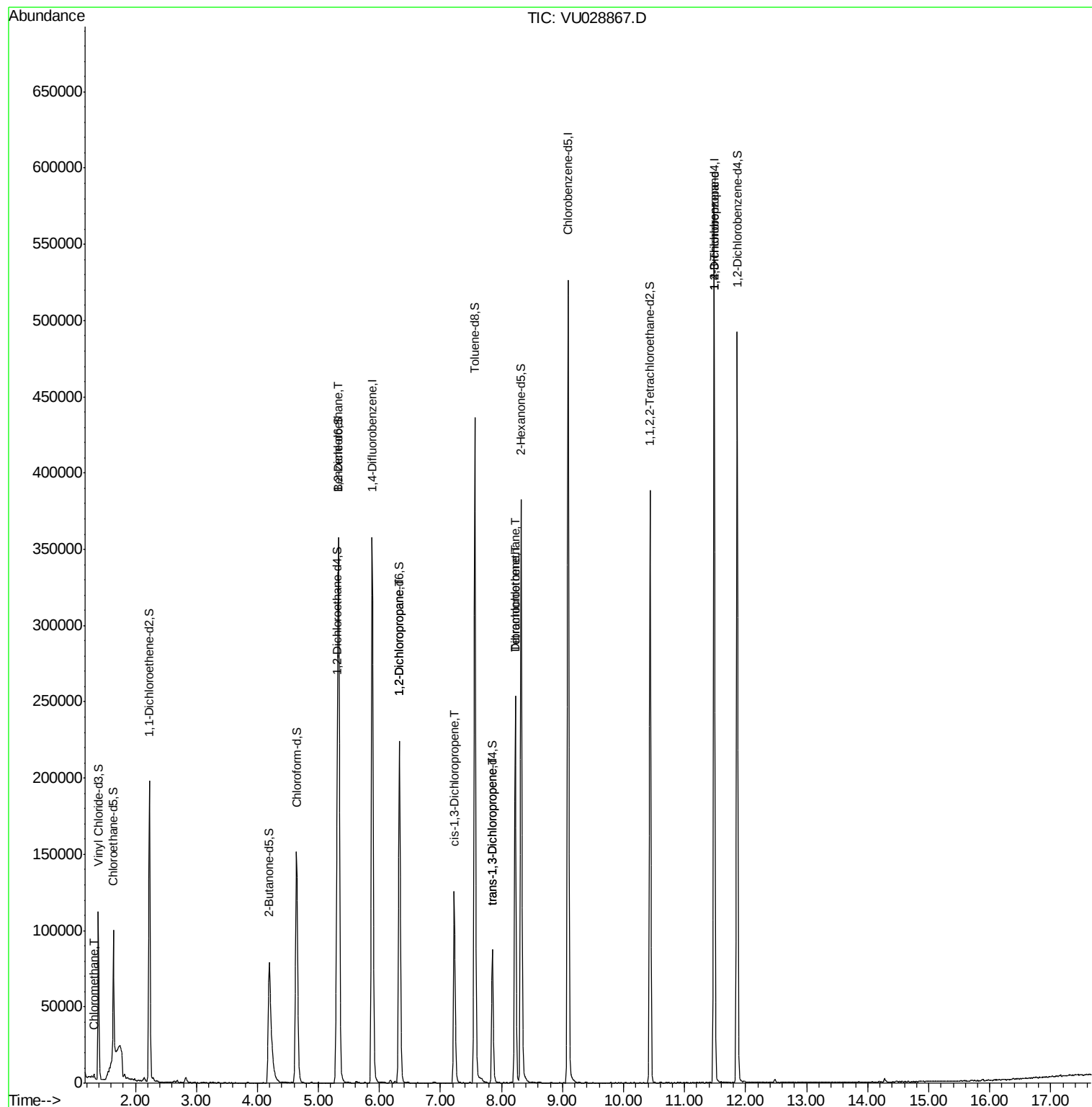
Target Compounds

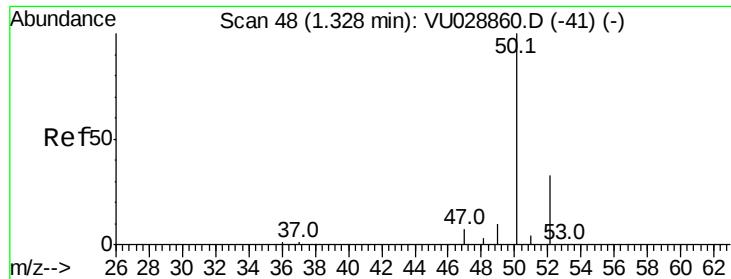
					Ovalue
3) Chloromethane	1.32	50	2660	0.743 ug/L	92
27) 1,2-Dichloroethane	5.33	62	1677	0.544 ug/L #	74
37) 1,2-Dichloropropane	6.33	63	11915	4.270 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	2992	0.752 ug/L #	58
44) trans-1,3-Dichloropropene	7.85	75	2009	0.567 ug/L	90
46) Tetrachloroethene	8.22	164	60369	32.524 ug/L	97
49) Dibromochloromethane	8.22	129	54945	23.120 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	17951	5.391 ug/L	95

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

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.743 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028867.D

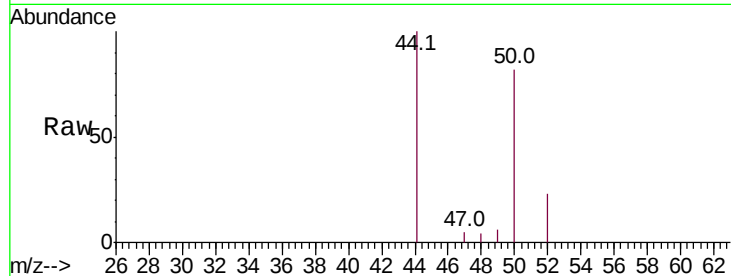
Acq: 21 Dec 2018 12:33

Tot Ion: 50 Resp: 2660

Ion Ratio Lower Upper

50 100

52 27.5 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

2500

2000

1500

1000

500

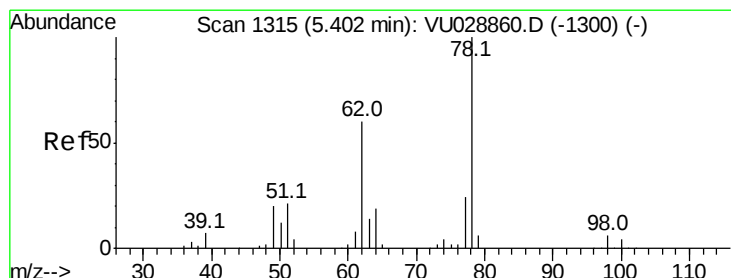
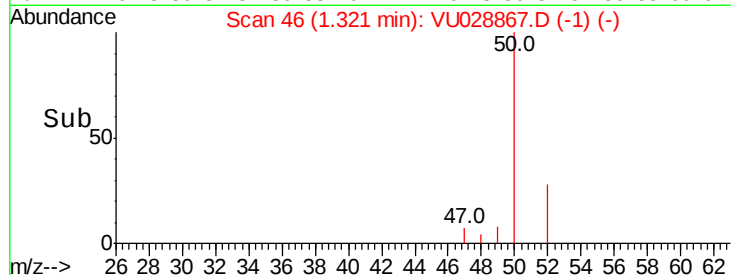
0

1.30

1.32

1.35

Time-->



#27

1,2-Dichloroethane

Concen: 0.544 ug/L

RT: 5.33 min Scan# 1292

Delta R.T. -0.07 min

Lab File: VU028867.D

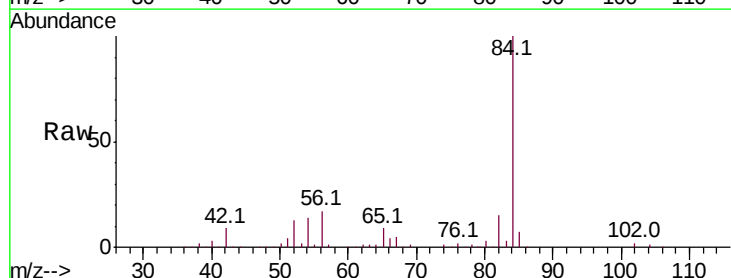
Acq: 21 Dec 2018 12:33

Tgt Ion: 62 Resp: 1677

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

1000

800

600

400

200

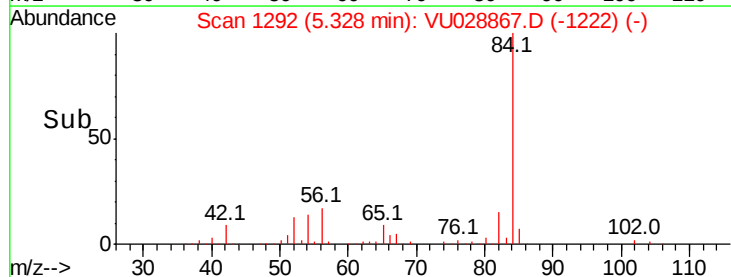
0

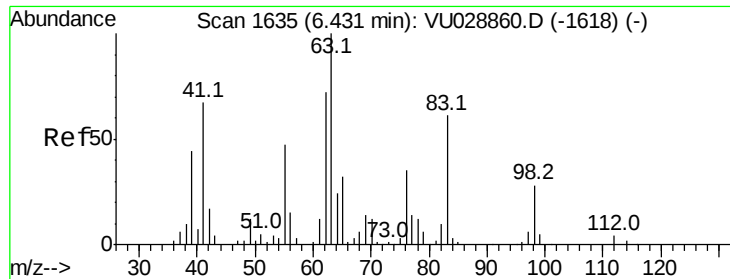
5.30

5.33

5.35

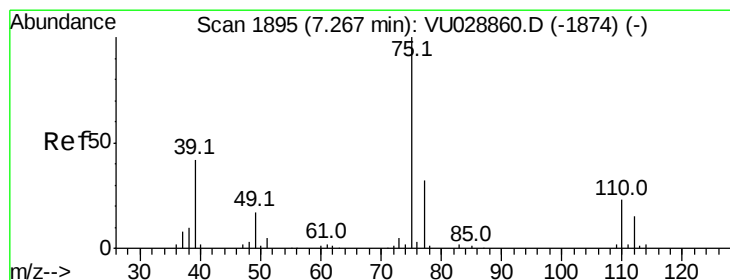
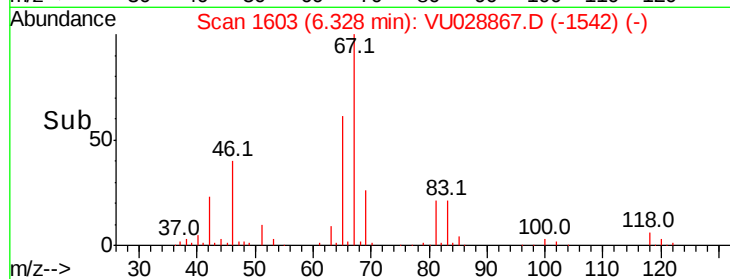
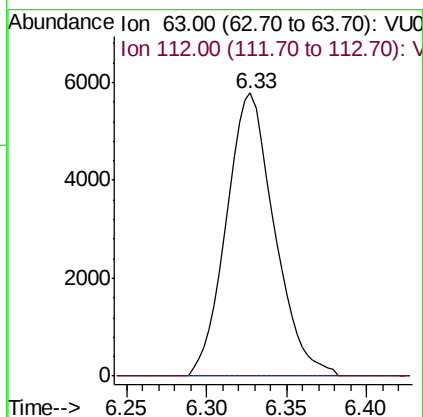
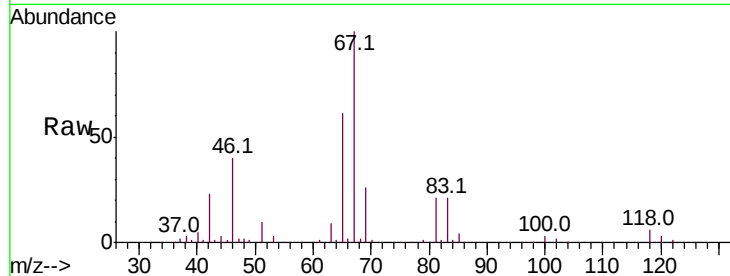
Time-->





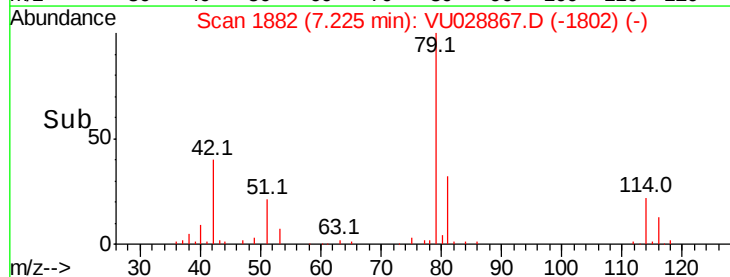
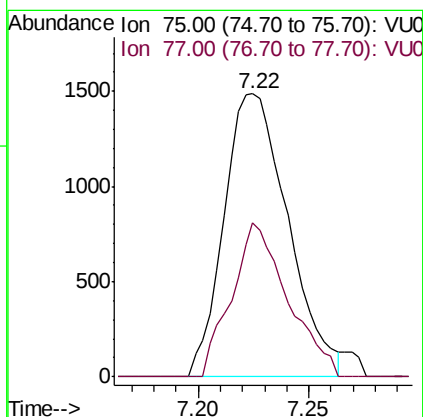
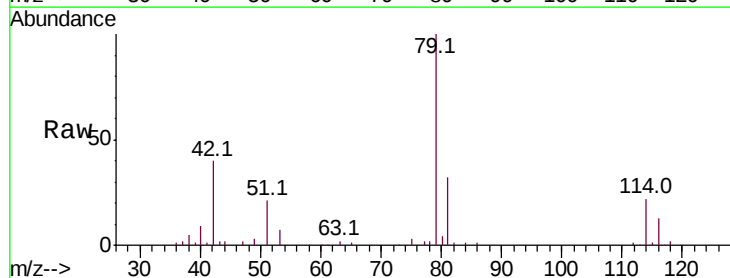
#37
 1,2-Dichloropropane
 Concen: 4.270 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028867.D
 Acq: 21 Dec 2018 12:33

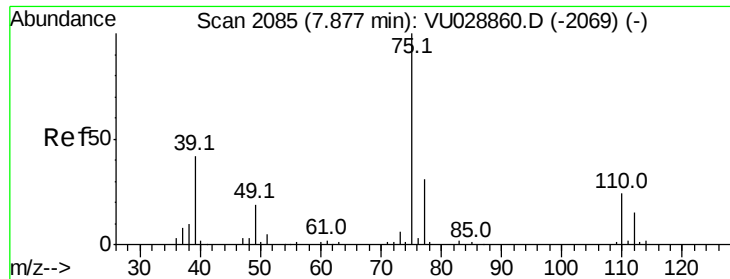
Tot Ion: 63 Resp: 11915
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.752 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028867.D
 Acq: 21 Dec 2018 12:33

Tgt Ion: 75 Resp: 2992
 Ion Ratio Lower Upper
 75 100
 77 54.3 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.567 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU028867.D

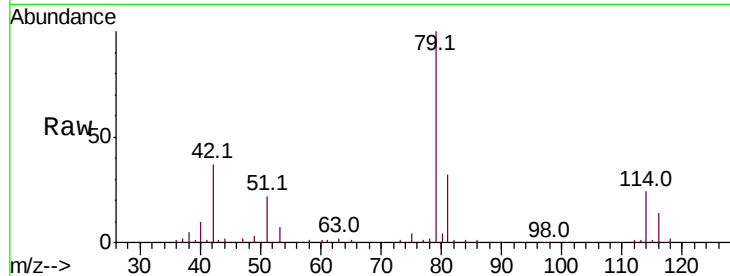
Acq: 21 Dec 2018 12:33

Tot Ion: 75 Resp: 2009

Ion Ratio Lower Upper

75 100

77 36.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU028860.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU028860.D (-2069) (-)

7.85

1200

1000

800

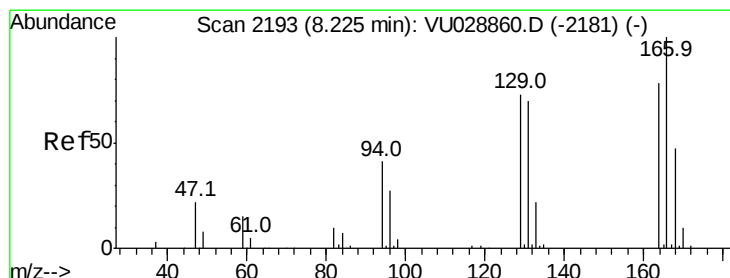
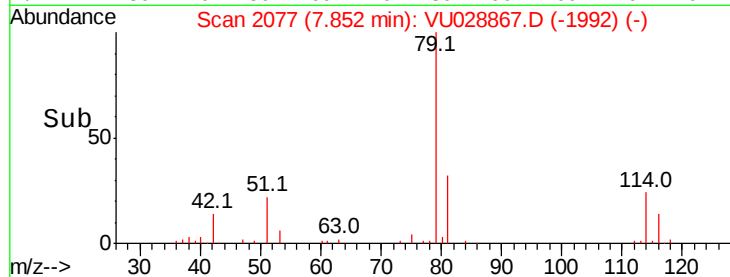
600

400

200

0

Time--> 7.80 7.85 7.90



#46

Tetrachloroethene

Concen: 32.524 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028867.D

Acq: 21 Dec 2018 12:33

Tgt Ion:164 Resp: 60369

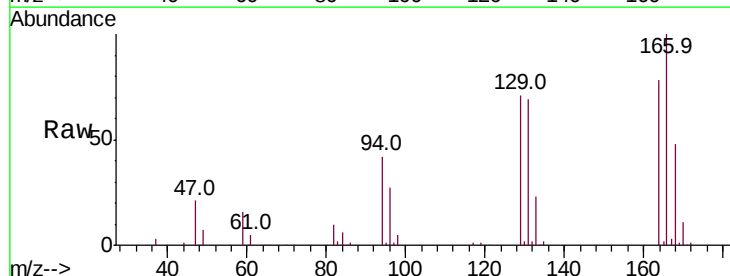
Ion Ratio Lower Upper

164 100

129 90.8 66.8 124.0

131 89.1 64.2 119.2

166 128.3 90.8 168.6



Abundance Ion 164.00 (163.70 to 164.70): VU028860.D (-2181) (-)

Ion 129.00 (128.70 to 129.70): VU028860.D (-2181) (-)

Ion 131.00 (130.70 to 131.70): VU028860.D (-2181) (-)

Ion 166.00 (165.70 to 166.70): VU028860.D (-2181) (-)

8.22

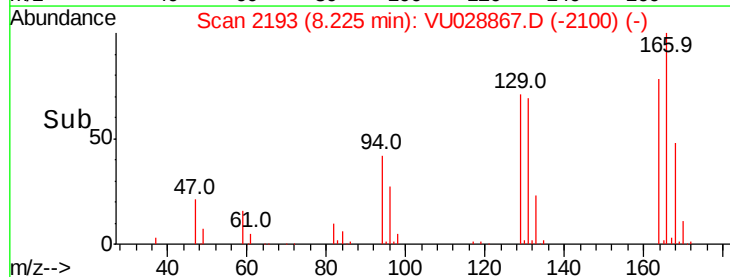
60000

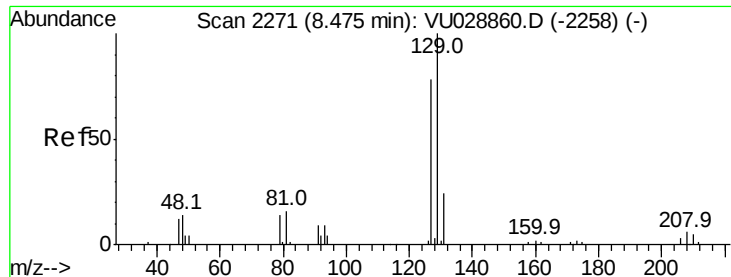
40000

20000

0

Time--> 8.15 8.20 8.25 8.30





#49

Dibromochloromethane

Concen: 23.120 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028867.D

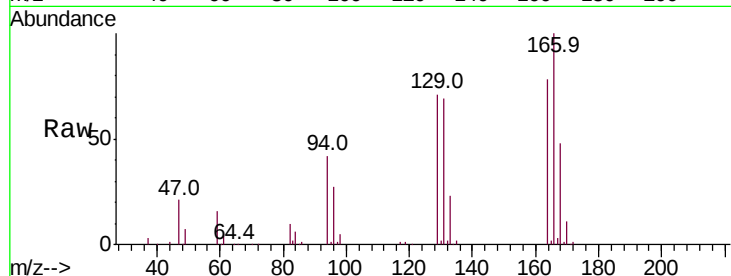
Acq: 21 Dec 2018 12:33

Tot Ion:129 Resp: 54945

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

8.22

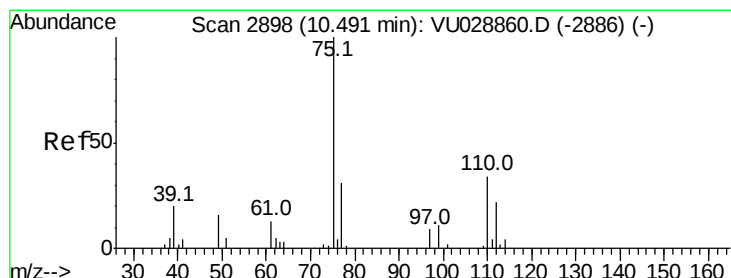
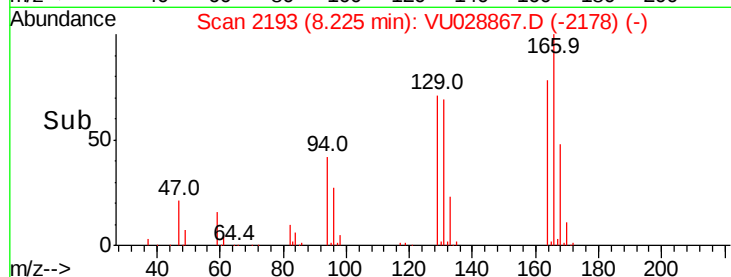
30000

20000

10000

0

Time--> 8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 5.391 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028867.D

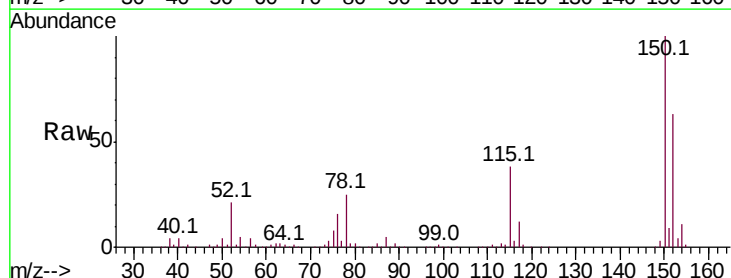
Acq: 21 Dec 2018 12:33

Tgt Ion: 75 Resp: 17951

Ion Ratio Lower Upper

75 100

77 34.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

10000

5000

0

Time--> 11.45 11.50

