

Data File : VU028842.D
Acq On : 20 Dec 2018 22:19
Operator : MD/SY
Sample : J6506-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF010

Quant Time: Dec 21 06:01:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	194813	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	182631	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74531	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64743	41.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.90%
7) Chloroethane-d5	1.67	69	52625	43.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.24%
11) 1,1-Dichloroethene-d2	2.27	63	85118	32.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.82%
21) 2-Butanone-d5	4.17	46	117469	107.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.35%
24) Chloroform-d	4.65	84	113412	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
26) 1,2-Dichloroethane-d4	5.31	65	72803	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.18%
32) Benzene-d6	5.34	84	244952	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.33	67	86669	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.90%
41) Toluene-d8	7.57	98	215149	46.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.04%
43) trans-1,3-Dichloropropene-	7.85	79	36236	46.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.28%
47) 2-Hexanone-d5	8.31	63	91172	109.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118090	48.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	76660	50.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.72%

Target Compounds

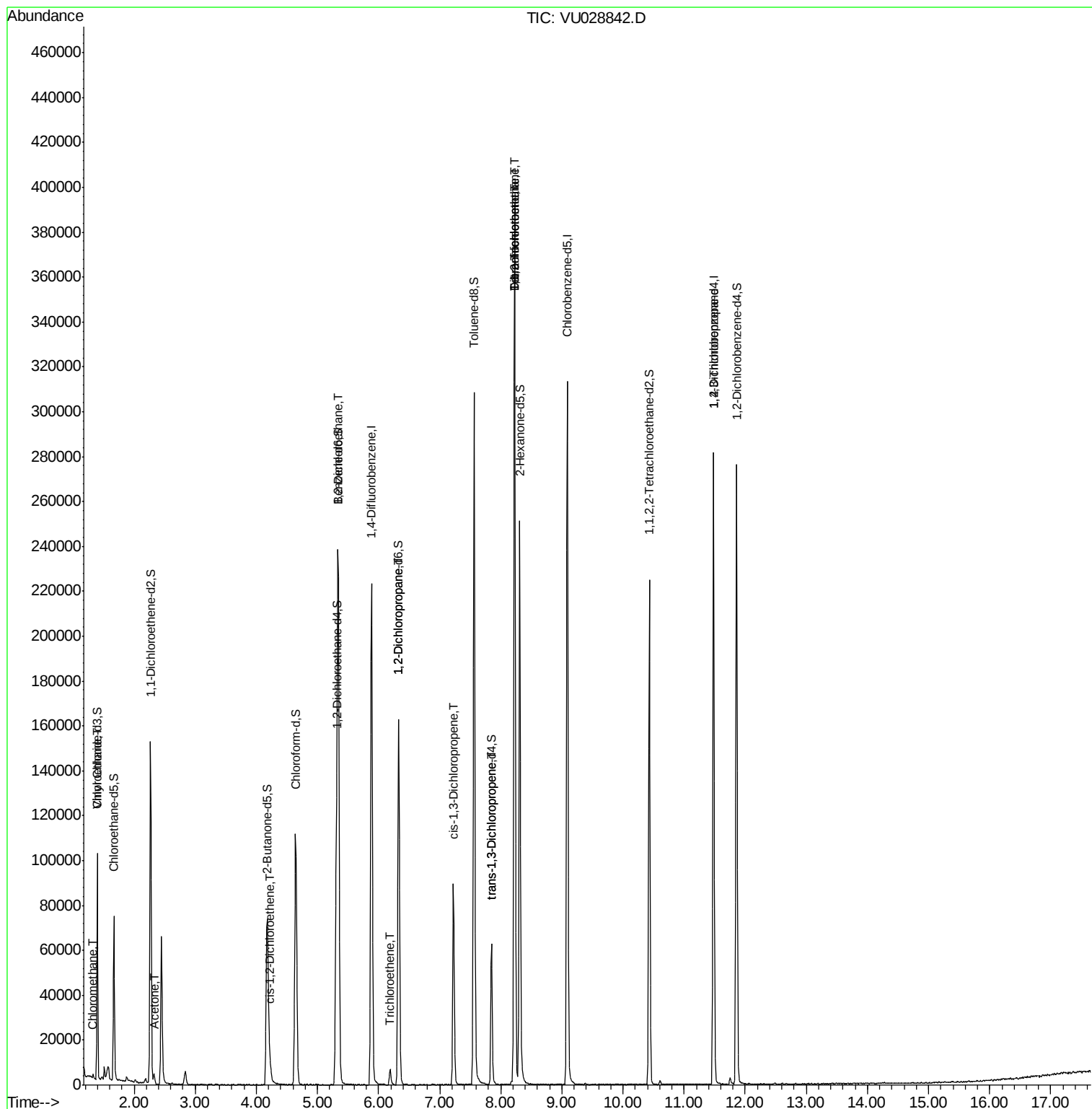
					Qvalue
3) Chloromethane	1.33	50	1764	0.817 ug/L	97
8) Chloroethane	1.40	64	926	0.850 ug/L #	1
13) Acetone	2.32	43	3608	3.236 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	2005	1.308 ug/L	90
27) 1,2-Dichloroethane	5.34	62	1068	0.574 ug/L #	74
34) Trichloroethene	6.19	95	2388	1.701 ug/L	93
37) 1,2-Dichloropropane	6.33	63	8131	5.003 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1853	0.800 ug/L #	51
44) trans-1,3-Dichloropropene	7.85	75	1377	0.667 ug/L	92
45) 1,1,2-Trichloroethane	8.22	97	649	0.467 ug/L #	1
46) Tetrachloroethene	8.22	164	92229	85.311 ug/L	97
49) Dibromochloromethane	8.22	129	86466	62.467 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9028	4.655 ug/L	94

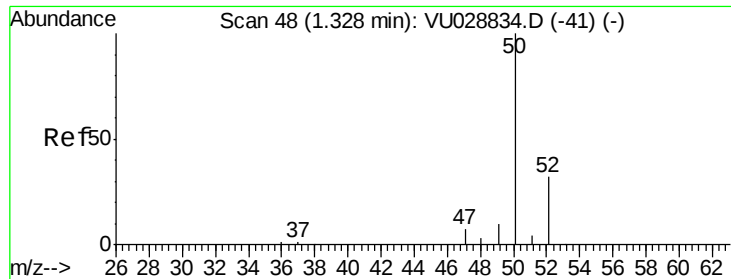
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.817 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028842.D

Acq: 20 Dec 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

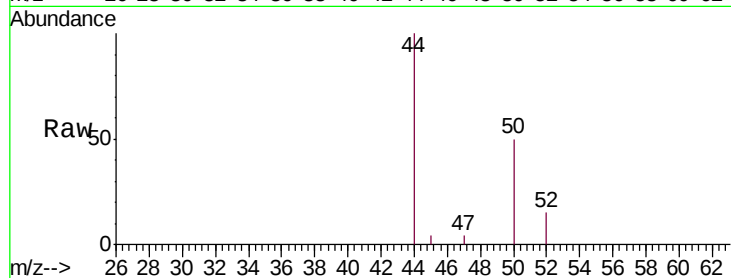
BF010

Tgt Ion: 50 Resp: 1764

Ion Ratio Lower Upper

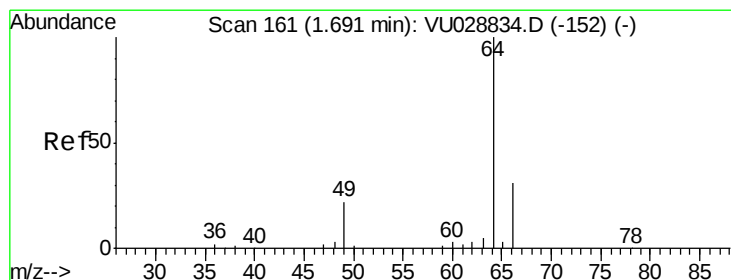
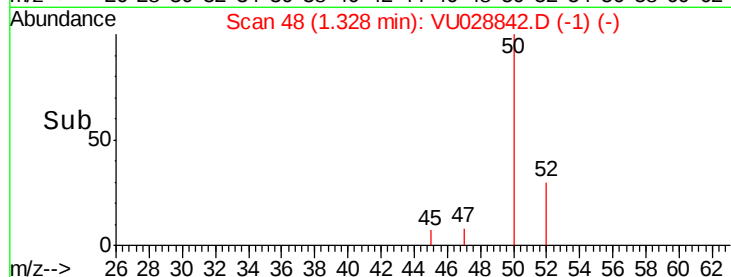
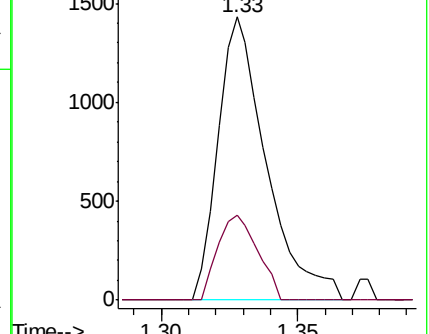
50 100

52 30.0 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#8

Chloroethane

Concen: 0.850 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028842.D

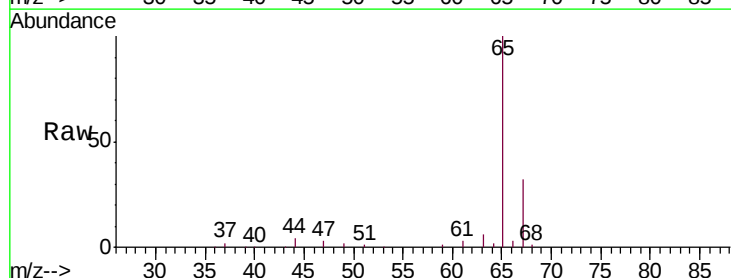
Acq: 20 Dec 2018 22:19

Tgt Ion: 64 Resp: 926

Ion Ratio Lower Upper

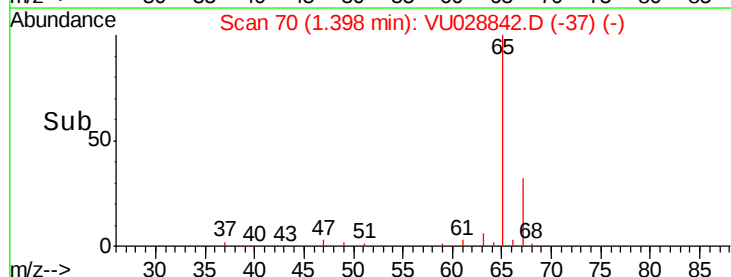
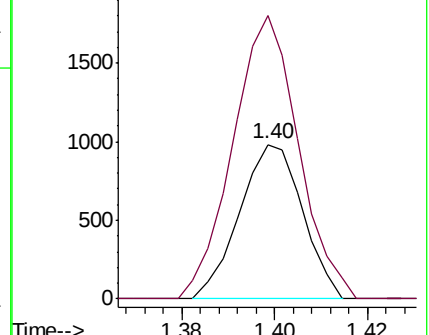
64 100

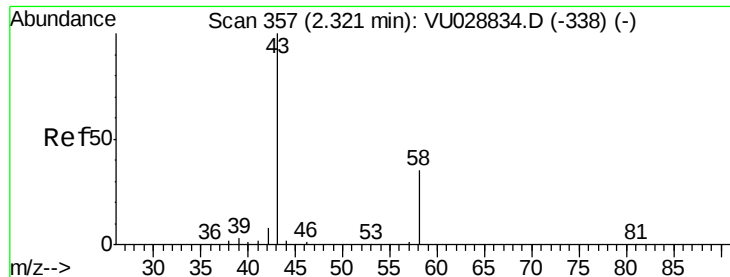
66 183.3 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#13

Acetone

Concen: 3.236 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028842.D

Acq: 20 Dec 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

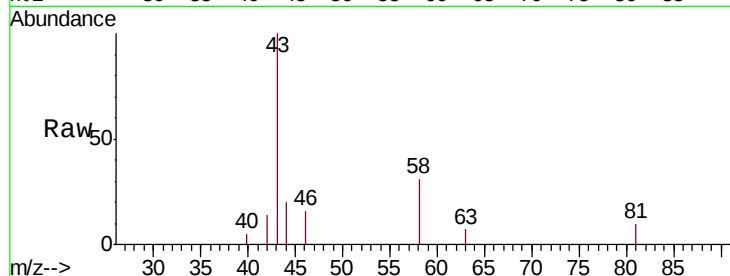
BF010

Tgt Ion: 43 Resp: 3608

Ion Ratio Lower Upper

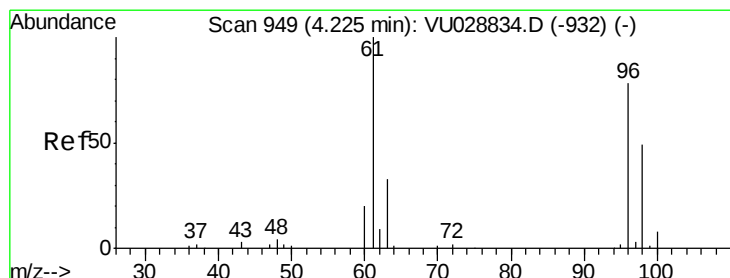
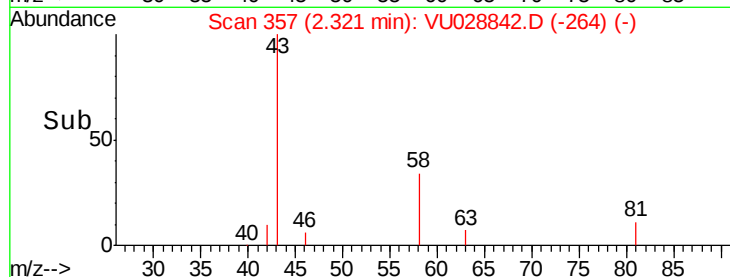
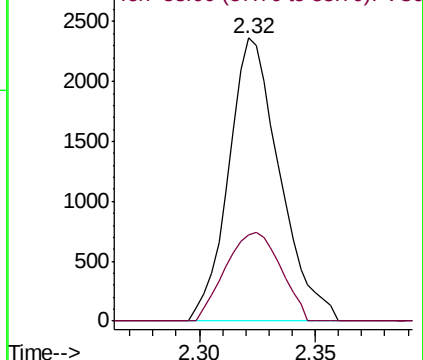
43 100

58 34.0 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 1.308 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028842.D

Acq: 20 Dec 2018 22:19

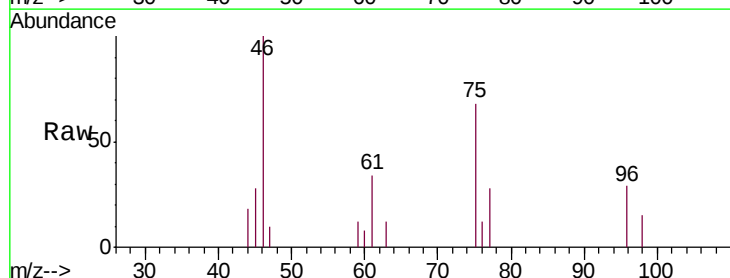
Tgt Ion: 96 Resp: 2005

Ion Ratio Lower Upper

96 100

61 119.7 92.1 171.1

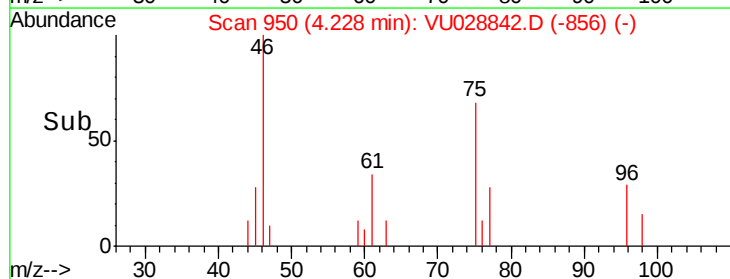
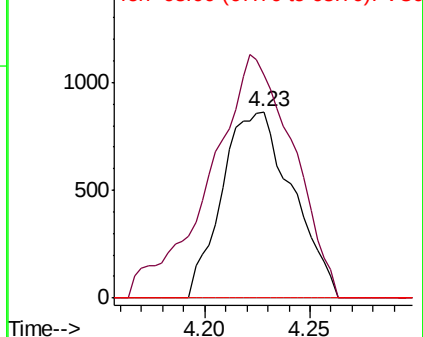
68 0.0 0.0 0.0

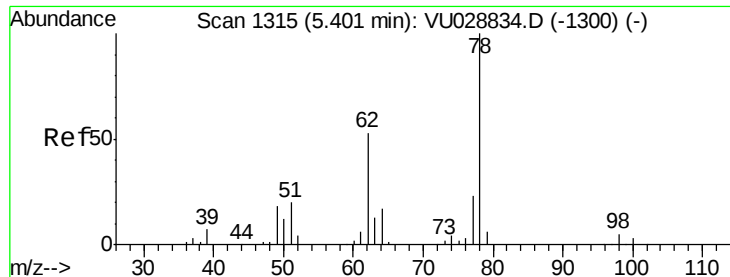


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#27

1,2-Dichloroethane

Concen: 0.574 ug/L

RT: 5.34 min Scan# 1296

Delta R.T. -0.06 min

Lab File: VU028842.D

Acq: 20 Dec 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

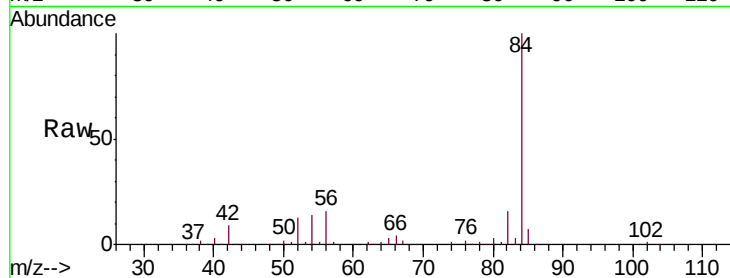
BF010

Tgt Ion: 62 Resp: 1068

Ion Ratio Lower Upper

62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU028834.D (-1300) (-)

Ion 98.00 (97.70 to 98.70): VU028834.D (-1300) (-)

5.34

600

400

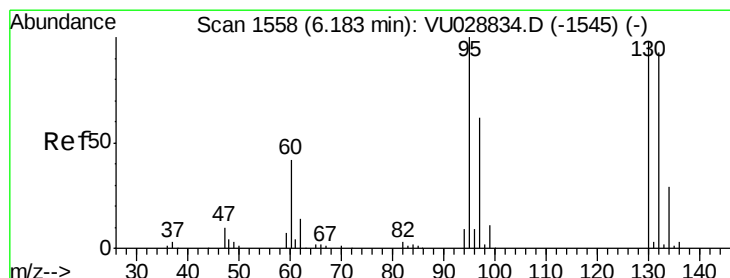
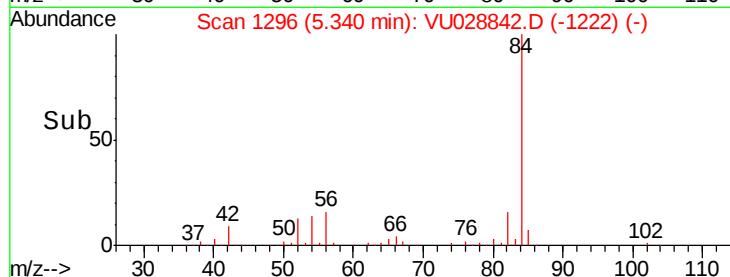
200

0

5.30

5.35

Time-->



#34

Trichloroethene

Concen: 1.701 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU028842.D

Acq: 20 Dec 2018 22:19

Tgt Ion: 95 Resp: 2388

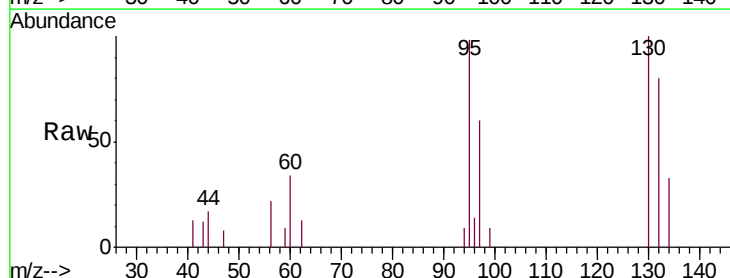
Ion Ratio Lower Upper

95 100

97 61.1 43.3 80.3

132 81.2 64.2 119.2

130 101.9 67.1 124.7



Abundance Ion 95.00 (94.70 to 95.70): VU028834.D (-1545) (-)

Ion 97.00 (96.70 to 97.70): VU028834.D (-1545) (-)

Ion 132.00 (131.70 to 132.70): VU028834.D (-1545) (-)

Ion 130.00 (129.70 to 130.70): VU028834.D (-1545) (-)

2000

1500

1000

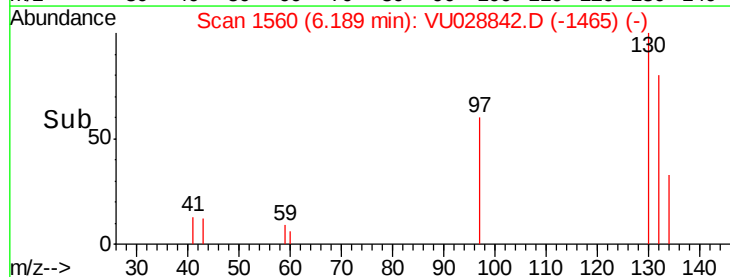
500

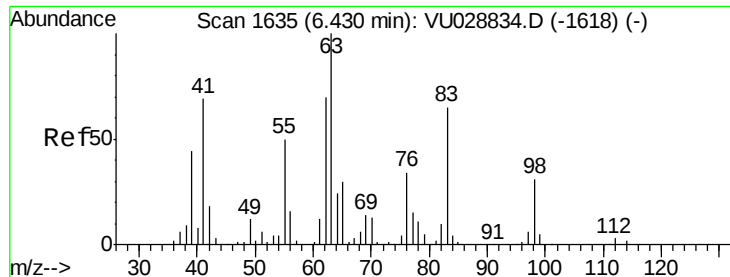
0

6.15

6.20

Time-->

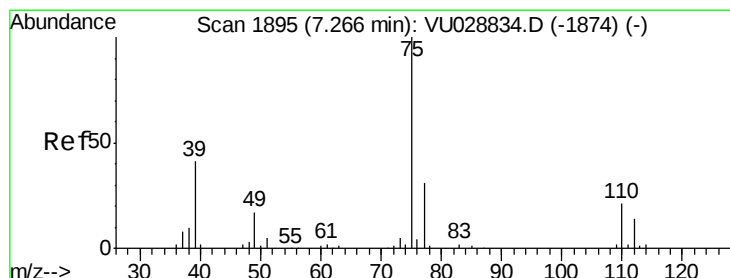
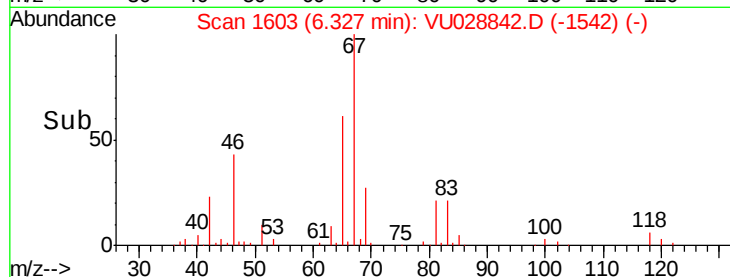
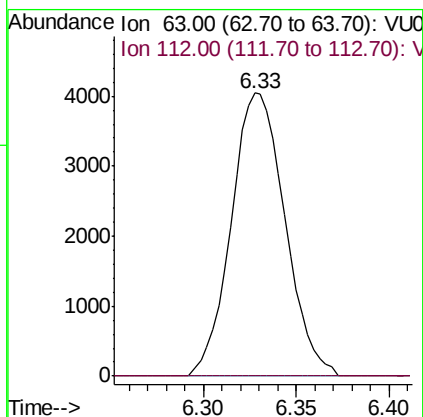
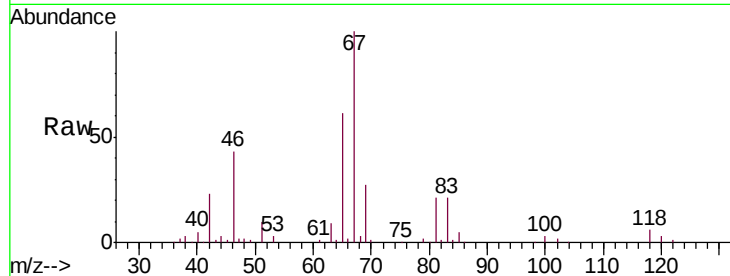




#37
 1,2-Dichloropropane
 Concen: 5.003 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028842.D
 Acq: 20 Dec 2018 22:19

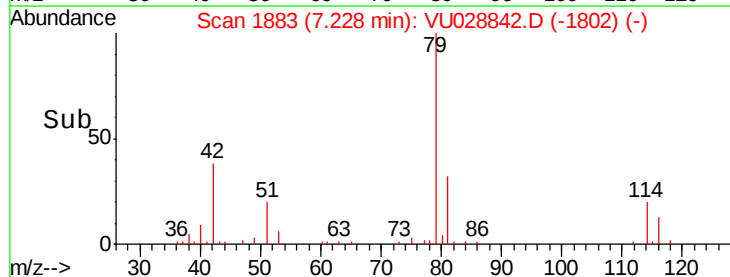
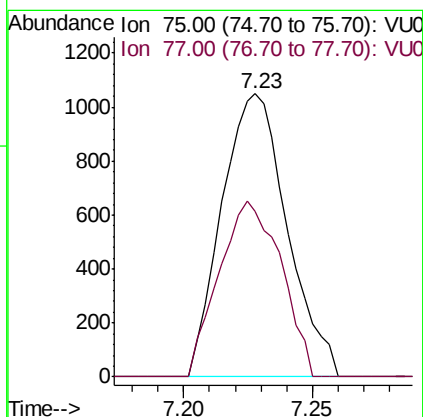
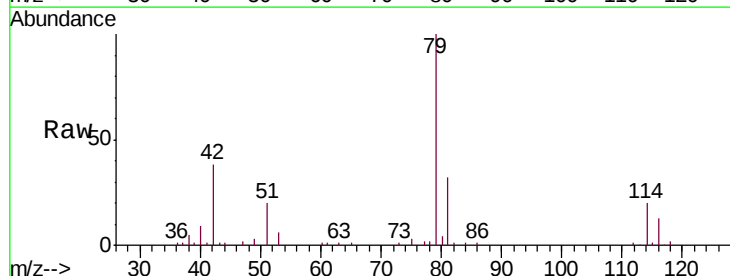
Instrument :
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 ClientSampleId :
 BF010

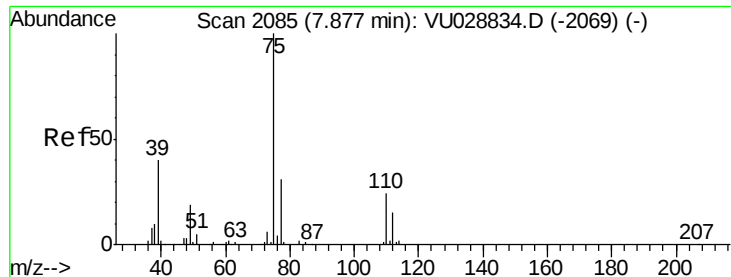
Tgt Ion: 63 Resp: 8131
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.800 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028842.D
 Acq: 20 Dec 2018 22:19

Tgt Ion: 75 Resp: 1853
 Ion Ratio Lower Upper
 75 100
 77 58.3 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.667 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028842.D

Acq: 20 Dec 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

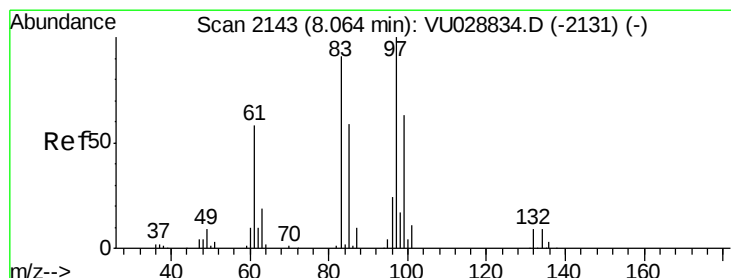
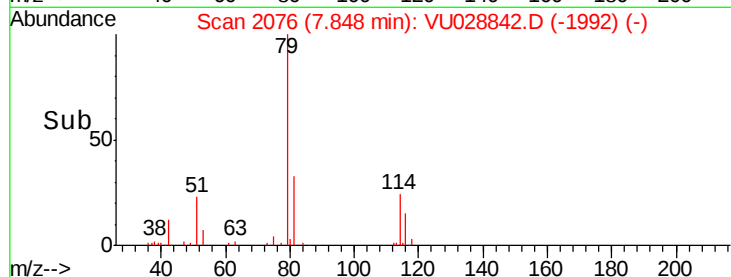
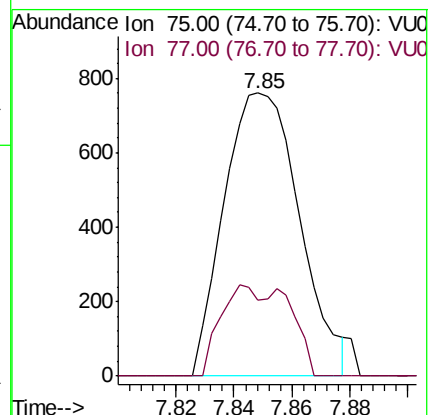
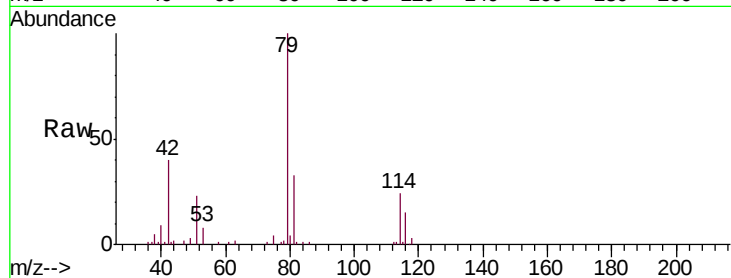
BF010

Tgt Ion: 75 Resp: 1377

Ion Ratio Lower Upper

75 100

77 26.7 21.8 40.6



#45

1,1,2-Trichloroethane

Concen: 0.467 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. 0.16 min

Lab File: VU028842.D

Acq: 20 Dec 2018 22:19

Tgt Ion: 97 Resp: 649

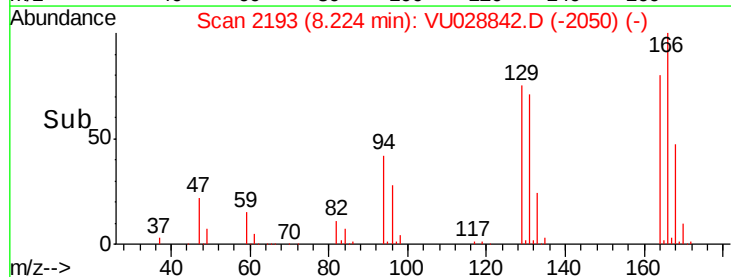
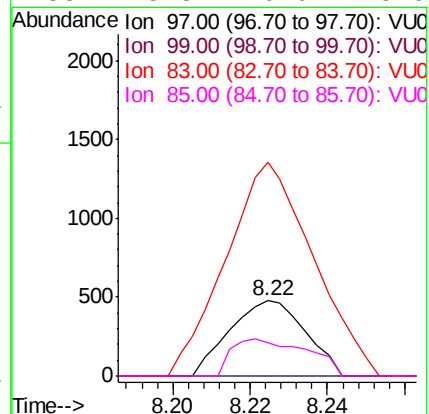
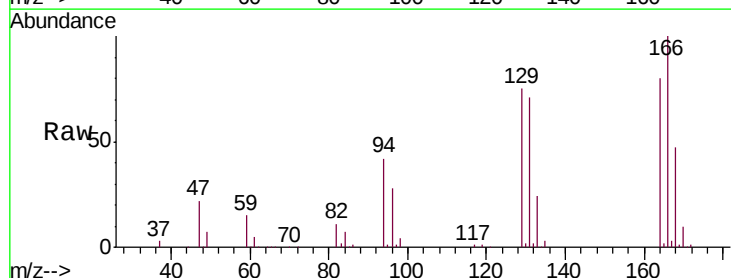
Ion Ratio Lower Upper

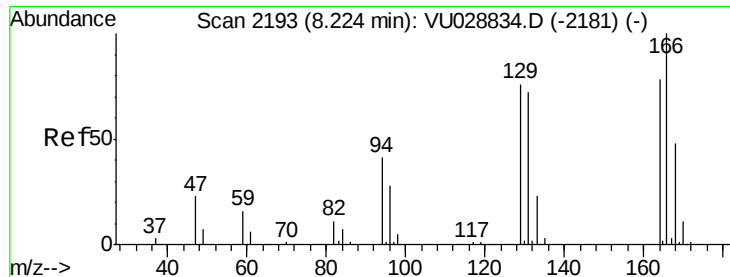
97 100

99 0.0 44.2 82.2#

83 284.1 64.5 119.9#

85 43.8 40.9 75.9





#46

Tetrachloroethene

Concen: 85.311 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU028842.D

Acq: 20 Dec 2018 22:19

Instrument :

MSVOA_U

ClientSampleId :

BF010

Tgt Ion:164 Resp: 92229

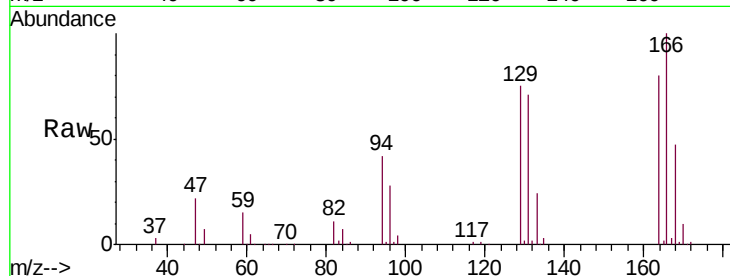
Ion Ratio Lower Upper

164 100

129 93.8 66.8 124.0

131 88.8 64.2 119.2

166 125.7 90.8 168.6

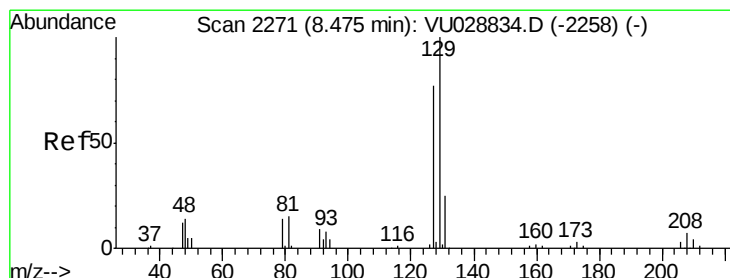
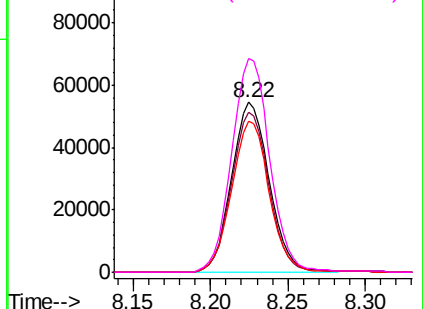
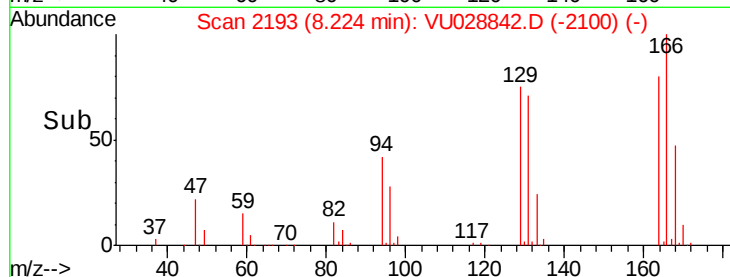


Abundance Ion 164.00 (163.70 to 164.70): V

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: 62.467 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028842.D

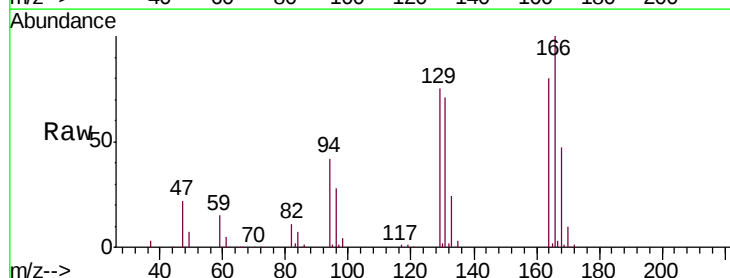
Acq: 20 Dec 2018 22:19

Tgt Ion:129 Resp: 86466

Ion Ratio Lower Upper

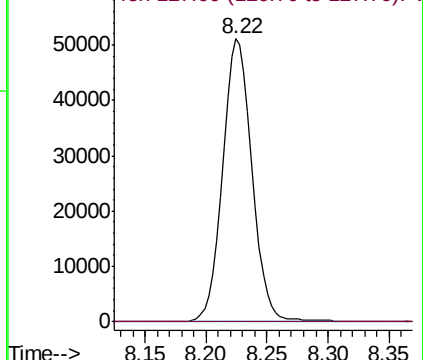
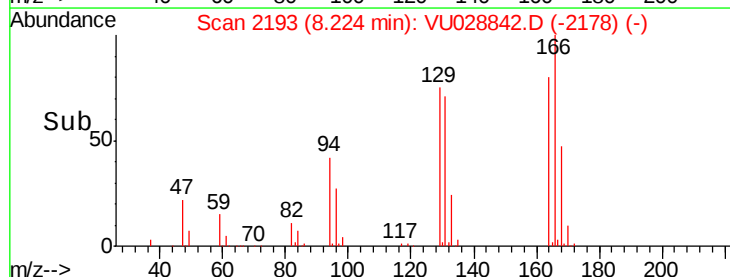
129 100

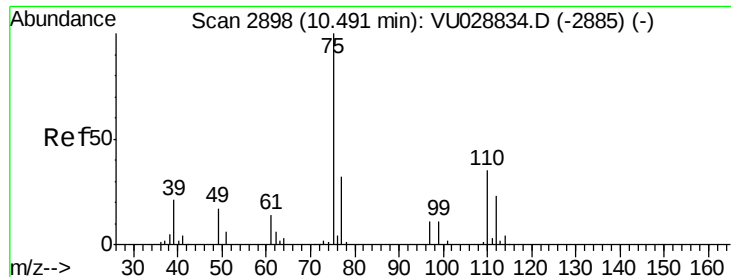
127 0.0 54.1 100.5#



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: 4.655 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028842.D
 Acq: 20 Dec 2018 22:19

Instrument :
 MSVOA_U
 ClientSampleId :
 BF010

Tgt Ion: 75 Resp: 9028
 Ion Ratio Lower Upper
 75 100
 77 35.2 25.5 38.3

