

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028881.D
 Acq On : 21 Dec 2018 18:13
 Operator : MD/SY
 Sample : J6419-12MEDL 4X
 Misc : 5.55u/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 21 23:33:03 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	174658	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	172181	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76152	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	40609	29.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.00%#
7) Chloroethane-d5	1.64	69	28177	26.05	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	52.10%#
11) 1,1-Dichloroethene-d2	2.25	63	53130	22.56	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	45.12%#
21) 2-Butanone-d5	4.18	46	91953	93.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.73%
24) Chloroform-d	4.64	84	80535	36.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.16%
26) 1,2-Dichloroethane-d4	5.30	65	52072	38.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.74%
32) Benzene-d6	5.33	84	164616	33.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.68%#
36) 1,2-Dichloropropane-d6	6.33	67	60970	36.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.80%
41) Toluene-d8	7.56	98	140760	31.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	63.86%#
43) trans-1,3-Dichloropropene-	7.85	79	26161	35.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.66%
47) 2-Hexanone-d5	8.31	63	77012	98.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100327	43.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	62157	40.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.72%

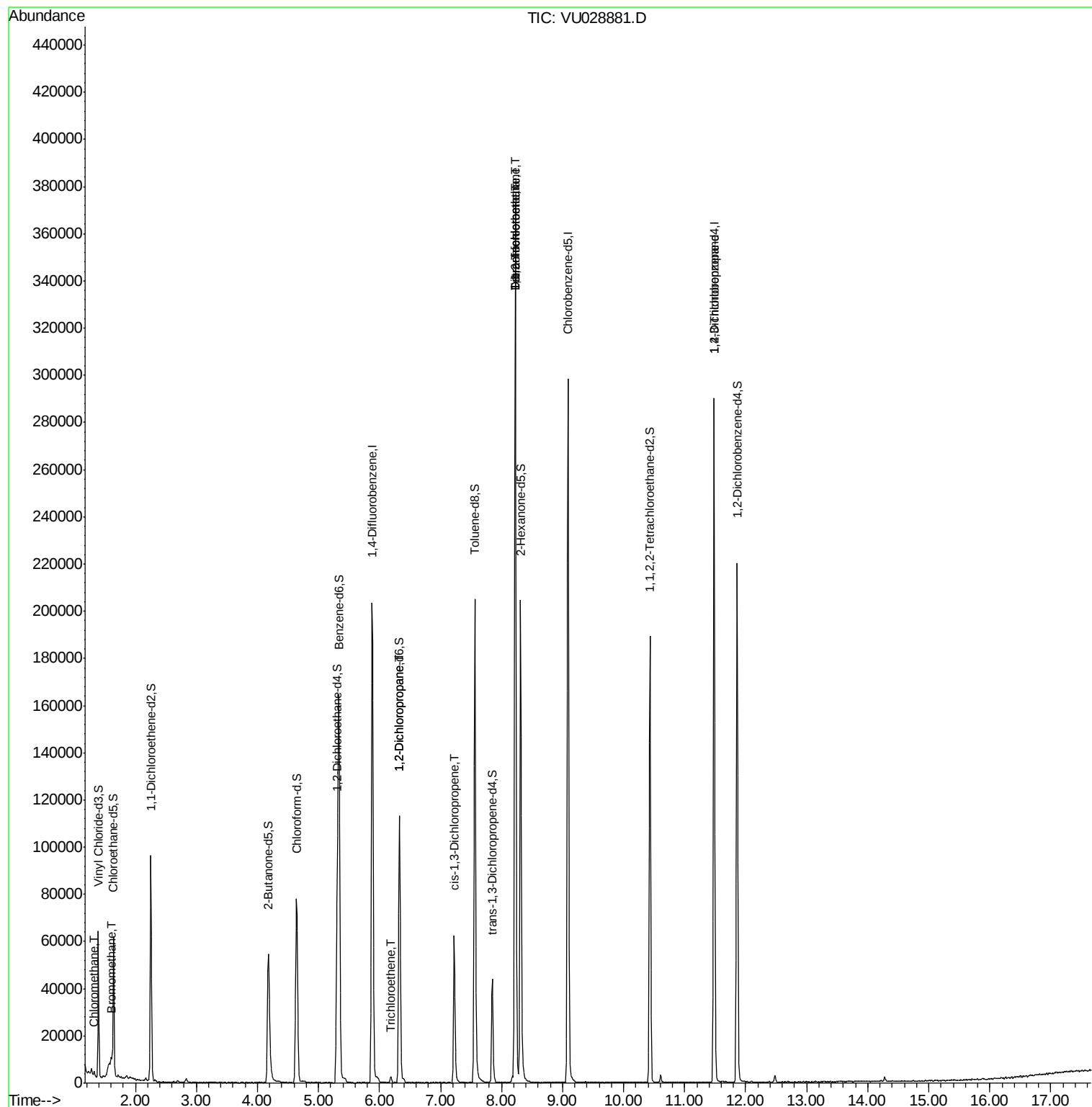
Target Compounds

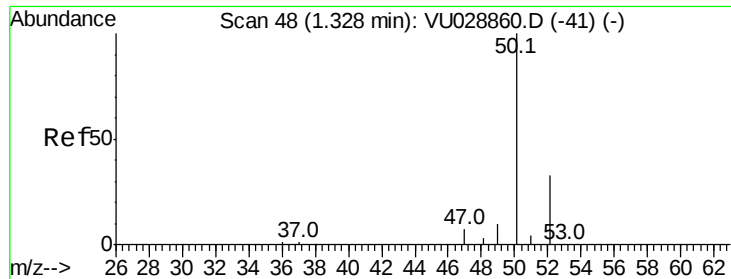
					Ovalue
3) Chloromethane	1.32	50	1519	0.784	ug/L 95
6) Bromomethane	1.60	94	436	0.598	ug/L 90
34) Trichloroethene	6.19	95	934	0.706	ug/L 86
37) 1,2-Dichloropropane	6.33	63	5512	3.597	ug/L # 90
39) cis-1,3-Dichloropropene	7.22	75	1279	0.585	ug/L # 64
45) 1,1,2-Trichloroethane	8.22	97	593	0.453	ug/L # 1
46) Tetrachloroethene	8.22	164	88930	87.252	ug/L 98
49) Dibromochloromethane	8.22	129	81436	62.404	ug/L # 11
59) 1,2,3-Trichloropropane	11.48	75	9589	5.244	ug/L 96

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

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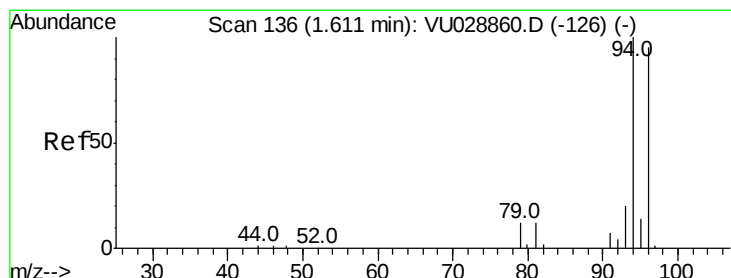
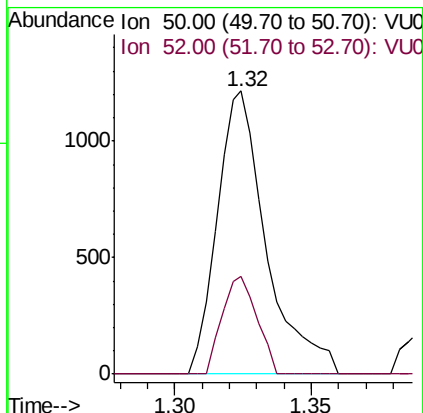
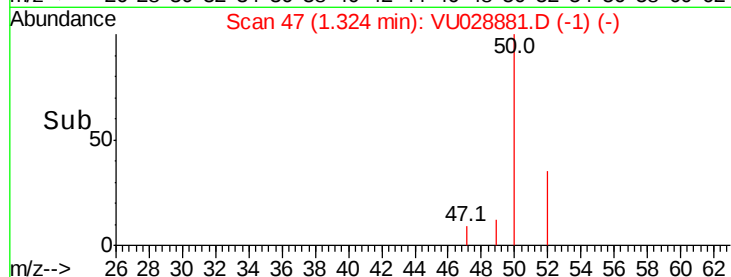
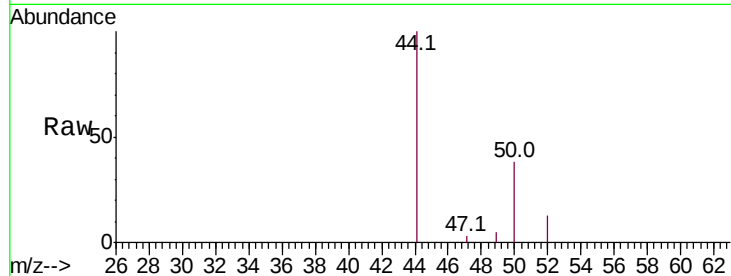
Quant Time: Dec 21 23:33:03 2018
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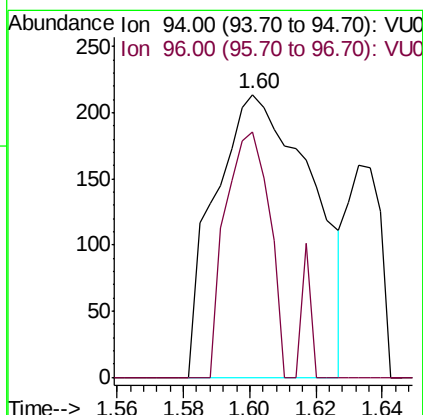
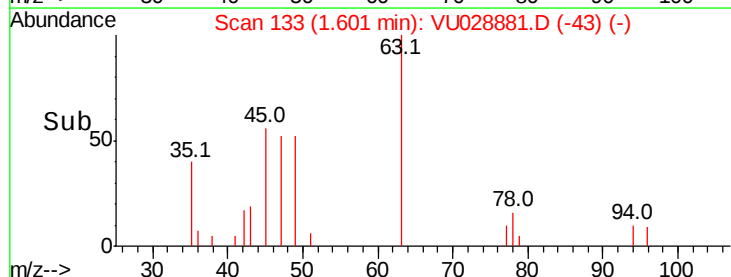
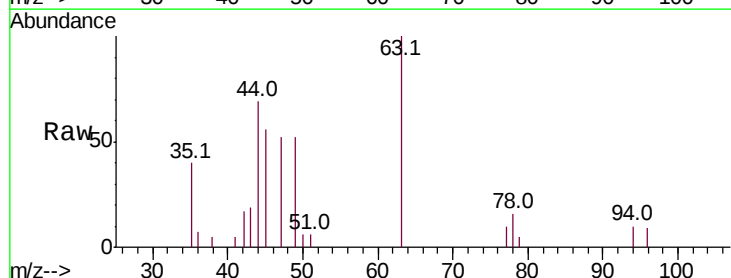
#3
Chloromethane
Concen: 0.784 ug/L
RT: 1.32 min Scan# 47
Delta R.T. -0.00 min
Lab File: VU028881.D
Acq: 21 Dec 2018 18:13

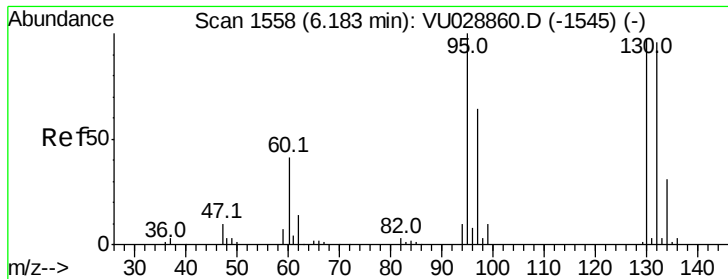
Tot Ion: 50 Resp: 1519
Ion Ratio Lower Upper
50 100
52 34.7 22.3 41.3



#6
Bromomethane
Concen: 0.598 ug/L
RT: 1.60 min Scan# 133
Delta R.T. -0.01 min
Lab File: VU028881.D
Acq: 21 Dec 2018 18:13

Tgt Ion: 94 Resp: 436
Ion Ratio Lower Upper
94 100
96 86.4 67.3 125.1





#34

Trichloroethene

Concen: 0.706 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028881.D

Acq: 21 Dec 2018 18:13

Tot Ion: 95 Resp: 934

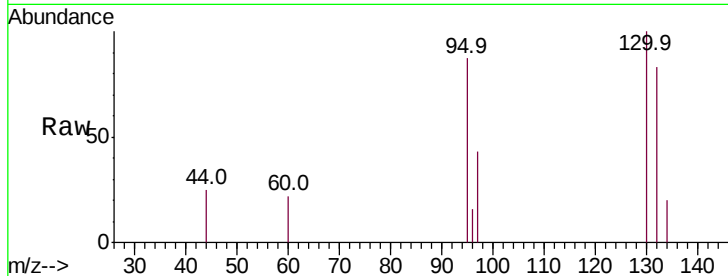
Ion Ratio Lower Upper

95 100

97 49.2 43.3 80.3

132 96.3 64.2 119.2

130 115.4 67.1 124.7

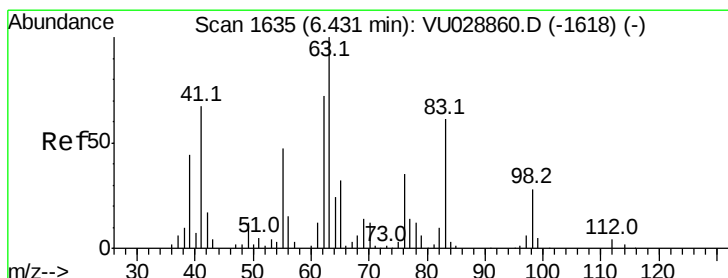
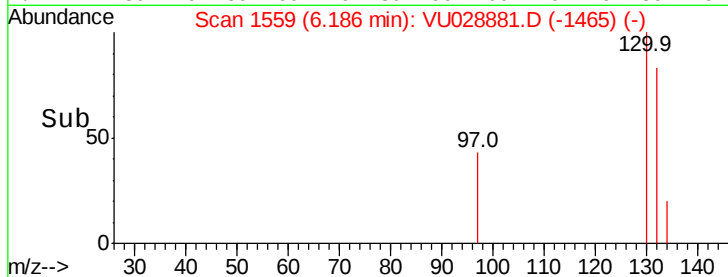
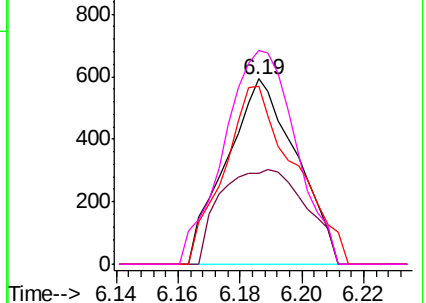


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 3.597 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028881.D

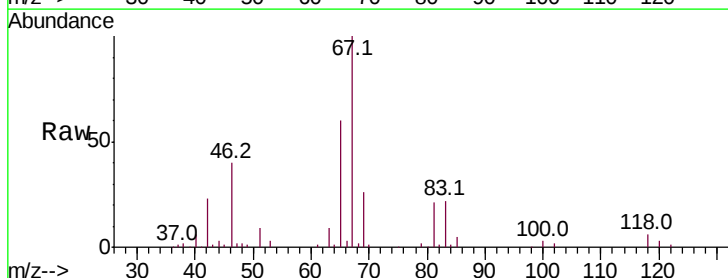
Acq: 21 Dec 2018 18:13

Tgt Ion: 63 Resp: 5512

Ion Ratio Lower Upper

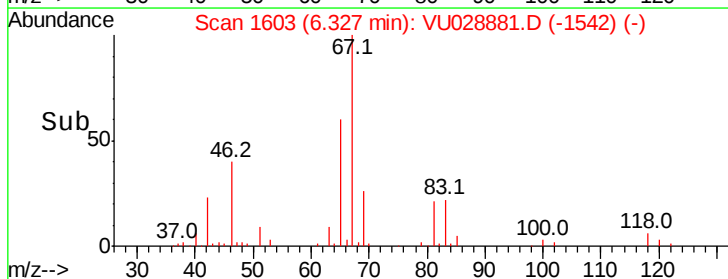
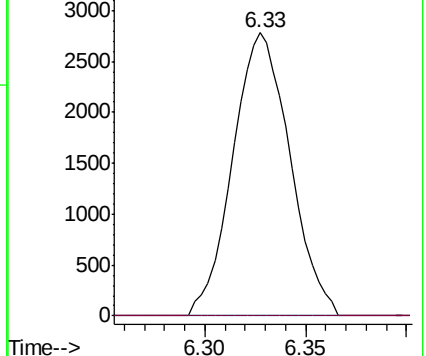
63 100

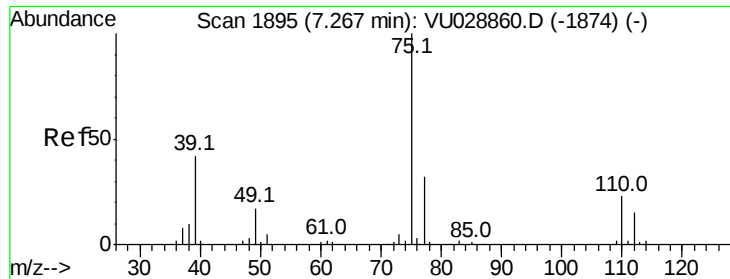
112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

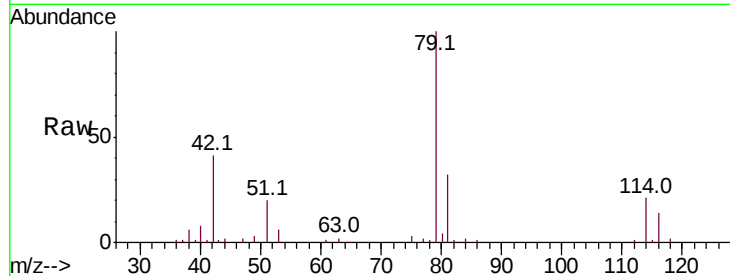




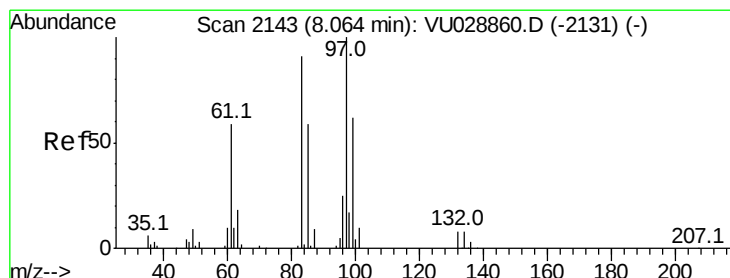
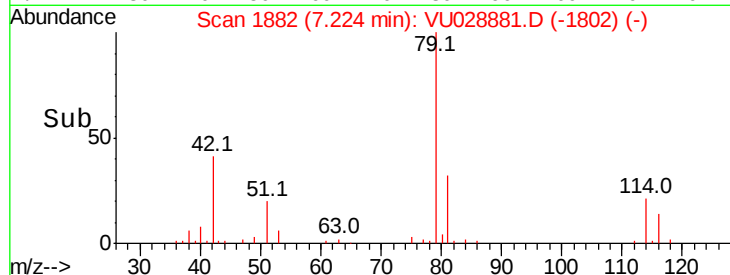
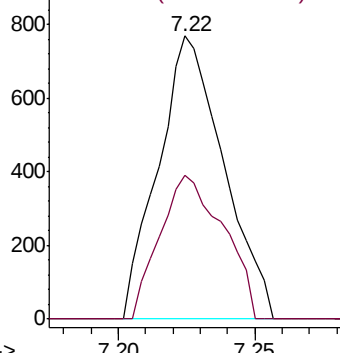
#39

cis-1,3-Dichloropropene
 Concen: 0.585 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028881.D
 Acq: 21 Dec 2018 18:13

Tot Ion: 75 Resp: 1279
 Ion Ratio Lower Upper
 75 100
 77 50.8 21.8 40.6#



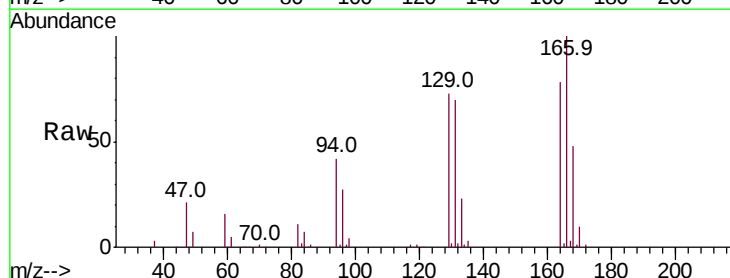
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0



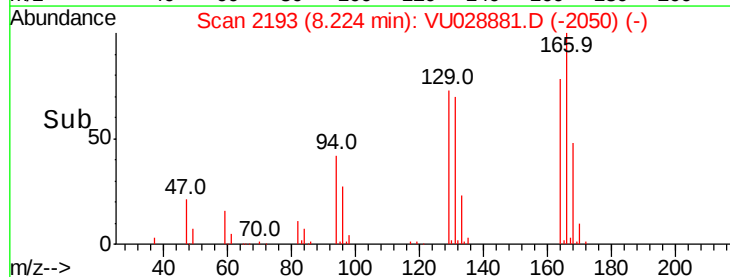
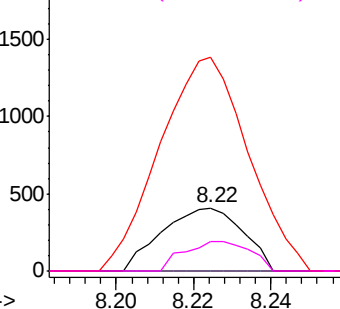
#45

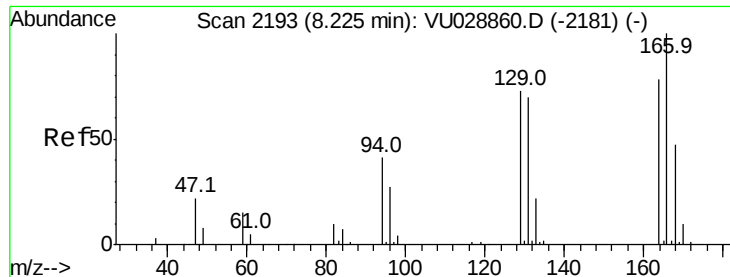
1,1,2-Trichloroethane
 Concen: 0.453 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.16 min
 Lab File: VU028881.D
 Acq: 21 Dec 2018 18:13

Tgt Ion: 97 Resp: 593
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.2 82.2#
 83 339.8 64.5 119.9#
 85 47.4 40.9 75.9



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#46

Tetrachloroethene

Concen: 87.252 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028881.D

Acq: 21 Dec 2018 18:13

Tot Ion:164 Resp: 88930

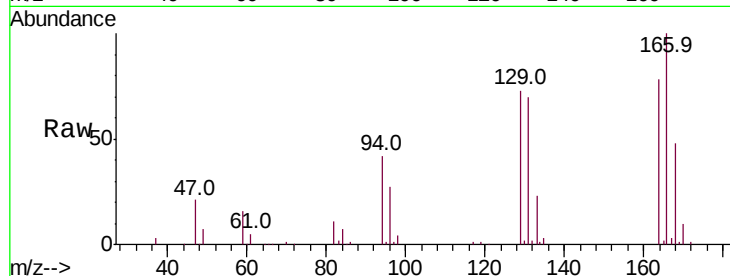
Ion Ratio Lower Upper

164 100

129 92.8 66.8 124.0

131 89.2 64.2 119.2

166 127.9 90.8 168.6

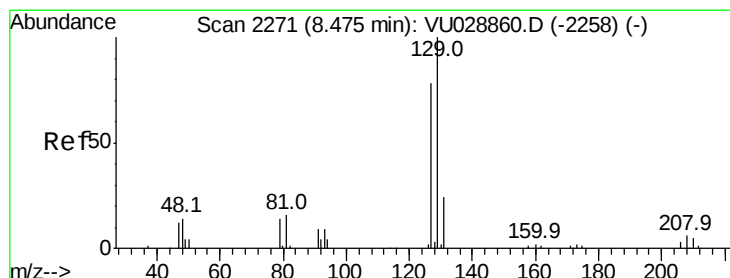
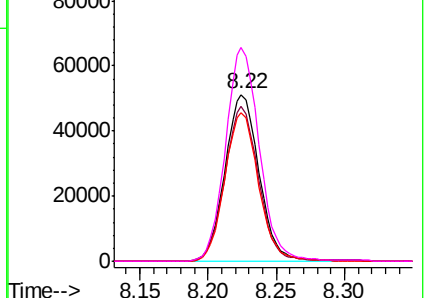
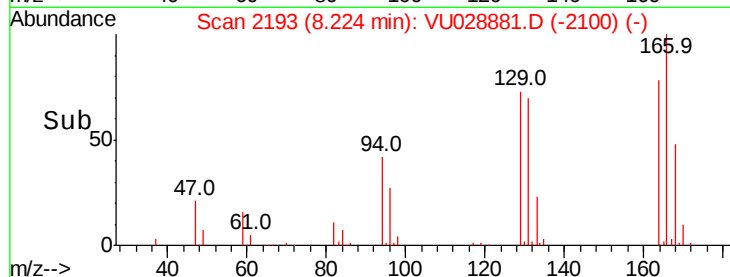


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 62.404 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028881.D

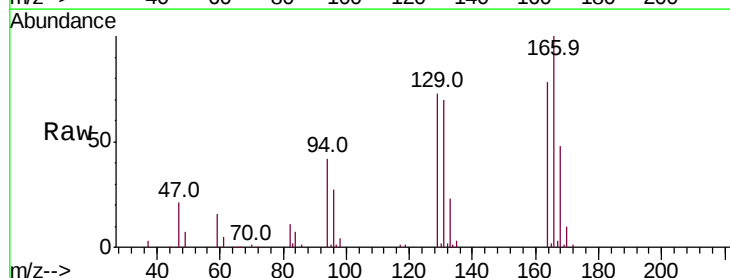
Acq: 21 Dec 2018 18:13

Tgt Ion:129 Resp: 81436

Ion Ratio Lower Upper

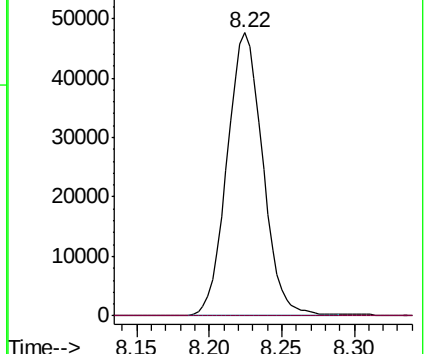
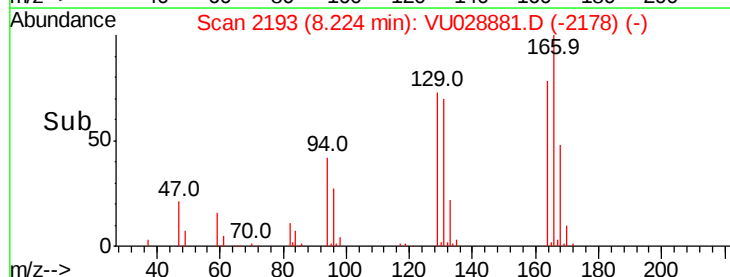
129 100

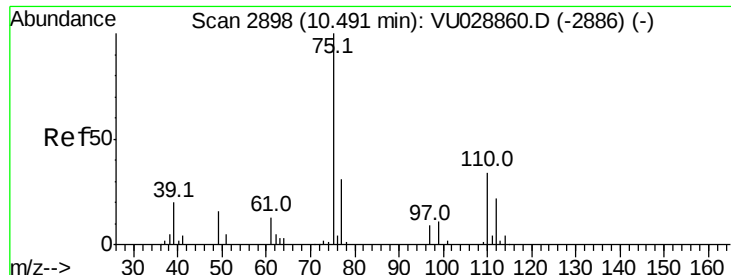
127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.244 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028881.D

Acq: 21 Dec 2018 18:13

Tot Ion: 75 Resp: 9589

Ion Ratio Lower Upper

75 100

77 34.0 25.5 38.3

