

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003762.D
 Acq On : 14 Dec 2020 21:05
 Operator : SY/MD
 Sample : VIBLK67
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK67

Quant Time: Dec 15 03:43:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 03:40:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	336474	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	314102	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	161753	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	122810	26.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.00%
7) Chloroethane-d5	2.77	69	94237	27.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.12%
10) 1,1-Dichloroethene-d2	3.86	63	181616	18.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.28%
20) 2-Butanone-d5	6.90	46	112857	56.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.80%
24) Chloroform-d	7.49	84	222140	25.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.68%
26) 1,2-Dichloroethane-d4	8.15	65	136809	27.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.76%
29) Benzene-d6	8.12	84	467924	25.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.96%
33) 1,2-Dichloropropane-d6	9.12	67	143237	25.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.20%
37) Toluene-d8	10.18	98	423146	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.88%
38) trans-1,3-Dichloropropene-	10.44	79	72332	26.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.84%
39) 2-Hexanone-d5	10.79	63	85980	55.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.16%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	130074	26.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	158731	27.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.28%

Target Compounds

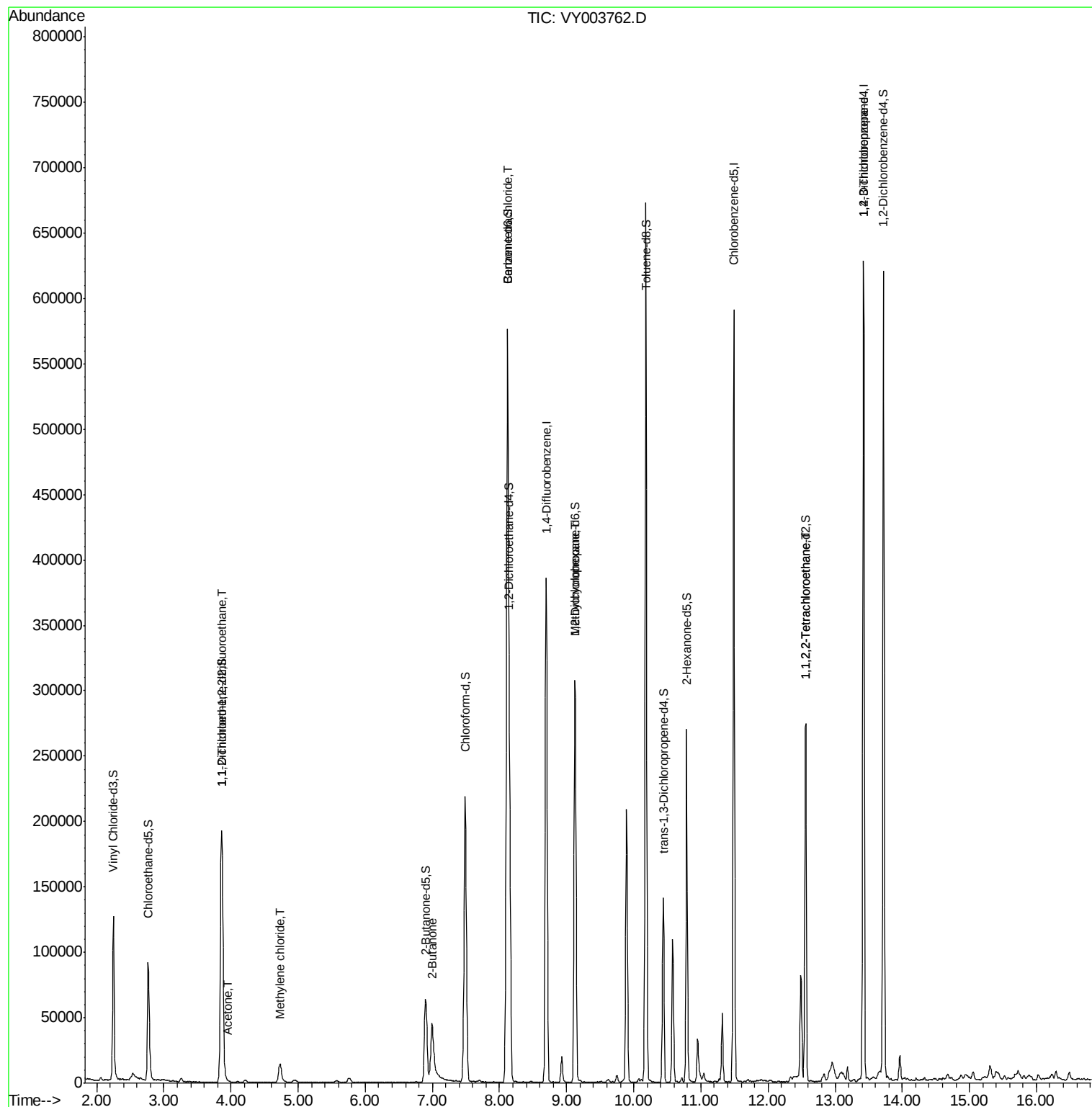
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	1709	0.349	ug/L #	19
13) Acetone	3.95	43	1267	0.918	ug/L	71
16) Methylene chloride	4.73	84	10036	1.661	ug/L	89
21) 2-Butanone	7.00	43	2426	1.012	ug/L #	55
32) Carbon tetrachloride	8.12	117	1824	0.269	ug/L #	23
36) Methylcyclohexane	9.13	83	34363	3.782	ug/L #	20
58) 1,1,2,2-Tetrachloroethane	12.57	83	893	0.182	ug/L #	1
59) 1,2,3-Trichloropropane	13.42	75	19841	4.799	ug/L	95

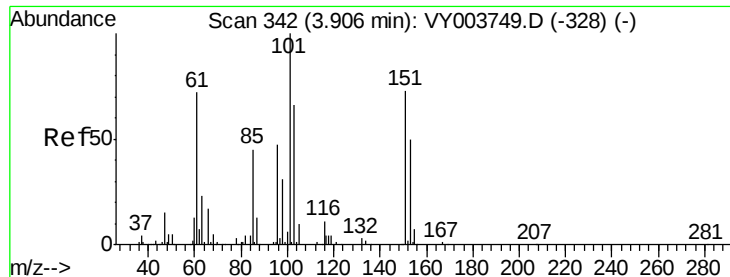
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Dec 15 03:40:13 2020
Response via : Initial Calibration





#11

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

Concen: 0.349 ug/L

RT: 3.86 min Scan# 334

Delta R.T. -0.05 min

Lab File: VY003762.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK67

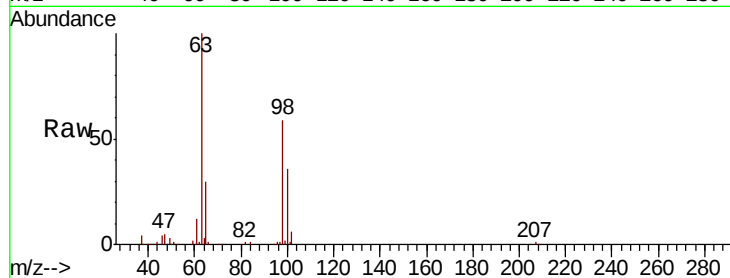
Tot Ion:101 Resp: 1709

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 62.1 93.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VY0

Ion 151.00 (150.70 to 151.70): V

3.86

600

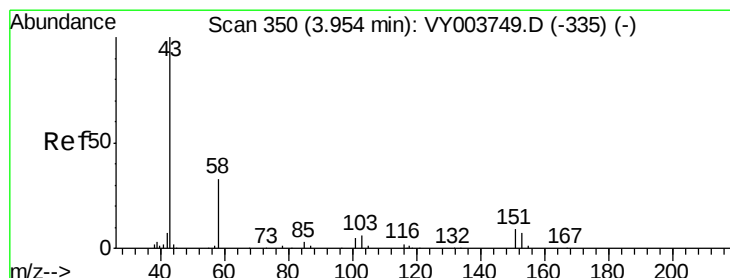
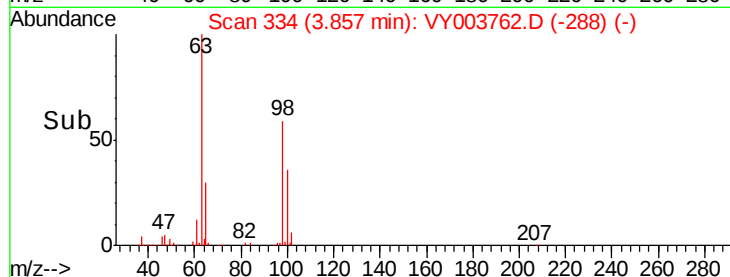
400

200

0

3.80 3.85 3.90

Time-->



#13

Acetone

Concen: 0.918 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY003762.D

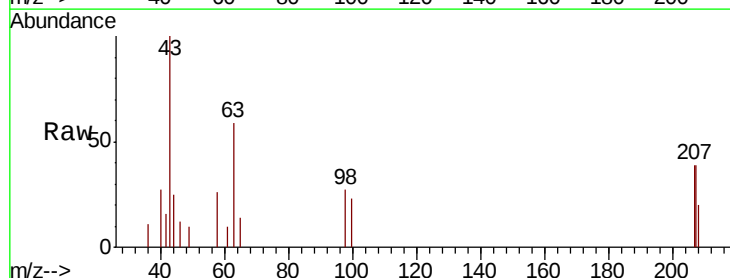
Acq: 14 Dec 2020 21:05

Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

43 100

58 16.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

600

500

400

300

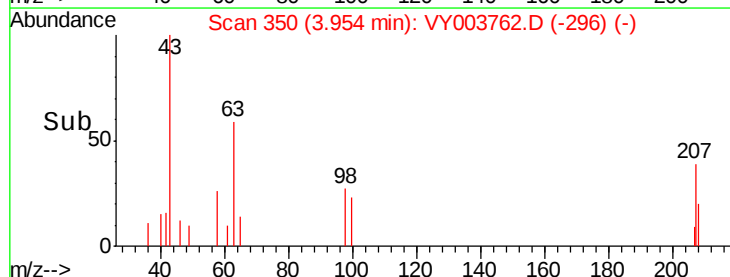
200

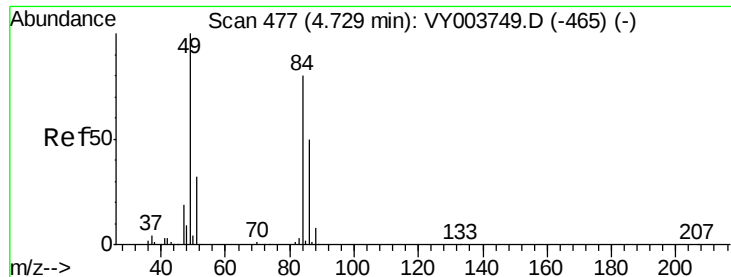
100

0

3.90 3.95 4.00

Time-->

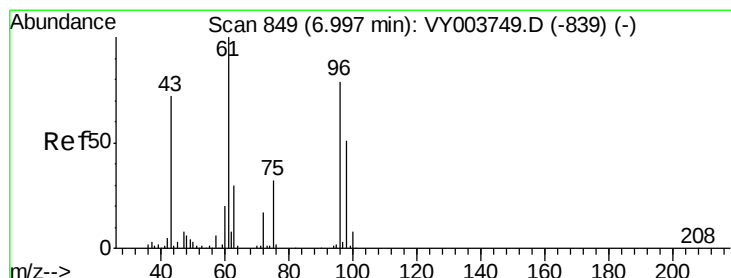
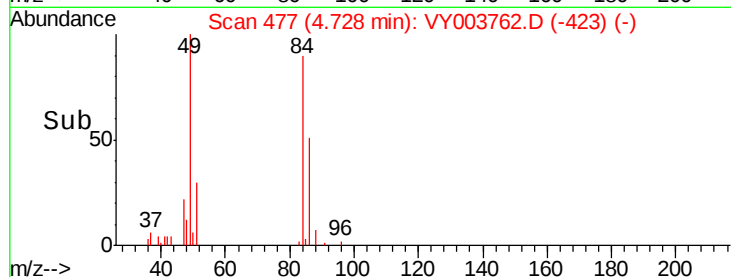
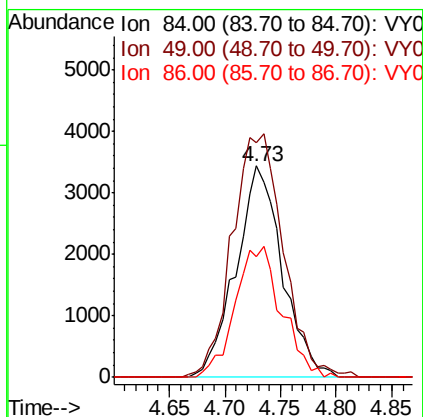
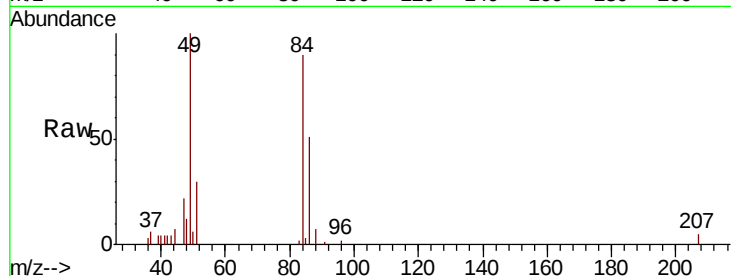




#16
Methvlene chloride
Concen: 1.661 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VY003762.D
Acq: 14 Dec 2020 21:05

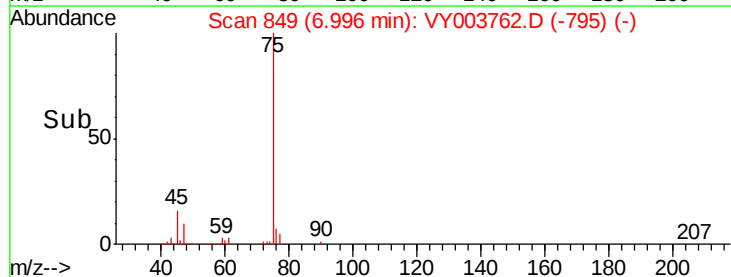
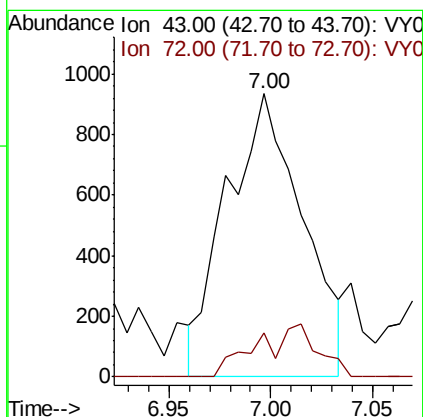
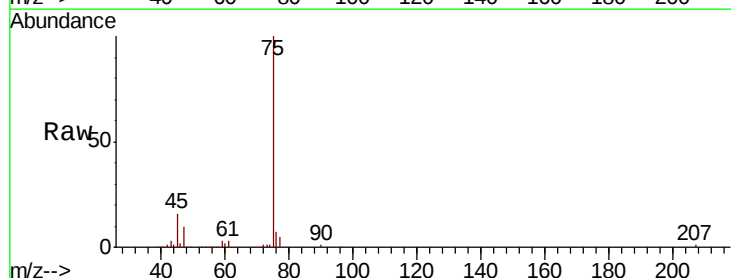
Instrument :
MSVOA_Y
ClientSampled :
VIBLK67

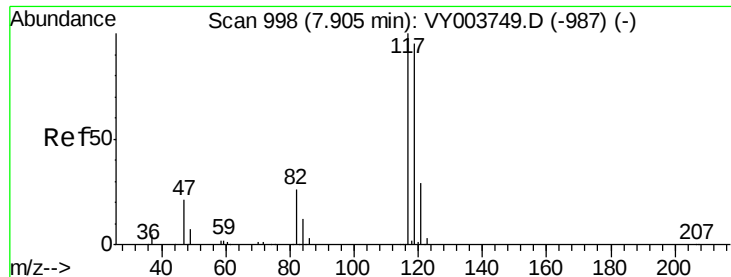
Tot Ion: 84 Resp: 10036
Ion Ratio Lower Upper
84 100
49 110.9 88.2 163.8
86 56.8 43.0 79.8



#21
2-Butanone
Concen: 1.012 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.00 min
Lab File: VY003762.D
Acq: 14 Dec 2020 21:05

Tgt Ion: 43 Resp: 2426
Ion Ratio Lower Upper
43 100
72 3.1 13.0 39.0#





#32

Carbon tetrachloride

Concen: 0.269 ug/L

RT: 8.12 min Scan# 1034

Delta R.T. 0.22 min

Lab File: VY003762.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_Y

ClientSampleId :

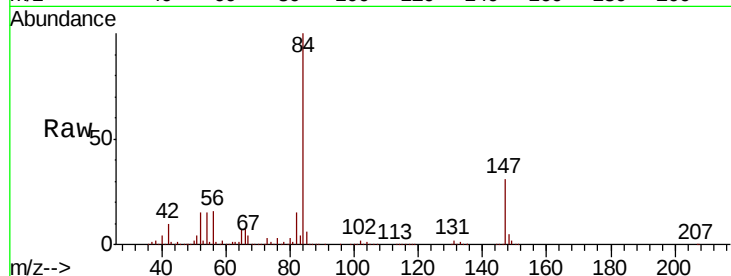
VIBLK67

Tot Ion:117 Resp: 1824

Ion Ratio Lower Upper

117 100

119 20.8 77.1 115.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.12

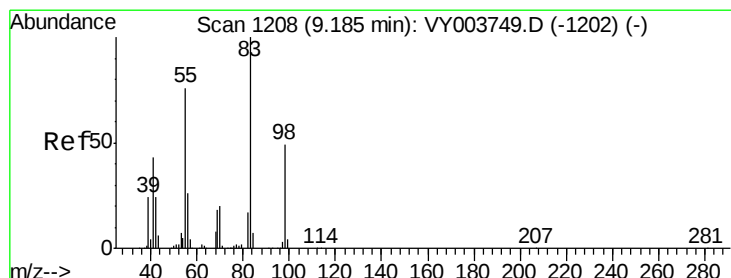
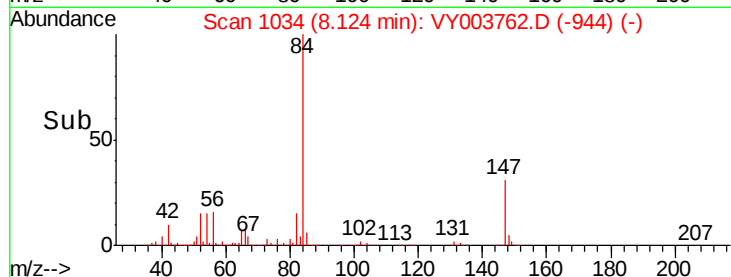
600

400

200

0

Time--> 8.05 8.10 8.15



#36

Methylcyclohexane

Concen: 3.782 ug/L

RT: 9.13 min Scan# 1199

Delta R.T. -0.06 min

Lab File: VY003762.D

Acq: 14 Dec 2020 21:05

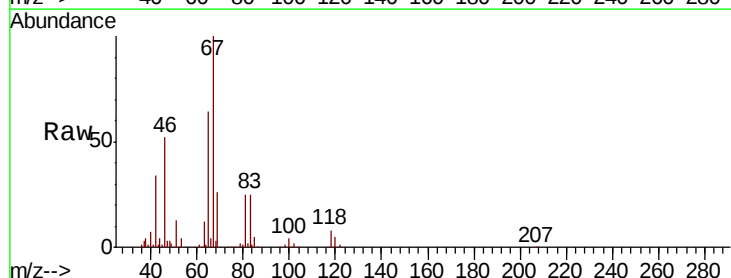
Tgt Ion: 83 Resp: 34363

Ion Ratio Lower Upper

83 100

55 0.8 60.3 90.5#

98 2.0 40.4 60.6#



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

9.13

20000

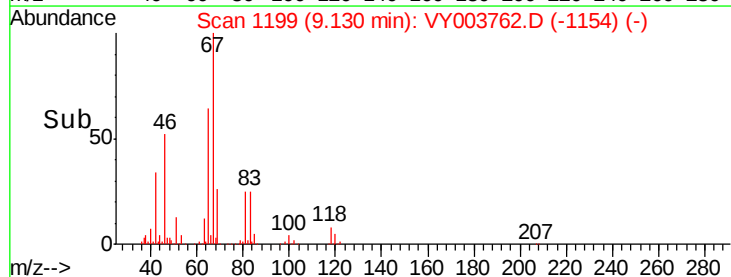
15000

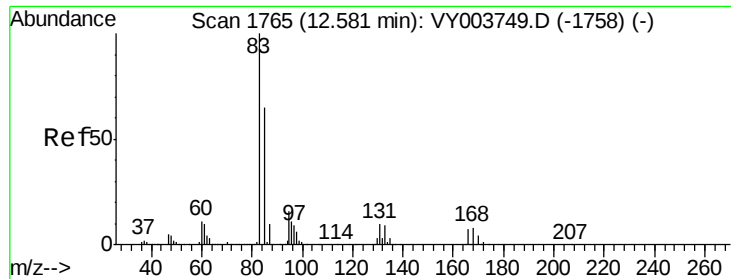
10000

5000

0

Time--> 9.05 9.10 9.15 9.20





#58

1,1,2,2-Tetrachloroethane

Concen: 0.182 ug/L

RT: 12.57 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY003762.D

Acq: 14 Dec 2020 21:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK67

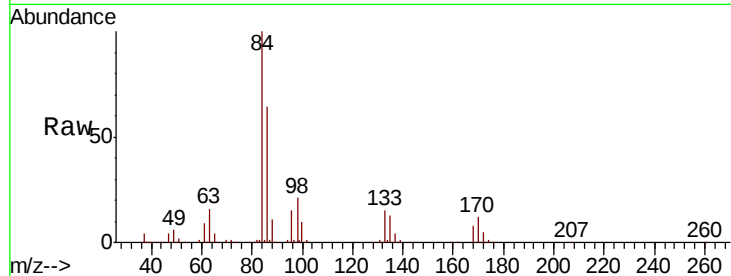
Tot Ion: 83 Resp: 893

Ion Ratio Lower Upper

83 100

85 174.0 43.9 81.5#

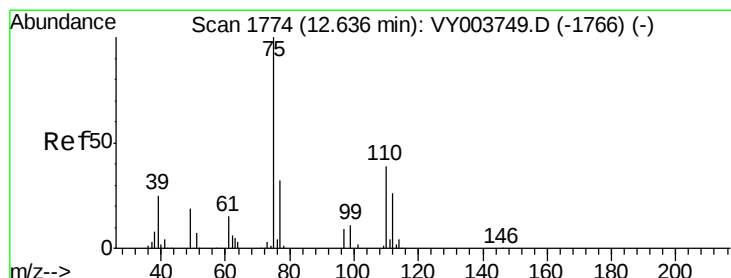
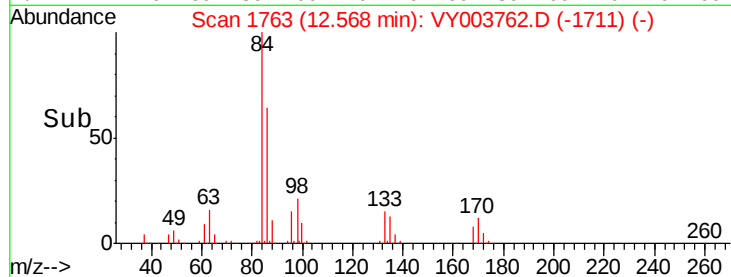
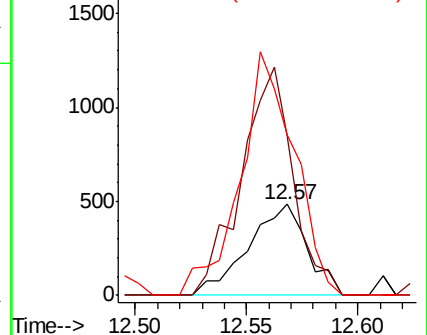
131 175.5 7.8 11.8#



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): VY0



#59

1,2,3-Trichloropropane

Concen: 4.799 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003762.D

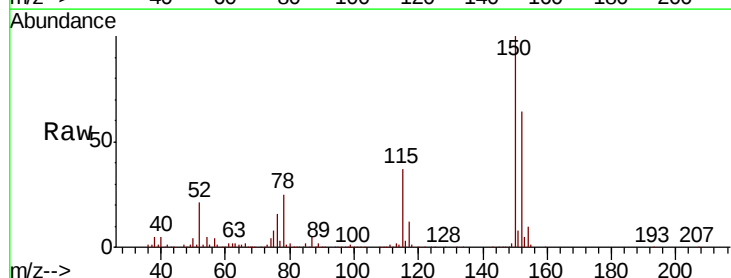
Acq: 14 Dec 2020 21:05

Tgt Ion: 75 Resp: 19841

Ion Ratio Lower Upper

75 100

77 34.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

