

Data File : VU033463.D
Acq On : 26 Jul 2019 18:59
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Quant Time: Jul 27 02:03:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	264125	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	271900	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	115702	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	95814	47.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.84%
7) Chloroethane-d5	1.67	69	95100	55.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.36%
11) 1,1-Dichloroethene-d2	2.25	63	158366	43.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.34%
21) 2-Butanone-d5	4.15	46	155747	122.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.94%
24) Chloroform-d	4.62	84	173471	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
26) 1,2-Dichloroethane-d4	5.29	65	124083	57.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.48%
32) Benzene-d6	5.32	84	361036	54.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.26%
36) 1,2-Dichloropropane-d6	6.31	67	121469	56.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.70%
41) Toluene-d8	7.55	98	315792	50.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.42%
43) trans-1,3-Dichloropropene-	7.83	79	51524	49.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.36%
47) 2-Hexanone-d5	8.30	63	108128	112.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.25%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	185829	57.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	122372	59.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.62%

Target Compounds

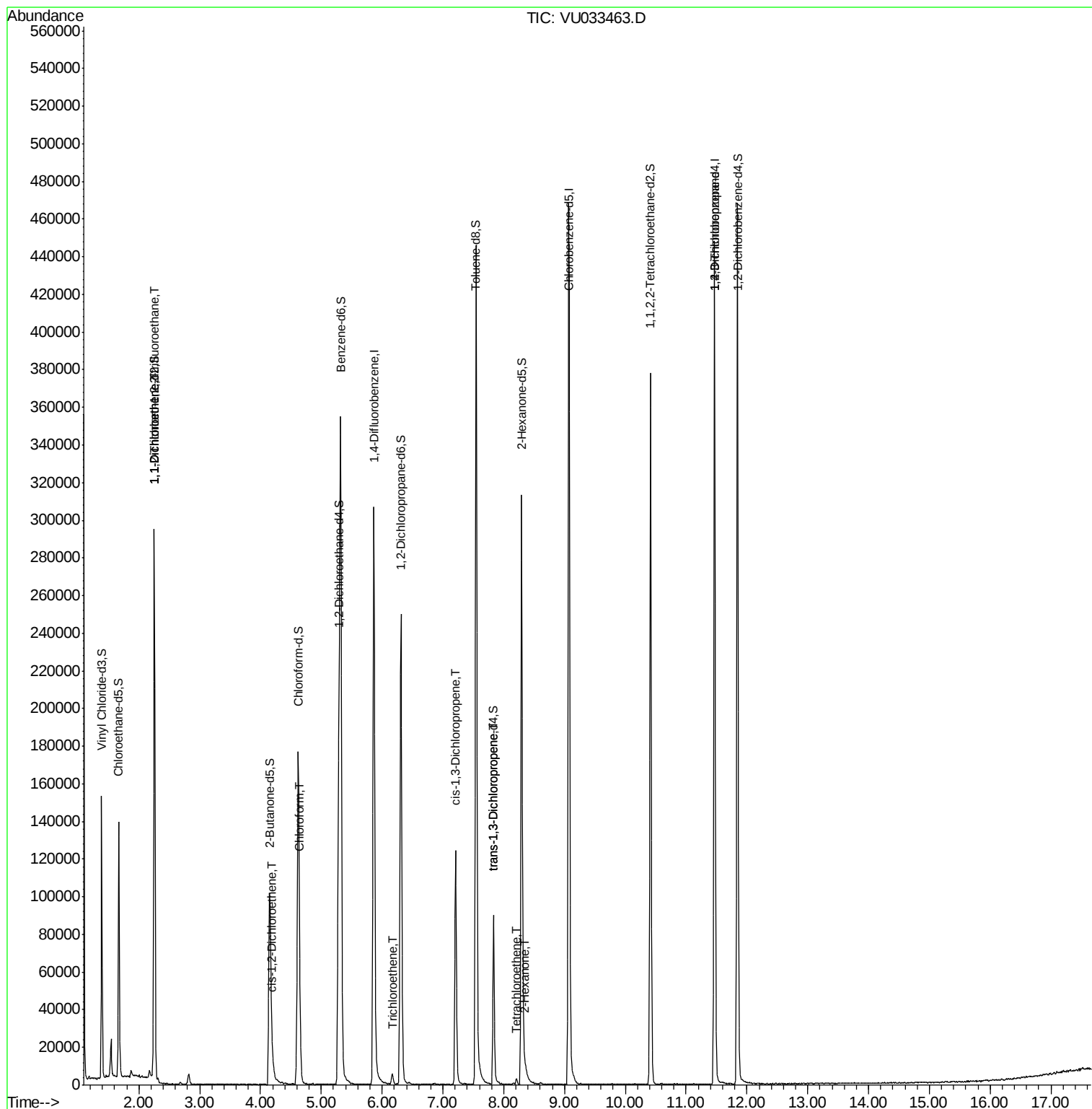
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1300	0.721 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1261	0.715 ug/L #	1
20) cis-1,2-Dichloroethene	4.20	96	1502	0.731 ug/L	96
25) Chloroform	4.65	83	15899	4.268 ug/L	96
34) Trichloroethene	6.17	95	1871	0.902 ug/L	88
39) cis-1,3-Dichloropropene	7.21	75	3493	1.059 ug/L #	72
44) trans-1,3-Dichloropropene	7.83	75	2198	0.739 ug/L #	76
46) Tetrachloroethene	8.21	164	776	0.483 ug/L	76
48) 2-Hexanone	8.35	43	3751	1.596 ug/L #	42
59) 1,2,3-Trichloropropane	11.47	75	14532	5.191 ug/L	94

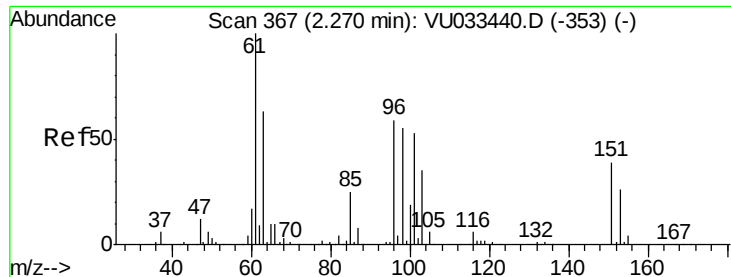
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.721 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033463.D

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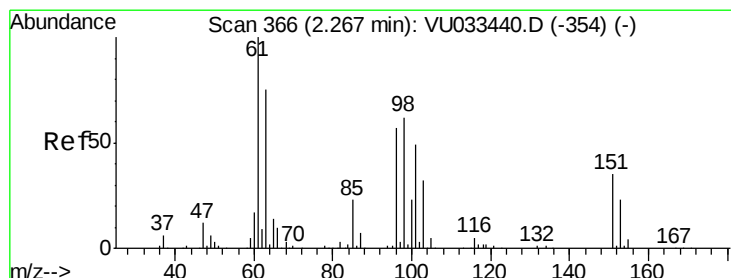
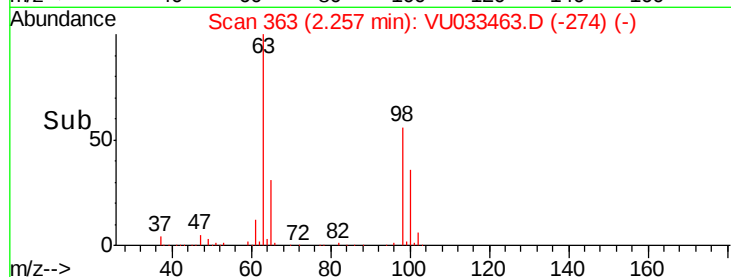
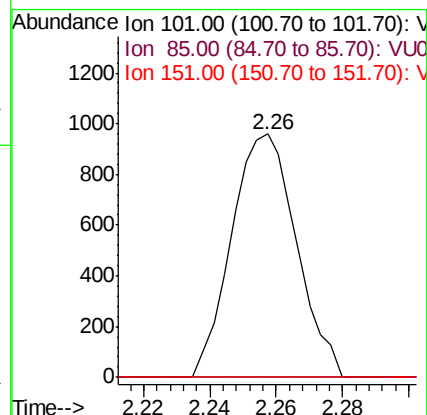
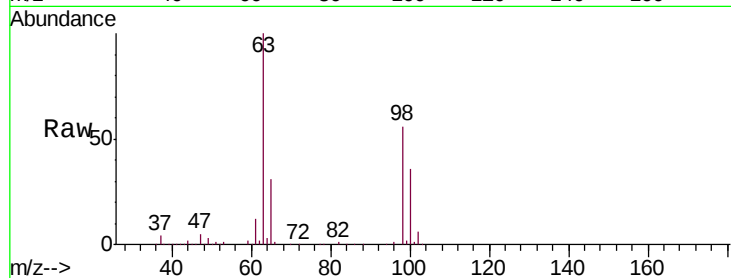
Tgt Ion: 101 Resp: 1300

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 56.7 85.1#



#12

1,1-Dichloroethene

Concen: 0.715 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.00 min

Lab File: VU033463.D

Acq: 26 Jul 2019 18:59

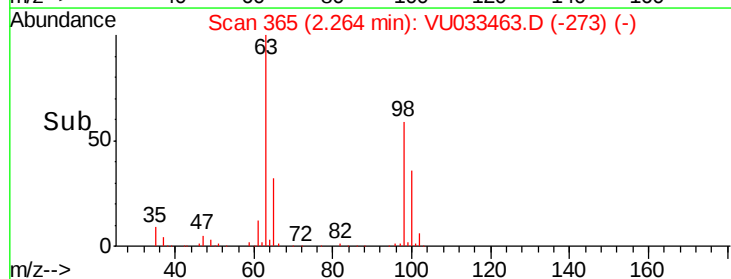
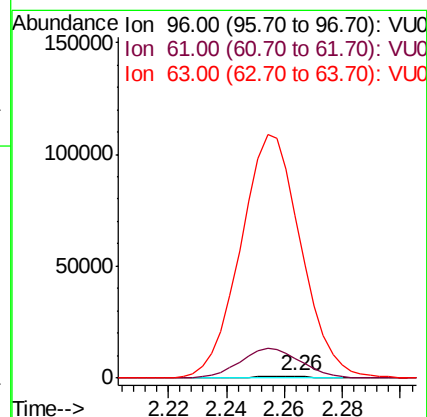
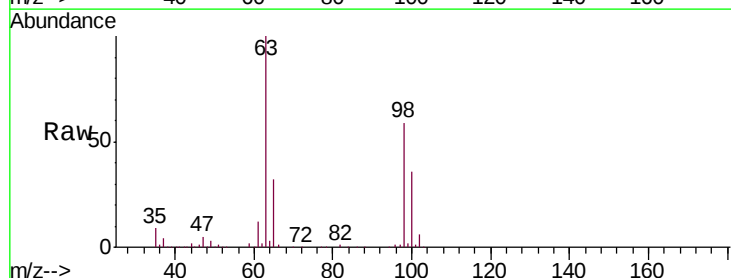
Tgt Ion: 96 Resp: 1261

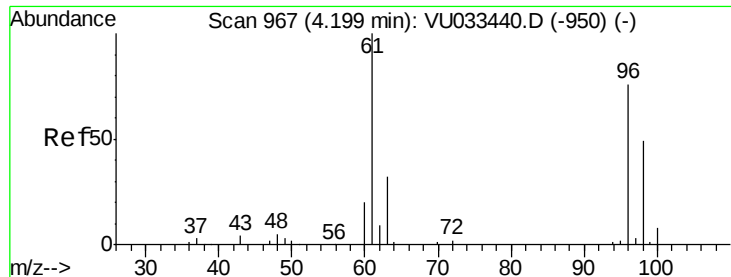
Ion Ratio Lower Upper

96 100

61 1140.8 126.1 234.1#

63 9586.3 96.8 179.8#

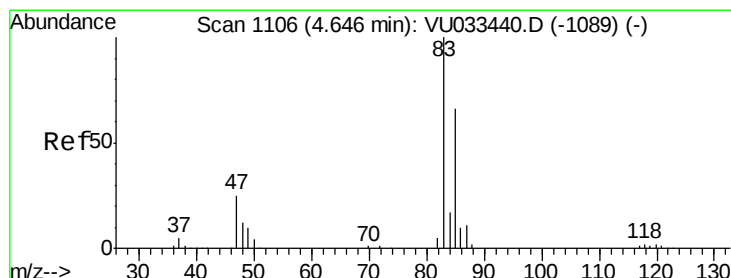
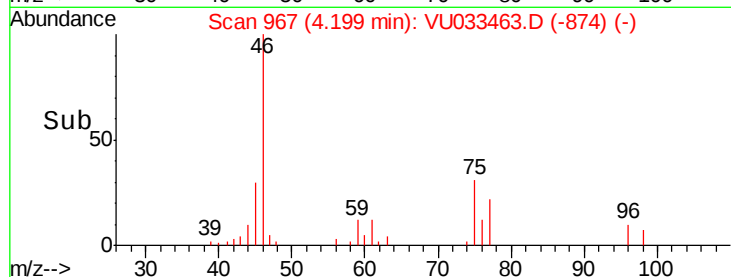
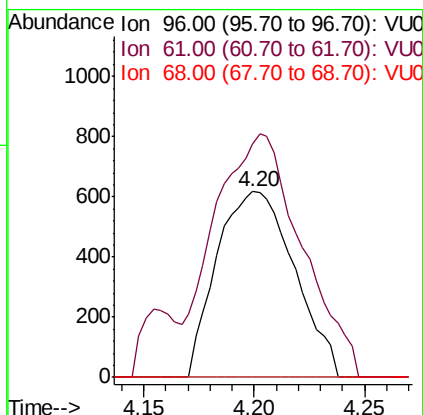
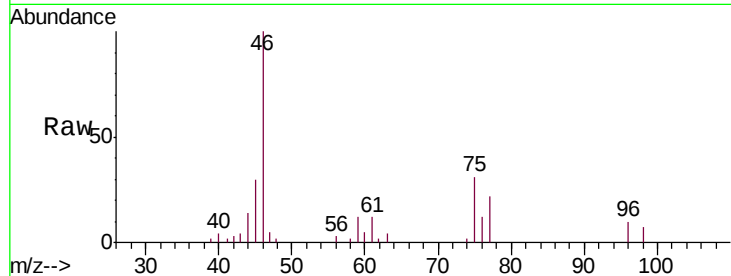




#20
 cis-1,2-Dichloroethene
 Concen: 0.731 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033463.D
 Acq: 26 Jul 2019 18:59

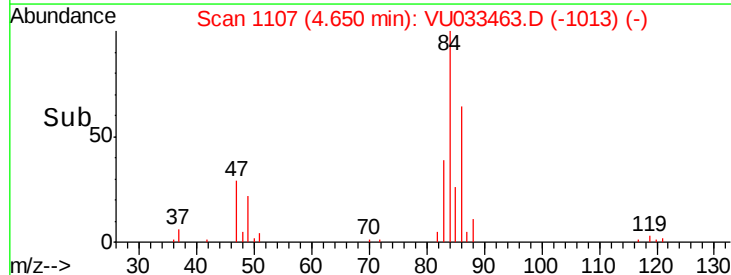
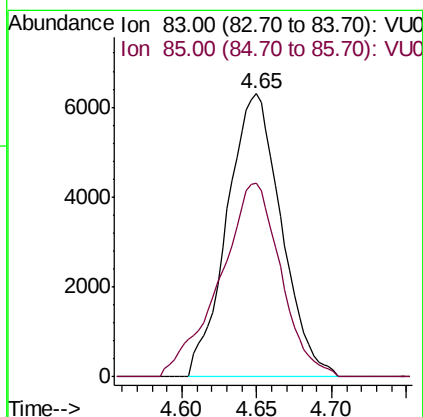
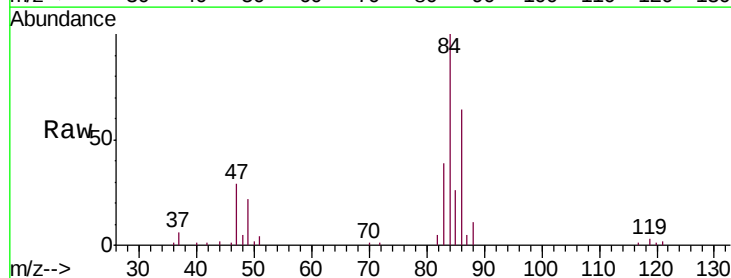
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK40

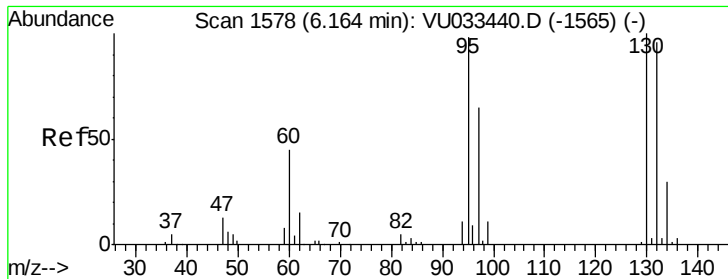
Tgt Ion: 96 Resp: 1502
 Ion Ratio Lower Upper
 96 100
 61 125.4 91.1 169.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 4.268 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU033463.D
 Acq: 26 Jul 2019 18:59

Tgt Ion: 83 Resp: 15899
 Ion Ratio Lower Upper
 83 100
 85 68.4 45.4 84.4





#34

Trichloroethene

Concen: 0.902 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033463.D

Acq: 26 Jul 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

Tgt Ion: 95 Resp: 1871

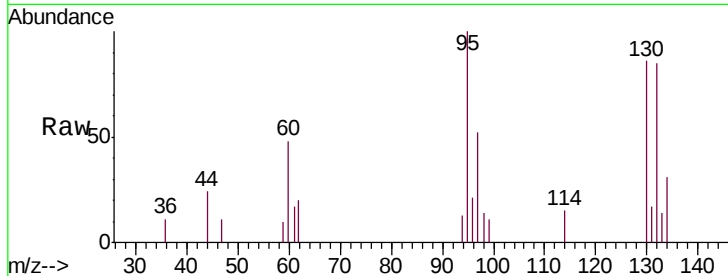
Ion Ratio Lower Upper

95 100

97 51.7 43.8 81.4

132 85.0 65.5 121.6

130 86.0 69.7 129.5

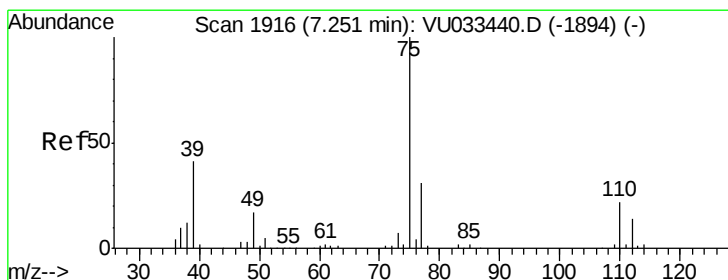
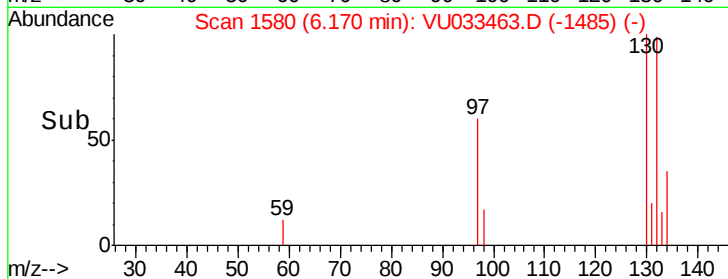
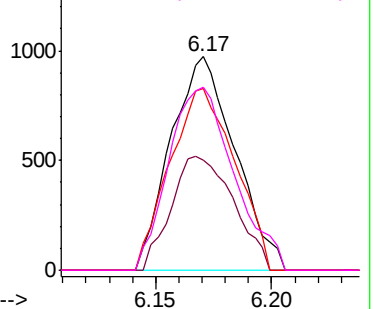


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 1.059 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033463.D

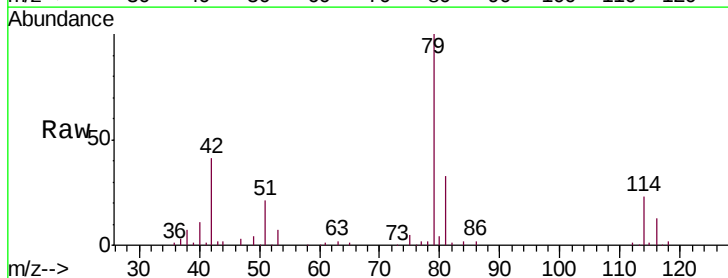
Acq: 26 Jul 2019 18:59

Tgt Ion: 75 Resp: 3493

Ion Ratio Lower Upper

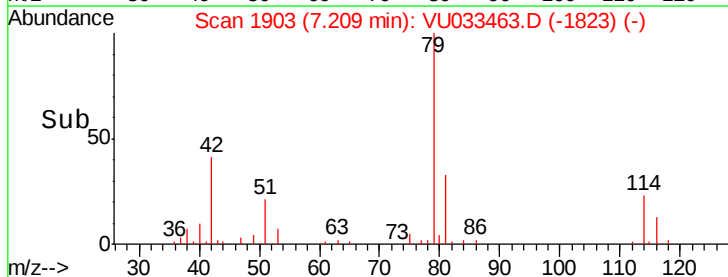
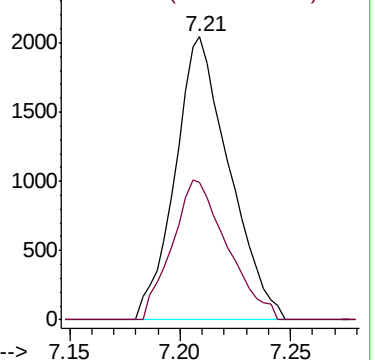
75 100

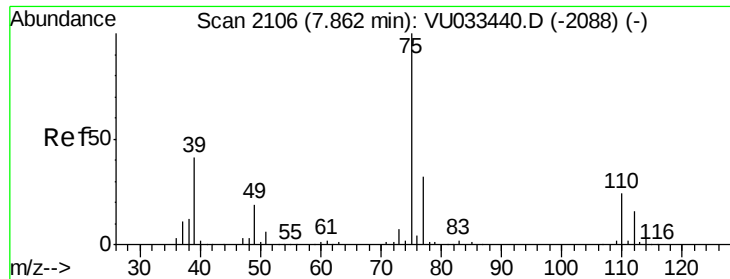
77 48.6 23.1 42.9#



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: 0.739 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU033463.D

Acq: 26 Jul 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

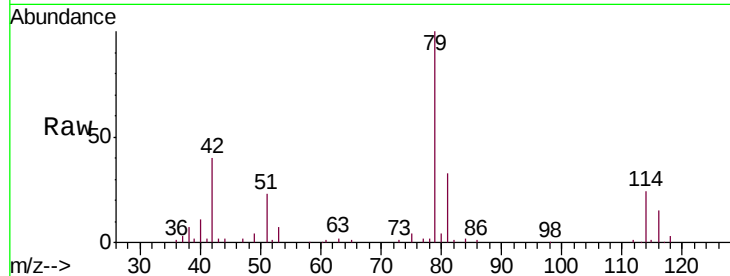
VIBLK40

Tgt Ion: 75 Resp: 2198

Ion Ratio Lower Upper

75 100

77 45.6 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU033440.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033440.D (-2088) (-)

7.83

1500

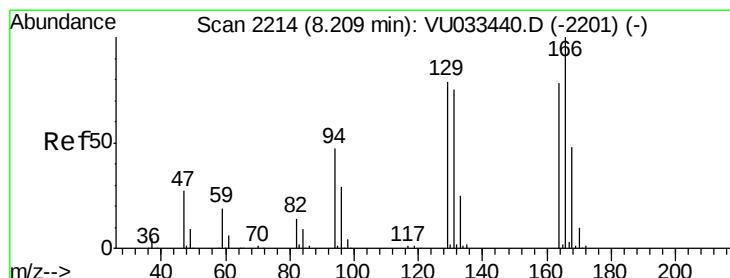
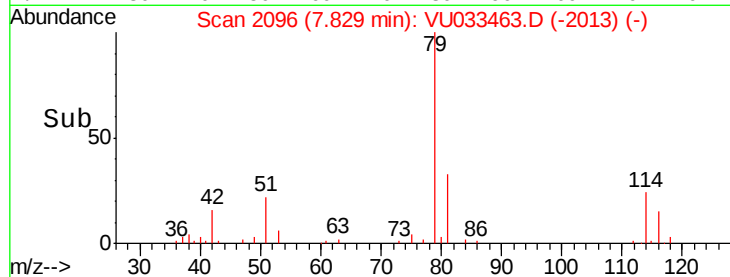
1000

500

0

7.80 7.85

Time-->



#46

Tetrachloroethene

Concen: 0.483 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU033463.D

Acq: 26 Jul 2019 18:59

Tgt Ion: 164 Resp: 776

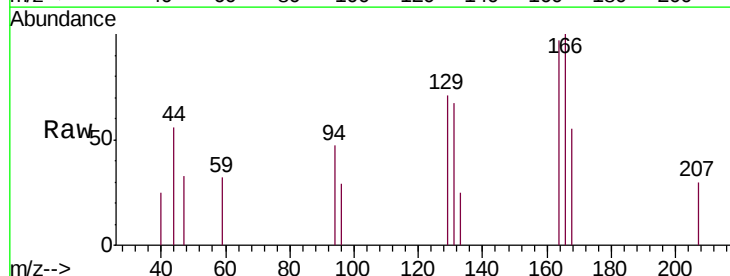
Ion Ratio Lower Upper

164 100

129 73.0 69.6 129.2

131 69.4 65.7 122.1

166 103.2 88.5 164.4



Abundance Ion 164.00 (163.70 to 164.70): VU033440.D (-2201) (-)

Ion 129.00 (128.70 to 129.70): VU033440.D (-2201) (-)

Ion 131.00 (130.70 to 131.70): VU033440.D (-2201) (-)

Ion 166.00 (165.70 to 166.70): VU033440.D (-2201) (-)

800

600

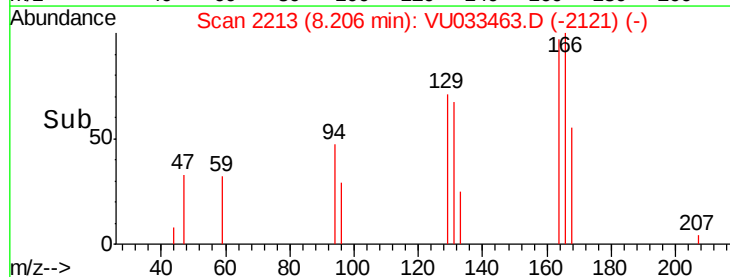
400

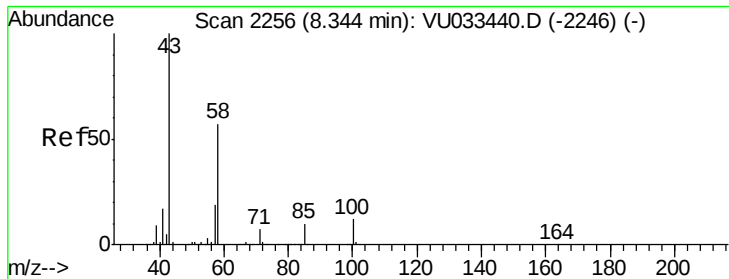
200

0

8.18 8.20 8.22 8.24

Time-->

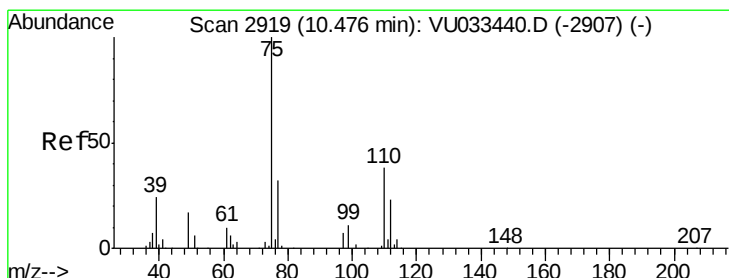
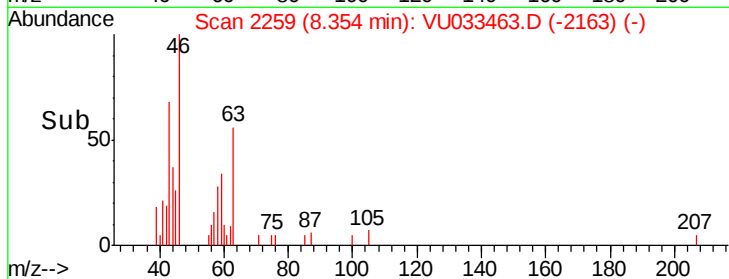
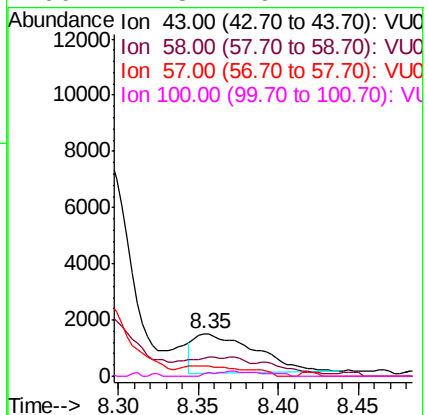
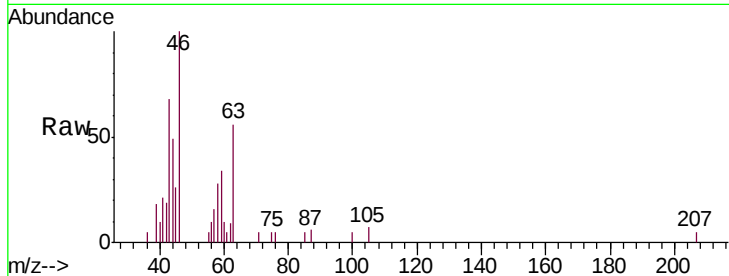




#48
2-Hexanone
Concen: 1.596 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU033463.D
Acq: 26 Jul 2019 18:59

Instrument :
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ClientSampleId :
VIBLK40

Tgt Ion: 43 Resp: 3751
Ion Ratio Lower Upper
43 100
58 0.0 46.1 69.1#
57 10.8 15.8 23.8#
100 1.8 9.4 14.2#



#59
1,2,3-Trichloropropane
Concen: 5.191 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033463.D
Acq: 26 Jul 2019 18:59

Tgt Ion: 75 Resp: 14532
Ion Ratio Lower Upper
75 100
77 35.7 26.0 39.0

