

Data File : VU033904.D
Acq On : 22 Aug 2019 16:47
Operator : JC/SP
Sample : VIBLK41
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK41

Quant Time: Aug 23 02:42:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 02:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	603956	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	597935	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	262474	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	228904	43.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.44%
7) Chloroethane-d5	1.67	69	193152	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.94%
11) 1,1-Dichloroethene-d2	2.25	63	330669	34.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.22%
21) 2-Butanone-d5	4.15	46	340140	95.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.44%
24) Chloroform-d	4.62	84	392966	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
26) 1,2-Dichloroethane-d4	5.28	65	264488	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.92%
32) Benzene-d6	5.32	84	828421	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
36) 1,2-Dichloropropane-d6	6.31	67	273531	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.26%
41) Toluene-d8	7.55	98	731887	47.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.36%
43) trans-1,3-Dichloropropene-	7.83	79	122119	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.02%
47) 2-Hexanone-d5	8.29	63	210709	91.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.93%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	359163	45.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.52%
64) 1,2-Dichlorobenzene-d4	11.84	152	275079	51.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.72%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	5140	1.215 ug/L #	59
12) 1,1-Dichloroethene	2.26	96	4053	0.995 ug/L #	1
14) Carbon disulfide	2.46	76	23564	1.799 ug/L	96
25) Chloroform	4.65	83	7663	0.887 ug/L	98
48) 2-Hexanone	8.35	43	16701	3.036 ug/L #	88
62) 1,3-Dichlorobenzene	11.40	146	10406	1.262 ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	11795	1.381 ug/L	94
65) 1,2-Dichlorobenzene	11.86	146	10619	1.291 ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	1987	1.317 ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	12045	1.901 ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	10798	2.078 ug/L	98
69) Naphthalene	13.74	128	50906	3.281 ug/L	95
70) 1,2,3-Trichlorobenzene	13.98	180	12589	2.292 ug/L	88

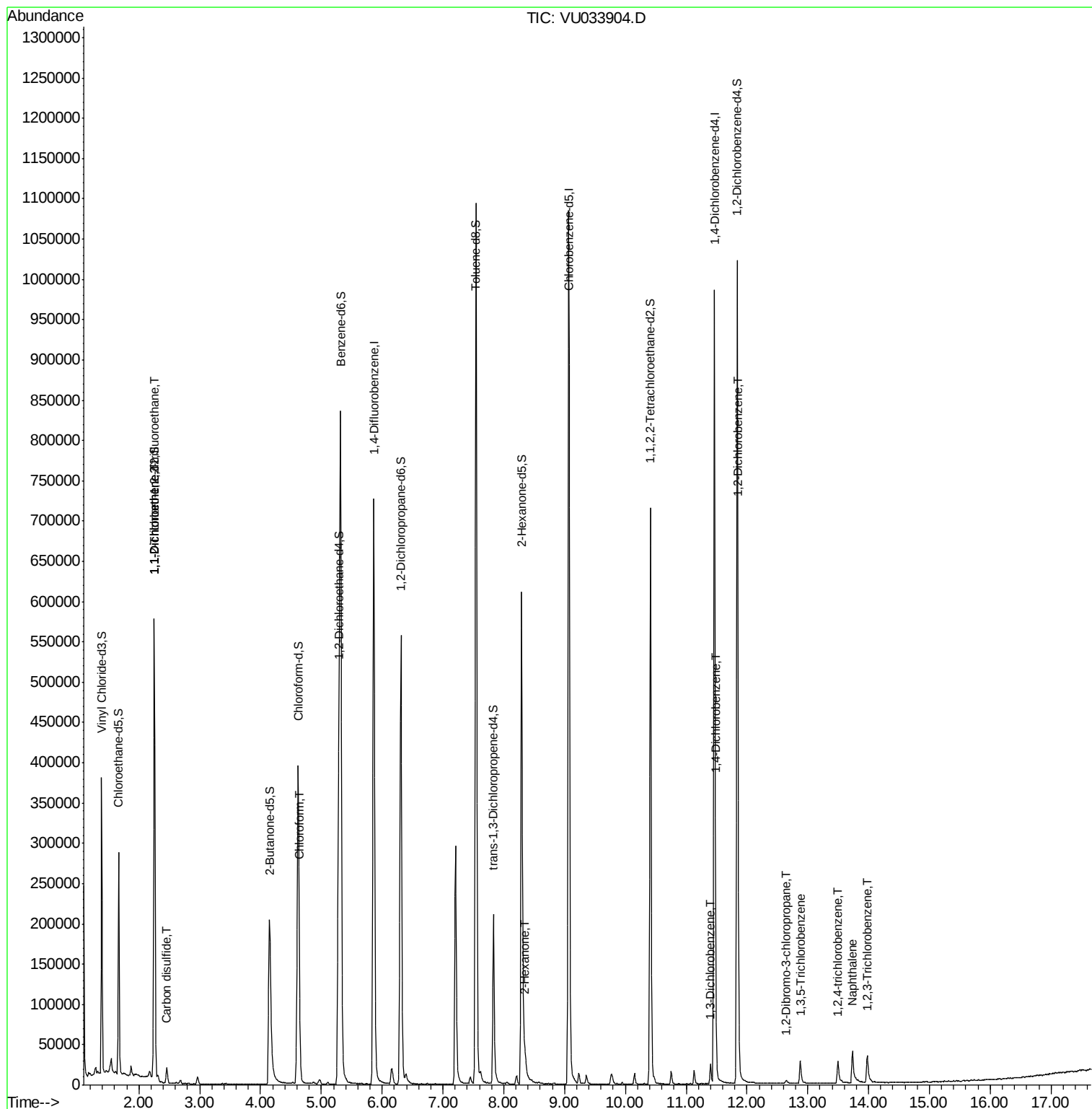
(#) = qualifier out of range (m) = manual integration (+) = signals summed

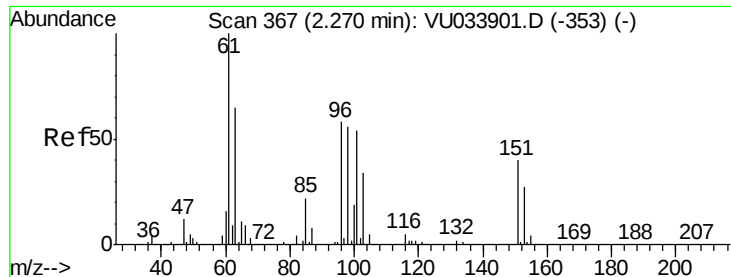
Data File : VU033904.D

```
Acq On       : 22 Aug 2019   16:47
Operator    : JC/SP
Sample      : VIBLK41
Misc       : 5.0mL/MSVOA_U/WATER
ALS Vial    : 7      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VIBLK41

Quant Time: Aug 23 02:42:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 02:20:51 2019
Response via : Initial Calibration





#10

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

Concen: 1.215 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033904.D

Acq: 22 Aug 2019 16:47

Instrument :

MSVOA_U

ClientSampleId :

VIBLK41

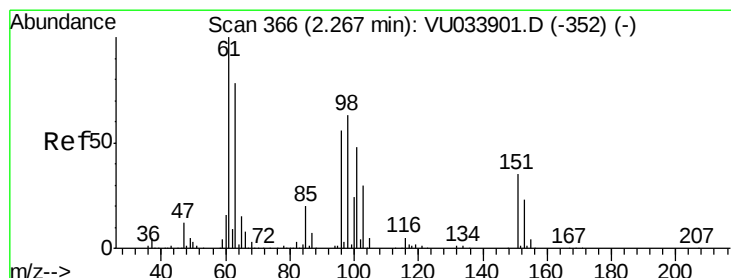
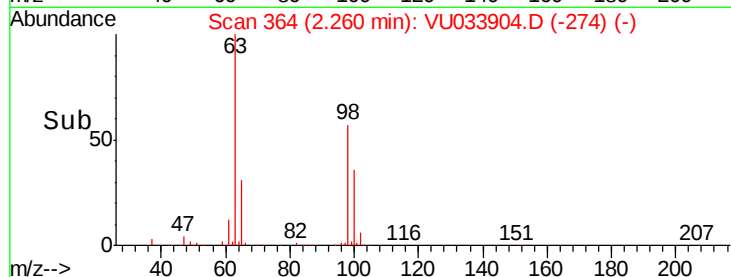
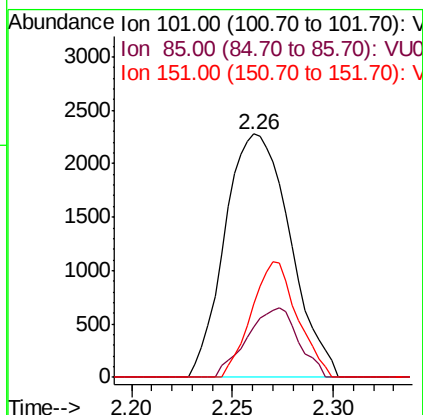
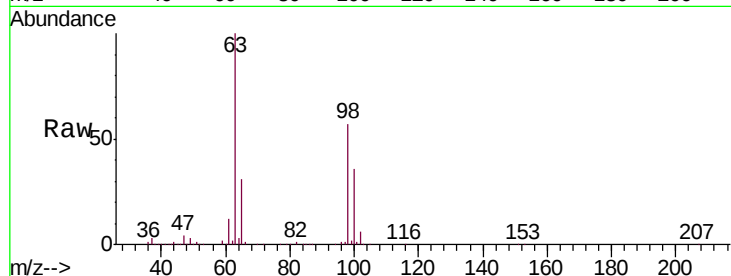
Tgt Ion: 101 Resp: 5140

Ion Ratio Lower Upper

101 100

85 22.4 33.7 50.5#

151 33.3 57.8 86.6#



#12

1,1-Dichloroethene

Concen: 0.995 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033904.D

Acq: 22 Aug 2019 16:47

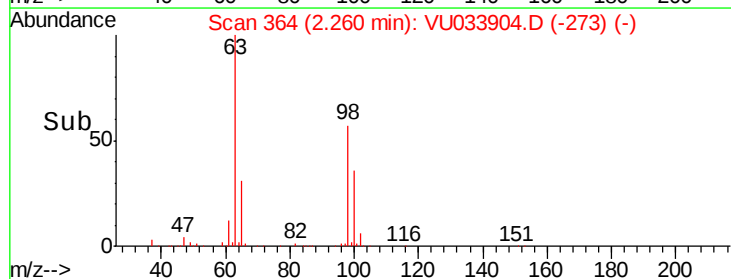
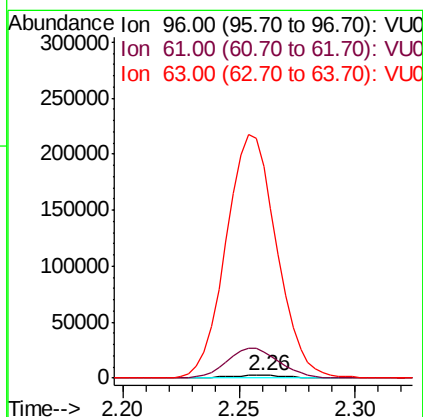
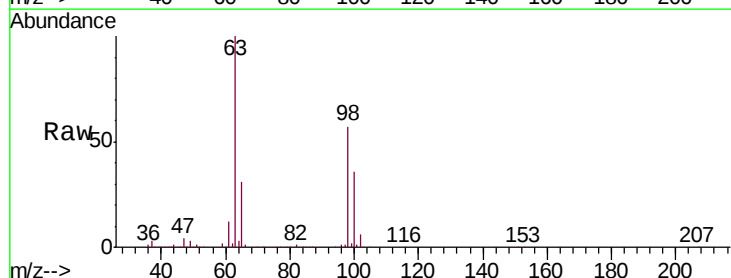
Tgt Ion: 96 Resp: 4053

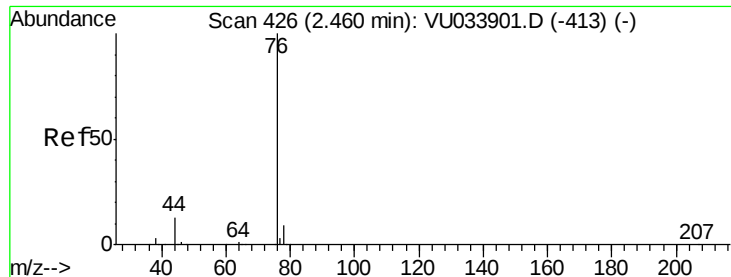
Ion Ratio Lower Upper

96 100

61 969.2 124.7 231.5#

63 7767.1 97.9 181.9#





#14

Carbon disulfide

Concen: 1.799 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033904.D

Acq: 22 Aug 2019 16:47

Instrument :

MSVOA_U

ClientSampleId :

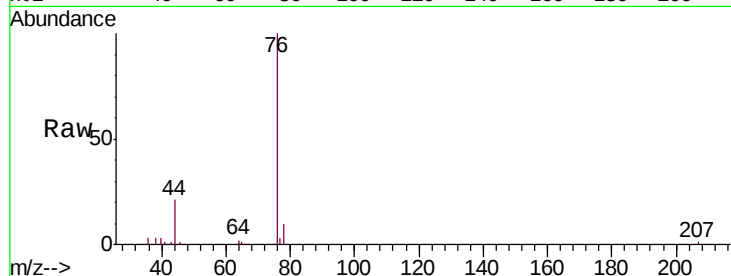
VIBLK41

Tgt Ion: 76 Resp: 23564

Ion Ratio Lower Upper

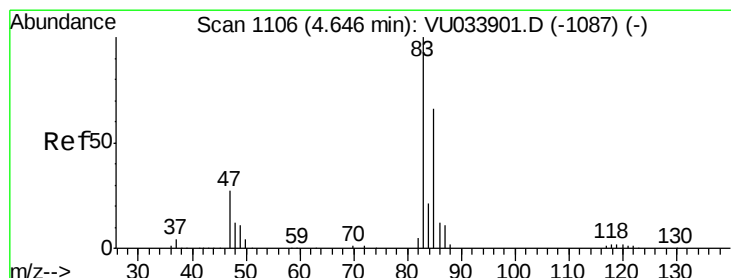
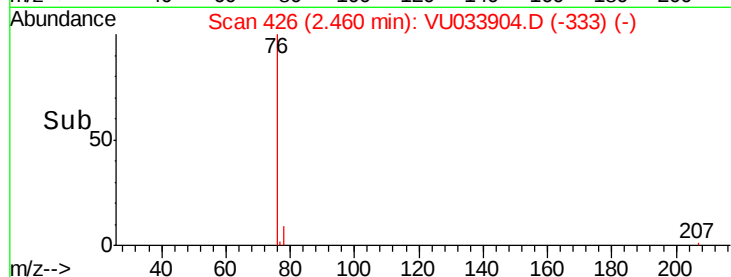
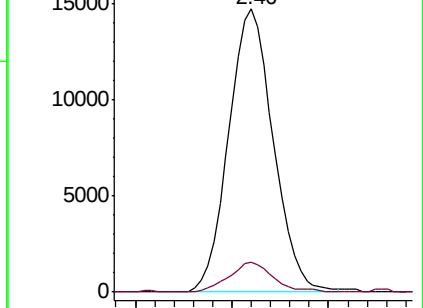
76 100

78 10.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033904.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033904.D (-413) (-)



#25

Chloroform

Concen: 0.887 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033904.D

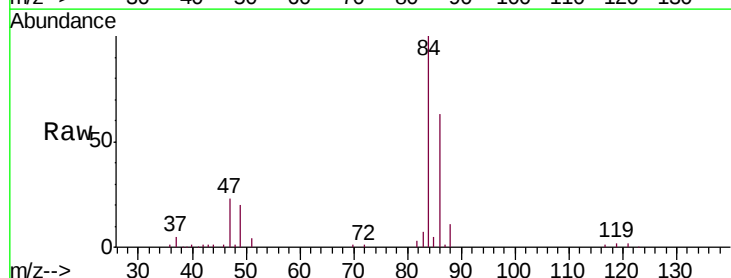
Acq: 22 Aug 2019 16:47

Tgt Ion: 83 Resp: 7663

Ion Ratio Lower Upper

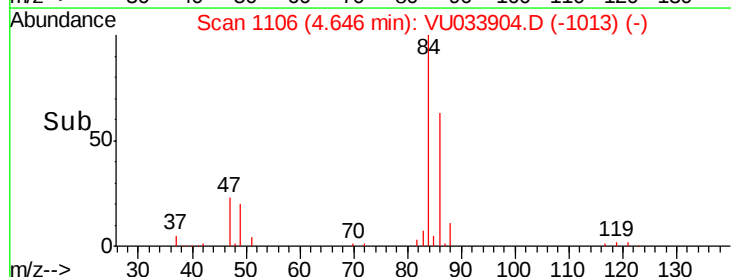
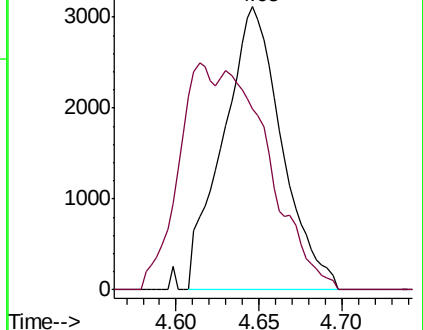
83 100

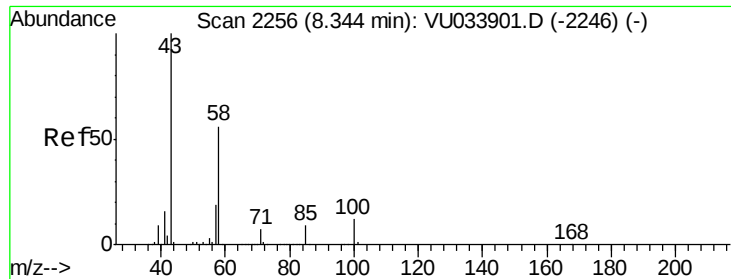
85 64.1 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VU033904.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU033904.D (-1013) (-)

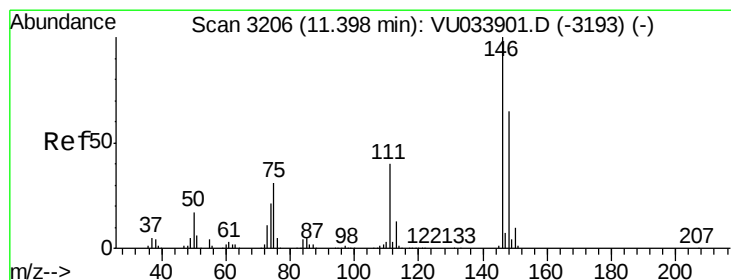
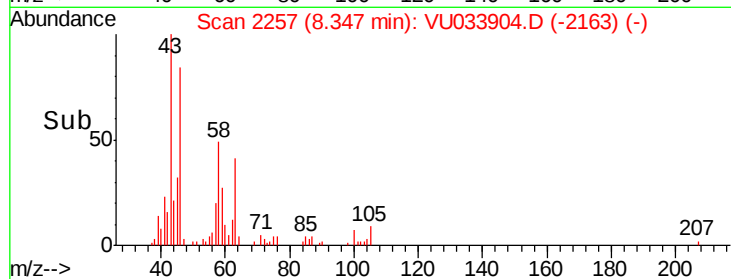
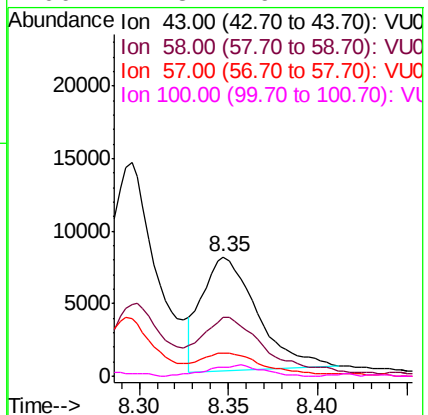
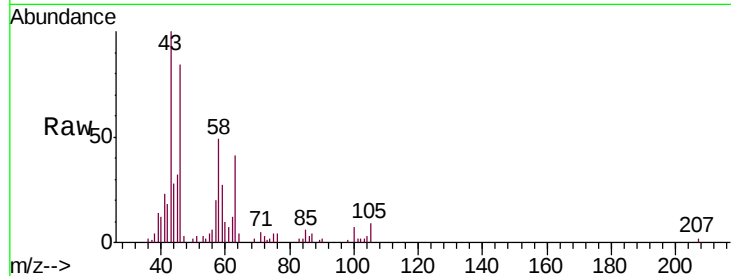




#48
2-Hexanone
Concen: 3.036 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033904.D
Acq: 22 Aug 2019 16:47

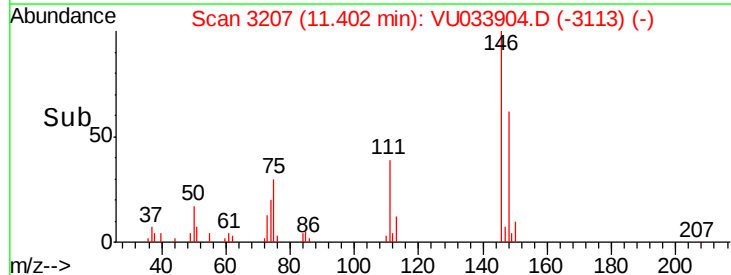
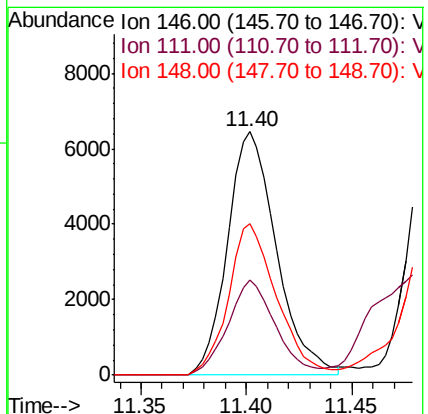
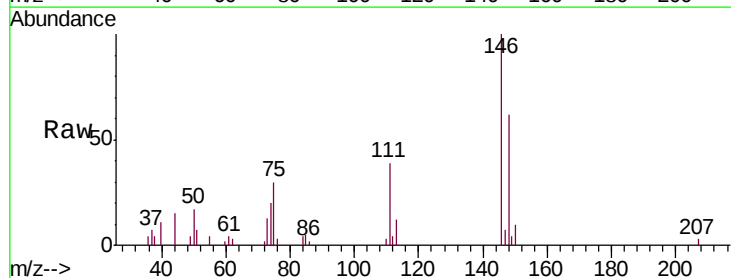
Instrument :
MSVOA_U
ClientSampleId :
VIBLK41

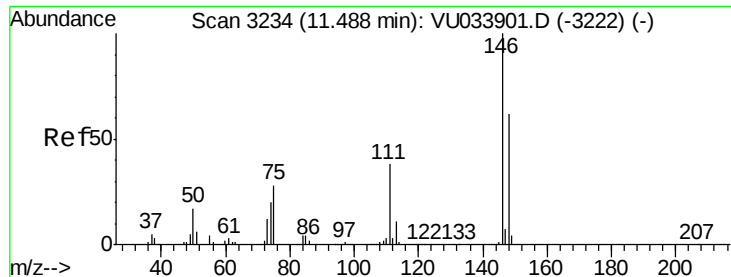
Tgt Ion:	43	Resp:	16701
Ion	Ratio	Lower	Upper
43	100		
58	46.3	44.3	66.5
57	23.7	15.3	22.9#
100	7.8	9.4	14.2#



#62
1,3-Dichlorobenzene
Concen: 1.262 ug/L
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033904.D
Acq: 22 Aug 2019 16:47

Tgt Ion:	146	Resp:	10406
Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.8	51.6
148	62.3	45.1	83.9

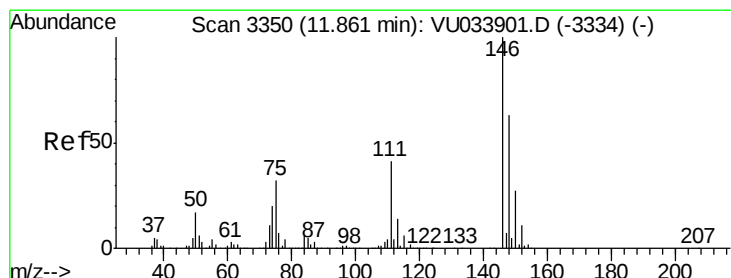
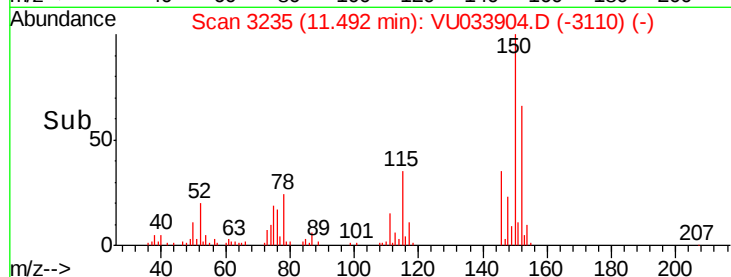
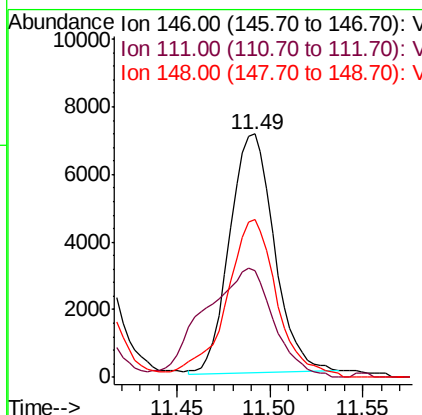
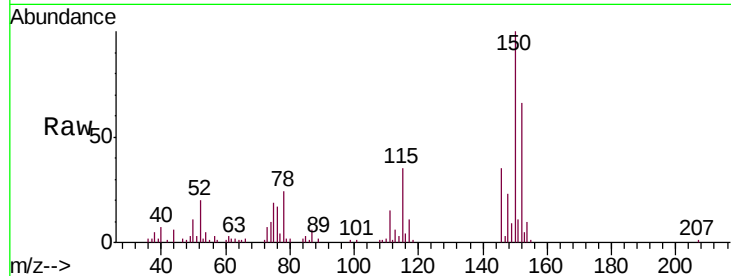




#63
 1,4-Dichlorobenzene
 Concen: 1.381 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033904.D
 Acq: 22 Aug 2019 16:47

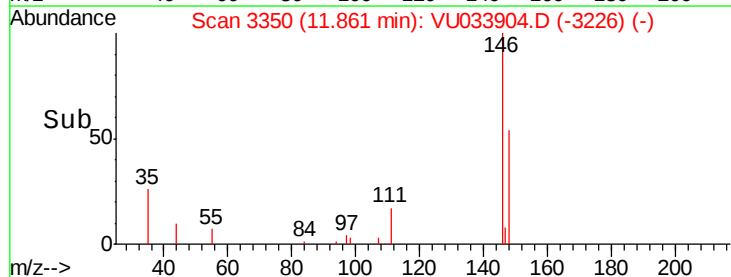
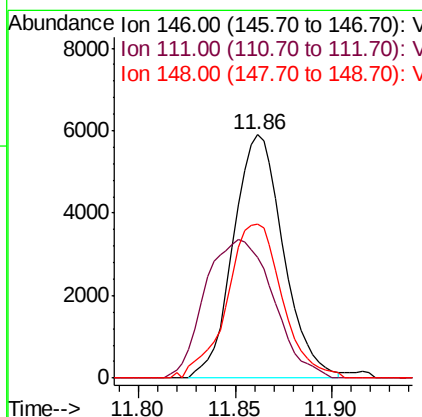
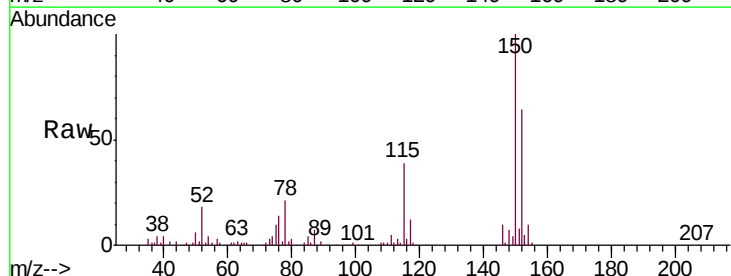
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK41

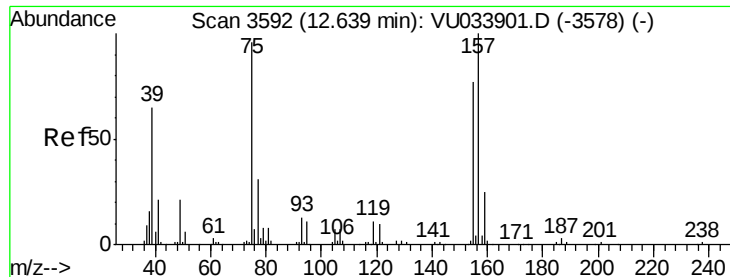
Tgt Ion:146 Resp: 11795
 Ion Ratio Lower Upper
 146 100
 111 44.0 26.7 49.5
 148 64.7 43.5 80.9



#65
 1,2-Dichlorobenzene
 Concen: 1.291 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033904.D
 Acq: 22 Aug 2019 16:47

Tgt Ion:146 Resp: 10619
 Ion Ratio Lower Upper
 146 100
 111 49.5 33.1 49.7
 148 63.1 50.8 76.2

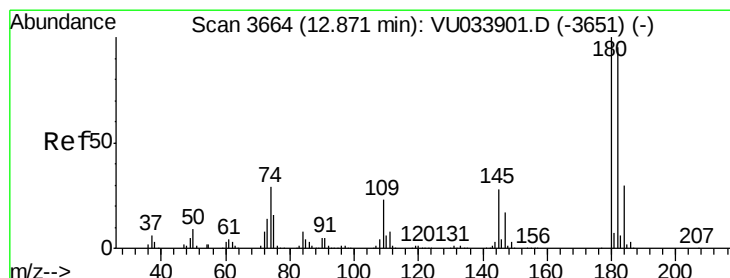
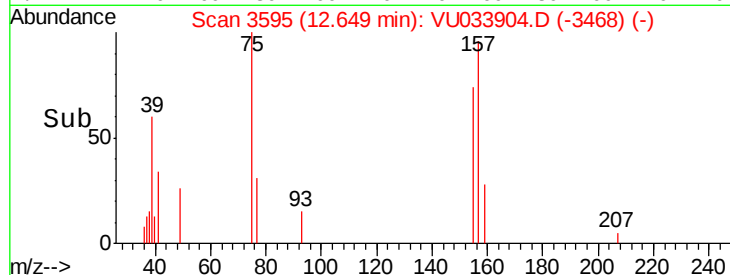
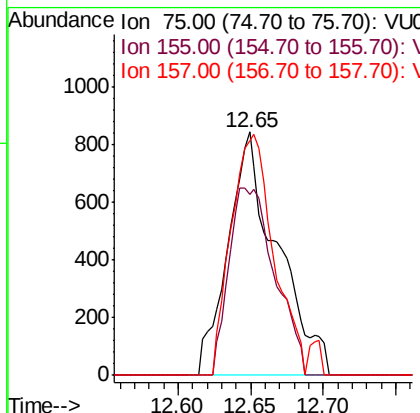
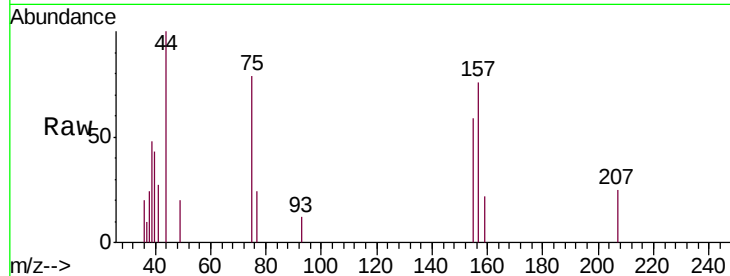




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.317 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.01 min
 Lab File: VU033904.D
 Acq: 22 Aug 2019 16:47

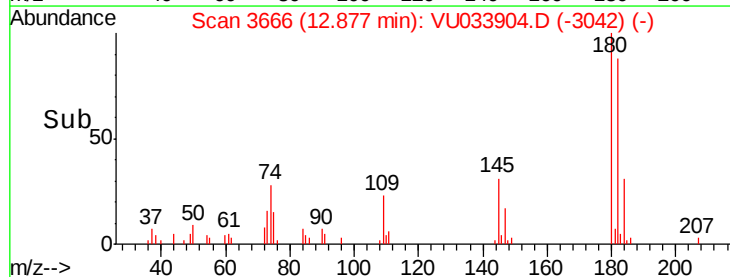
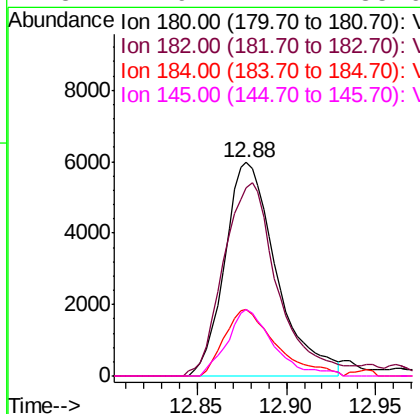
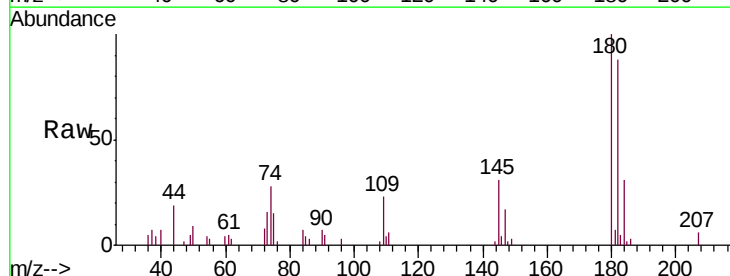
Instrument :
 MSVOA_U
 ClientSampled :
 VIBLK41

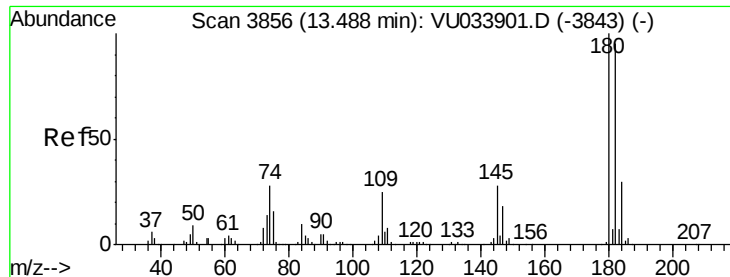
Tgt Ion: 75 Resp: 1987
 Ion Ratio Lower Upper
 75 100
 155 74.5 64.3 96.5
 157 96.3 83.4 125.2



#67
 1,3,5-Trichlorobenzene
 Concen: 1.901 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.01 min
 Lab File: VU033904.D
 Acq: 22 Aug 2019 16:47

Tgt Ion: 180 Resp: 12045
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.4 114.6
 184 31.2 24.1 36.1
 145 27.9 22.4 33.6

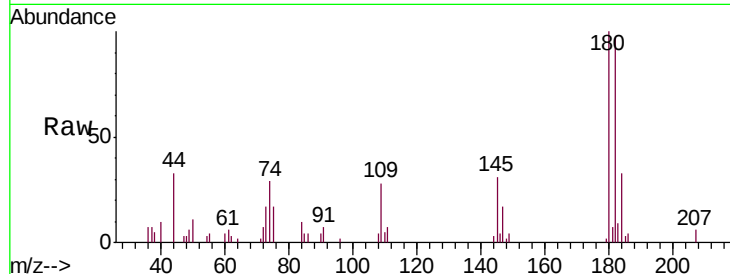




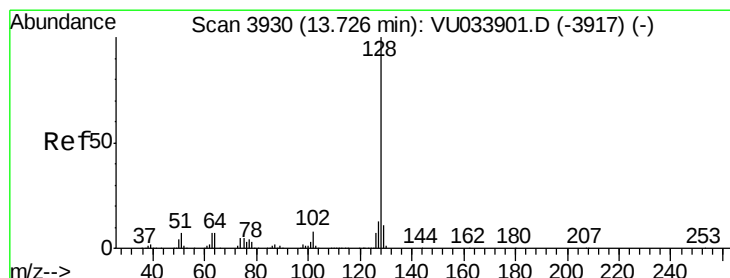
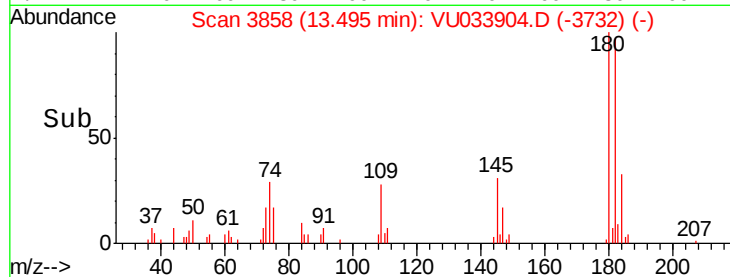
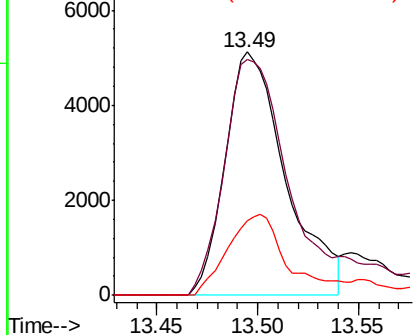
#68
 1,2,4-trichlorobenzene
 Concen: 2.078 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033904.D
 Acq: 22 Aug 2019 16:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK41

Tgt Ion:180 Resp: 10798
 Ion Ratio Lower Upper
 180 100
 182 99.0 76.8 115.2
 145 28.3 22.8 34.2

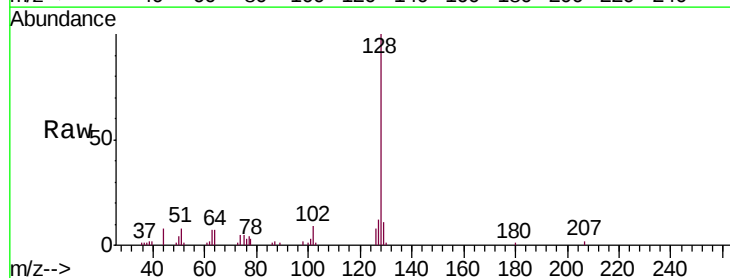


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

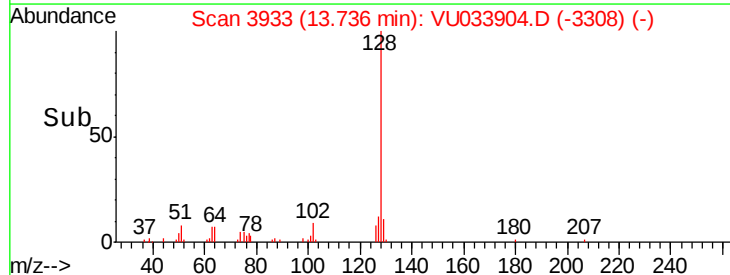
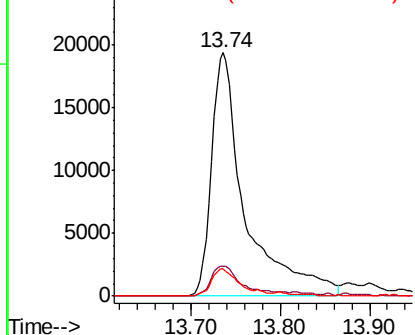


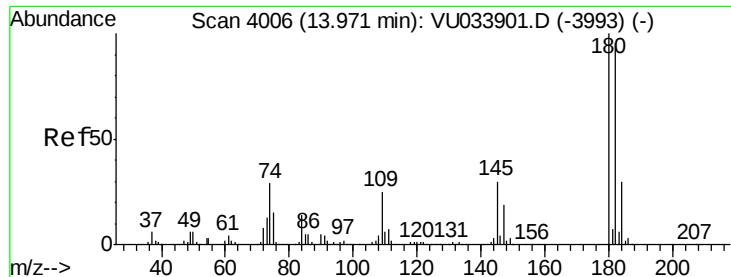
#69
 Naphthalene
 Concen: 3.281 ug/L
 RT: 13.74 min Scan# 3933
 Delta R.T. 0.01 min
 Lab File: VU033904.D
 Acq: 22 Aug 2019 16:47

Tgt Ion:128 Resp: 50906
 Ion Ratio Lower Upper
 128 100
 127 10.6 10.1 15.1
 129 8.5 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

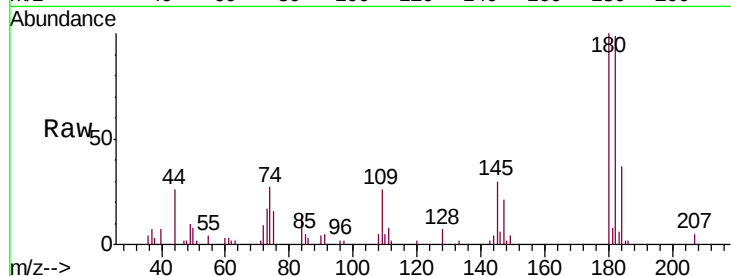




#70
 1,2,3-Trichlorobenzene
 Concen: 2.292 ug/L
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU033904.D
 Acq: 22 Aug 2019 16:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK41

Tgt Ion	Resp	Lower	Upper
180	12589		
182	111.3	76.7	115.1
145	31.0	23.9	35.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

