

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028868.D
 Acq On : 21 Dec 2018 12:57
 Operator : MD/SY
 Sample : J6468-14ME
 Misc : 4.93g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 21 23:31:19 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	191214	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	186937	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87104	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44728	29.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.36%#
7) Chloroethane-d5	1.64	69	27564	23.28	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	46.56%#
11) 1,1-Dichloroethene-d2	2.22	63	60170	23.34	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	46.68%#
21) 2-Butanone-d5	4.20	46	97984	91.23	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.23%
24) Chloroform-d	4.64	84	88461	36.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.40%
26) 1,2-Dichloroethane-d4	5.30	65	57526	38.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.42%
32) Benzene-d6	5.33	84	187658	35.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.06%
36) 1,2-Dichloropropane-d6	6.33	67	68800	38.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	76.70%
41) Toluene-d8	7.56	98	163027	34.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.12%#
43) trans-1,3-Dichloropropene-	7.85	79	30109	37.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.90%
47) 2-Hexanone-d5	8.32	63	82697	97.05	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.05%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	112035	45.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	70974	40.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.58%

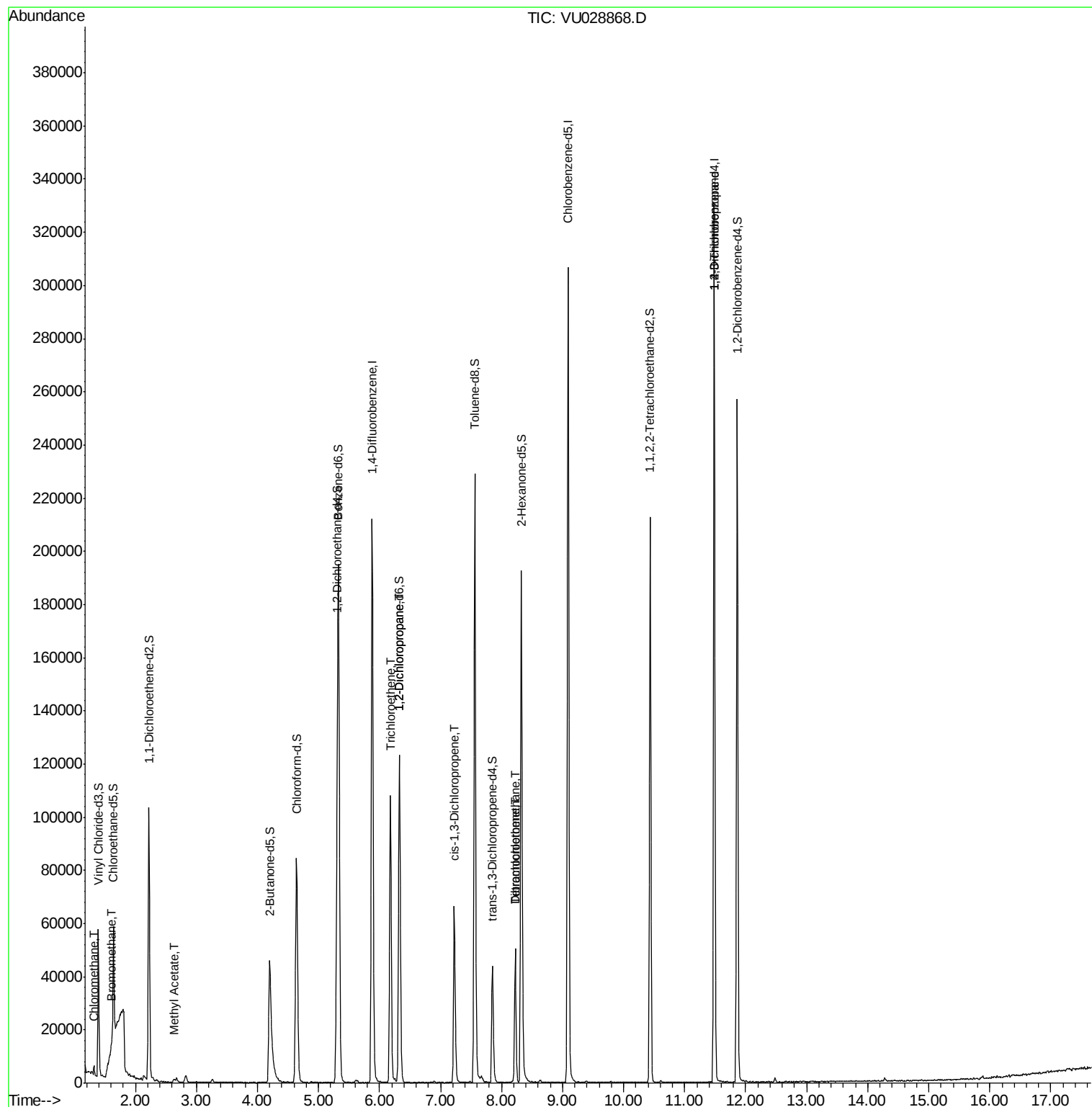
Target Compounds

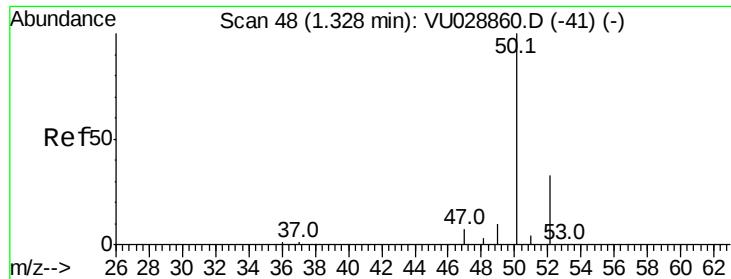
					Ovalue
3) Chloromethane	1.32	50	2978	1.405 ug/L	99
6) Bromomethane	1.60	94	511	0.640 ug/L	89
15) Methyl Acetate	2.64	43	1871	1.096 ug/L #	62
34) Trichloroethene	6.18	95	40093	27.904 ug/L	99
37) 1,2-Dichloropropane	6.33	63	6394	3.843 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1609	0.678 ug/L #	67
46) Tetrachloroethene	8.22	164	12291	11.107 ug/L	96
49) Dibromochloromethane	8.22	129	11386	8.036 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10804	5.442 ug/L	100

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

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#3

Chloromethane

Concen: 1.405 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028868.D

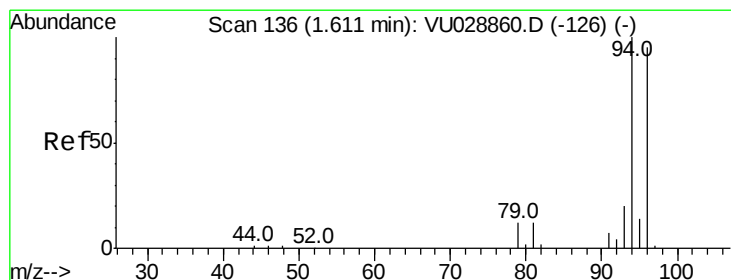
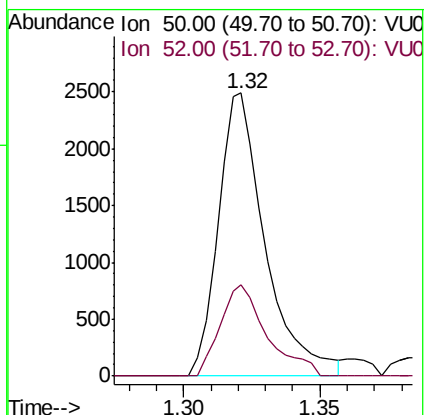
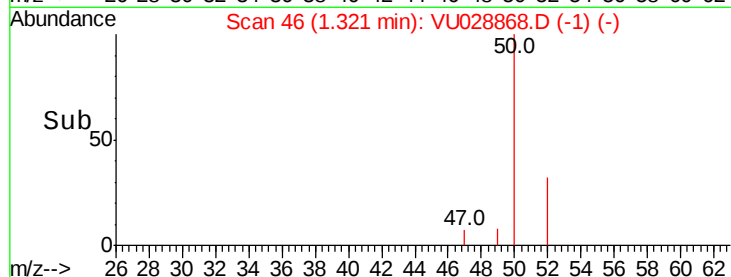
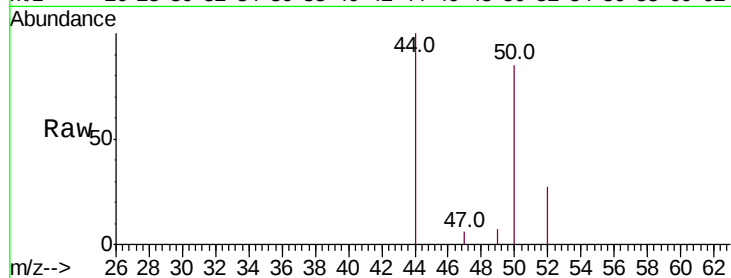
Acq: 21 Dec 2018 12:57

Tot Ion: 50 Resp: 2978

Ion Ratio Lower Upper

50 100

52 32.5 22.3 41.3



#6

Bromomethane

Concen: 0.640 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.01 min

Lab File: VU028868.D

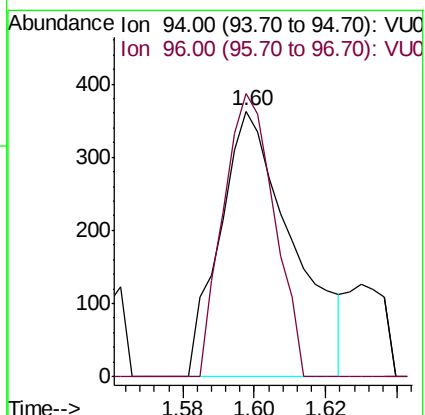
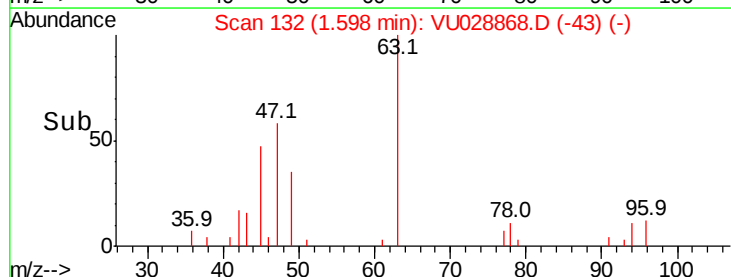
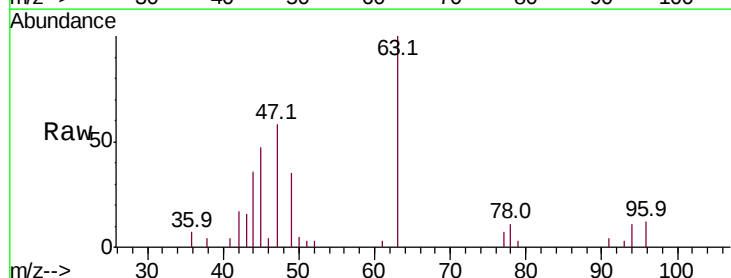
Acq: 21 Dec 2018 12:57

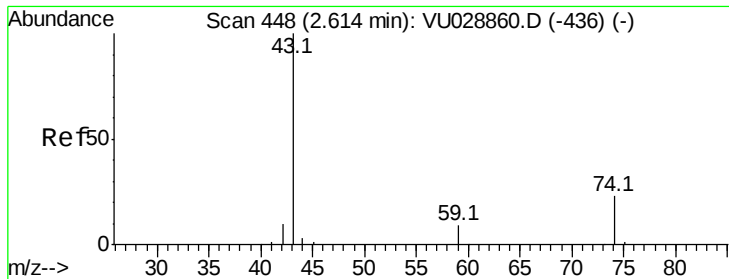
Tgt Ion: 94 Resp: 511

Ion Ratio Lower Upper

94 100

96 106.6 67.3 125.1





#15

Methvl Acetate

Concen: 1.096 ug/L

RT: 2.64 min Scan# 455

Delta R.T. 0.02 min

Lab File: VU028868.D

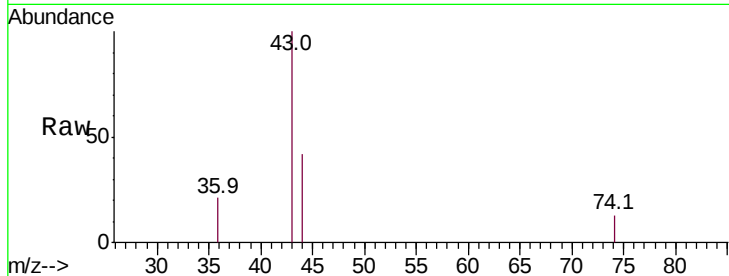
Acq: 21 Dec 2018 12:57

Tot Ion: 43 Resp: 1871

Ion Ratio Lower Upper

43 100

74 5.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.64

800

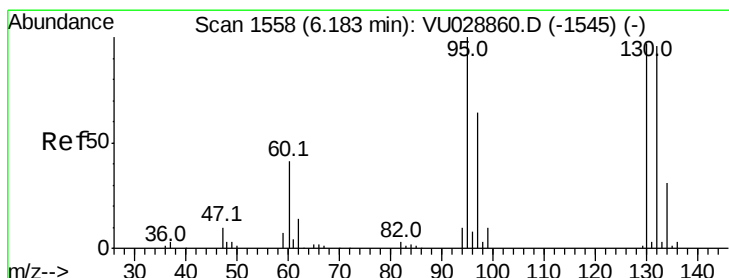
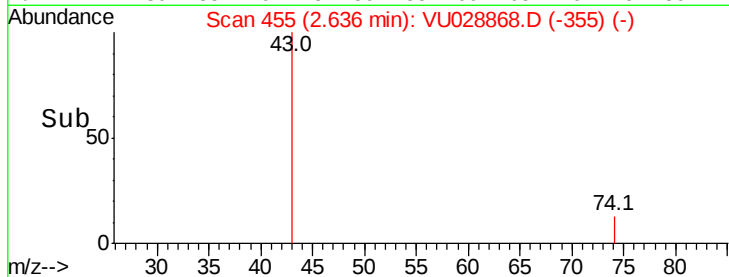
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 27.904 ug/L

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU028868.D

Acq: 21 Dec 2018 12:57

Tgt Ion: 95 Resp: 40093

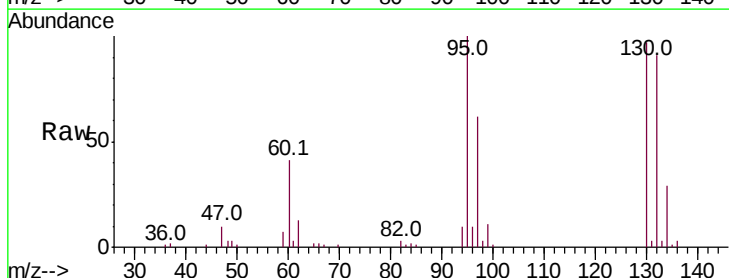
Ion Ratio Lower Upper

95 100

97 62.1 43.3 80.3

132 91.4 64.2 119.2

130 96.6 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

30000

25000

20000

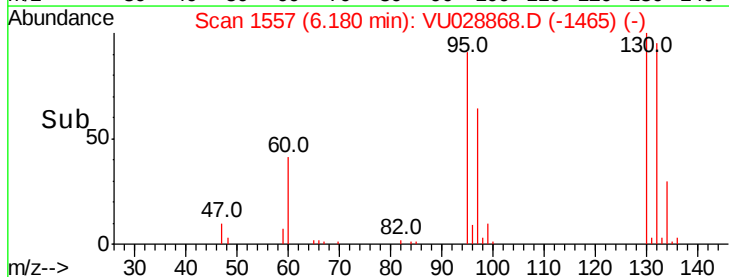
15000

10000

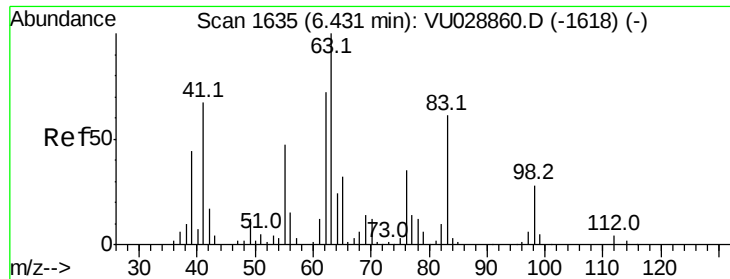
5000

0

Time-->

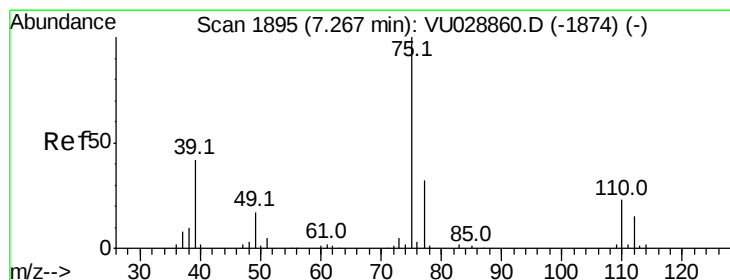
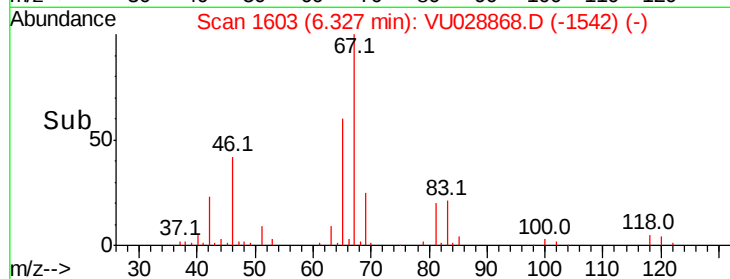
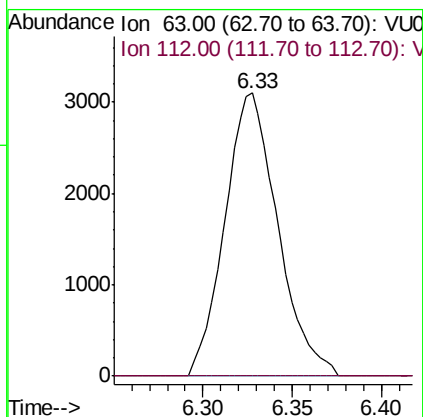
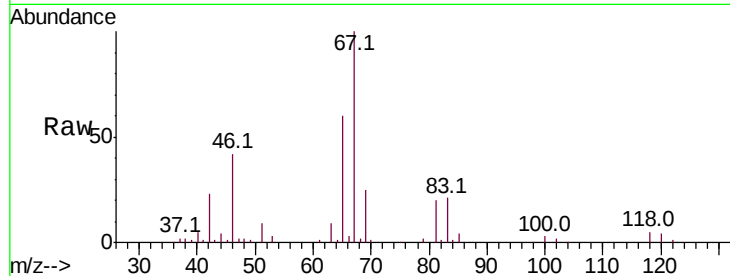


Time-->



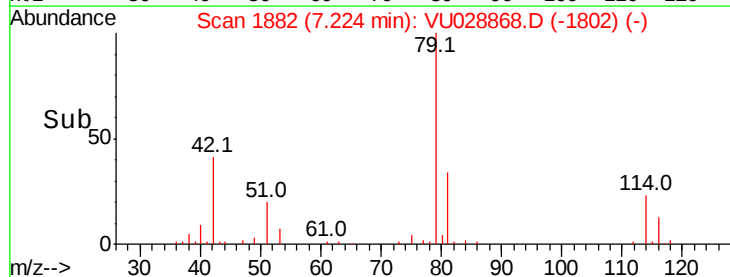
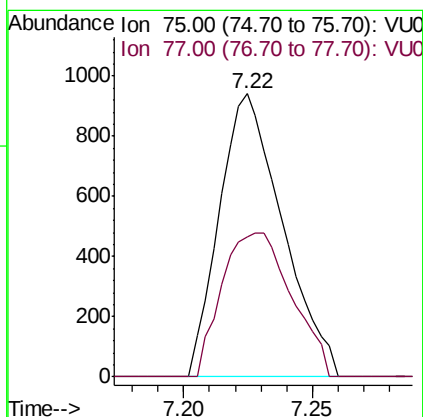
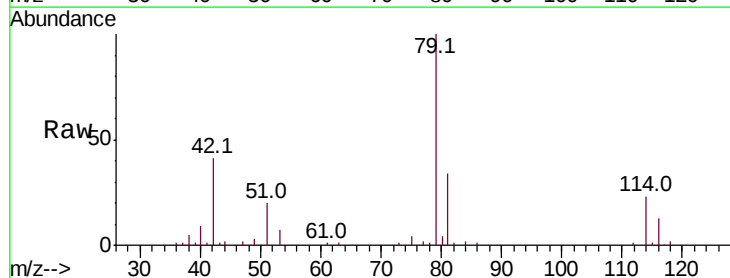
#37
 1,2-Dichloropropane
 Concen: 3.843 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028868.D
 Acq: 21 Dec 2018 12:57

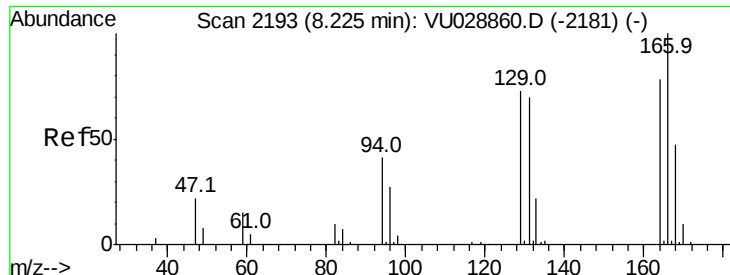
Tot Ion: 63 Resp: 6394
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.678 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028868.D
 Acq: 21 Dec 2018 12:57

Tgt Ion: 75 Resp: 1609
 Ion Ratio Lower Upper
 75 100
 77 49.3 21.8 40.6#





#46

Tetrachloroethene

Concen: 11.107 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028868.D

Acq: 21 Dec 2018 12:57

Tot Ion:164 Resp: 12291

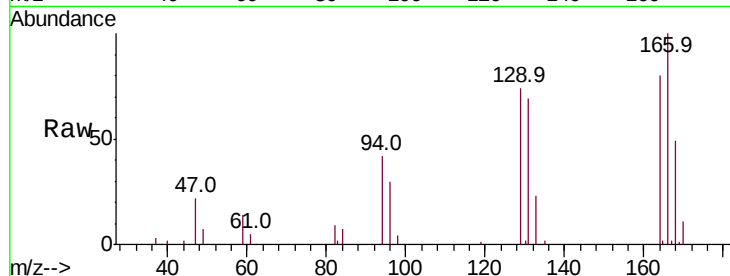
Ion Ratio Lower Upper

164 100

129 93.0 66.8 124.0

131 86.5 64.2 119.2

166 125.0 90.8 168.6

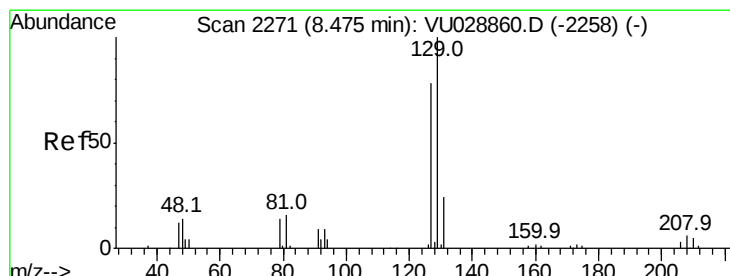
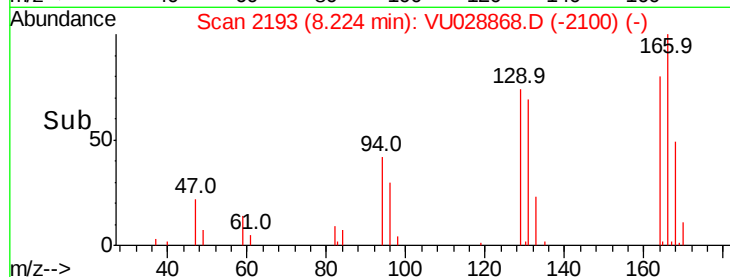
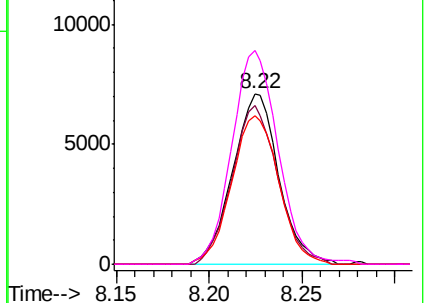


Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.036 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028868.D

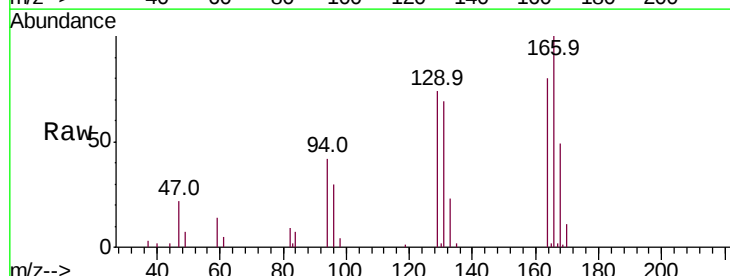
Acq: 21 Dec 2018 12:57

Tgt Ion:129 Resp: 11386

Ion Ratio Lower Upper

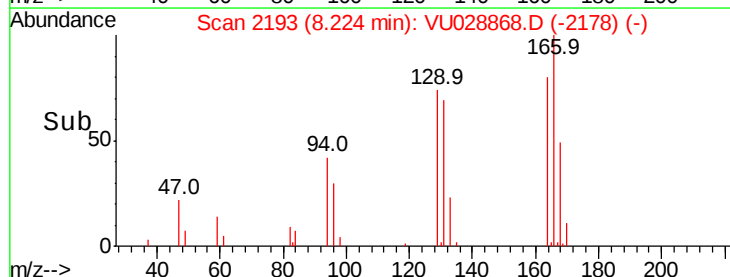
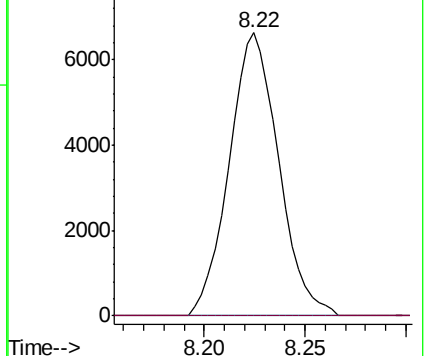
129 100

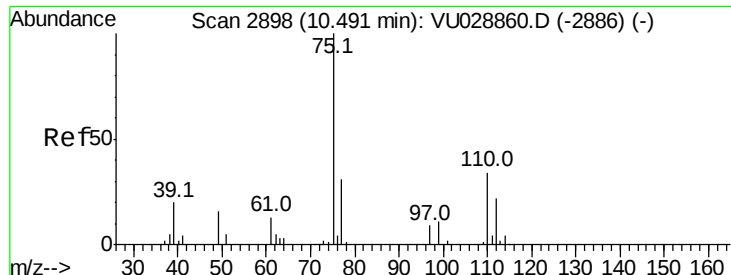
127 0.0 54.1 100.5#



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: 5.442 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU028868.D
 Acq: 21 Dec 2018 12:57

Tot Ion: 75 Resp: 10804
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3

