

Data File : VU028841.D
Acq On : 20 Dec 2018 21:55
Operator : MD/SY
Sample : J6506-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF011

Quant Time: Dec 21 06:01:14 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	194566	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	186509	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	78760	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65051	41.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.40%
7) Chloroethane-d5	1.67	69	53177	44.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.28%
11) 1,1-Dichloroethene-d2	2.27	63	85712	32.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.36%
21) 2-Butanone-d5	4.18	46	114074	104.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.38%
24) Chloroform-d	4.65	84	112273	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
26) 1,2-Dichloroethane-d4	5.31	65	71593	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
32) Benzene-d6	5.34	84	245271	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
36) 1,2-Dichloropropane-d6	6.33	67	85943	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.02%
41) Toluene-d8	7.56	98	213839	44.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.56%
43) trans-1,3-Dichloropropene-	7.85	79	36638	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.36%
47) 2-Hexanone-d5	8.31	63	90708	106.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116867	47.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	79696	50.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.06%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	1836	0.851 ug/L	91
8) Chloroethane	1.40	64	905	0.832 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	817	0.648 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	690	0.553 ug/L #	1
13) Acetone	2.32	43	2950	2.649 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	1187	0.878 ug/L #	74
20) cis-1,2-Dichloroethene	4.22	96	79868	52.166 ug/L	97
27) 1,2-Dichloroethane	5.34	62	1036	0.557 ug/L #	74
34) Trichloroethene	6.19	95	33254	23.197 ug/L	95
35) Methylcyclohexane	6.33	83	17823	7.465 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	8267	4.981 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1723	0.728 ug/L #	49
44) trans-1,3-Dichloropropene	7.85	75	1282	0.608 ug/L	87
45) 1,1,2-Trichloroethane	8.23	97	12673	8.930 ug/L #	1
46) Tetrachloroethene	8.23	164	1675443	1517.540 ug/L	99
49) Dibromochloromethane	8.23	129	1579100	1117.092 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9372	4.732 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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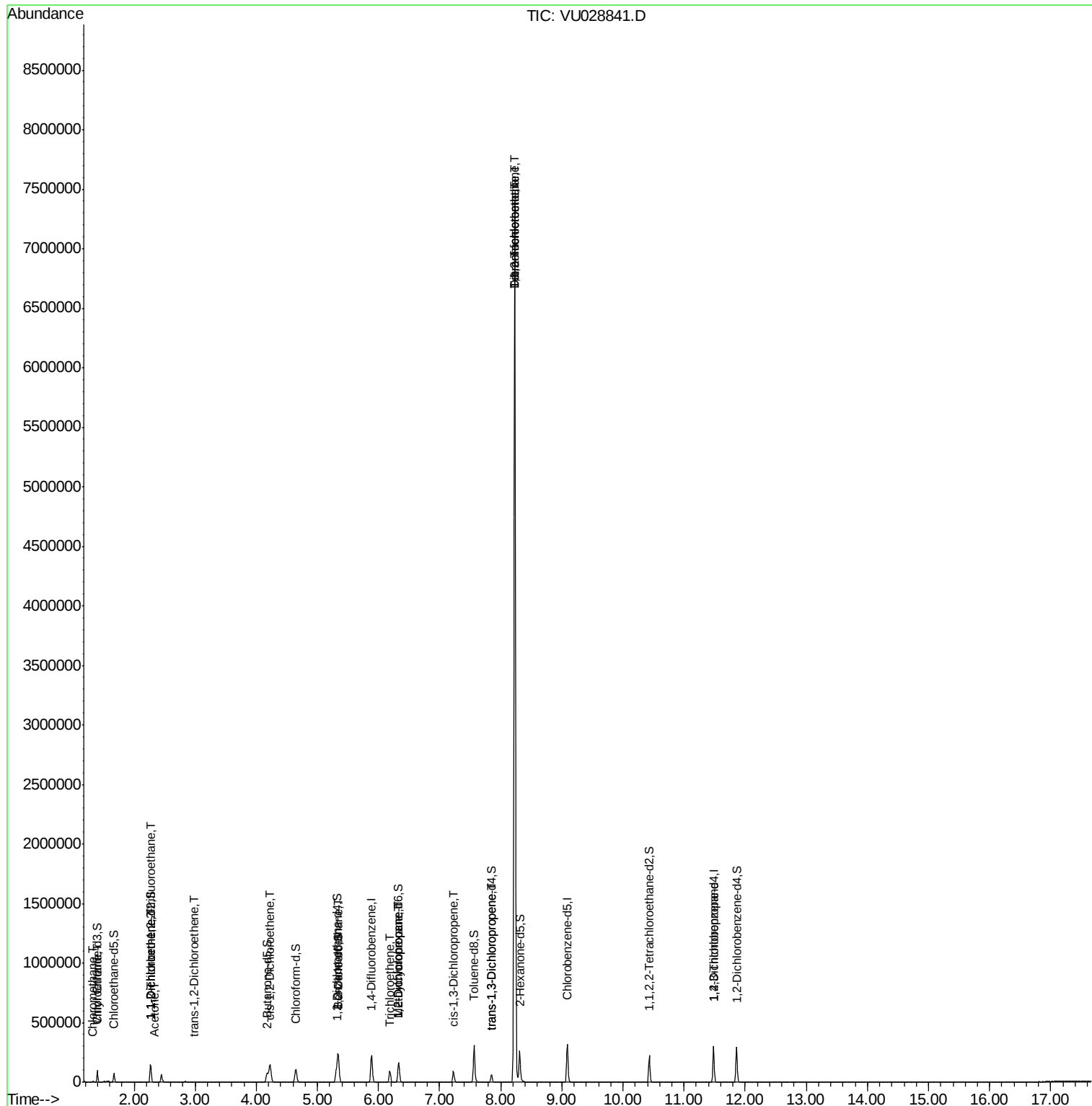
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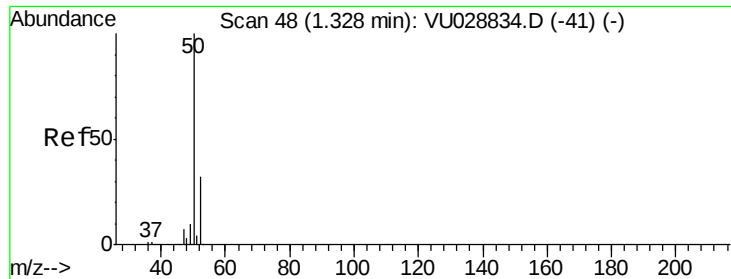
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.851 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

Instrument :

MSVOA_U

ClientSampleId :

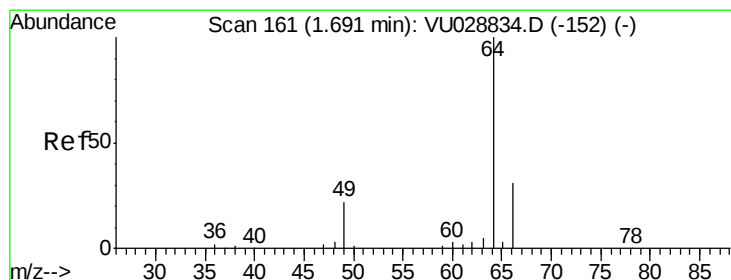
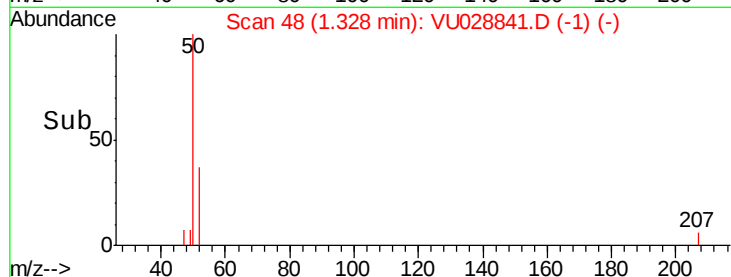
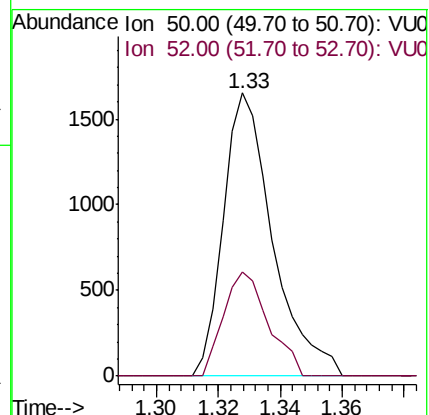
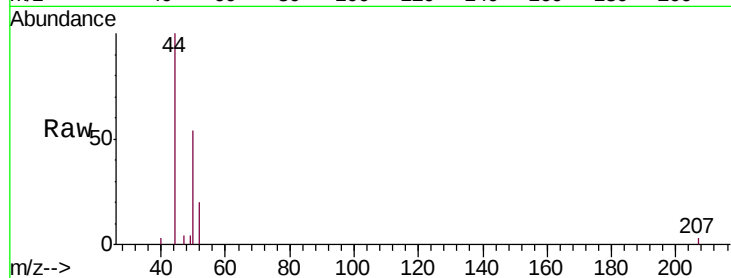
BF011

Tgt Ion: 50 Resp: 1836

Ion Ratio Lower Upper

50 100

52 37.0 22.3 41.3



#8

Chloroethane

Concen: 0.832 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028841.D

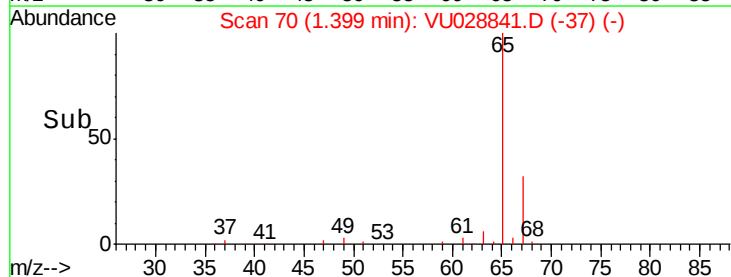
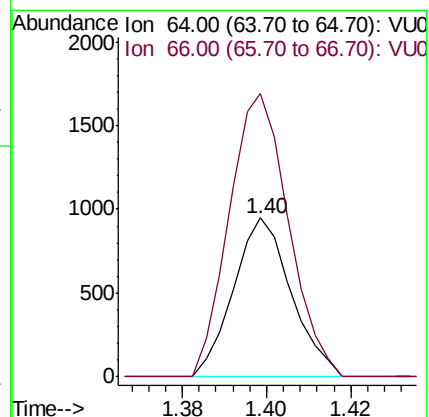
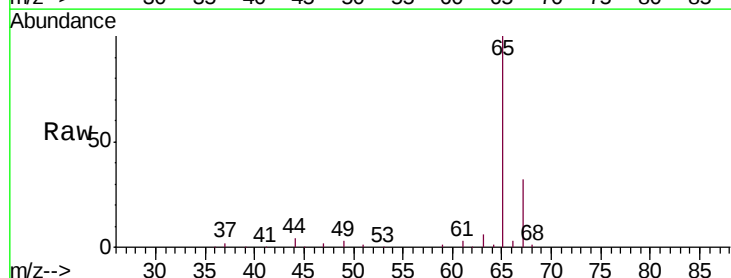
Acq: 20 Dec 2018 21:55

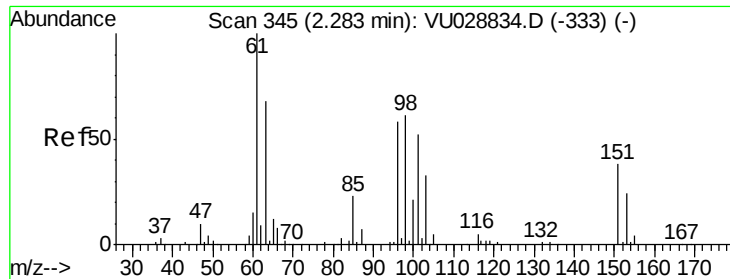
Tgt Ion: 64 Resp: 905

Ion Ratio Lower Upper

64 100

66 178.4 21.5 39.9#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.648 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

Instrument :

MSVOA_U

ClientSampleId :

BF011

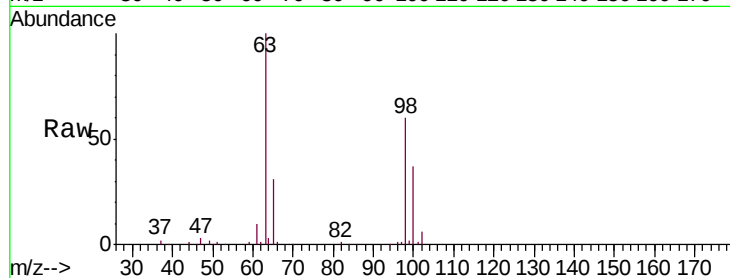
Tgt Ion:101 Resp: 817

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

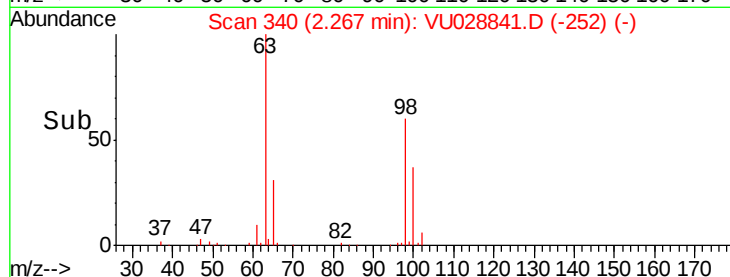
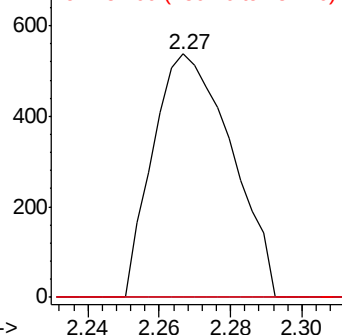
151 0.0 59.4 89.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.553 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

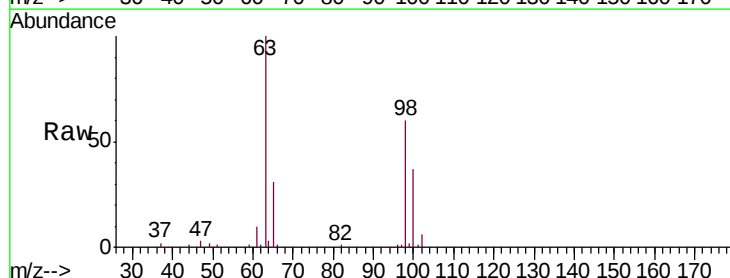
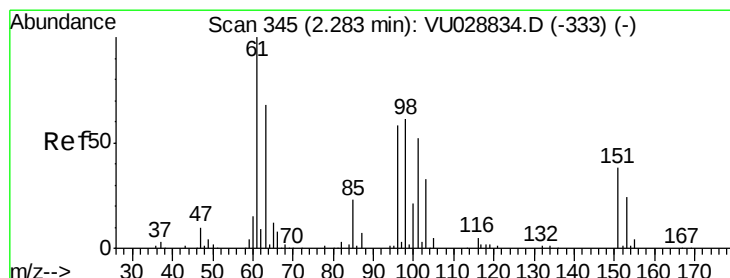
Tgt Ion: 96 Resp: 690

Ion Ratio Lower Upper

96 100

61 1142.6 119.3 221.5#

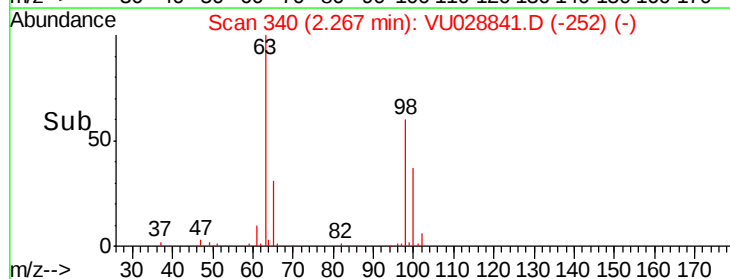
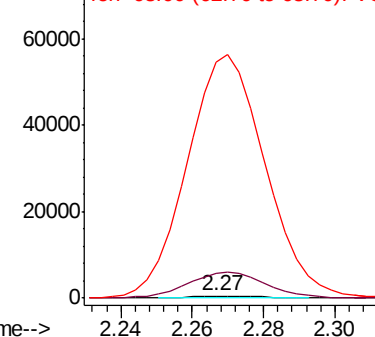
63 11025.5 107.4 199.6#

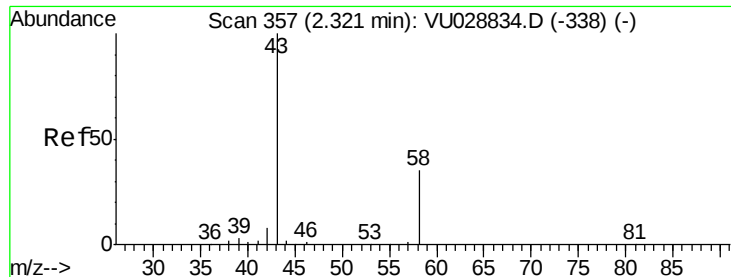


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.649 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

Instrument :

MSVOA_U

ClientSampleId :

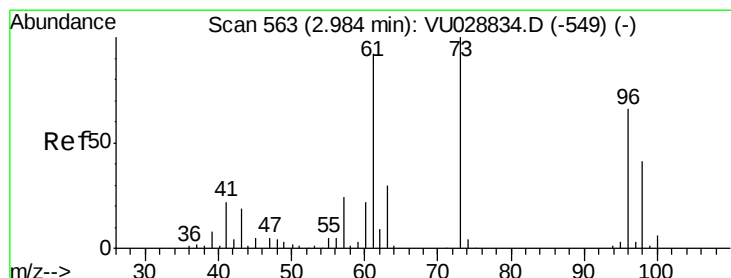
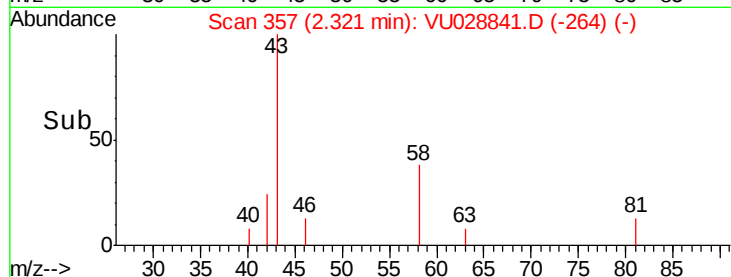
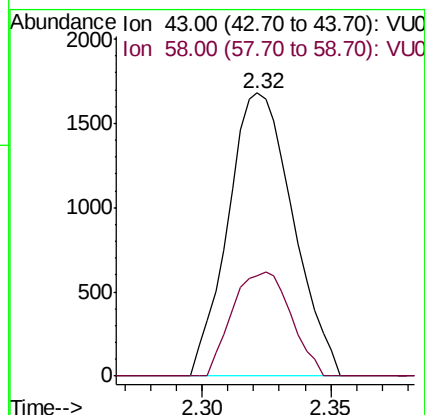
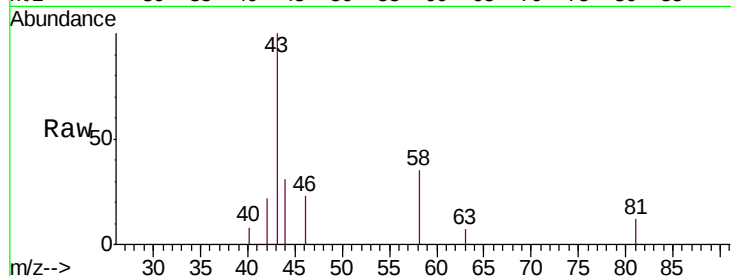
BF011

Tgt Ion: 43 Resp: 2950

Ion Ratio Lower Upper

43 100

58 33.1 0.0 70.2



#17

trans-1,2-Dichloroethene

Concen: 0.878 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

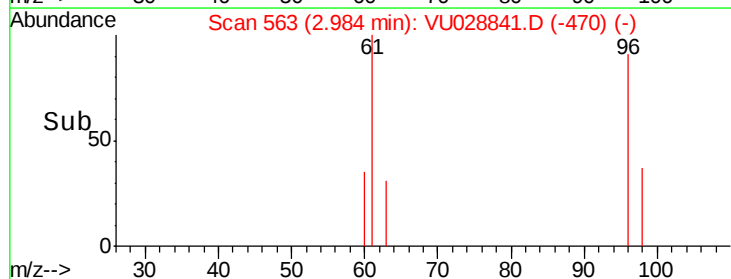
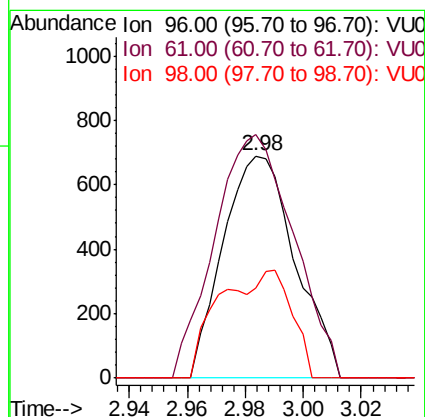
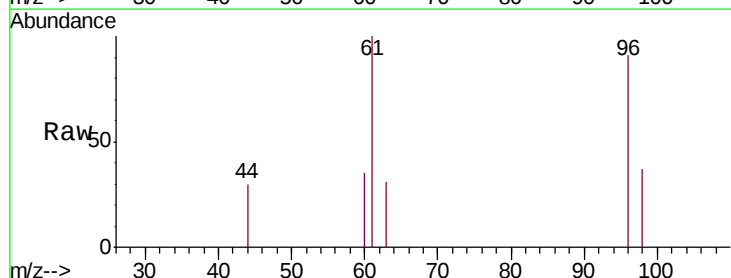
Tgt Ion: 96 Resp: 1187

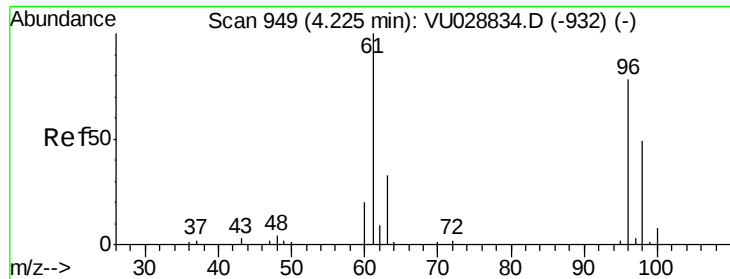
Ion Ratio Lower Upper

96 100

61 109.7 97.9 181.7

98 40.6 44.1 81.9#

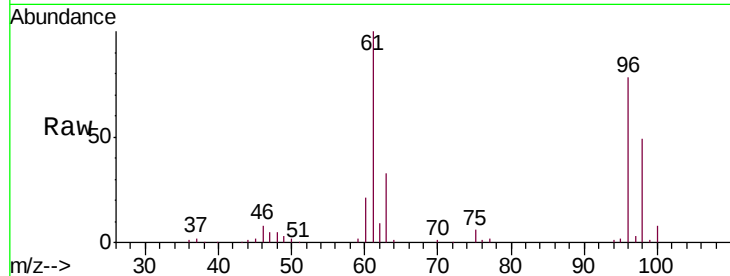




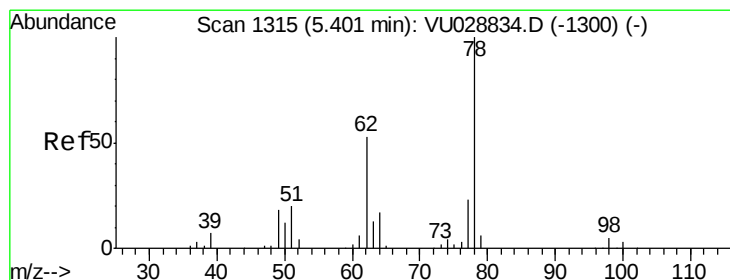
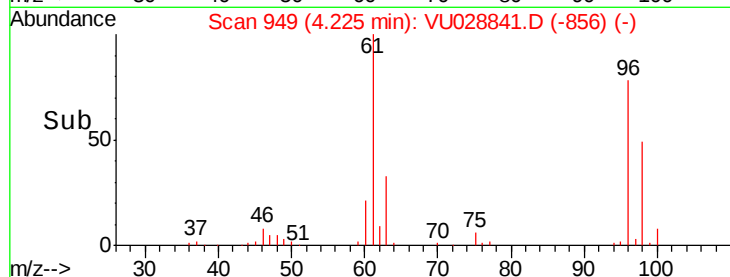
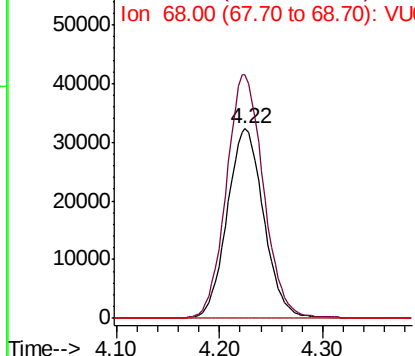
#20
 cis-1,2-Dichloroethene
 Concen: 52.166 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028841.D
 Acq: 20 Dec 2018 21:55

Instrument :
 MSVOA_U
 ClientSampleId :
 BF011

Tgt Ion: 96 Resp: 79868
 Ion Ratio Lower Upper
 96 100
 61 128.4 92.1 171.1
 68 0.0 0.0 0.0

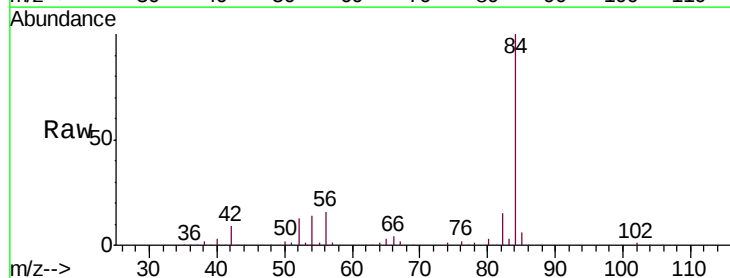


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

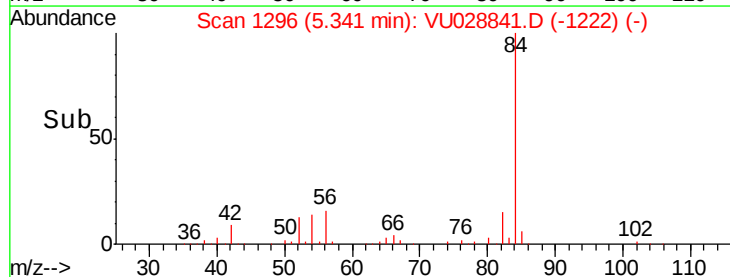
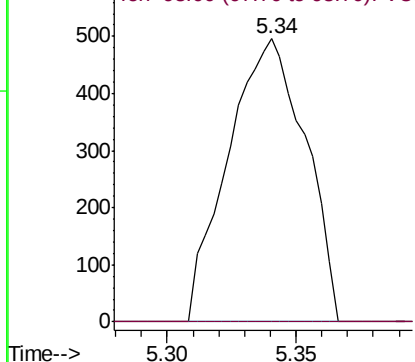


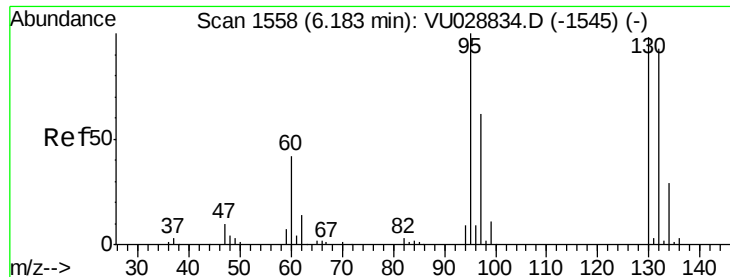
#27
 1,2-Dichloroethane
 Concen: 0.557 ug/L
 RT: 5.34 min Scan# 1296
 Delta R.T. -0.06 min
 Lab File: VU028841.D
 Acq: 20 Dec 2018 21:55

Tgt Ion: 62 Resp: 1036
 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





#34

Trichloroethene

Concen: 23.197 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

Instrument :

MSVOA_U

ClientSampled :

BF011

Tgt Ion: 95 Resp: 33254

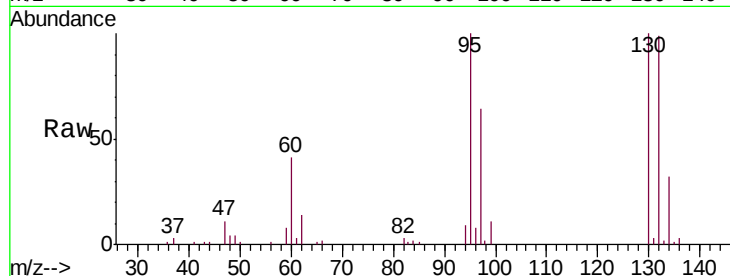
Ion Ratio Lower Upper

95 100

97 64.4 43.3 80.3

132 99.1 64.2 119.2

130 100.3 67.1 124.7

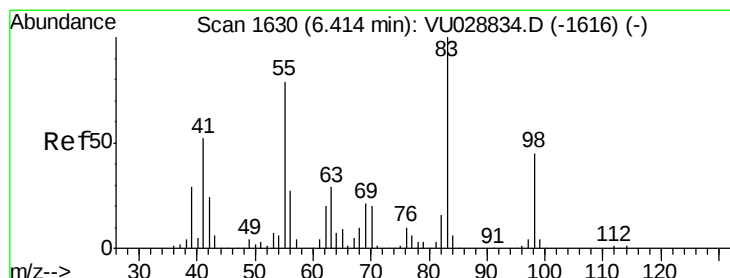
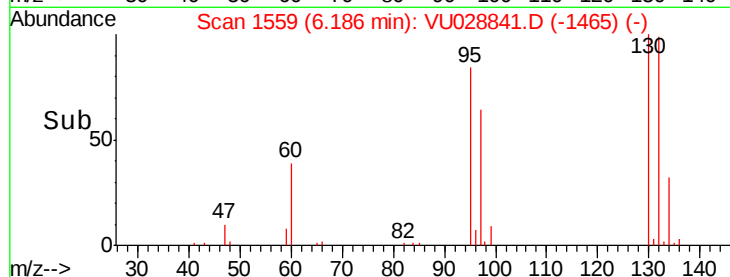
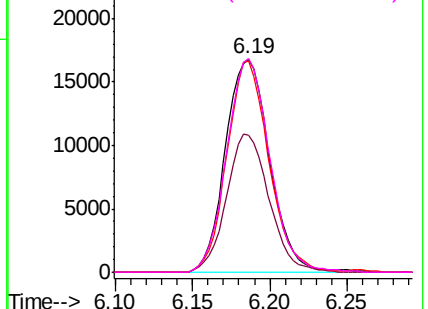


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 7.465 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

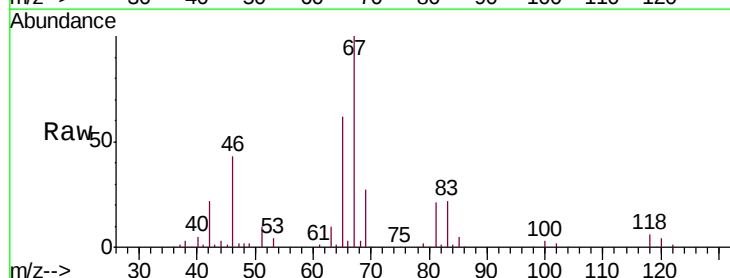
Tgt Ion: 83 Resp: 17823

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

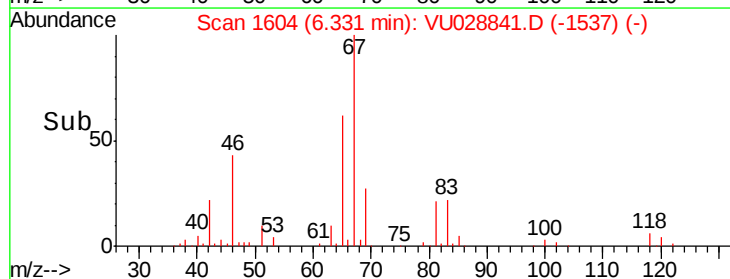
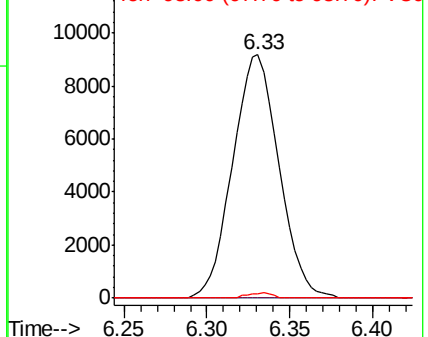
98 1.1 35.6 53.4#

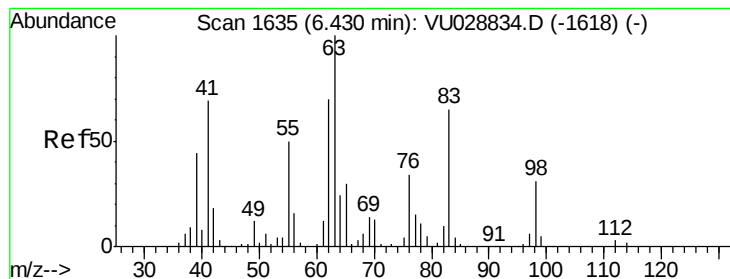


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 4.981 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

Instrument :

MSVOA_U

ClientSampleId :

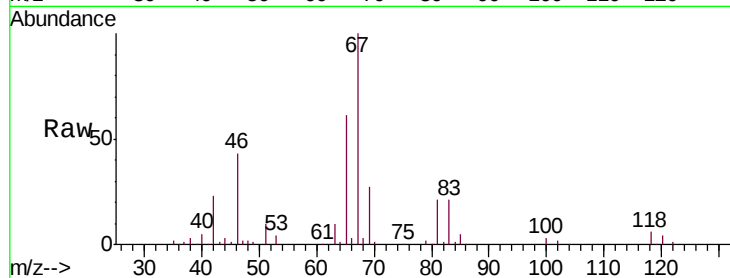
BF011

Tgt Ion: 63 Resp: 8267

Ion Ratio Lower Upper

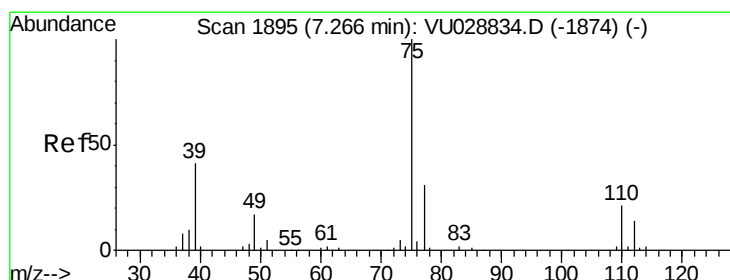
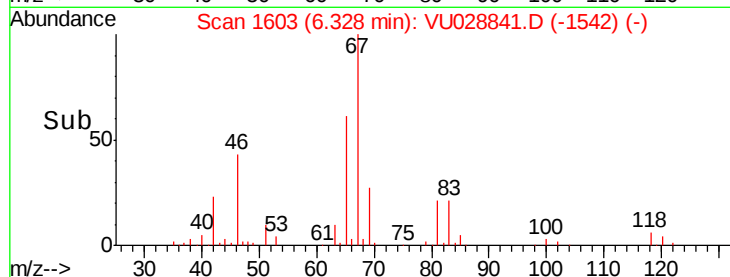
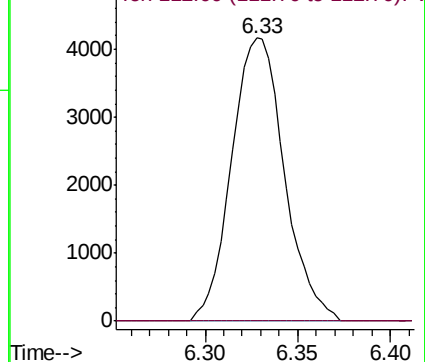
63 100

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: 0.728 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU028841.D

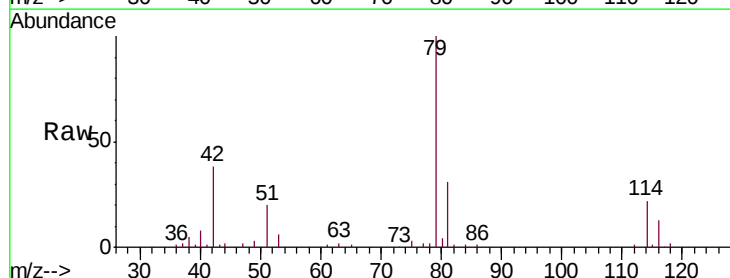
Acq: 20 Dec 2018 21:55

Tgt Ion: 75 Resp: 1723

Ion Ratio Lower Upper

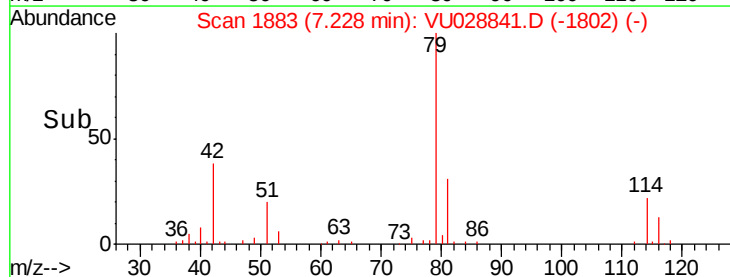
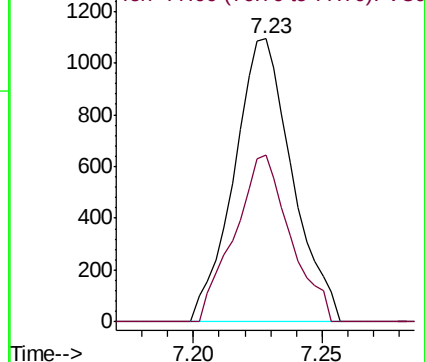
75 100

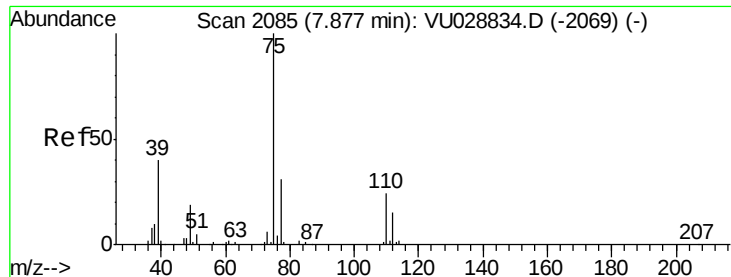
77 59.1 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.608 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

Instrument :

MSVOA_U

ClientSampled :

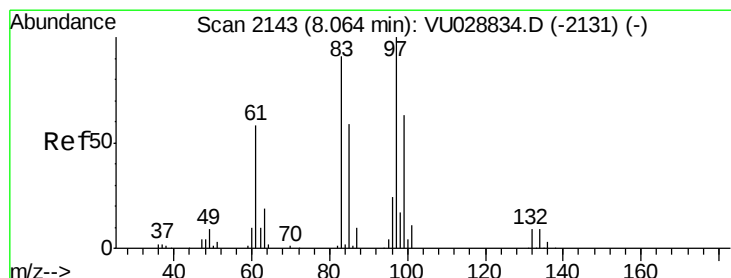
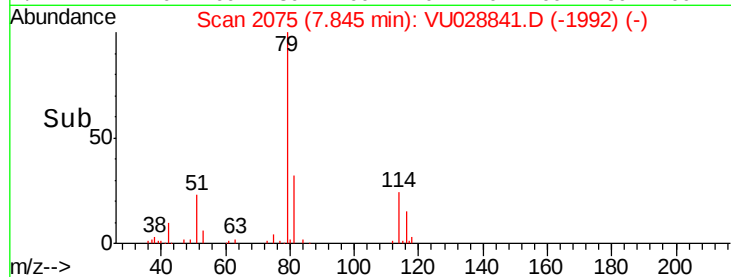
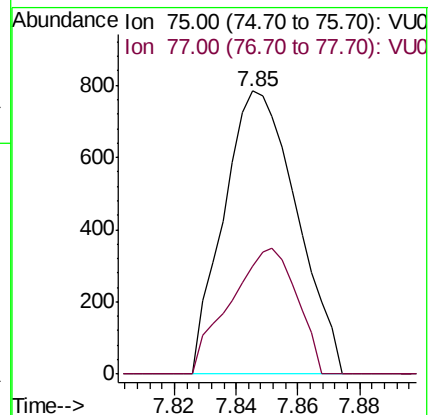
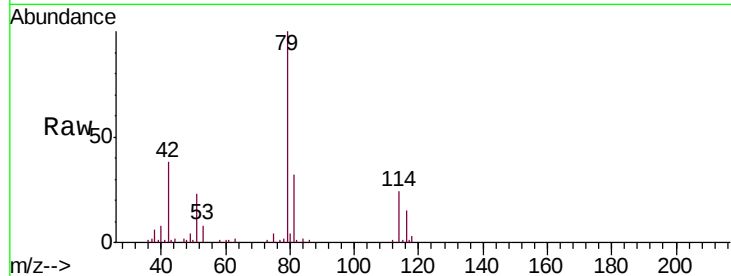
BF011

Tgt Ion: 75 Resp: 1282

Ion Ratio Lower Upper

75 100

77 38.1 21.8 40.6



#45

1,1,2-Trichloroethane

Concen: 8.930 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.16 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

Tgt Ion: 97 Resp: 12673

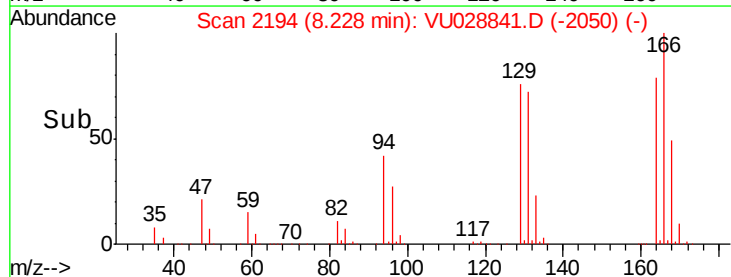
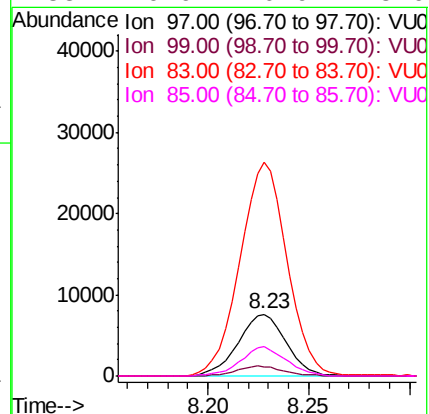
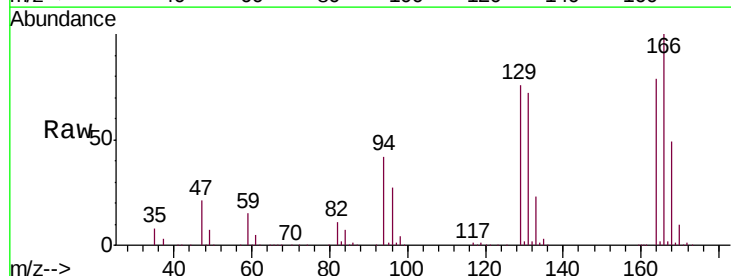
Ion Ratio Lower Upper

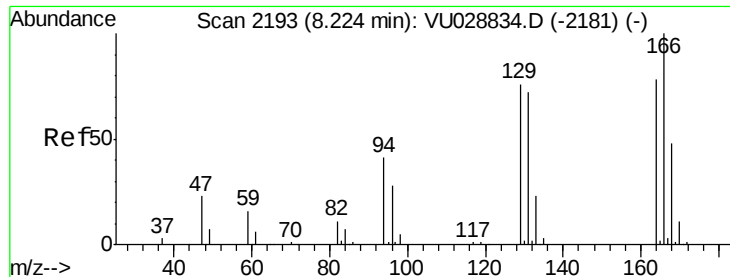
97 100

99 15.3 44.2 82.2#

83 344.2 64.5 119.9#

85 46.9 40.9 75.9





#46

Tetrachloroethene

Concen: 1517.540 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

Instrument :

MSVOA_U

ClientSampleId :

BF011

Tgt Ion:164 Resp: 1675443

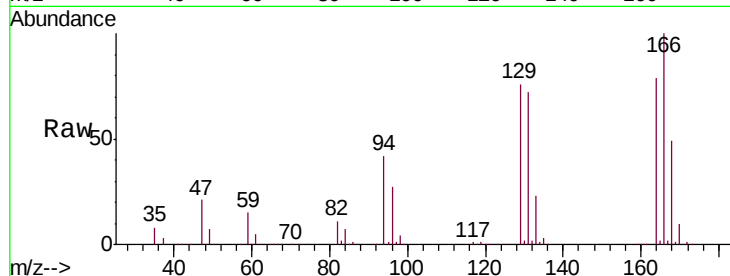
Ion Ratio Lower Upper

164 100

129 95.9 66.8 124.0

131 90.9 64.2 119.2

166 126.8 90.8 168.6

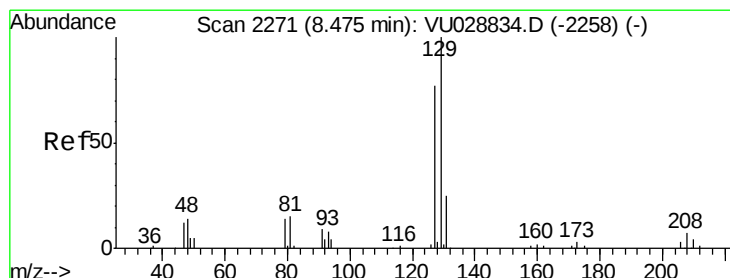
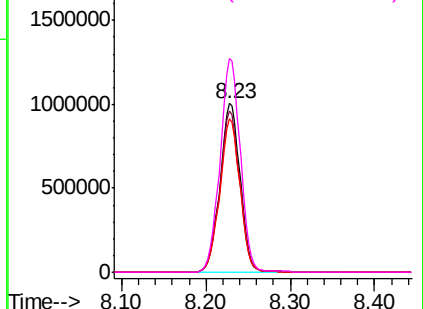
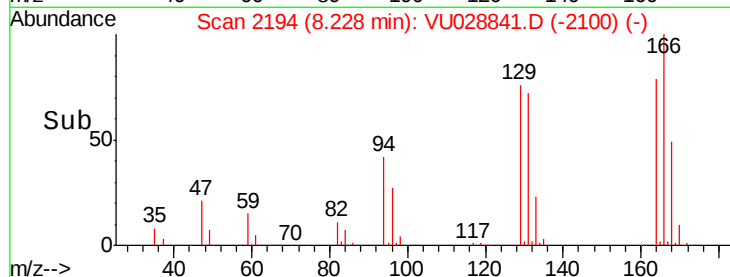


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1117.092 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028841.D

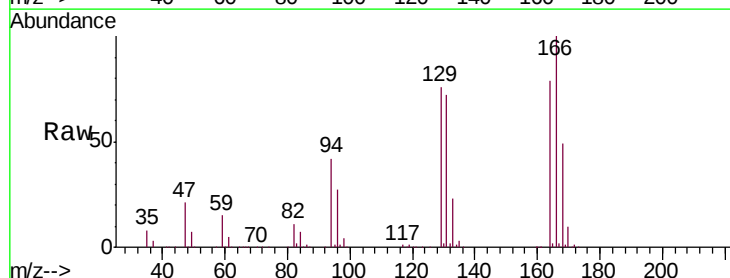
Acq: 20 Dec 2018 21:55

Tgt Ion:129 Resp: 1579100

Ion Ratio Lower Upper

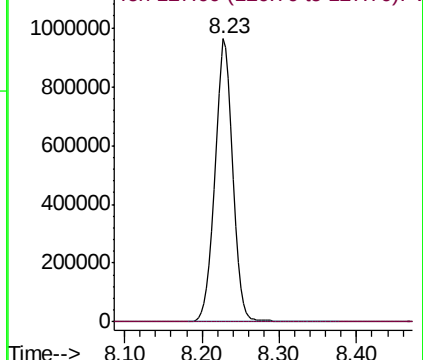
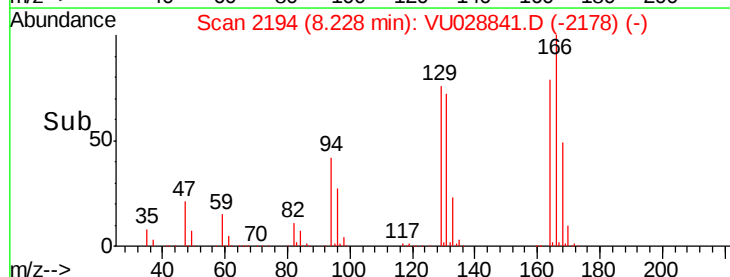
129 100

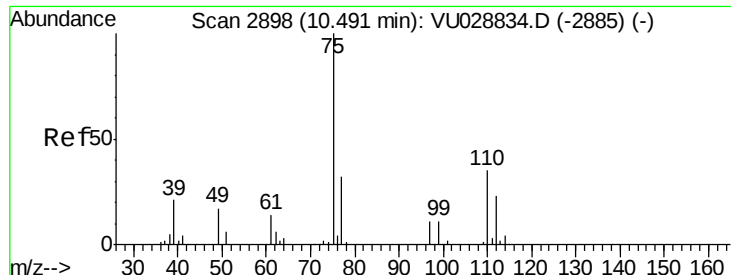
127 0.0 54.1 100.5#



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: 4.732 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028841.D

Acq: 20 Dec 2018 21:55

Instrument :

MSVOA_U

ClientSampleId :

BF011

Tgt Ion: 75 Resp: 9372

Ion Ratio Lower Upper

75 100

77 33.1 25.5 38.3

