

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
 Data File : VY003652.D
 Acq On : 03 Dec 2020 18:40
 Operator : SY/MD
 Sample : VY1203SBL07
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VBLK426

Quant Time: Dec 04 00:26:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 00:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	221715	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	208637	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	102894	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	53567	18.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.96%
7) Chloroethane-d5	2.77	69	46284	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.36%
11) 1,1-Dichloroethene-d2	3.86	63	88462	15.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.36%
21) 2-Butanone-d5	6.90	46	61185	49.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.40%
24) Chloroform-d	7.49	84	123622	21.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.92%
26) 1,2-Dichloroethane-d4	8.15	65	70263	23.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.28%
32) Benzene-d6	8.12	84	265009	22.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	9.12	67	82259	22.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.12%
41) Toluene-d8	10.18	98	236461	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.28%
43) trans-1,3-Dichloropropene-	10.43	79	37289	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.24%
47) 2-Hexanone-d5	10.79	63	46326	48.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.02%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	69028	18.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.60%
66) 1,2-Dichlorobenzene-d4	13.72	152	86823	23.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.12%

Target Compounds

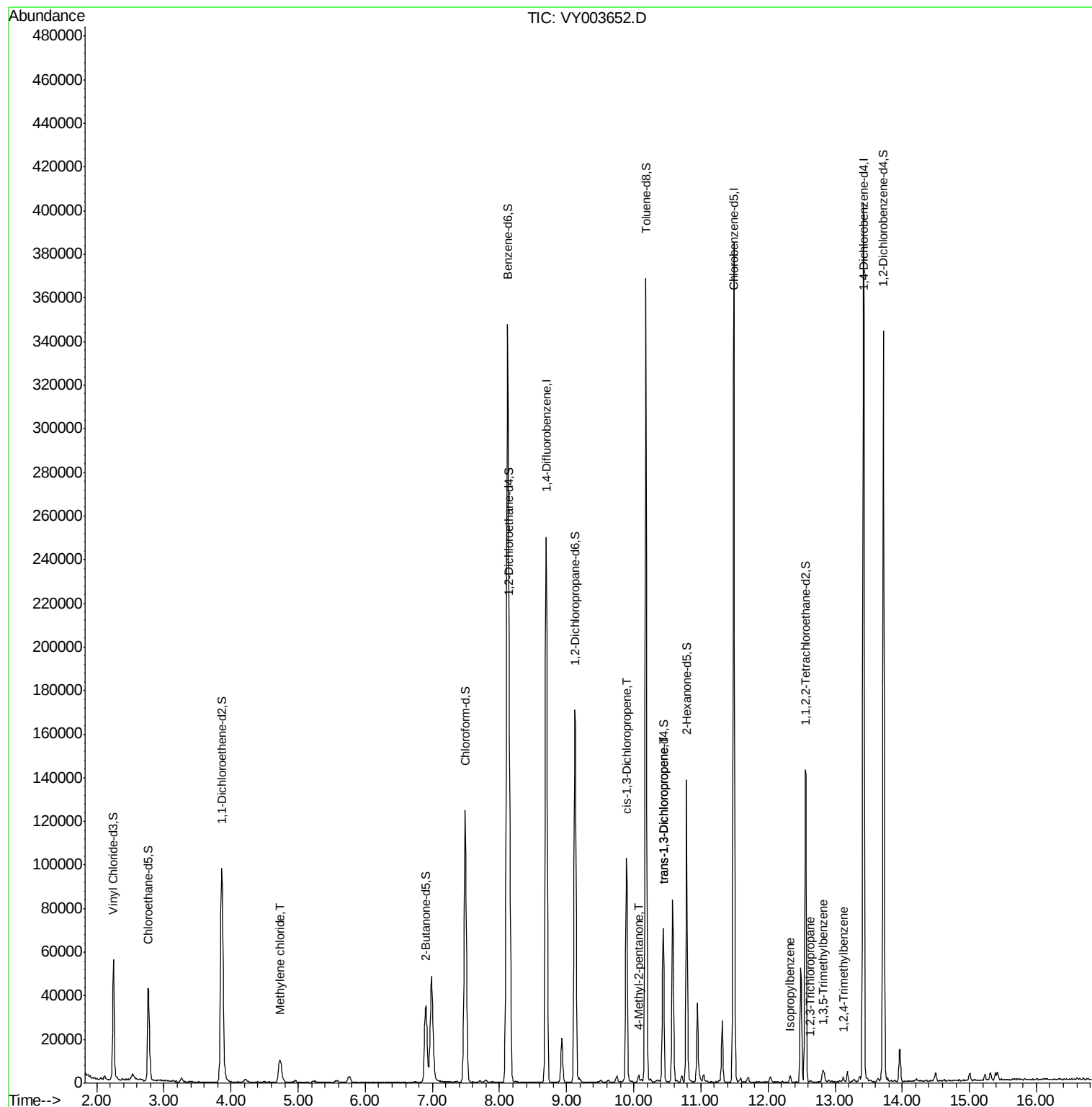
					Ovalue
16) Methylene chloride	4.72	84	8035	2.147 ug/L	97
39) cis-1,3-Dichloropropene	9.89	75	2954	0.591 ug/L #	45
40) 4-Methyl-2-pentanone	10.07	43	2391	0.841 ug/L #	92
44) trans-1,3-Dichloropropene	10.44	75	1979	0.429 ug/L #	12
60) Isopropylbenzene	12.33	105	1218	0.093 ug/L #	81
61) 1,2,3-Trichloropropane	12.63	75	221	0.090 ug/L #	45
62) 1,3,5-Trimethylbenzene	12.81	105	1238	0.119 ug/L	88
63) 1,2,4-Trimethylbenzene	13.12	105	1418	0.138 ug/L	92

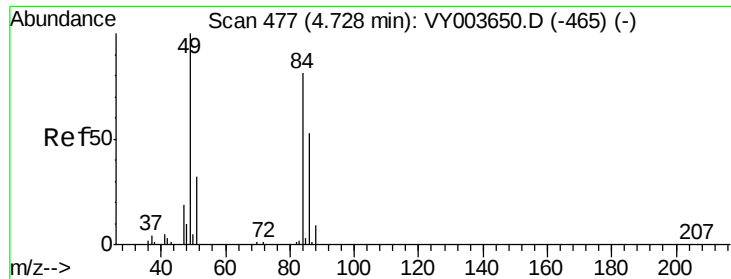
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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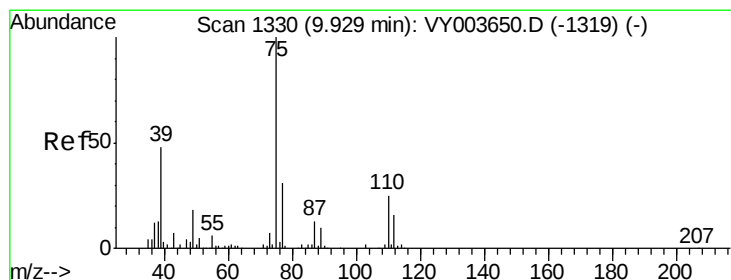
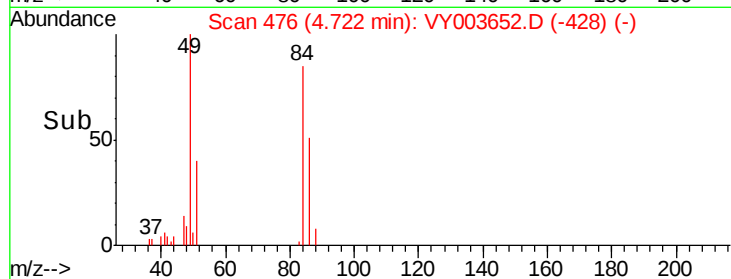
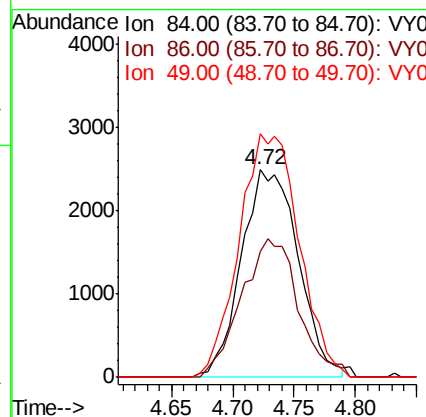
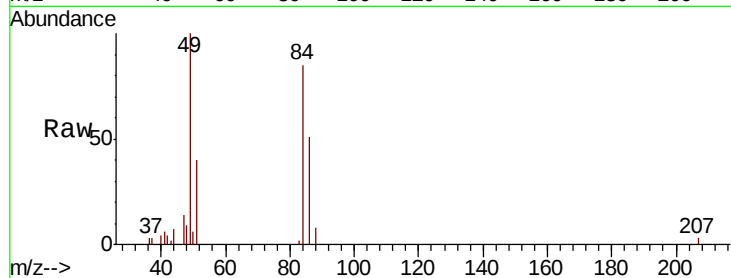




#16
Methvlene chloride
Concen: 2.147 ug/L
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VY003652.D
Acq: 03 Dec 2020 18:40

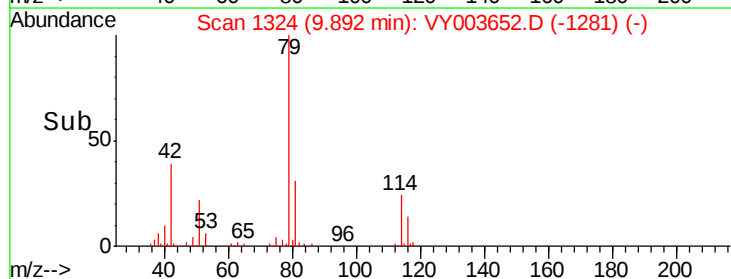
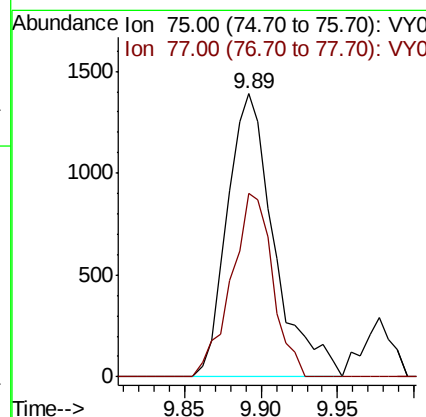
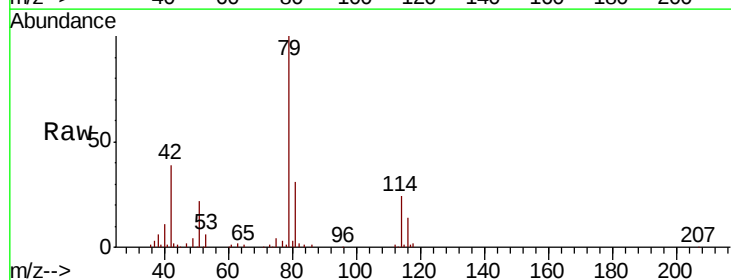
Instrument :
MSVOA_Y
ClientSampleId :
VBLK426

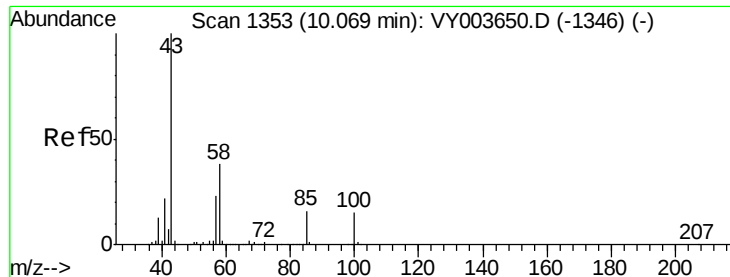
Tot Ion: 84 Resp: 8035
Ion Ratio Lower Upper
84 100
86 60.5 43.3 80.3
49 117.5 85.3 158.5



#39
cis-1,3-Dichloropropene
Concen: 0.591 ug/L
RT: 9.89 min Scan# 1324
Delta R.T. -0.04 min
Lab File: VY003652.D
Acq: 03 Dec 2020 18:40

Tgt Ion: 75 Resp: 2954
Ion Ratio Lower Upper
75 100
77 64.8 23.5 43.7#





#40

4-Methyl-2-pentanone

Concen: 0.841 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003652.D

Acq: 03 Dec 2020 18:40

Instrument :

MSVOA_Y

ClientSampleId :

VBLK426

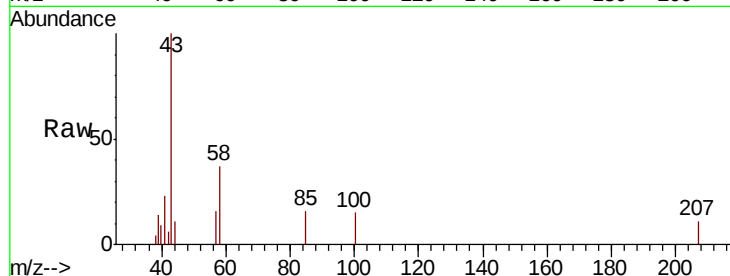
Tot Ion: 43 Resp: 2391

Ion Ratio Lower Upper

43 100

58 36.9 30.7 46.1

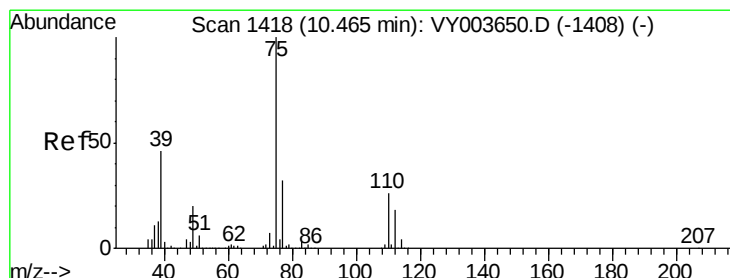
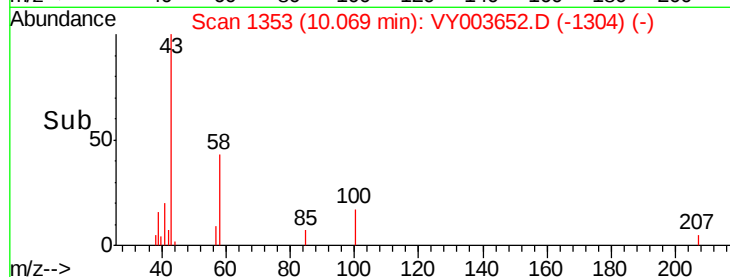
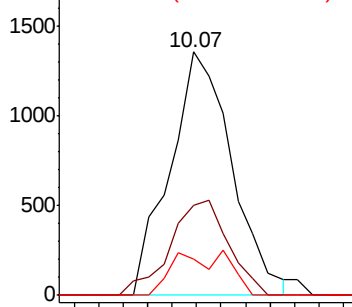
100 5.6 12.1 18.1#



Abundance Ion 43.00 (42.70 to 43.70): VY003650.D (-1346) (-)

Ion 58.00 (57.70 to 58.70): VY003650.D (-1346) (-)

Ion 100.00 (99.70 to 100.70): VY003650.D (-1346) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.429 ug/L

RT: 10.44 min Scan# 1414

Delta R.T. -0.02 min

Lab File: VY003652.D

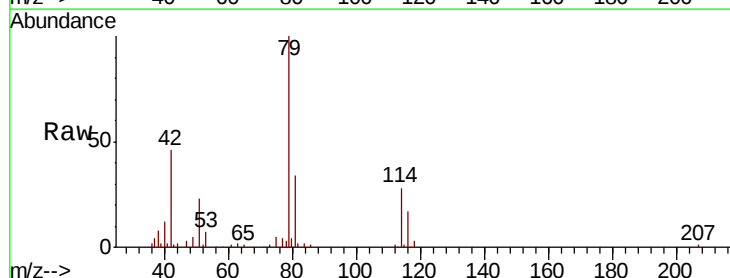
Acq: 03 Dec 2020 18:40

Tgt Ion: 75 Resp: 1979

Ion Ratio Lower Upper

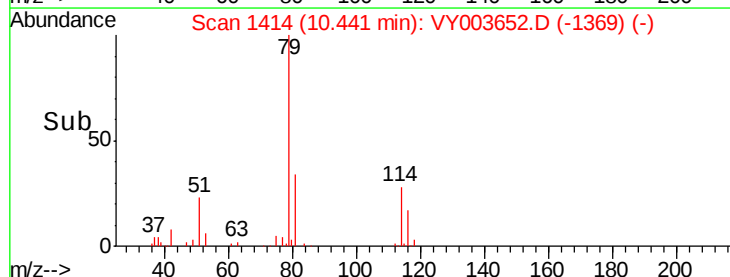
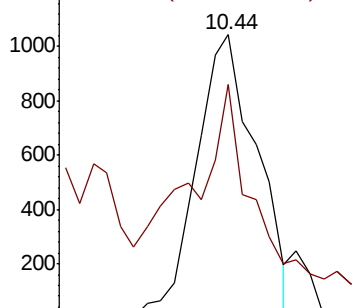
75 100

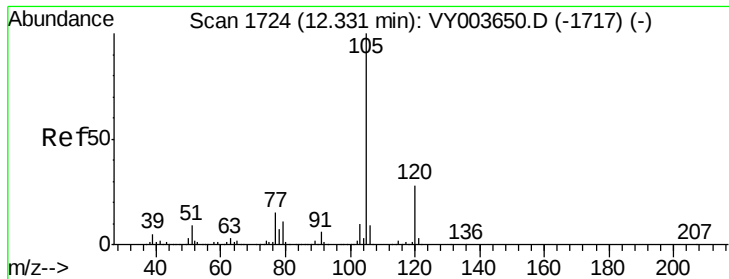
77 82.4 22.9 42.5#



Abundance Ion 75.00 (74.70 to 75.70): VY003650.D (-1408) (-)

Ion 77.00 (76.70 to 77.70): VY003650.D (-1408) (-)





#60

Isopropylbenzene

Concen: 0.093 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003652.D

Acq: 03 Dec 2020 18:40

Instrument :

MSVOA_Y

ClientSampleId :

VBLK426

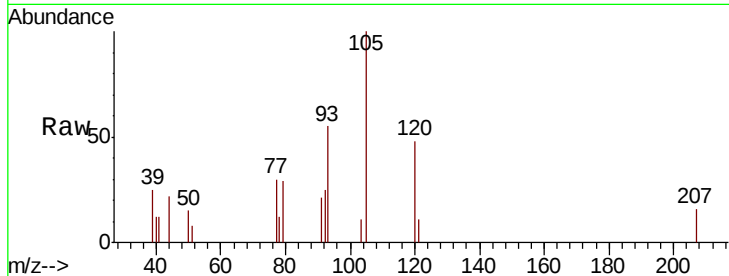
Tot Ion: 105 Resp: 1218

Ion Ratio Lower Upper

105 100

120 32.0 22.0 33.0

77 30.4 12.1 18.1#

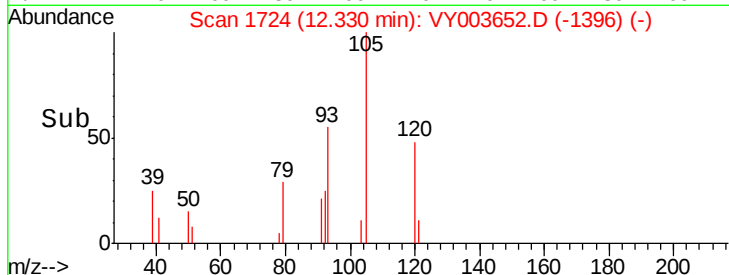


Abundance Ion 105.00 (104.70 to 105.70): VY003652.D (-1717) (-)

Ion 120.00 (119.70 to 120.70): VY003652.D (-1717) (-)

Ion 77.00 (76.70 to 77.70): VY003652.D (-1717) (-)

Time-->



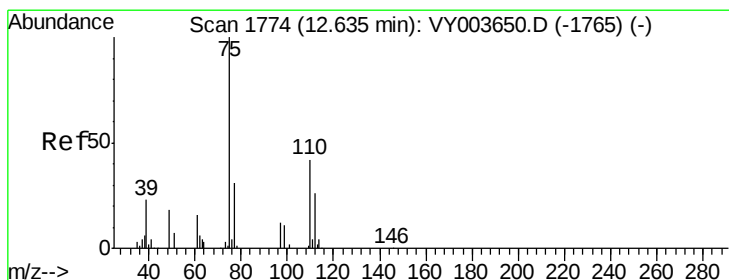
Abundance

Ion 105.00 (104.70 to 105.70): VY003652.D (-1396) (-)

Ion 120.00 (119.70 to 120.70): VY003652.D (-1396) (-)

Ion 77.00 (76.70 to 77.70): VY003652.D (-1396) (-)

Time-->



#61

1,2,3-Trichloropropane

Concen: 0.090 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VY003652.D

Acq: 03 Dec 2020 18:40

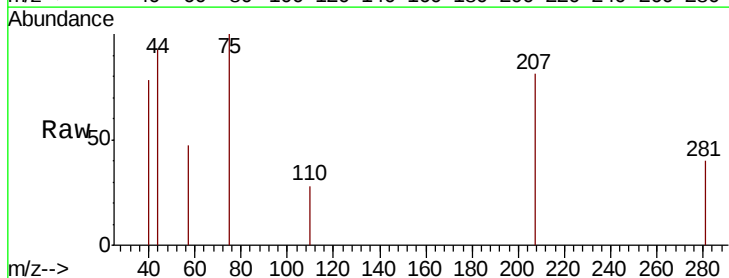
Tgt Ion: 75 Resp: 221

Ion Ratio Lower Upper

75 100

77 10.0 26.3 39.5#

110 0.0 33.0 49.4#

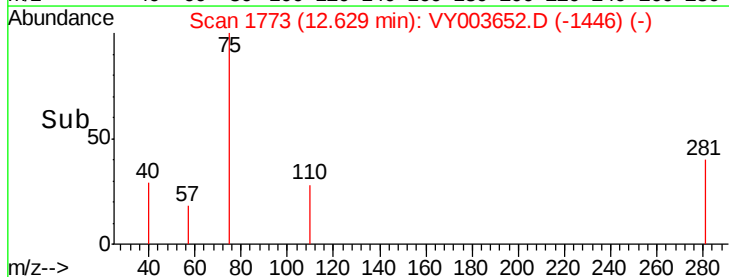


Abundance Ion 75.00 (74.70 to 75.70): VY003652.D (-1765) (-)

Ion 77.00 (76.70 to 77.70): VY003652.D (-1765) (-)

Ion 110.00 (109.70 to 110.70): VY003652.D (-1765) (-)

Time-->



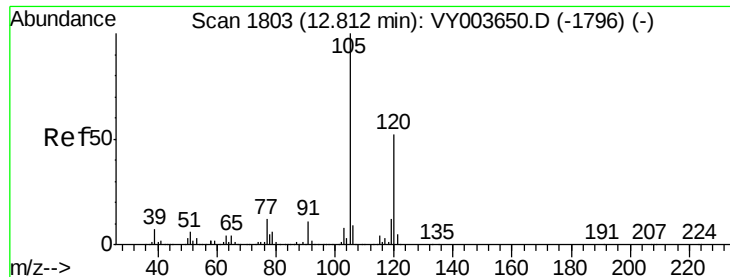
Abundance

Ion 75.00 (74.70 to 75.70): VY003652.D (-1446) (-)

Ion 77.00 (76.70 to 77.70): VY003652.D (-1446) (-)

Ion 110.00 (109.70 to 110.70): VY003652.D (-1446) (-)

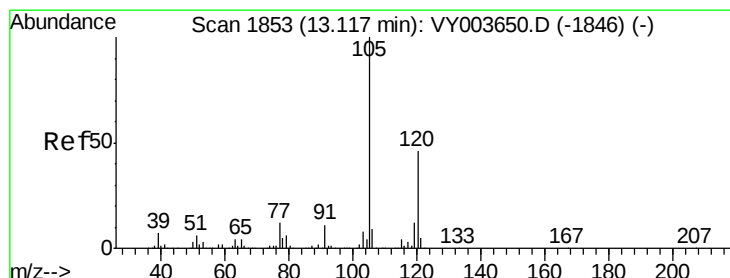
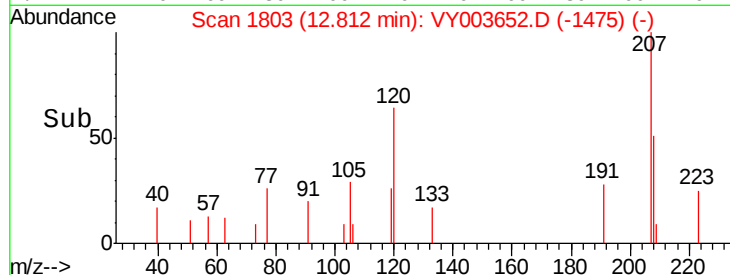
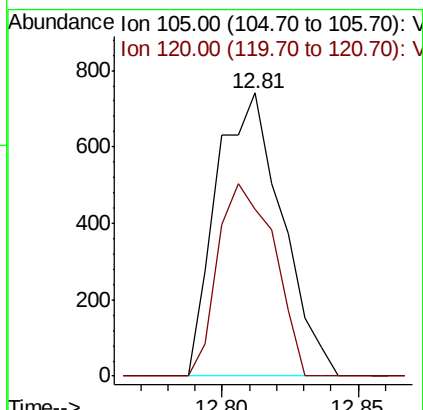
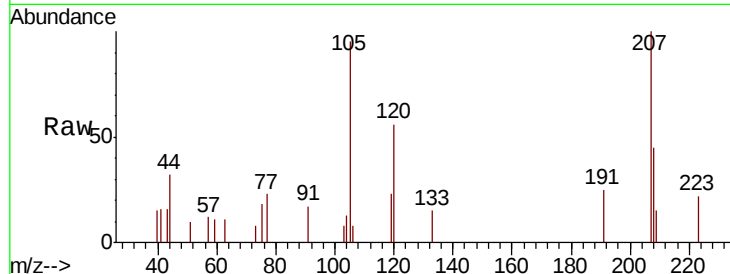
Time-->



#62
 1,3,5-Trimethylbenzene
 Concen: 0.119 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY003652.D
 Acq: 03 Dec 2020 18:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VBLK426

Tot Ion:105 Resp: 1238
 Ion Ratio Lower Upper
 105 100
 120 58.6 40.4 60.6



#63
 1,2,4-Trimethylbenzene
 Concen: 0.138 ug/L
 RT: 13.12 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VY003652.D
 Acq: 03 Dec 2020 18:40

Tgt Ion:105 Resp: 1418
 Ion Ratio Lower Upper
 105 100
 120 42.2 38.0 57.0

